

# SUPPLEMENTAL REMEDIAL INVESTIGATION /HISTORIC REMEDIAL ACTION REPORT ABC Barrel Company Site - 308 to 322 North Front Street Block 62, Lots 38 and 45 City of Camden, Camden County, New Jersey NJDEP SRP PI#006594

**Prepared for:** 

CAMDEN REDEVELOPMENT AGENCY City Hall Suite 1300 P.O Box 95100 Camden, New Jersey 08101-5120

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July 2010

#### CERTIFICATIONS N.J.A.C. 7:26-1.2 et. seq.

Any person making a submission to the Department required by this chapter and pursuant to N.J.A.C. 7:26E, shall include the following signature and notarized certification, for each technical submittal. Additionally, the certification shall indicate the case name and address, case number, type of documents submitted. e.g. Remedial Action Report, for each technical submittal.

#### TYPE OF DOCUMENT Supplemental Remedial Investigation/Historic Remedial Action Report

CASE NAME	ABC Barrel Company Site	
CASE ADDRESS	308-322 North Front Street	
	City of Camden, Camden County, New Jersey	

CASE NUMBER SRP PI#006594

The following certification shall be signed by:

- I. For a corporation by a principal executive officer of at least the level of vice president:
- 2. For a partnership or sole proprietorship, by a general partner of the proprietor, respectively, or:
- 3. For a municipality. State, Federal or other public agency, by either a principal executive officer or ranking elected official.
- 4. For persons other than I through 3 above, by the person with legal responsibility for the site.

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	CANDICE JEFFERSON	<u></u> 55	

Sworn to and subscribed belore me this 1.20 10 day of

CANDICE JEFFERSON Notary Public of New Jersey Commission Expires 7/28/2010

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## TABLE OF CONTENTS

CE	CERTIFICATION		
EX	ECUTI	<b>WE SUMMARY</b>	
SEC	CTION	PAG	Æ
1.0	INT	RODUCTION	1
2.0	BAC	KGROUND	2
	2.1	OBJECTIVE AND SCOPE	
_	2.2	RECENT SITE HISTORY/SITE DESCRIPTION	
_	2.3	HISTORIC SITE USAGE	
4	2.4	PREVIOUS SITE/REMEDIAL INVESTIGATIONS	
	2.4.1 2.4.2		
	2.4.2 2.4.3	- ·	
	2.4.3	0	
	2.4.4	•	
	2.4.5		
2	2.4.0 2.5	AOCS REQUIRING FURTHER REMEDIAL ACTIONS	
		SICAL SETTING	
3.0	РНҮ		
3	3.1	LAND USE	
-	3.2	REGIONAL AND SITE GEOLOGY	
	3.3	REGIONAL AND SITE HYDROGEOLOGY	
	3.4	SURFACE WATER AND WETLANDS	
	3.5	BASELINE ECOLOGICAL EVALUATION	
	3.6	PUBLIC WATER SUPPLY	
	3.7	OPEN PUBLIC RECORDS FILE REVIEW -OCTOBER 2008	
3	3.8	SENSITIVE POPULATION CHECKLIST – SEPTEMBER 2009	. 13
4.0	SITE	E INVESTIGATION/REMEDIAL INVESTIGATION SUMMARY	. 14
2	4.1	OVERVIEW	. 14
2	1.2	AOC-B1: FORMER 8,000-GAL.DIESEL UST SYSTEM	. 15
	4.2.1	Site Investigation Summary	. 15
	4.2.2	• •	
2	1.3	AOC-B2: FORMER 1,000-GAL FUEL OIL UST SYSTEM	
	4.3.1	Site Investigation Summary	. 15
	4.3.2		
2	1.4	AOC-B3: FORMER 1,000-GAL LIQUID WASTE UST	. 16
	4.4.1	~	
	4.4.2	Temedian Investigation Standard y	
2	1.5	AOC-C: FORMER DRUM RINSING/CONCRETE PIT AREAS (BLDS. NOS. 1 AND 2).	
	4.5.1		
	4.5.2		
2	1.6	AOC D & K: FORMER LOADING OFF/LOADING AREAS	
	4.6.1		
	4.6.2		
2	4.7 . <b>-</b> .	AOC E & M: FORMER DRUM STORAGE/YARD AREAS	
	4.7.1	β	
	4.7.2	Remedial Investigation Summary	. 21

### TABLE OF CONTENTS

#### SECTION

4.8	AOC G & I: FORMER FLOOR DRAIN/TRENCH/PIPING	
4.8		
4.8		
4.9	AOC-O: FORMER OIL TANK WITH SEPARATOR AREA	
4.9	.1 Site Investigation Summary	22
4.9		23
4.10	AOC-P: FORMER ELEVATOR PITS	
4.1	0.1 Site Investigation Summary	
4.1	0.2 Remedial Investigation Summary	
4.11	REMEDIAL INVESTIGATION OF GROUNDWATER- 2001	
5.0 DH	SCRIPTION OF HISTORIC REMEDIAL ACTIVITIES – 2005 TO 2006	
5.1	OVERVIEW	
5.2	QUALITY ASSURANCE/QUALITY CONTROL	
5.3	HEALTH & SAFETY PROCEDURES	
5.4	INITIAL REMOVAL ACTIONS – FEB. 2005	
5.4	.1 AOC-B1: Former 8,000-Gal.Diesel UST System	
5.4		
5.4		
5.5	SOIL REMEDIAL ACTIONS - MARCH 2006	
5.5		27
5.5		
5.5		
5.5 5.5		
5.5		
5.5	.4 Contaminated Soil Removal and Disposal	30 31
5.5 6.0 SU	.4 Contaminated Soil Removal and Disposal PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009	
5.5 <b>6.0 SU</b> 6.1	.4 Contaminated Soil Removal and Disposal <b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b> GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007 GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008 .1 Overview	
5.5 6.0 SU 6.1 6.2	.4 Contaminated Soil Removal and Disposal <b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b> GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007 GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008 .1 Overview	
5.5 6.0 SU 6.1 6.2 6.2	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>1</i> Overview</li> <li><i>2</i> Installation of Monitoring Well MW-4</li> <li><i>3</i> Well Reconstructions/Surveying of Existing Wells</li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>1</i> Overview</li> <li><i>2</i> Installation of Monitoring Well MW-4</li> <li><i>3</i> Well Reconstructions/Surveying of Existing Wells</li> <li><i>4</i> Groundwater Monitoring and Sampling</li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2	<ul> <li>.4 Contaminated Soil Removal and Disposal</li> <li></li></ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>1</i> Overview</li> <li><i>2</i> Installation of Monitoring Well MW-4</li> <li><i>3</i> Well Reconstructions/Surveying of Existing Wells</li> <li><i>4</i> Groundwater Monitoring and Sampling</li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>1</i> Overview</li> <li><i>2</i> Installation of Monitoring Well MW-4</li> <li><i>3</i> Well Reconstructions/Surveying of Existing Wells</li> <li><i>4</i> Groundwater Monitoring and Sampling</li> <li><i>5</i> Groundwater Analytical Results</li> <li><b>ESCRIPTION OF SITE RESTORATION ACTIVITIES</b></li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>Overview</i></li> <li><i>Overview</i></li> <li><i>Installation of Monitoring Well MW-4</i></li> <li><i>Well Reconstructions/Surveying of Existing Wells</i></li> <li><i>Groundwater Monitoring and Sampling</i></li> <li><i>Groundwater Analytical Results</i></li> <li><b>ESCRIPTION OF SITE RESTORATION ACTIVITIES</b></li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>Overview</i></li> <li><i>Overview</i></li> <li><i>Installation of Monitoring Well MW-4</i></li> <li><i>Swell Reconstructions/Surveying of Existing Wells</i></li> <li><i>Well Reconstructions/Surveying of Existing Wells</i></li> <li><i>Groundwater Monitoring and Sampling</i></li> <li><i>Groundwater Analytical Results</i>.</li> <li><b>ESCRIPTION OF SITE RESTORATION ACTIVITIES</b></li> <li><b>MEDIAL ACTION COST SUMMARY</b></li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI 9.0 FI 9.1	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li></ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI 9.0 FI 9.1 9.2	<ul> <li><i>A</i> Contaminated Soil Removal and Disposal</li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>Overview</i></li> <li><i>Overview</i></li> <li><i>Installation of Monitoring Well MW-4</i></li> <li><i>Well Reconstructions/Surveying of Existing Wells</i></li> <li><i>Groundwater Monitoring and Sampling</i></li> <li><i>Groundwater Analytical Results</i></li> <li><b>ESCRIPTION OF SITE RESTORATION ACTIVITIES</b></li> <li><b>CMEDIAL ACTION COST SUMMARY</b></li> <li><b>NDINGS/RECOMMENDATIONS</b></li> <li>SOIL- AOC-B1</li> <li>SOIL- AOC-B3, C1-C5, C6, AND O</li> </ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI 9.0 FI 9.1 9.2 9.3	<ul> <li><i>Contaminated Soil Removal and Disposal</i></li></ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI 9.1 9.2 9.3 9.4	<ul> <li><i>Contaminated Soil Removal and Disposal</i></li> <li><b>PPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES –2007 TO 2009</b></li> <li>GROUNDWATER SCREENING INVESTIGATION (AOC-B1) – SEPT. 2007</li> <li>GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008</li> <li><i>Overview</i></li> <li><i>Installation of Monitoring Well MW-4</i></li> <li><i>Well Reconstructions/Surveying of Existing Wells</i></li> <li><i>Groundwater Monitoring and Sampling</i></li> <li><i>Groundwater Analytical Results</i></li> <li><b>ESCRIPTION OF SITE RESTORATION ACTIVITIES</b></li> <li><b>CMEDIAL ACTION COST SUMMARY</b></li> <li><b>NDINGS/RECOMMENDATIONS</b></li> <li>SOIL- AOC-B1.</li> <li>SOIL- AOC-B1</li> <li>SOIL- AOC-B2 AND AOC-G</li></ul>	
5.5 6.0 SU 6.1 6.2 6.2 6.2 6.2 6.2 7.0 DI 8.0 RI 9.0 FI 9.1 9.2 9.3	<ul> <li><i>Contaminated Soil Removal and Disposal</i></li></ul>	

### TABLE OF CONTENTS

### **TABLES**

Table 1	Site Chronology
Table 2	Summary of Areas of Concern
Table 3	Summary of Post-Excavation Sampling Program
Table 4	Summary of Excavation and Disposal Volumes
Table 5	Groundwater Sampling Summary Oct. and Dec. 2

- Table 6Groundwater Analytical Results Oct. 21, 2008
- Table 7Groundwater Analytical Results Dec. 15, 2008

### **FIGURES**

2008

- Figure 1 Regional Site Location Plan
- Figure 2 Aerial Photograph of Site
- Figure 3 Site Plan/Area of Concern Location Map
- Figure 4Public Supply Wells
- Figure 5 Land Use
- Figure 6 Surface Water Bodies and Wetlands
- Figure 7 Record of Historic Remedial Activities (2005 to 2006)
- Figure 8 Location of Screening Sample and MW-4
- Figure 9Groundwater Elevation Contours (October 2008)

#### APPENDICES

APPENDIX A	NJDEP Correspondence
APPENDIX B	USEPA Pollution Report (Nov. 29, 2000)
APPENDIX C	Site Investigation Report (8,000-Gal. Diesel UST Closure)
	(ENVision, Inc., Feb. 10, 2006)
APPENDIX D	SI/RI Sampling Summary and Sampling Location Plan
	(Remington and Vernick, April 1999 and Oct. 2002)
APPENDIX E	Post-Excavation Sampling Locations and Results
	(REPSG, May 2006)
APPENDIX F	Analytical Results/Disposal Manifests –AOC-B1/B2/B3
	(EHS Environmental Inc., March 22, 2006)
APPENDIX G	Disposal Manifests –AOC-E/G/O
	(EHS Environmental Inc., April 10, 2006)
APPENDIX H	Supplemental Remedial Investigation Field Documentation
	(DRESDNER ROBIN, September 2007 to December 2008)
APPENDIX I	Sensitive Population Checklist Documentation
APPENDIX J	Site Photography

EDD's/CD of Lab Packages (Supplemental Remedial Investigation Data)

## **EXECUTIVE SUMMARY**

DRESDNER ROBIN was retained by the Camden Redevelopment Agency (CRA) in September 2008 to conduct a groundwater remedial investigation and prepare a Remedial Investigation/Remedial Action Report (RI/RAR) for the ABC Barrel Company Site (a.k.a. AABCO Steel Drum Site). The Site is located at 308 to 322 North Front Street in the City of Camden, Camden County, New Jersey (**Figure 1**). The Site is being remediated as New Jersey Department of Environmental Protection (NJDEP) SRP PI# 006594.

This RAR documents the historic remedial activities completed for the ABC Barrel Company Site ("the Site") during the period generally from February 2005 through March 2006. It should be emphasized that the historical information as contained herein was based primarily on the available information provided by CRA and their previous consultants, as well as information obtained by DRESDNER ROBIN through an Open Public Records File Review (OPRA) of the Site conducted in October 2008. This RAR also documents the groundwater remedial investigation and related activities completed by DRESDNER ROBIN during the period 2007 through 2009.

The specific objective of the RI/RAR is to satisfy the requirements of NJDEP's Correspondence dated August 24, 2006, which commented on a Remedial Investigation Report (RIR) for the Site, prepared by Remington and Vernick, Inc. (Remington and Vernick), dated October 7, 2002. The work activities that were completed were: 1) historic remedial investigation/remedial action reporting for eleven (11) Areas of Concern (AOCs) previously identified at the Site; 2) completion of a groundwater remedial investigation for AOC-B1, a former 8,000-Gal. Diesel UST and Piping System; and 3) selection of a remedial action to address site-wide "historic fill materials". Ultimately, the goal of the RI/RAR is to assist CRA in obtaining a No Further Action (NFA) for soil for each AOC, a No Further Action for groundwater, and to address site-wide historic fill materials prior to site redevelopment.

In February 2005, CRA initiated site development activities by removing the existing building foundations and slabs for Buildings No. 1, 2 and 3 (**Figure 3**). At that time, the registered 8,000-Gal Diesel UST and Piping designated as AOC-B1 located adjacent to Building No. 2 was excavated and removed by ENVision, Inc. (ENVision), in accordance with the requirement of the UST Regulations and N.J.A.C. 7:26E, the *Technical Requirements for Site Remediation*. The excavated contaminated materials were temporarily stockpiled on-site for later removal by CRA. Details of the regulated UST removal activities for AOC-B1 were reported by ENVision in a February 10, 2006 *Site Investigation Report*. The nature of the material used to backfill the excavation was not reported, however, based upon recent site investigation activities completed by DRESDNER ROBIN, it appears that the backfill was composed of non-petroleum contaminated historic fill materials derived from the site.

Based upon DRESDNER ROBIN's review of the file correspondence by EHS Environmental, Inc. (EHS) dated November 7, 2005, removal and disposal activities had

also been completed for two (2) additional USTs presumably during the February 2005 activities. These USTs were apparently the unregulated 1,000-Gal. Heating Oil UST designated in previous site reports as AOC-B2; and the unregulated 1,000-Gal Liquid Waste Oil UST designated as AOC-B3. More specific information pertaining to the removal and disposal of these AOCs was not available.

Based upon a review of file correspondence from EHS, other AOCs ('hot spots') were also excavated and removed by CRA's contractor presumably during the February 2005 activities. These AOCs apparently included: AOC-C1 through C5- a drum rinsing area inside Building No. 1; AOC-C6- a concrete pit area inside Building No. 2; AOC-O- a floor drain, trench, and piping south and west of Building No. 1; and AOC-G- an oil-water separator adjacent to the south side of Building No. 1. The information reviewed indicated that materials removed during excavations for the building slabs was used to backfill the open excavations. The excavated materials were temporarily stockpiled onsite for later removal by CRA.

In March 2006, following completion of the initial removal of AOC-B1, AOC-B2, AOC-B3, and the other AOCs, additional soil remedial actions were completed by React Environmental Professional Services Group (REPSG) for AOC-O, AOC-C1-C5, AOC-C6, AOC-B1, AOC-B3, and AOC-G. Based upon a review of the available information, these remedial activities consisted of the excavation, post-excavation sampling, and disposal of contaminated materials from the excavations, which were designated by REPSG as AOC-001 through AOC-006 (**Figure 7**). The limits and depths of the excavation areas were initially based on the dimensions of the contaminated areas as reported by Remington & Vernick in their October 2002 RI Report (**Appendix D**). It was reported by EHS that a total of 1300 cy of contaminated soils were removed from the excavations (**Appendix G**).

According to the waste disposal documentation provided, the contaminated soils stockpiled during the initial activities for AOC-B1, B2, and B3 were removed from the Site on March 3, 2006. Contaminated soils excavated and stockpiled on-site during the March 2006 soil remedial actions by REPSG were removed on March 30 and 31, 2006. Based upon waste disposal manifest and other information, the stockpiled soils were disposed of as "Non-Regulated Petroleum Contaminated Soil" at Soil Safe's NJDEP-Permitted "Class B Recycling Center" Facility, located at 378 Route 130, in Bridgeport, Logan County, New Jersey. A review of the waste manifests and subcontractor invoices indicated that a total 1,823.08 tons of contaminated soil was removed from the Site.

The results of the March 2006 post-excavation sampling indicated that chlorinated volatile organic compound tetrachloroethylene (PCE) was present in one sample collected from AOC-G (floor drain/trench/piping area) that exceeded the NJ Soil Cleanup Criteria (SCC). In addition, metals (lead and antimony) were also detected in six of the samples from AOC-G exceeding the SCC. Based upon these sampling results, further delineation sampling and removal of PCE-impacted soil is warranted for AOC-G prior to redevelopment at the Site. Based upon the post-excavation sampling results, the

# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

proposed additional excavation activities for AOC-G are expected to be limited and could be conducted during and in coordination with the site redevelopment.

Review of available information indicated that post-excavation sampling was not conducted for AOC-B2 (Former 1,000-Gal. Fuel Oil UST) following removal in February 2005 or during the March 2006 remedial activities. Therefore, pursuant to NJDEP's requirements as stated in their August 2006 correspondence, further remedial actions are warranted for AOC-B2 to determine if soils beneath the former UST had been impacted. The proposed additional remedial activities for AOC-B2 are expected to be limited and could also be conducted during the site redevelopment phase.

To comply with NJDEP's August 2006 Correspondence, on September 9, 2007, DRESDNER ROBIN conducted a groundwater screening investigation in the vicinity of AOC-B1, the former 8,000-Gal Diesel UST and Piping System (**Figure 3**). The results of the screening sample collected indicated that concentrations of several individual Base Neutral (BN) compounds [polynuclear aromatic hydrocarbons (PAHs)] and total tentatively identified compounds (TICS) including volatile organic (VO) and base neutral (BN) TICS were present exceeding the NJDEP Groundwater Quality Criteria (GWQC).

Based upon the results the groundwater screening, a supplemental groundwater investigation was completed in the vicinity of AOC-B1. The supplemental groundwater investigation included the installation of monitoring well MW-4 adjacent to the screening location; the collection and analysis of one (1) initial groundwater sample from MW-4 on October 21, 2008 and one (1) confirmation sample on December 15, 2008 (using the low-flow purging and sampling method); the reconstruction of existing monitoring wells MW-1 through MW-3; and site-wide groundwater monitoring.

The results of the initial and confirmation groundwater samples collected from monitoring well MW-4 indicated that volatile and semi-volatile organic compounds were not present at concentrations exceeding the GWQC. The details and results of the groundwater remedial investigation for AOC-B1 were reported to NJDEP in a *Groundwater Remedial Investigation Letter Report*, prepared by DRESDNER ROBIN, dated March 4, 2009. Based upon the results of the groundwater investigation, the RI Letter Report recommended a No Further Action for groundwater at the Site.

In a February 1, 2010 correspondence (**Appendix A**), NJDEP approved the March 2009 RI Letter Report. Based upon the February 2010 correspondence and information presented in this RI/RAR, CRA hereby requests that a site-wide No Further Action for groundwater be granted for the ABC Barrel Company Site prior to the finalizing the site redevelopment plans.

In October 2008, in coordination with the supplemental groundwater investigation activities conducted by DRESDNER ROBIN, restoration activities were completed at the site by CRA's contractor. The site restoration activities included removal of all excess construction materials and debris from the ground surface; site grading; and placement of

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# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

a minimum six-inches of topsoil, with seeding and stabilization matting over the entire site (**Appendix J**). The purpose of the temporary cap was to eliminate the potential for erosion of contaminated materials (i.e. historic fill materials) and to eliminate potential exposure of the public by direct contact and/or through airborne particulate contamination prior to further remedial activities and site redevelopment.

In an April 6, 2006 correspondence, NJDEP did not require further remedial actions for the former 8,000-Gal. Diesel UST and Piping System (AOC-B1). Furthermore, the March 2006 follow-up remedial activities conducted by REPSG for AOC-B1 resulted in the removal of an additional 667 cy of soil, and the results of post- excavation samples collected beneath and along the sidewalls of the excavation indicated that concentrations of TPH and VOCs were below the SCC. Therefore, pursuant to N.J.A.C. 7:26E-6.1, remedial actions have been completed for AOC-B1 and a No Further Action for soil at this AOC is proposed at this time.

As reported by REPSG, in March 2006, remedial actions were completed for AOC-B3 (former 1,000-Gal. Liquid Waste UST); AOC-C1 to C5 (former Caustic Wash/Drum Rinsing/Pit Area); AOC-C6 (former Concrete Pit Area inside Building No. 2); and AOC-O (former Oil Water Separator adjacent to Building No. 1). It was reported that a total of 386 cy of additional soil was removed and properly disposed. The results of post excavation samples collected from beneath and along the sidewalls of the excavations indicated that contaminant concentrations were below the SCC. Therefore, pursuant to N.J.A.C. 7:26E-6.1, remedial actions have been completed AOC-B3, CI-C5, C6, and AOC-O and a No Further Action for soil at these AOCs is proposed at this time.

To comply with requirements of NJDEP's August 24, 2005 correspondence, CRA proposes to address site-wide historic fill (including historic fill remaining within the vicinity of the AOCs) by implementing a Deed Notice and placing a cap over the contaminated materials in accordance with NJDEP requirements. A draft Deed Notice will be submitted to NJDEP for review and approval prior to filing with the county.

A Remedial Action Workplan (RAW) will be prepared for the ABC Barrel Company Site pursuant to the requirements of N.J.A.C. 7:26E-6.2. The RAW will detail the remedial approach for redevelopment of the Site. It is anticipated that the remedial approach will include a restricted use remedy for soils and would incorporate the use of Engineering and Institutional Controls that are consistent with the final site redevelopment plans.

In summary, the following remedial activities are warranted for the ABC Barrel Site at this time:

- 1) AOC-G: delineation soil sampling and removal of PCE-impacted soil
- 2) AOC-B2: investigation of possible impacts beneath the 1,000-Gal. Fuel Oil UST
- 3) <u>RAW</u>: preparation of a Remedial Action Workplan for the ABC Barrel Site

# **1.0 INTRODUCTION**

At the request of the Camden Redevelopment Agency (CRA), DRESDNER ROBIN has prepared this Supplemental Remedial Investigation/Historic Remedial Action Report (RI/RAR) for the ABC Barrel Company Site (a.k.a. AABCO Steel Drum Site), located at 308-322 North Front Street in Camden, Camden County, New Jersey. The Site is currently owned by CRA and is designated as Tax Map parcel Block 62, Lots 38 and 45. The location of the ABC Barrel Company Site (the Site) is shown on the Regional Site Location Map in **Figure 1.** A recent aerial photograph of the Site is provided as **Figure 2**.

The site is being investigated pursuant to a *Memorandum of Agreement* with the New Jersey Department of Environmental Protection (NJDEP) under Case #95-9-14-12-6-53. Prior to 2007, the City of Camden has, through several consultants and contractors, completed previous work activities at the Site including: 1) A Preliminary Assessment (PA); 2) A Site Investigation (SI); 3) A Remedial Investigation (RI); 4) Removal of an 8,000-Gallon Diesel Fuel UST and Piping (AOC-B1); and 5) historic remedial actions related to specific Areas of Concern (AOCs) identified during previous investigations of the Site. The locations of the AOCs and their descriptions are presented on the Site Plan in **Figure 3**.

In a correspondence dated August 24, 2006, NJDEP's Case Manager conducted a review of the project files and commented on the *Remedial Investigation Report* (RIR) prepared by Remington and Vernick, dated October 2002. The NJDEP correspondence provided specific comments for each AOC identified at the Site. Although No Further Actions were requested for AOC-A1, A2, F, H, J, L, N, P2, Q, and R, to obtain a No Further Action for soil and groundwater, NJDEP required the following actions: 1) additional remedial investigation/remedial action reporting for AOC-B2, B3, C1 through C5, C6, D1 and D2, E, M, G, O and P1; 2) completion of a groundwater investigation for AOC-B3 (the 8,000-Gal. Diesel UST and Piping System); and 3) selection of a remedy to address site-wide "historic fill materials". The August 2006 NJDEP Comment Letter is provided in **Appendix A**.

DRESDNER ROBIN's scope of work for the project has been conducted in accordance with several proposals submitted to CRA, which were approved by NJDEP and funded through the Hazardous Discharge Sire Remediation Fund (HDSRF). These proposals are as follows:

 <u>Initial Proposal dated September 19, 2006</u>- for a groundwater investigation of AOC-B1 and preparation of a Site Investigation/Remedial Action Report (approved by NJDEP and funded through the HDSRF program in the amount of \$19,047);

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- <u>Proposal dated October 18, 2007</u>- prepared at the request of CRA based upon discussions held at the October 17, 2007 project meeting [this work was not funded and was put on hold pending further discussions with the Coopers Grant Neighborhood Association (CGNA)];.
- <u>Proposal dated February 28, 2008-</u> entitled "Proposal for Groundwater Remedial Investigation/Remedial Action Workplan - ABC Barrel Company Site", prepared at the request of CRA and CGNA to address groundwater contamination related to the former 8,000 gallon diesel fuel UST (AOC-B1), and to support the remedial option of removing historic fill from all proposed residential lots (not funded pending comment and approval by NJDEP); and
- <u>Revised proposal dated July 10, 2008-</u> prepared at the request of CRA to address NJDEP's comments in an E-mail dated June 27, 2008, regarding the February 28, 2008 Proposal for a Remedial Investigation/Remedial Action Workplan (approved by NJDEP and funded through the HDSRF program in the final amount of \$74,023).

A copy of NJDEP's June 8, 2007 Correspondence approving the additional HDSRF funding for the September 2006 Proposal is provided in **Attachment A**. Also provided in **Appendix A** is the August 11, 2008 NJDEP Correspondence approving the revised July 10, 2008 Proposal funded by the Office of Brownfield Reuse.

The format and content of this report was prepared in accordance with the requirements of N.J.A.C. 7:26E-4.8 (Remedial Investigation Report). Section 2 of this report presents the project Background; Section 3 the Physical Setting; Section 4 the Site Investigation/Remedial Investigation Summary; Section 5 a Description of Historic Remedial Action Activities – 2005 to 2006; Section 6 the Supplemental Remedial Investigation Activities 2007 through 2009; Section 7 a Description of Site Restoration Activities; Section 8 the Remedial Action Costs; and Section 9 the Findings and Recommendations.

# 2.0 BACKGROUND

# 2.1 OBJECTIVE AND SCOPE

The objective of the remedial investigation/remedial action reporting and groundwater investigation for AOC-B2 are as follows:

- 1) To satisfy the specific requirements of NJDEP's Remedial Investigation (RI) Comment Letter, dated August 24, 2006;
- 2) To document the historic remedial activities completed for the Site AOCs;

- 3) To address site-wide historic fill materials and associated contamination in the vicinity of several of the AOCs;
- 4) To characterize and delineate groundwater contamination as may be associated with AOC-B1, the former 8,000-Gal Diesel UST and Piping; and
- 5) To assist in obtaining a No Further Action (NFA) for soil impacted by the above AOCs, and for site-wide groundwater.

In support of the above goals, DRESDNER ROBIN has completed the following scope of work:

- An OPRA File Review of the Site;
- A Groundwater Remedial Investigation for AOC-B1;
- Remedial investigation/historic remedial action reporting for AOC-B2, B3, C1 through C5, C6, D1 and D2, E, M, G, O and P1; and
- Evaluation of remedial options to address site-wide "historic fill materials".

# 2.2 RECENT SITE HISTORY/SITE DESCRIPTION

The ABC Barrel Company Site (a.k.a. AABCO Steel Drum Site) is located just south of the Ben Franklin Bridge at 308-322 North Front Street in the City of Camden, Camden County, New Jersey. The Site consists of an approximate 1.0 acre irregular-shaped rectangular parcel located between North  $2^{nd}$  Street and North Front Street just north of Penn Street. The approximate northern half of the Site is designated at Tax Map Block 62 Lot 48 while the southern half of the site is designated as Block 62 Lot 38 (**Figure 2**). The site is currently vacant.

The subject site is bordered on the north by attached houses (row homes) and partially to the south by row homes and newer townhomes (recently constructed on Block 62 Lots 21, 22, and 23). A paved driveway was constructed in 2008 adjacent to the south side of Block 62 Lot 38 (partially within the former Centennial Avenue ROW) for access to the north side of the townhomes. A small portion of the subject property extends to the south between the row homes and townhomes that connects to Penn Street.

Based upon information from previous reports, historic activities at the site occurred on both Lots 38 and 45, where buildings were present in various configurations. The locations of the former buildings at the Site (Buildings No. 1, No. 2, and No. 3) are shown on the site Plan in **Figure 3**. An EPA Fact Sheet for the Site indicated that the building structures on-site were demolished following completion of USEPA removal actions at the Site in July 2000.

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# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

In February 2005 CRA initiated site development activities by removing the existing building foundations and slabs (former Buildings No. 1 and 2). At that time, the registered 8,000-Gal Diesel UST and Piping designated as AOC-B1 was excavated and removed by EHS, apparently along with two (2) 1,000-Gal. Heating Oil USTs (AOC-B2 and AOC-B3). Available site information indicated that three AOCs (presumably AOC-C, AOC-G, and AOC-O) were also removed. Based upon information in a correspondence prepared by EHS, materials removed during excavation for the building slabs apparently were used to backfill in the open excavations.

In October 2007, the remaining construction debris was removed from the Site and the land surface graded. A 6-inch thick layer of topsoil and seeding was placed over the entire site as temporary cover prior to the site redevelopment. CRA's and CGNA's are currently evaluating development options for the Site which is expected to include private residences and a public park area.

# 2.3 HISTORIC SITE USAGE

According to information provided in the PA and the RI Report for the ABC Barrel Company Site (AABCO Steel Drum, Inc.), since 1885, the Site has been used for industrial and manufacturing purposes. Since about the 1960's, the AABCO Steel Drum facility operated at the site. Prior to November 1987, the AABCO Steel Drum facility operations consisted of the reconditioning of steel drums by cleaning and painting openended drums, which was reportedly performed indoors. In 1987, the AABCO changed its name to Container Recyclers after which time the site was reportedly used to store clean drums.

During the drum cleaning operations, the facility reportedly only accepted drums that could be cleaned using a caustic soda process. Hazardous wastes were generated at the facility included residual oil and rinse water from the drum washing process. Residual oil was initially collected in waste drums and later in a waste oil tank. It was reported that the waste oil was removed from the facility within 90 days by a licensed hazardous waste hauler. Wastes consisting of paint and solvent were also likely to have been generated during the drum painting process but documentation was not available to confirm this waste stream.

The caustic soda rinse was reportedly pretreated than passed through an oil-water separator where sludge and oils were separated out. The remaining fluids were discharged to the sanitary sewer via a CCMUA discharge permit, although it was reported that the effluent consistently failed to meet the permit requirements.

## 2.4 PREVIOUS SITE/REMEDIAL INVESTIGATIONS

# 2.4.1 Overview

Between 1996 and 2006, various investigations were conducted on behalf of the CRA for the ABC Barrel Company (Case #95-09-14-1206-53). The investigations included a

Preliminary Assessment/Site Investigation (PA/SI), a Site Investigation (SI), a Remedial Investigation (RI) and a Site Investigation for Removal of an 8,000-Gal. Diesel UST and Piping. The results of these investigations were reported in the following documents:

- 1. <u>Preliminary Assessment Report</u> for the City of Camden, AABCO Steel Drum Incorporated, Block 62 Lots 38 and 45; Block 65 Lot 103, Camden City, Camden County, Remington & Vernick Engineers, December 1996;
- 2. <u>Site Investigation Report</u> for the City of Camden, AABCO Steel Drum Incorporated, Block 62 Lots 38 and 42; Block 65 Lot 103, Camden City, Camden County, Remington & Vernick Engineers, April 1999;
- **3.** <u>Remedial Investigation Report</u> AABCO Steel Drum, Inc., 308 to 322 North Front Street and 320 North 2<sup>nd</sup> Street, City of Camden Block 62 Lots 38 & 45; Block 65 Lot 103; Remington & Vernick Engineers, October 2002; and
- 4. <u>Site Investigation Report</u> (for 8,000-Gal. Diesel UST and Piping)- Cooper Grant Developers, LLC, 308-322 N. Front Street, Camden City, Camden County, New Jersey, ENVision, Inc., February 2006

In addition to the above, during July 2000, the US Environmental Protection Agency (EPA) conducted remedial activities at the "Container Recyclers Site" located at 308-322 North Front Street (ABBCO Steel Drum, Inc. Site). According to USEPA documentation, the remedial actions were considered a "CERCLA Removal Action" through the EPA Brownfields Program.

A summary of the work activities and the results of the investigations as described above documents are presented in the following sections.

# 2.4.2 Preliminary Assessment

In 1996, on behalf of the City of Camden, Remington and Vernick Engineers (Remington & Vernick) conducted a preliminary assessment for the AABCO Steel Drum Inc. property. The PA was conducted in accordance with N.J.A.C. 7:26E-3.1 through 3.2 of the *Technical Requirements for Site Remediation* and the guidelines contained in *ASTM Standards on Environmental Site Assessments for Commercial Real Estate*. The information presented in the PA was obtained by contacting the applicable state, county/city, and federal government agencies; by using private information services; by review of historic aerial photography, titles and deeds, directories, and Sanborn maps; and by conducting site inspections and owner interviews.

Based upon assessment of the information obtained from the above sources, Remington and Vernick identified nineteen (19) areas of concern within the facility (AOC-A through AOC-S plus historic fill materials) which had reports of confirmed or suspected contamination or which may have discharged contamination at the Site. In the PA report, sampling activities were proposed for fifteen (15) of the AOCs and a groundwater

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investigation was recommended if evidence of contamination was identified during the proposed sampling. **Figure 3** of this report lists and described the AOCs and shows their locations at the facility based upon the information provided in the PA report.

## 2.4.3 Site Investigation

In 1999, Remington and Vernick Engineers (Remington & Vernick), on behalf of the City of Camden, conducted a site investigation for the AABCO Steel Drum Inc. property. The SI was conducted in accordance with N.J.A.C. 7:26E-3.3 through 3.12 of the *Technical Requirements for Site Remediation*. The scope of work of the SI was based upon the recommendations provided in the PA Report as described above.

The results of the Site Investigation performed by Remington & Vernick for each AOC are summarized in Section 4 of this report.

# 2.4.4 USEPA Removal of Drummed Waste/Excavated Soil

As described in the Remington and Vernick RIR, during July 2000, the USEPA conducted remedial activities at the ABBCO Steel Drum, Inc. Site under a CERCLA Removal Action through EPA's Brownfields Program. A copy of the USEPA documentation detailing the removal activities at the Site is provided in **Appendix B**.

A review of the USEPA Report indicated that the scope of work of the remedial activities conducted at the Site included:

- Excavation and Off-site Disposal of lead contaminated soil
- Removal and off-site disposal of stored drums and containers
- The removal and disposal of the contents of onsite USTs

The USEAP Report indicated that on July 18, 2000, EPA personnel conducted an XRF screening event followed by the collection of eight (8) post excavation floor and wall soil samples in the courtyard/parking lot area of the Site. The results of the sampling confirmed the presence of lead at concentrations up to 7,900 parts per million (ppm) in the soils. Consequently, upon authorization of CERCLA funding, soil remedial actions were initiated by EPA on June 29, 2000.

The reported soil remedial actions consisted of the excavation of 750 tons of surface soil from the courtyard between Buildings No. 1 and 2. The soils were excavated from the interval 0 to 2 feet below grade and contained greater than 400 ppm of lead. The excavated soil was classified for disposal as "non-hazardous lead-contaminated soil".

In addition, it was reported that all stored drums and their contents were removed and disposed off-site. During these actions, the following volumes of materials were removed: 1) twenty (20) cubic yards of non-hazardous empty drums; 2) sixty (60) gallons of drummed hazardous waste; and 3) seventy (75) gallons of drummed non-hazardous waste. Available documentation for the Site indicated that during the USEPA response

actions, free product was removed from two of the three USTs found at the Site. The free product was disposed off-site.

Following completion of the removal actions on September 22, 2000, the USEPA report indicated that the on-site buildings were demolished by the City of Camden in preparation of future site development. The EPA report indicated that the removal actions were completed and that no further removal actions were anticipated for the Site.

# 2.4.5 Remedial Investigation

During the period from June through August 2001, Remington and Vernick conducted a remedial investigation at the ABC Barrel Site under an HDSRF Grant to delineate the soil contamination identified during the SI. During the RI, the following AOCs were investigated:

- AOC-B1: 8,000-Gal. Diesel UST
- AOC-B3: 1,000-Gallon Waste Oil UST
- AOC-C1-C5: Building No. 1 Concrete Pit/Drum Rinsing Area
- AOC-C6: Building No. 2 Concrete Pit
- AOC-D1: Loading Area No.1 (northeast side Bldg. No. 1)
- AOC-D2: Loading Area No. 2 (southwest side Bldg. No. 1)
- AOC-E&J: Drum Storage Area/Yard Area
- AOC-G: Floor Drain/Piping/Trench Area (Bldg. No. 1)
- AOC-P1: Elevator Shaft (southwest west side Bldg. No. 1)
- AOC-O: Oil Water Separator

In addition to the above AOCs, four (4) borings were conducted, one near each corner of the Site, to further investigate the nature and extent of "historic fill materials" that were identified at several locations at the Site. A groundwater investigation was also conducted during the RI to characterize potential contamination in the vicinity of AOC-E & J and AOC-O.

The RI was conducted pursuant to NJDEP's SI Comment Letter, dated July 27, 1999, and in accordance with the scope of work detailed in the "Remedial Investigation Work Plan" prepared by Remington and Vernick, dated March 22, 2001. The RAWP was approved by NJDEP in a correspondence dated May 11, 2001. The results of the RI were presented by Remington and Vernick in a 2002 RI Report.

In a November 19, 2002, correspondence, the NJDEP commented on the RI Report and requested that Remington and Vernick conduct additional work including removal of product from the USTs (AOC-B1/B2/B3); collection of additional samples (AOC-A) to vertically delineate TPHC contamination; collection of additional samples from beneath the tanks if they contain free product; and collection of a groundwater sample. In addition, NJDEP requested a sampling results table for all AOCs and post-excavation sampling results provided by USEPA after their removal action.

A summary of the remedial investigation results for each of the above AOCs is presented in Section 4.

## 2.4.6 8,000 Gal. Diesel UST Removal (Feb. 2005)

In February 2005, EHS Environmental, Inc. (EHS) on behalf of Cooper Grant Developers, LLC, conducted oversight of removal of 1-8,000-Gal. registered Diesel UST (AOC-B1) at the Site. During the removal activities, ENVision, Inc. (ENVision) evaluated subsurface conditions and collected post-excavation sampling in support of the UST removal (NJDEP Subsurface Evaluator Certification #US00328). The work activities were conducted under NJDEP UST Closure Permit TMS#C04-3544. The results of the UST removal and associated site investigation were reported by EHS in the February 2006 *Site Investigation Report* as discussed above.

Based upon information provided in the SI Report, the UST removal/investigation activities for AOC-B1 were conducted on February 2, 3 and 4, 2005. Terra Environmental Contractors (NJDEP Cert. # US00704) performed the decommissioning of the UST and EHS conducted the environmental oversight and sampling activities. During the UST removal, no holes were observed in the tank and it was reported that approximately 150 gallons of fluids were pumped from the tank and properly disposed off-site. Documentation pertaining to the UST removal and waste disposal was provided in the February 2006 SI Report.

After removing the UST from the excavation, physical inspection and headspace testing of soil samples with a photoionization detection meter (PID) revealed odors and elevated levels of volatile vapors in the soils surrounding the tank [headspace readings from 21.8 to 159 parts per million (ppm)]. Based upon this evidence and the condition of the tank when it was removed, it was concluded that the contamination was most likely the result of the accumulation of impacts from overfills and spills during fuel transfers.

A total of five (5) post-excavation soil samples and one duplicate sample were collected from the bottom of the UST excavation (using an excavator bucket) and submitted to EMSL Laboratories for analysis of total petroleum hydrocarbons (TPHC) by Method 418.1 and VOC+10 (preserved in accordance with Method 5035). The results the post-excavation soil sample analysis indicated that no targeted compounds were present in excess of the NJDEP Soil Cleanup Criteria at the time of the sampling.

Soils excavated during the closure activities were stockpiled on-site for later removal by the owner (Section 5.5.4). Documentation was not provided in the SI Report pertaining to the fill material used to backfill the UST excavation. The NJDEP UST Closure Plan Approval, the UST/Soil Sample Location Plan, and the Soil Sample Analytical Data Summary as provided in the SI Report are presented in **Appendix C**.

In a April 6, 2006 Correspondence, NJDEP stated that additional soil remedial actions for AOC-B1 were not required. However, NJDEP requested that the electronic data disk for the post-excavation samples be submitted as well as information pertaining to the

# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

removal of the stockpiles soils. With regards to groundwater, NJDEP requested that information be submitted to determine if groundwater was encountered or if groundwater was impacted by the former UST activities. NJDEP's comment letter and available related documentation is provided in **Appendix A**.

# 2.5 AOCs REQUIRING FURTHER REMEDIAL ACTIONS

In the Preliminary Assessment (PA) for the AABCO Steel Drum Incorporated Site (ABC Barrel Company Site), twenty (20) AOC's were identified. These AOCs were investigated during site/remedial investigations and remedial actions conducted by Remington & Vernick Engineers and others as discussed above.

Based upon review of NJDEP's August 24, 2006 comment letter (**Appendix A**), NJDEP did not require further remedial actions for the following AOCs:

- AOC-A1 Above Ground Waste Oil Tank
- AOC-A2 Above Ground Treatment Tank
- AOC-F Chemical Storage Cabinets/Closets
- AOC-H Roof Headers
- AOC-I Underground Piping
- AOC-J Spill Area
- AOC-L Boiler Room
- AOC-N Paint Booth
- AOC-P2 Elevator Pit
- AOC-Q Lead Based Paint
- AOC-R Asbestos Containing Material

However, to obtain a NFA letter for the Site, the NJDEP required further remedial activities for the following AOC's:

- AOC-B1 8,000-Gallon Diesel UST and Associated Piping
- AOC-B2 1,000-Gallon Fuel Oil UST and Associated Piping
- AOC-B3 1,000-Gallon Liquid Waste UST
- AOC-C1/C6 Caustic Wash/Drum Rinse/Concrete Pit Areas
- AOC D/K Loading/Off-loading Areas
- AOC E/M Drum Storage Yard Areas
- AOC-G Floor Drain/Trench/Piping
- AOC-I Underground Piping
- AOC-O Oil Water Separator
- AOC-P1 Elevator Pit (Southwest Corner Bldg. No. 1)

Based upon NJDEP's August 24, 2006 correspondence, the required remedial activities included: 1) a groundwater investigation for AOC-B1; and 2) additional remedial investigation/remedial action reporting for the above AOCs. In addition, if excavation and disposal is not selected as the remedial strategy for site development, Institutional

# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

and Engineering Controls would be required to address "historic fill materials" found beneath the entire Site. **Table 2** presents a detailed description all of AOC's at the Site including: contaminants of concern, contaminant delineations and active remediation completed, NJDEP's requirements, and the historic remedial actions detailed in this report by DRESDNER ROBIN.

# 3.0 PHYSICAL SETTING

## 3.1 LAND USE

Based upon NJDEP's Geographic Information System (GIS) database updated in 2002, the subject Site is classified as 'Miscellaneous Built Land', as shown on **Figure 5** - Generalized Land Use Map. Land use north of the Site along Linden Street and west/southwest of the Site along Front Street and Penn Street is classified as residential usage. Outward from these residential areas land use is classified as commercial or recreational. Land use adjacent to the southeast corner of the site is classified as commercial usage, however, subsequent to 2002, new row houses and a paved driveway have been constructed adjacent to this area of the Site.

# 3.2 REGIONAL AND SITE GEOLOGY

The subject Site is located in the inner part of the Coastal Plain Physiographic Province in southern New Jersey. The Site is located on a former floodplain approximately 1500 feet east of the Delaware River. According to the USGS 7.5-Minute Topographic Maps of the study area [Camden, NJ-PA Revised 1994, and Philadelphia, PA-NJ Photorevised 1995], ground surface in the vicinity of the Site is flat with ground surface elevations of less than twenty (20) feet above Mean Sea Level (MSL).

Based upon the US Geological Survey *Bedrock Geology Map of Central and Southern*, *New Jersey*, the subject site is underlain by the unconsolidated Lower Cretaceous Age Potomac Formation (Map Unit Kp3). The Potomac Formation in this area is composed of predominantly mottled red, white, and orange-brown clay to clay-silt, interbedded with thin beds and lenses fine to medium grained micaceous sand.

According to the New Jersey Geologic Survey's *Periglacial Feautures of Southern New Jersey*, published October, 2003, surficial deposits underlying the study area consist of Pleistocene Age marine-estuarine terrace deposits (Cape May Formation). These deposits are ringed by recent estuarine/marsh deposit associated with the Delaware River and adjoining estuary channels. The Cape May Formation is composed of quartz sand and pebble gravel and is less than 40 feet thick.

Natural and man-made fill materials are widespread in the project area. These materials include 'historic fill' which was placed over natural deposits during historic development of the area. The result of historic fill investigations conducted at the Site indicated that

historic materials and associated contamination were present down to a depth of approximately 12 feet below ground surface (bgs) across most of the Site.

Subsurface materials encountered during the supplemental groundwater remedial investigation conducted by DRESDNER ROBIN in the vicinity of the former 10,000-Gal. Diesel UST (AOC-B1) were described in soil boring logs as follows:

- 1) <u>0 to 6 feet</u>- orange to red brown medium to fine sand and silt with little to some pieces of brick, concrete and miscellaneous debris, and gravel;
- 2) <u>4 to 17 feet</u>- dark gray medium to fine and coarse to fine sand, with little to some silt and gravel, and a trace of miscellaneous debris.

The miscellaneous debris observed down to approximately 17 feet in depth during the supplemental remedial investigation activities appears to indicate that the historic site activities impacted the natural materials below the historic fill layer. During the collection of groundwater screening sample GW-1 associated with AOC-B1, natural materials were encountered at 17 feet that consisted of yellow-brown medium to fine sand with little silt and trace of quartz gravel.

# 3.3 REGIONAL AND SITE HYDROGEOLOGY

Based upon the regional hydrogeologic setting and evaluation of Site data, a shallow unconsolidated aquifer is present underlying the study area. The Delaware River is a major discharge zone in the study area. Based upon the Site location, groundwater at the Site is expected to generally flow to the west towards the Delaware River. This is confirmed by historic and more recent groundwater contour maps prepared for the Site which shows groundwater flow varying from northwesterly to southwesterly at the Site.

Due to the distance of the Site to the Delaware River, groundwater levels are not expected to be significantly influenced by tidal flow in the Delaware River channel. It should be noted, however, that local groundwater flow conditions may vary from the regional flow due to hydraulic control from features such as buried utility trenches, old channels, or from local/regional groundwater pumping or recharge.

During the supplemental investigations, depth to groundwater in the Site monitoring wells varied from approximately 9 feet to 12 feet below ground surface. Groundwater quality in the study area is expected to be generally poor due to widespread impacts from historic fill materials as well as from more localized point sources of contamination.

# 3.4 SURFACE WATER AND WETLANDS

As discussed above, the nearest body of surface water is the Delaware River located approximately 1500 feet west of the Site. A search of the NJDEP GIS database for surface water bodies and wetlands indicates that two small isolated wetland areas are located within the county park located adjacent to the Delaware River. No other surface

water bodies or wetland areas are located in the vicinity of Site. Figure 6 presents the NJDEP data set for surface water bodies and wetlands in the vicinity of the Site.

# 3.5 BASELINE ECOLOGICAL EVALUATION

In the RI Report prepared by Remington and Vernick, it was reported that environmentally sensitive areas were not identified within the Site boundaries or on any properties immediately adjacent to the Site. Furthermore, it was reported that although site contamination exists, there were no potential contaminant pathways at the Site at the time of the investigation. Based upon the reported historical data and assessment of the current Site conditions by DRESDNER ROBIN, further ecological investigations are not warranted for the Site.

# 3.6 PUBLIC WATER SUPPLY

A NJDEP well search was conducted by Remington and Vernick on June 18, 2001, to identify domestic wells within a <sup>1</sup>/<sub>2</sub>-half mile radius from the Site, and irrigation and public wells within a 1-mile radius of the Site. As documented in the RIR, five (5) non-potable domestic wells and six (6) public wells were identified.

In 2009, DRESDNER ROBIN conducted a NJDEP GIS database search for Public Supply Wells to determine if any supply wells are located within approximately 2000 feet of the Site boundary. As shown in **Figure 4**, no public supply wells were identified. Public water in the City of Camden is supplied by United Water Company.

## 3.7 OPEN PUBLIC RECORDS FILE REVIEW -OCTOBER 2008

At the request of CRA, on October 7, 2008, DRESDNER ROBIN conducted an Open Public Records File Review (OPRA) at NJDEP's Trenton offices for the ABC Barrel Company Site. The purpose of the file review was to obtain specific historic information for the Site that could help in preparing the Historical Remedial Action Report. During the file search the following project documentation was reviewed:

## USEPA - United States Environmental Protection Agency

• Pollution Report 04/14/2000 w/Tracking/manifests

# EDA-Economic Development Authority

- Hazardous Discharge Site Remediation Fund
- o Correspondence Dec. 1995; Oct. 1996; Nov. 2001; Nov. 2007

## NJDEP – Correspondence

- Hazardous Discharge Site Remediation Fund
- Notice of Deficiency (March 22, 2005)

## Remington & Vernick Engineers

Correspondence Sept. 1995; Nov., 1996; Nov. 1997; August 1999; June 1999; Oct. 2001;

## CRA – Camden Redevelopment Agency

- Hazardous Discharge Site Remediation Fund
- Service Agreement

#### NJ Underground Storage Tank Program Registration o Invoices - April 1992 -1993

o mvoices - April 1992 - 1993

Miscellaneous Fax Communications o 1999; 2007; and 2008

A large amount of the documentation reviewed was dated older than 2000 or had already been obtained through CRA and thus was of limited use.

# 3.8 SENSITIVE POPULATION CHECKLIST – SEPTEMBER 2009

In 2009, DRESDNER ROBIN prepared a Sensitive Population and Resource Checklist for the ABC Barrel Company Site, located at 308-322 North Front Street, in the City of Camden, Camden County, New Jersey. The sensitive receptor evaluation was conducted in accordance with NJDEP's *Guidance for Public Notification*. Sensitive populations were identified within 200 feet of the Site boundary by reviewing databases and interactive maps provided on the NJDEP website. A copy of the completed checklist and supporting information is included in **Appendix I**. The results of the Sensitive Population Checklist are summarized below:

• <u>Residences</u>

Based upon a review of tax record information from public web pages, tax maps, aerial photography and information from the City of Camden Tax Assessor the following residences were identified within 200 feet of the Site boundary and are listed below:

- o 101-125 Linden Street
- o 410-412 North 2<sup>nd</sup> Street
- $\circ$  310, 328 and 330 North 2<sup>nd</sup> Street
- o 310-338 Point Street
- Block 69, Lot 1 identified as 215 North 3<sup>rd</sup> Street (utilized as a dormitory by Rutgers University)
- 100-122 Linden Street
- $\circ$  317 and 319 North 2<sup>nd</sup> Street
- o 101-119 Penn Street

## • Adjacent Businesses, Public and Private Schools, and Child Care Facilities

The Site is listed on the New Jersey Environmental Management System (NJEMS) database under the name AABCO Steel Drum at 308-322 Front Street and it is also listed on the known contaminated site list under the names ABC Barrel Company at 314-322 North Front Street and North Front Street Associates at 308-322 North Front Street.

No child care facilities, public or private schools were identified as a Known Contaminated Site or NJEMs Site within 200 feet of the Site boundary using i-MapNJ or on the NJ Department of Education licensed child care facilities list.

## • Public Parks and Playgrounds

A playing field is identified within a 200 foot radius of the Site boundary using i-MapNJ, or aerial photography and the NJDEP GIS database.

## • Environmental Justice Petition Neighborhoods

The Site and properties located within 200 feet of the Site boundary are located in a municipality where an Environmental Justice Petition has been selected by the New Jersey Environmental Justice Task Force to advance to action plan development. The petition is for various concerns regarding environmental remediation and public health. A list of environmental Justice Petition neighborhoods by the NJ Environmental Justice Task Force and the USEPA Environmental Justice program is attached in **Appendix I**.

## • Language Other Than English Predominantly Spoken

Based on 2000 Census data, approximately 42.2-46.0% of the population at the Site and within 200 feet of the Site boundary speak a language other than English. Based on the 2005-2007 3-year estimate, approximately 35.5% of the population in the City of Camden (5 years and older) speaks a language other than English.

No Public Community Supply Wells, surface water bodies, community and noncommunity well head protection areas are identified within 200 feet of the Site boundary using i-MapNJ.

# 4.0 SITE INVESTIGATION/REMEDIAL INVESTIGATION SUMMARY

## 4.1 OVERVIEW

This section summarizes the results of the site investigation/remedial investigation performed at the ABC Barrel Site for each AOC requiring further remedial actions in accordance with NJDEP's August 24, 2006 comment letter. The information was obtained from a review of Remington and Vernick's Site Investigation and Remedial Investigation Reports. For reference, Remington and Vernick's SI/RI Sampling Summaries, Analytical Results Tables, and Soil Sample Location Plan are presented in **Appendix D**.

## 4.2 AOC-B1: FORMER 8,000-GAL.DIESEL UST SYSTEM

## 4.2.1 Site Investigation Summary

During the site investigation conducted by Remington and Vernick Engineers (Section 2.4.3); an 8,000-Gal. Diesel UST system was identified adjacent to the north side of Building #2 as shown in **Figure 3**. Five (5) one-inch diameter lines were identified along the northwest side of the UST, which were connected to an oil-water separator.

Remington and Vernick Engineers conducted soil sampling in the area of the UST and piping. Total Petroleum Hydrocarbons (TPHC) and D-N-Propylamine were detected in soil samples E2 and E7 (below piping) exceeding the NJDEP Soil Cleanup Criteria (SCC) (**Appendix D**). The SI Report recommended that horizontal and vertical delineation of the contamination detected be conducted to comply with the requirements of N.J.A.C. 7:26E, the *Technical Requirements of Site Remediation*.

## 4.2.2 Remedial Investigation Summary

On June 21, 2001, under the supervision of Remington and Vernick Engineers, four (4) soil samples were collected using split spoons to vertically delineate contamination detected in sample E2. Soil samples (E2-R8, E2-R10, and E2-R12) were collected from depths of 8 to 12 feet to delineate the contamination detected in SI sample E2. The samples were analyzed for TPHC and Volatile Organic Compounds (VOCs). The results of the delineation sampling indicated that contamination was detected from the surface down to a depth of 10 feet. Physical evidence of contamination including historic fill and vapors were also detected.

On August 24, 2001, soil borings were conducted radially outward 5 to 15 feet from soil sample E-2 to horizontally delineate the TPHC and VOC contamination (**Appendix D** - Soil Sample Location Plan). Soil Sample E2R1 was collected at a depth of 8.5 to 10 feet. No compounds were detected exceeding the NJDEP SCC. Soil sampling was not conducted in the vicinity of S-7 beneath the piping due to access issues associated with the nearly building foundation.

In summary, the horizontal and vertical delineation of soil contamination beneath the piping was completed. The area of the impacted soils was estimated at approximately 537 square feet by 10 feet deep. The RI Report recommended that soil contamination associated with sample S-7 be completed following removal of the UST system.

## 4.3 AOC-B2: FORMER 1,000-GAL FUEL OIL UST SYSTEM

## 4.3.1 Site Investigation Summary

During the site investigation, a 1,000-Gal. Heating Oil UST was identified adjacent to AOC-B1 that was reported to contain approximately 6-inches of fuel oil (**Appendix D** - Sample Location Plan). Four (4) soil samples were collected from around the tank (E5

# ABC BARREL COMPANY – SUPPLEMENTAL REMEDIAL INVESTIGATION/ HISTORIC REMEDIAL ACTION REPORT

and H1 to H3) at a depth of 7 to 8 feet (6-inches above the water table). Sample E5 was collected between AOC-B1 and AOC-B2. Sample E5 was analyzed for VOCs and TPHC (because it was located adjacent to AOC-B1) and samples H1 to H3 were analyzed for TPHC. Sample E5 located near the west side of the UST exhibited evidence of contamination consisting of petroleum staining and odor.

The results of the soil sampling indicated that contamination was not present exceeding the NJ Soil Remediation Standards. In the SI Report, Remington and Vernick recommended No Further Action for AOC-B2.

## 4.3.2 Remedial Investigation Summary

Based upon the recommendations contained in the SI Report, no further sampling was conducted for AOC-B2 during the RI. However, in their November 19, 2002 Correspondence, NJDEP required that once the product was removed from the tank, a soil sample should be collected beneath the tank.

## 4.4 AOC-B3: FORMER 1,000-GAL LIQUID WASTE UST

## 4.4.1 Site Investigation Summary

During the SI, a deteriorated 1,000-Gallon UST was reportedly identified adjacent and parallel to Building #1 that contained liquid waste from the historic drum rinse/wash operations. The UST was believed to contain liquid waste from the drum rise/wash operations that occurred inside the building. Four (4) soil samples were collected from around the tank (F1 through F4) at a depth of 8 feet and analyzed for Priority Pollutants (PP+40) TPHC, pH, and total sodium. Evidence of volatile organic vapors was detected with the PID during the sampling. Monitoring well MW-1 was installed and sampled for PP+40 in the vicinity of AOC-B3.

The results of the soil sample analysis indicated that Lead and TPHC (Sample F2), and cadmium, VOC's and BN's (Sample F4) were present at concentrations exceeding the NJDEP Soil Remediation Standards. Semi-volatile and volatile organic compounds were detected in the groundwater sample exceeding the NJDEP Class II-A Groundwater Remediation Standards. In the SI Report, Remington and Vernick recommended that the contamination be horizontally and vertically delineated and remediated to the applicable NJDEP Standards.

## 4.4.2 Remedial Investigation Summary

On June 21, 2001, under the supervision of Remington and Vernick Engineers, five (5) soil samples were collected beneath Sample F4 and three (3) soil samples were collected beneath location F2 to vertically delineate contamination detected during the SI. Soil Samples F4-R8/F4-R10/F4R12/FR-R14/F4-R15 and F2R8/F2R10/F2R12 were collected at two foot intervals from 8 to 12 feet below Samples F4 and F2, respectively. Soil Samples below F4 were analyzed for VOCs, BNs, TPHC and phenol, and samples below

F2 were analyzed for lead. Historic fill, odor, staining, and volatile vapors were observed from the surface down to a depth of 8 feet in each boring. Based upon the results of the soil sampling, the lower limit of contamination was found to be approximately 8.0 feet.

On August 24, 2001, soil borings were conducted radially outward 5 to 10 feet from soil samples F4 and F2 to horizontally delineate the above contamination (**Appendix D** – Soil Sample Location Plan). The samples (FR1 and FR2) were collected at a depth of 7.5 to 8.0 feet. No compounds were detected in the samples exceeding the NJDEP SCC.

In summary, the horizontal and vertical delineation of soil contamination was completed. The area of the impacted soils was reported to be approximately 136 square feet by 10 feet deep. The RI Report stated that soil contamination must be addressed prior to redevelopment.

# 4.5 AOC-C: FORMER DRUM RINSING/CONCRETE PIT AREAS (BLDS. NOS. 1 AND 2)

# 4.5.1 Site Investigation Summary

As reported by Remington and Vernick during the PA, several small pits were noted inside Building No. 1 that were associated with the caustic wash process area (AOC-C1 and AOC-C4) and the drum rinsing area (AOC-C2A/C2B, AOC-C3A/C3B, and AOC-C5A/C5B). A small pit inside the northwest corner of Building No. 2 of unknown use was also identified (AOC-C6). The locations of the former concrete pit areas are shown on the Soil Sample Location Plan in **Appendix D**. The results of the SI are summarized below.

## Building No. 1

<u>AOC-C1 - Drum Washing Area and Associated Piping</u>: No liquid or sediment was found inside the pit. A soil sample (C1B) was collected beneath a piping run that was identified leading out to the former 1,000-Gal. Liquid Waste UST (AOC-B3) and analyzed for TPHC, PP+40, and total sodium. A soil sample was also collected from 6-inches below the concrete pit area (C1) and analyzed for TPHC and PP+40. Tetrachloroetrhene (TCE) and Trichloroethene (TCE) were reported to be present in both samples at concentrations exceeding the NJDEP SCC (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

<u>AOC-C2/AOC-C3A - Drum Washing Area and Associated Piping</u>: Sediment sample C2A was collected from inside the pit and analyzed for TPHC and PP+40. Soil sample C3A was collected 6-inches beneath a piping run, which ran to a concrete pit/floor drain (AOC-C3) and an oil/water separator (AOC-0), and analyzed for the above parameters. A soil sample was also collected from 6-inches below the concrete pit area (C2B) and analyzed for the same parameters. Metals and base neutral organic compounds were detected in sample C2A, and PCE and/or TCE were detected in soil samples C2B and

C3A exceeding the applicable NJDEP SCC (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

<u>AOC-C3B - Drum Washing Area and Associated Piping</u>: No liquid or sediment was found inside the concrete pit. A floor drain inside the pit was found connected to an oil/water separator (AOC-O). A soil sample was collected from 6-inches below the bottom of the concrete pit and analyzed for TPHC and PP+40. Metals and base neutral organic compounds were reported to be present in both samples at concentrations exceeding the applicable NJDEP SCC (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

<u>AOC-C4 - Pit with Metal Frame/Drum Washing Area</u>: Sediment sample C4A was collected from inside the pit and analyzed for TPHC and PP+40. Soil sample C4B was collected 6-inches beneath the bottom of the concrete pit and analyzed for the same parameters. Metals, TPHC, volatile organics, and base neutral organic compounds were detected in sediment sample C4A, and metals, TPHC, volatile organic compounds were detected in soil sample C4B, exceeding the applicable NJDEP SCC (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

<u>AOC-C5 - Pit with Metal Frame/Drum Washing Area:</u> Sediment sample C5A was collected from inside the pit and analyzed for TPHC and PP+40. Soil sample C5B was collected 6-inches beneath the bottom of the concrete pit and analyzed for the same parameters. Metals and base neutral organic compounds were detected in sediment sample C5A at concentrations exceeding the applicable NJDEP Soil Remediation Standards (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

# Building No. 2

<u>AOC-C6 - Pit with Metal Frame/Drum Washing Area:</u> Soil sample C6 (labeled 'Cc') was collected 6-inches beneath the bottom of the concrete pit and analyzed for TPHC and PP+40. Lead and base neutral organic compounds were detected in the soil sample concentrations exceeding the applicable NJDEP SCC (**Appendix D**). As a result, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

# 4.5.2 Remedial Investigation Summary

The vertical delineation of the Former Concrete Pit Areas (AOC-C) in Buildings No. 1 and 2 was conducted on June 19 and 21, 2009, respectively. The horizontal delineations were conducted on August 9 and August 17. The results of the remedial investigations as reported by Remington and Vernick are summarized below.

## Building No. 1

<u>AOC-C1 through C5- Concrete Pit/Drum Rinsing Area</u>: Seven (7) soil samples (C4R4, C4R-6, C4R-8, C4R-10, C4R-12, C4R-14, C4R-15) were collected below soil sample C4R from depths of 4 to 15 feet below grade and analyzed for the contaminants of concern as discussed above. A strong odor was detected during the sampling. To horizontally delineate the contamination, eight (8) soil borings radiating outward from 5 to 15 feet from sample C4 were conducted along the perimeter of the slab. Soil samples CR-1 through CR-8 were collected from each boring at 5.5 to 6.0 feet and analyzed for the above parameters (**Appendix D**). No compounds were reported to be present at concentrations exceeding the NJ Soil Remediation Standards.

In summary, the horizontal and vertical delineation of soil contamination was completed. The area of the impacted soils was reported to be approximately 683 square feet by 6 feet deep. The Remedial Investigation Report (RIR) stated that soil contamination must be addressed prior to redevelopment.

# Building No. 2

<u>AOC-C6 (reported as location 'Cc') - Pit With Metal Frame/Drum Washing Area:</u> Three (3) soil samples (CCR-4, CCR-6, CCR-8) were collected below soil sample CC from depths of 4 to 8 feet below grade and analyzed for BNs and lead. To horizontally delineate the contamination, four (4) soil samples (CCR-1, through CCR4) radiating outward from sample C4 were collected and analyzed for the above parameters. Soil samples were collected from each boring at 3.55 to 4.0 feet below the surface grade (elevated 4 feet) and analyzed for the above parameters (**Appendix D**). Soil sample CCR-4 was found to contain lead at 522 parts per million (ppm) exceeding the NJ Soil Remediation Standards.

In summary, Remington and Vernick reported that the delineation of AOC-C was completed except for sample location CCR1. The contamination detected was indicative of historic fill materials.

# 4.6 AOC D & K: FORMER LOADING OFF/LOADING AREAS

## 4.6.1 Site Investigation Summary

As reported by Remington and Vernick during the PA, three (3) Loading/Unloading Docks were identified as follows: 1) Building No.1 adjacent to 2nd Street (AOC-D1); 2) Building No. 1 in the southwest corner of the building (AOC-D2); and 3) Building No. 2 perpendicular to the north side of the building (AOC-D3). The locations of the former loading and unloading areas are shown on the Soil Sample Location Plan in **Appendix D** and the SI results are summarized below.

# <u>Building No. 1</u>

<u>AOC-D1- Loading/Off Loading Area</u>: Soil samples J1, J2, and J3 were collected within this area 6-inches below the pavement and analyzed for PP+40 and TPHC. The results of the soil sampling indicated that several polynuclear aromatic hydrocarbon (PAH) compounds were present in the samples at concentrations exceeding the applicable NJDEP Soil Remediation Standards (**Appendix D**). Consequently, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

<u>AOC-D2- Loading/Off Loading Area</u>: Soil samples I1, I2, and I3 were collected within this area 6-inched below the pavement and analyzed for PP+40 and TPHC. The results of the soil sampling indicated that PAHs were present in samples I1 and I3 at concentrations exceeding the applicable NJDEP Soil Remediation Standards (**Appendix D**). Consequently, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

# Building No. 2

<u>AOC-D3- Loading/Off Loading Area:</u> Remington and Vernick did not specifically investigate this loading/unloading area because the area was sampled during investigation of the former yard area (AOCs E and M), the former UST area (AOC-B1), and the oil/water separator (AOC-O).

# 4.6.2 Remedial Investigation Summary

AOCs D and K were further investigated by Remington and Vernick during the investigation of historic fill materials. On July 16, 2001, to delineate the on-site extent of historic fill materials, one characterization soil boring was conducted at each corner of the Site (two along front Street and two along Second Street) down to a depth of 18 feet bgs. The reported results of the soil borings indicated that historic fill materials and associated contamination were present down to a depth of approximately 12 feet bgs. Groundwater was detected at 13 feet below grade during the investigation. It was concluded in the RI Report that the historic fill materials should be addressed prior to site redevelopment.

# 4.7 AOC E & M: FORMER DRUM STORAGE/YARD AREAS

# 4.7.1 Site Investigation Summary

## Soil

The area between former Buildings No. 1 and 2 and to the east of these buildings (once occupied by a building) was reportedly used for drum storage at the Site. To investigate this area, Remington and Vernick collected twenty-two (22) samples using a 30 x 30 foot square grid pattern (samples D1 to D22). The samples were collected from 0 to 6-inches below grade except for VOCs, which were collected at 24-inches below grade. The

samples were analyzed for PP+40, TPHC, and pH. Eighteen (18) out of 22 samples were found to contain primarily metals and PAHs at concentrations exceeding the NJDEP SCC. As a result, Remington and Vernick recommended that the contamination be investigated in accordance with N.J.A.C. 7:26E-4.6(b) for historic fill materials.

## Groundwater

In response to the contamination detected in the yard area, monitoring wells MW-2 and MW-3 were installed by Remington and Vernick on February 19, 1999 in accordance with N.J.A.C. 7:26E (**Appendix D** – Soil Sampling Location Plan). Groundwater samples were collected on March 15, 1999, and analyzed for PP+40. The result of the analysis indicated that lead was detected in both wells at concentrations exceeding the NJDEP Class IIA Groundwater Quality Criteria (GWQC). As a result, Remington and Vernick recommended that additional sampling be conducted in these wells utilizing USEPA's Low Flow Method.

## 4.7.2 Remedial Investigation Summary

The remedial investigation of soil for AOCs E & M was conducted pursuant to NJDEP's requirements for historic fill materials. The investigation and results for historic fill materials are discussed in the remedial investigation section for AOCs D & K. Section 4.6.2 of this report. The remedial investigation of groundwater at the Site during the SI/RI is discussed in Section 4.11.

# 4.8 AOC G & I: FORMER FLOOR DRAIN/TRENCH/PIPING

## 4.8.1 Site Investigation Summary

This AOC is located along the south side of Building No. 1 and east of the building that was reported to include: 1) a trench used to dispose solvent waste from the drum rinsing/washing area (AOC-C); and 2) a 4-inch diameter 150 feet long pipeline (three feet below the trench) and associated floor drain west of AOC-B3 that was connected to the oil/water separator (AOC-O). The piping was reported to discharge to the public sewer system along Front Street (**Appendix D** – Soil Sampling Location Plan).

## Piping/Floor Drain

Soil samples G2, G4, and G5 were collected 30 feet apart along the piping and samples G1A and G1B were collected beneath and from within the floor drain, respectively. The samples were collected at a depth of 3 feet below grade and analyzed for TPHC, PP+40, pH, and sodium. Elevated PID readings were detected during collection of the sample beneath the floor drain. Priority Pollutant Metals were detected in all samples with the exception of G1B exceeding the NJDEP SCC. TPHC, volatile and semi-volatile organics, and phenols were detected in sample G1B exceeding the most stringent NJDEP SCC.

# <u>Trench</u>

In the trench area, matting materials were observed along the trench that measured approximately two feet wide, four feet deep, and 50 feet in length. Soil sample G1 was collected from six to eighteen inches below grade and analyzed for TPHC, PP+40, pH, and sodium. TPHC, semi-volatile organics, metals, and phenols were detected in sample G1B exceeding the most stringent NJDEP SCC. Consequently, Remington and Vernick recommended that the contamination be horizontally and vertically delineated.

## 4.8.2 Remedial Investigation Summary

Seven (7) soil samples (G4R-4, G4R-6, G4R-8, G4R-10, G4R-12, G4R-14, and G4R-16) were collected beneath SI sample location G1B (floor drain) to vertically delineate the extent of contamination detected during the SI as discussed above. Based upon PID readings and soil analytical results, the contamination was found reported to be present within the 0 to 6 feet interval below the floor drain.

Seven (7) soil samples (GR-1 though GR-7) were collected from individual soil borings radiating outward 5 to 15 feet from sample G4 along the perimeter of the piping. With the exception of lead detected in sample GR-4, no other contaminants were detected in the samples at concentrations exceeding the NJDEP SCC. Remington and Vernick indicated that the lead contamination was associated with historic fill materials, which were further investigated pursuant to NJDEP's requirements for historic fill materials.

# 4.9 AOC-O: FORMER OIL TANK WITH SEPARATOR AREA

## 4.9.1 Site Investigation Summary

As reported by Remington and Vernick, an oil/water separator was present in the yard area adjacent to Building #1 across from the raised concrete loading dock connected to Building No.2 (**Figure 3**). Caustic wash water from the drum rising process was reportedly discharged in the oil/water separator, which connected to the public sewer system via the 4-inch piping as described above.

## Soil

Six (6) soil samples (A1 through A6) were collected within and surrounding the oil/water separator at depths ranging from 2.5 to 6 feet below grade (**Appendix D** - Soil Sampling Location Plan). The samples were analyzed for TPHC, PP+40, pH, and sodium. High PID readings and a strong odor were detected during the sampling within the oil/water separator and during the test pit excavation/sampling surrounding the oil/water separator.

The soil sampling results indicated that volatile and semi-volatile organics, phenols, and metals were detected in all samples exceeding the most stringent NJDEP SCC. In addition, TPHC was detected in all six samples exceeding the 10,000 mg/kg NJDEP

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criteria. Based upon the results of the sampling, Remington and Vernick recommended that the horizontal and vertical extent of the contamination be delineated.

## Groundwater

Based upon soil sampling results and the reported historic usage of the oil/water separator, monitoring well MW-1 was installed to evaluate possible impacts to groundwater from AOC-O (**Appendix D** – Soil Sampling Location Plan). Groundwater was encountered at 8.5 feet below grade during the monitoring well installation. On July 9, 1998 a groundwater sample was collected from MW-1 and analyzed for PP+40. The result of the analysis indicated that volatile organics and phenols were detected at concentrations exceeding the NJDEP Class IIA GWQC. As a result, Remington and Vernick recommended further groundwater investigation of this AOC.

## 4.9.2 Remedial Investigation Summary

Six (6) soil samples (A2R-6, A2R-8, A2R-10, A2R-12, A2R-14, A2R-15) were collected at 2 foot intervals beneath SI sample A2 (oil/water separator) to vertically delineate the extent of contamination as discussed above. Based upon visual evidence, PID readings, and the analytical results, it was determined that the contamination was present within the interval from 0 to 6 feet bgs.

Four (4) soil samples (AR-1 though AR-4) were collected from individual soil borings at 5.5 to 6.5 below grade radiating outward 5 to 15 feet from sample A2 to horizontally delineate the contamination. After reviewing the analytical results from samples AR2 and AR3, samples AR5, AR6, AR7 and AR8 were collected during a second phase of sampling to complete the delineation. In addition, soil sample A9 was collected from a boring collected 10 outward from sample AR7 to complete the delineation of TPHC.

The reported results of the remedial investigation for AOC-O indicated that the soil contamination was present down to a depth of 6 feet deep within an area of approximately 1,175 square feet surrounding the oil/water separator. Remington and Vernick stated that the contamination must be addressed prior to site development.

## 4.10 AOC-P: FORMER ELEVATOR PITS

## 4.10.1 Site Investigation Summary

Two (2) elevator shafts were identified during the PA as follows: 1) AOC-P1 in the southwestern corner of Building No. 1; and 2) AOC-P2 in the northeast side of Bldg. No. 1. Based upon site interviews, possible discharges of solvents into the elevator shafts were reported. For the southwest corner elevator shaft, four (4) soil samples were collected from test pits (samples P1A through P1D) at a depth of 5 feet below grade. For the northeast side elevator shaft, two test pits were sampled at 4.5 feet below grade (samples P2A and P2B) due to limited access around the elevator shaft (**Appendix D** – Soil Sampling Location Plan). All samples were analyzed for PP+40 and TPHC.

The reported results of the soil sampling indicated that lead was detected in samples P1D and P1B (southwest elevator shaft) exceeding the most stringent NJDEP SCC. Consequently, Remington and Vernick recommended that the horizontal and vertical extent of the contamination be delineated.

## 4.10.2 Remedial Investigation Summary

The remedial investigation of soil for AOC-P1 was conducted pursuant to NJDEP's requirements for historic fill materials. The investigation and results for historic fill materials are discussed in Section 4.6.2 of this report.

## 4.11 REMEDIAL INVESTIGATION OF GROUNDWATER- 2001

Remedial investigation of groundwater was conducted by Remington and Vernick to further assess groundwater contamination detected in monitoring MW-1, MW-2, and MW-3 during the SI. As discussed above, MW-1 was installed in the vicinity of the oil/water separator (AOC-O) and monitoring wells MW-2 and MW-3 were installed within the former Drum Storage/Yard Area at the Site. During the SI, volatile organic compounds and phenols were detected in monitoring well MW-1, and lead was detected in monitoring well MW-2 and MW-3, requiring further remedial actions.

On August 15, and September 17, 2001, groundwater samples were collected from MW-1, MW-2, and MW-3 in accordance with USEPA's "Low Flow Purging and Sampling Procedure for Collection of Groundwater Samples". No compounds were detected during either of the sampling rounds at concentrations above the NJDEP Class II-A GWQC. During the groundwater sampling rounds, groundwater flow direction was reported to be generally westerly at the Site (i.e., towards the Delaware River).

## 5.0 DESCRIPTION OF HISTORIC REMEDIAL ACTIVITIES – 2005 to 2006

## 5.1 OVERVIEW

During the period from February 2005 through March 2006, remedial activities were conducted at the ABC Barrel Co. Site to address soil contamination associated with the following six (6) AOCs:

- <u>AOC-B1</u>- Registered 8,000-Gal. Diesel UST and Piping, located adjacent to Building No. 2
- <u>AOC-B2</u>- Former 1,000-Gal. Fuel Oil UST and Piping, located adjacent to AOC-B1
- <u>AOC-B3</u>- Former 1,000-Gal. Liquid Waste UST, located adjacent to Building No.1
- <u>AOC-C1-C5</u> Former Drum Rinsing/Caustic Wash/Concrete Pit Area, located in Buildings No. 1)

- <u>AOC-C6</u>- Former Concrete Pit located inside northwest corner of Building No. 2
- <u>AOC-G-</u> Former Floor Drain/Trench/Piping along the southwest side of Building No. 1
- <u>AOC-O-</u> Former Oil Water Separator and Associated Piping, located on the south side of Building No. 1

The remedial activities were conducted under the oversight of EHS Environmental, Inc (EHS), who was retained by Pennrose Properties, LLC on behalf of Cooper Grant Developer's, LLC. The remedial activities included: 1) excavation and removal of one (1) regulated UST (AOC-B1); 2) excavation and removal of two (2) unregulated USTs (AOC-B2/AOC-B3); 3) contaminated soil excavation and post-excavation sampling for AOC-B1, AOC-B3, AOC-C1-C5, AOC-C6, AOC-G, and AOC-O; and 4) stockpiling, waste classifications sampling, and off-site disposal of contaminated soil associated with the above AOCs.

The regulated 8,000-Gal. Diesel UST removal (AOC-B1) was completed by ENVsion on February 2, 3, and 4, 2005 (Section 2.4.6). Based upon the available historic information for the Site, the unregulated 1,000-Gal. Fuel Oil UST (AOC-B2) located east of AOC-B1 and the Liquid Waste UST (AOC-B3) located adjacent to Building No. 1 were also removed in February 2005 in coordination with removal of the former building foundations and slabs. Based upon review of the available information, other AOCs previously identified as 'hot spots' were also removed during these activities. These AOCs consisted of: 1) a drum rinsing area inside Building No. 1 (AOC-C1-C5); 2) the concrete pit area inside building No. 2 (AOC-C6); 3) a floor drain, trench, and piping (AOC-G); and 4) an oil-water separator outside Building No. 1 (AOC-O).

Following completion of the removal of AOC-B1, AOC-B2, and AOC-B3 and the other AOCs, in March 2006, soil remedial actions were completed by React Environmental Professional Services Group (REPSG) for AOC-B1, AOC-B3, AOC-C1-C5, AOC-C6, AOC-G, and AOC-O. It should be noted that REPSG designated the AOCs remediated as AOC-001 through AOC-006, which is different from the AOC names referred to in SI and RI by Remington and Vernick. For reference, the REPSG and the corresponding Remington and Vernick designations are as follows:

AOC Assigned during SI/RI	AOC Assigned during RA
AOC-O	AOC-001
AOC-C1-C5	AOC-002
AOC-C6	AOC-003
AOC-B1	AOC-004
AOC-B3	AOC-005
AOC-G	AOC-006

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A summary of the post-excavation sampling program for the AOCs is presented in **Table 3** and a **s**ummary of the excavation volumes, areas, dates, and location of the receiving facility are presented in **Table 4**. The approximate locations of the March 2006 excavated areas as provided by REPSG are shown on the Record of Historical Remedial Actions in **Figure 7**. The post-excavation Sample Location Plan and summary of analytical data as provided by REACT are presented in **Appendix E**.

# 5.2 QUALITY ASSURANCE/QUALITY CONTROL

Quality Assurance/Quality Control (QA/QC) procedures utilized during the remedial activities were those as specified in the project's Quality Assurance Project Plan (QAPjP) and standard environmental practices. Standard practices include the use of dedicated vinyl or nitrile gloves and dedicated field sampling equipment, collection of field/lab blanks, proper storage of samples, and strict Chain-of-Custody procedures.

# 5.3 HEALTH & SAFETY PROCEDURES

Health and safety procedures utilized during the on-site remedial activities were those as specified in the project Health and Safety Plan (HASP). The HASP was prepared by ENVision in accordance with the United States Environmental Protection Agency (USEPA) Standard Operating Safety Guides and Occupational Safety and Health Administration (OSHA) regulations (29CFR Part 1910). Based upon the requirements of the HASP, site work was conducted using Level D Personal Protection Equipment (PPE).

# 5.4 INITIAL REMOVAL ACTIONS – FEB. 2005

# 5.4.1 AOC-B1: Former 8,000-Gal.Diesel UST System

The initial UST removal activities for AOC-B1 were conducted by EHS's subcontractor Terra Environmental Contractors on February 2, 3 and 4, 2005 as discussed in Section 2.4.6. The location and depth of the excavation was initially identified in the field by the contractor using the information provided by Remington & Vernick in their RI Report. The RI Report identified the limits of the excavation as delineated by post-excavation sample locations E1 through E5 and E2R1, as shown by "Detail E" in the Soil Sample Location Plan in **Appendix D**.

As discussed in the February 2005 SI Report prepared by ENVision, during the initial UST removal, excavated soils were inspected for physical evidence of petroleum contamination and discrete samples were tested with a photoionization meter (PID) for the presence of volatile vapors. Excavated soils were stockpiled onsite for later removal by CRA. The volume of contaminated soil excavated during the removal was not reported. A review of available historic information for the Site indicated that the excavation was most likely backfilled with fill materials generated during removal of the nearby buildings foundations and slabs.

As discussed in Section 2.4.6, five (5) post-excavation soil samples were collected from the base of the excavation and analyzed for TPHC and VOCs in accordance with Table 2 of N.J.A.C. 7:26E-2.1(d). The locations and depths of the initial post-excavation soil samples are shown on **Appendix C**. No contaminants were detected in the soil samples exceeding the NJDEP SCC.

# 5.4.2 AOC-B2 & AOC-B3: 1,000-Gal. Unregulated USTs

Based upon review of available historic information, the initial UST removal activities for AOC-B2 (1,000- Gal. Fuel Oil UST east of AOC-B1) and AOC-B3 (1,000-Gal. Liquid Waste UST adjacent to Building No. 1) were apparently completed by EHS in February 2005 in coordination with removal of the building foundations and slabs. In a November 7, 2005 correspondence prepared by EHS, it was indicated that these underground tanks were removed and disposed and the contaminated soils were stockpiled on-site. Correspondence from EHS indicated that the stockpiled soils were later removed and disposed off-site as discussed below. Specific information pertaining to the initial removal activities for this AOC was not available.

# 5.4.3 AOC-C1-5, AOC-C6, AOC-G and AOC-O

Based upon a review of available historic information, the initial UST removal activities for the remainder of the AOCs were apparently completed by EHS in February 2005 in coordination with removal of the building foundations and slabs. Although the documentation reviewed referenced three AOCs ('hot spots)' and did not specifically identify the names of the AOCs remediated, the AOCs most likely included: AOC-C1 - drum rinsing area inside Building No. 1; AOC-C6 - concrete pit area located inside Building No. 2); and AOC-G and AOC-O - the floor drain/trench/piping and oil water separator located adjacent to Building No. 1. In the November 7, 2005 correspondence prepared by EHS, it was indicated that the soils removed from these AOCs were stockpiled on-site, however, when the contractor removed the slabs, the stockpiled soils were backfilled. More specific information pertaining to the initial removal of these AOCs was not available.

# 5.5 SOIL REMEDIAL ACTIONS – MARCH 2006

# 5.5.1 Excavation of AOC-001 through AOC-006

Based upon information obtained from EHS, soil remedial actions were completed by REPSG during the week of March 27, 2006, for AOC-O, AOC-C1, AOC-C6, AOC-B1, AOC-B3, and AOC-G. The AOCs remediated were designated as AOC-001 through AOC-006 as summarized in **Table 4** and discussed above.

The remedial activities completed during March 2006 consisted of the excavation, postexcavation sampling, and disposal of contaminated soils, pursuant to the recommendations of the RI Report and in compliance with requirements of NJDEP's August 24, 2006 Comment Letter (**Appendix A**). Although the February 2006 SI for AOC-B1 did not recommend further soil remediation, additional remedial activities were conducted for this AOC during the March 2006 activities, possibly in response to previous NJDEP request.

It should also be noted that remedial activities were not completed for AOC-B2 (Former 1,000- Gal. Fuel Oil UST) during the March 2006 activities presumably because further sampling was not recommended for this AOC in the RI Report. However, NJDEP's August 2006 comment letter required that further information be provided before a No Further Action determination was made for AOC-B2. Since sampling had not been conducted beneath AOC-B2 after the removal, additional remedial actions would be required for AOC-B2.

The initial location of the excavation areas for these AOCs were determined in the field by REPSG based upon the area of soil contamination delineated during the RI as shown on the Soil Sampling Location Plan provided in **Appendix D**. Where necessary, the excavations were continued until contaminated soils were not observed based upon the physical evidence of contamination. At that time, post-excavation soil samples were collected from the bottom and sidewalls of the excavations to confirm the removal of the contaminated soils. The estimated areas and volumes of contaminated soil excavated for AOC-001 through AOC-006 as provided by EHS are summarized below.

AOC Remediated	AOC Description	Area of Excavation	Depth of Excavation	Volume Removed
		(sq. feet)	(feet)	(cy)
AOC-001	Oil-Water Separator	2700	0.5	20
AOC-002	Drum Rinsing Area	1080	6	240
AOC-003	Concrete Pit Area	190	8	56
AOC-004	8,000-Gal. UST & Piping	1500	12	667
AOC-005	1,000-Gal. Liq.Waste UST	190	10	70
AOC-006	Floor Drain/Trench/Piping	1200	6	265
			Total	1300 cy

An additional 30 cubic yards (cy) was excavated from AOC-001 which overlapped with AOC-004. This additional 30 cy is included in the total for AOC-004. The March 2006 post-excavation sampling and results and management of the excavated regulated waste are discussed in the following sections.

#### 5.5.2 Post-Excavation Sampling and Results

A summary of the post-excavation sampling program conducted by REPSG during the March 2006 soil remedial actions is presented in **Table 3**. The specific locations of the samples and a summary of the analytical results as provided by REPSG are provided **Appendix E**.

A shown on the soil sample locations maps in **Appendix E**, the following postexcavation samples were collected:

- <u>AOC-001</u>: seven (7) grabs samples at 0.5 inches below the ground surface (bgs)
- <u>AOC-002</u>: eight (8) grab samples at 6 feet bgs (2 bottom and 6 sidewall)
- <u>AOC-003</u>: five (5) grab samples at 8 feet bgs (1 bottom and 4 sidewall)
- <u>AOC-004</u>: eight (8) grab samples at 12 feet bgs (2 bottom and 6 sidewall)
- $\overline{\text{AOC-005}}$ : five (5) grab samples from at 10 feet bgs (1 bottom and 4 sidewall)
- $\overline{\text{AOC-006}}$ : ten (10) grab samples at 6 feet bgs (2 bottom and 8 sidewall)

With the exception of AOC-006 (concrete pit area), all samples were analyzed for the following parameters:

- Total Petroleum Hydrocarbon (TPH) by EPA Method 418.1
- Volatile Organic Compounds (VOCs) by EPA Method 8260B
- Semi-Volatile Organics by EPA Method 8270D
- Metals by EPA Method 6010B

Area of concern AOC-006 was analyzed only for only semi-volatile organics presumably because of the nature of the source area.

#### Post- Excavation Sampling Results

The results of the March 2006 post-excavation sampling indicated that chlorinated volatile organic compound tetrachloroethyene (PCE) was present in sample 06-PE-005 at a concentration of 520 mg/Kg, which slightly exceeds the SCC for this constituent. In addition, lead was detected in five (5) samples and antimony in one (1) sample from AOC-006 (floor drain/piping/trench area) exceeding the SCC.

Based upon the sampling results, further delineation sampling and removal of PCEimpacted soil is warranted for AOC-G, the former floor drain/trench/piping area. The scope of work of these additional remedial actions will be detailed in the Remedial Action Workplan (RAW) for site development (Section 9.6). Since the metals contamination is most likely associated with historic fill materials that underlie the entire Site, the metals contamination will be addressed in the RAW through implementation of a Deed Notice for site-wide historic fill materials.

#### 5.5.3 Temporary Stockpiling and Waste Classification Sampling

A review of the available site information indicated that contaminated soils were temporarily stockpiled on-site during the following activities: 1) the initial UST removals in February 2005; and 2) the March 2006 soil remedial actions. These temporary stockpile areas and origins of the contaminated soils are as follows:

- Stockpile Area No. 1- Generated February 2005: AOC-B1, AOC-B2, AOC-B3
- <u>Stockpile Area No. 2-</u> Generated March 2006: AOC-001 through AOC-006

The estimated total volume of contaminated soil in Stockpile No. 1 was not reported. Based upon the correspondence from EHS April 10, 2006 (**Appendix F**), an estimated total of 1300 cubic yards of contamination soil was generated and temporarily stockpiled at the Site following the soil remedial actions in March 2006.

#### Waste Classification Sampling

Waste classification samples were collected from Stockpile No.1 by ENVision on February 10, 2006. The sampling was conducted in accordance with the Soil Safe, Inc. Logan Facility sampling protocols. For this sampling, two (2) composite samples (PC-1 and PC-2) were collected and submitted to EMSL Analytical, Inc., a NJ Certified laboratory from Westmont, NJ, for analysis of: VOAs (Method 8260B); SVOA (Method 8270C); PCBs (Method 8082); total and TCLP metals (Method 6010B); Diesel Range Organics (Method 801.5) and Paint Filter Test (Method 9095A).

The Chain of Custody for these samples and the analytical results are provided in **Appendix F.** Based upon the results of the waste classifications sampling for Stockpile No.1, the contaminated soils were classified by Soil Safe as 'non-regulated petroleum contaminated soils'. Information on waste classifications sampling for soil in stockpile No. 2 was not available.

#### 5.5.4 Contaminated Soil Removal and Disposal

According to documentation provided by EHS, contaminated soils were removed from Stockpile Areas No. 1 and No. 2 and disposed at the Soil Safe Facility, located at 378 Route 130, in Bridgeport, Logan County, New Jersey. The Logan Soil Safe Facility is a NJDEP-Permitted "Class B Recycling Center" that accepts petroleum contaminated soils for recycling and reuse. The soils were transported as solid waste in accordance with NJDOT Regulations.

A review of the waste manifests (signed by Pennrose or EHS) and other documentation provided by EHS indicated that a total 1,823.08 tons of contaminated soil was removed as follows:

- <u>March 3, 2006</u>- a total of 706.4 tons was removed from Stockpile No. 1 (Log # 7, 10, 11, 12, 24, 34, 35, 42, 43, 44, 45,47, 49,56, 59, 60, 62, 78, 80, 82, 83, Blank No., 98, and 101.
- <u>March 30 & 31, 2006-</u> a total of 1,116.68 tons were removed from Stockpile No. 2

Soil Safe's Approval Number for the above stockpiled soils was No. L4 3021. Final Waste Manifests from Soil Safe are provided in **Appendix F** and **Appendix G**.

#### 6.0 SUPPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES – 2007 Through 2009

#### 6.1 GROUNDWATER SCREENING INVESTIGATION (AOC-B1) -SEPTEMBER 2007

To comply with NJDEP's August 2006 Correspondence, on September 9, 2007, DRESDNER ROBIN conducted a groundwater screening investigation at the ABC Barrel Company Site. The purpose of the work was to further investigate groundwater contamination related to AOC-B1, a Former 8,000 Gallon Diesel UST. AOC-B1 is located in the central part of the Site adjacent to Building No. 2 (**Figure 3**).

The groundwater screening investigation included the collection and analysis of groundwater sample GW-1 from a temporary well installed within the former excavation area of AOC B1. The results of the September 2007 groundwater screening investigation indicated that concentrations of several individual Base Neutral (BN) compounds [polynuclear aromatic hydrocarbons (PAHs)] and total tentatively identified compounds (TICS) including volatile organic (VO) and base neutral (BN) TICS were present exceeding the NJDEP Groundwater Quality Criteria (GWQC). In addition, an intermittent sheen was noted on the purge water during the collection of the screening sample.

The results of the screening investigation and recommendations for further remedial activities at the ABC Barrel Site were detailed by DRESDNER ROBIN in *Proposal for Groundwater Remedial Investigation/Remedial Action Workplan*", dated February 28, 2008. The workplan included tasks to complete the installation and sampling of a confirmation monitoring well (MW-4) and installation of three additional wells to delineate the contamination (if necessary).

In an E-mail dated June 27, 2008, NJDEP commented on the February 28, 2008 Proposal and Workplan and approved the workplan with modifications. The February 2008 Proposal and Workplan was then modified and on July 10, 2008 a "*Revised Proposal for Groundwater Remedial Investigation/Remedial Action Workplan*" was resubmitted to NJDEP.

#### 6.2 GROUNDWATER INVESTIGATION (AOC-B1) – OCT. – DEC. 2008

#### 6.2.1 Overview

Based upon the results of the groundwater screening as described above, a groundwater remedial investigation was completed for the former 10,000-Gal. Diesel UST and Piping (AOC-B1) (**Figure 3**). The scope of work for the groundwater remedial investigation was conducted in accordance with the revised July 2008 Proposal and Workplan. The groundwater remedial investigation was conducted in two phases as follows:

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#### October 7-21, 2008

- Installation and development of monitoring well MW-4
- Reconstruction of existing wells MW-1, MW-2, and MW-3
- Surveying of MW-1 through MW-4
- Disposal of investigation-derived waste
- Collection and analysis of initial groundwater sample from MW-4 (October 21, 2008)

#### <u>December 15, 2008</u>

- Collection and analysis of second (confirmation) sample from MW-4
- Collection of water level measurements and PID testing of existing site wells (MW-1, MW-2, MW-3, and MW-4)

Based upon the approved scope of work, the installation of three additional delineation phase monitoring wells was contingent upon the results of the initial and confirmation groundwater sampling.

Details of the 2008 groundwater remedial investigation activities were reported by DRESDNER ROBIN in the March 4, 2009, *Groundwater Remedial Investigation Letter Report*. Based upon the results of the groundwater sampling, the RI Letter Report recommended a No Further Action for groundwater at the Site.

#### 6.2.2 Installation of Monitoring Well MW-4

Monitoring Well MW-4 was installed by a NJ-Certified Driller (Tabasco Drilling) utilizing a mobile drilling rig and hollow-stem augers. The well was installed adjacent to the groundwater screening location GW-1 as shown on **Figure 8**.

During the monitoring well installation, subsurface materials encountered consisted predominantly of fill materials that were apparently used to backfill the former UST excavation. The subsurface materials were described by DRESDNER ROBIN'S field geologist as follows:

- <u>0.0 to 4.0 feet</u>- orange to red brown medium to fine sand and silt with little to some brick pieces, miscellaneous debris, and gravel (0.0 to 4.0 feet)
- <u>4.0 to 18.0 feet</u>- dark gray medium to fine and coarse to fine sand, with little to some silt, gravel, and trace of miscellaneous debris.

During the installation of MW-4, significant evidence of odors, stains, or sheen were not detected. The Soil Boring/Well Log prepared for MW-4 is presented in **Appendix H**.

Monitoring well MW-4 (Well Permit No. P200801109) was constructed in accordance with the requirements of the NJDEP's *Field Sampling Procedures Manual* (August 2005)

and the *Well Construction Rule*. The well construction details consist of 4-inch Schedule 40 PVC solid pipe with 15 feet of 0.01-inch slot size well screen (installed from 3.0 to 18 feet) with compatible size filter pack. The surface details consisted of a flush mount steel casing set in a concrete pad, with pressure-sealed locking cap. Monitoring Well Records for MW-4 are presented in **Appendix H**. Site Photography showing the construction details of MW-4 is presented in **Appendix J**.

#### 6.2.3 Well Reconstructions/Surveying of Existing Wells

DRESDNER ROBIN'S Certified Driller inspected existing monitoring well MW-1 and determined that only the surface casing of the well was damaged. Consequently, the driller removed the manhole and well pad and replaced it with a new flush-mount steel surface casing and cement pad. In addition, it was determined that the existing surface constructions of MW-2 and MW-3 were also in need of repair. Therefore, the driller also installed new flush-mount steel surface casings and cement pads for these wells.

Following completion of the above well installation and reconstructions, DRESDNER ROBIN'S Professional Land Surveyor surveyed the casing and ground elevations and locations of monitoring wells MW-1, MW-2, MW-3, and MW-4. The survey used NJ State Plane Coordinates NAD 83 and available bench mark elevation datum. The *Form B Monitoring Well Certifications* for these wells are provided in **Appendix H**. Photographs showing the construction details of MW-1, MW-2, and MW-3 is presented in **Appendix J**.

#### 6.2.4 Groundwater Monitoring and Sampling

As indicated above, the initial groundwater sample was collected from monitoring well MW-4 on October 21, 2008, and a confirmation sample was collected on December 15, 2008. The initial groundwater sample was collected two weeks after the installation and development of the MW-4. The confirmation sample was collected approximately 6 weeks after the initial sampling event following review of the initial sampling data and consultation with CRA.

Prior to the collection of the groundwater samples, photoionization detector (PID) readings and water level measurements were collected from the monitoring wells. The results of this monitoring indicated that PID readings collected in MW-4 varied from 0.0 parts per million (ppm) to 4.3 ppm and PID readings in monitoring wells MW-1 through MW-3 varied from 0.6 to 2.4 ppm. A sheen was not observed in any of the monitoring during the monitoring and sampling, although organic materials were noted in a bailer sample collected from MW-3, which suggested that the well had been impacted by surface activities.

During the monitoring activities, depth to groundwater in the monitoring wells varied from 8.9 feet to 11.49 feet below the flush mount PVC casings. As shown in **Figure 9**, based upon the October 21, 2008 water level data, the groundwater elevations varied from approximately 0.1 to 1.0 feet above Mean Sea Level (MSL). Groundwater flow

direction as shown appears to be in a southwest direction (towards MW-2), which is in a direction towards the closest part of the Delaware River channel.

#### Groundwater Sampling and Analysis

Groundwater samples were collected in accordance with the procedures and protocol detailed in the NJDEP's *Field Sampling Procedures Manual* (May 1992). To collect the most representative groundwater sample, the low flow sampling method was used in accordance with NJDEP's *Low Flow Purging and Sampling Guidance Document*.

The groundwater samples were analyzed by Accutest laboratories, a NJ-Certified laboratory for the following contaminants of concern:

- GS/MS Volatile Organic Compounds (SW 846 8260B)
- GS/MS Semi-Volatile Organic Compounds (SW 846 8270C/8270C by SIM)

Field quality assurance-quality control (QA/QC) samples were collected during the sampling in accordance with N.J.A.C. 7:26E-2.1 of the *Technical Requirements for Site Remediation*. During each sampling event, a field blank, trip blank (analyzed for volatiles only) and a replicate sample were collected for analysis.

A groundwater sampling summary is presented in **Table 5** and Groundwater Sampling Logs are provided in **Appendix H**. The laboratory data packages in NJ-Reduced Deliverables Format and Electronic Data Deliverables (EDDs) in GIS compatible format are provided on the CD inside the back cover of this report. A review of the results of the QA/QC samples and the laboratory data packages indicated that there was no significant QA/QC issues during sampling and analysis.

#### 6.2 5 Groundwater Analytical Results

To evaluate the October and December 2008 groundwater data, the results from MW-4 were compared to the NJDEP Groundwater Remediation Standards N.J.A.C. 7:9C, consisting of the higher of the Practical Quantitation Level (PQL) and the Class II Specific Groundwater Quality Criteria (GWQC) or the Interim Specific Groundwater Quality Criteria, where applicable. A summary of the analytical results for the October and December 2008 sampling is presented in **Table 6** and **Table 7**, respectively. The results of the groundwater sampling are summarized below.

#### October 21, 2008 Sampling Results

#### Volatile Organic Compounds

Volatile organic compounds were not detected in the initial groundwater sample from monitoring well MW-4 at concentrations exceeding the GWQC.

#### Semi-volatile Organic Compounds

Semi-volatile organic compounds were not detected in the initial groundwater sample from MW-4 exceeding the GWQC. A trace concentration of acenaphthene was detected in the sample significantly below the 400 microgram per liter (ug/L) GWQC.

#### December 15, 2008 Sampling Results

#### Volatile Organic Compounds

Volatile organic compounds were not detected in the confirmation groundwater sample from MW-4 at concentrations exceeding the GWQC. Tetrachloroethene (PCE) was detected in the sample at a concentration of 0.30J ug/L, which is below the 1.0 ug/L GWQC. In addition, trace concentrations of acetone were detected in the field and trip blanks collected on December 15, 2008. However, since acetone was not detected in the groundwater sample, a laboratory source of this contamination is suspected.

#### Semi-volatile Organic Compounds

Semi-volatile organic compounds were not detected in the confirmation groundwater sample from MW-4 exceeding the GWQC.

#### 7.0 DESCRIPTION OF SITE RESTORATION ACTIVITIES

In October 2008, following completion of the historic remedial activities and in coordination with the groundwater remedial investigation, the following restoration activities were completed: 1) removal of all excess construction materials and debris from the ground surface and grading by CRA's contractor; 2) completion of installation of monitoring well MW-4 and reconstruction of monitoring wells MW-1, MW-2, and MW-3 by Dresdner Robin's subcontractor; 3) placement of a minimum six-inches of topsoil, with seeding and stabilization matting, by CRA's contractor, to function as a temporary cap over the entire Site; and; 4) removal of all drummed investigation-derived waste as non-hazardous waste by Dresdner Robin's subcontractor EISCO of NJ.

The purpose of the temporary cap is to eliminate the potential for erosion of contaminated materials (i.e. historic fill materials or impacted soils) and to eliminate potential exposure of the public by direct contact and/or through airborne particulate contamination prior to further remedial activities and site redevelopment. A photograph of the Site showing the capping materials after completion of the October 2006 site restoration activities is provided in **Appendix J**. Final capping of the Site will be completed in coordination with future redevelopment efforts and implementation of Engineering and Institutional controls, as required, pursuant to N.J.A.C. 7:26E-8.

#### 8.0 REMEDIAL ACTION COST SUMMARY

An estimate of the contractor and environmental management costs to date for completion of the historic remedial actions and the groundwater remedial investigation is provided below. The estimate is based upon available information on historic activities, on estimates for standardized items, and on actual Dresdner Robin's environmental management costs. Not included are costs related to site demolition including initial costs for removal of the AOCs (except for AOC-B1), and for site grading activities and placement of the soil cap.

Item	Item	Total
No.	Description	Cost
1	AOC-B1-UST removal, waste disposal, and related work	\$63,000
2	Excavation and post-ex sampling, waste disposal, and related work	\$58,000
3	DRESDNER ROBIN'S Consulting fees (includes groundwater remedial investigation and RI/RAR reporting)	\$55,000

Estimated Cost \$176,000

#### 9.0 FINDINGS/RECOMMENDATIONS

9.1 SOIL- AOC-B1

#### Findings

Removal of the 8,000-Gal. Diesel UST and Piping (AOC-B1) located on the northeast side of former Building No. 1 was completed by EHS in February 2005 and the results reported by ENVision, Inc. in a *Site Investigation Report* dated February 10, 2006. The report indicated that concentrations for TPH and VOCs in post-excavation soil samples were below the NJDEP SCC. As a result, in their August 24, 2005 correspondence, NJDEP did not require further remedial actions for AOC-B1.

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On March 31, 2006, REPSG completed additional excavation, post-excavation soil sampling, and contaminated soil removal. It was reported that during the March 2006 remedial activities for AOC-B1, 667 cy of additional soil was removed and properly disposed. The results of post excavation samples collected beneath the former UST and along the sidewalls of the excavation (at 12 feet bgs) indicated that concentrations of TPH and VOCs were below the NJDEP SCC. Documentation of the materials used to backfill the excavation was not available.

#### **Recommendations**

Remedial actions have been completed for AOC-B1 and a No Further Action for soil is proposed for AOC-B1 at this time. If required based upon the final site redevelopment plans, soils within the vicinity of this AOC will be capped in accordance with NJDEP requirements and a Deed Notice implemented to include the excavation area for AOC-B1.

#### 9.2 SOIL- AOC-B3, C1-C5, C6, AND O

#### <u>Findings</u>

In March 2006, REPSG completed additional excavation, post-excavation soil sampling, and contaminated soil removal for the former 1,000-Gal. Liquid Waste UST located along the south side of Building No. 1 (AOC-B3); the former Caustic Wash/Drum Rinsing/Pit Area inside Building No. 1 (AOC-C1 to C5); the former Concrete Pit Area inside Building No. 2 (AOC-C6); and the former Oil Water Separator adjacent to the south side of Building No. 2 (AOC-O). It was reported that during the March 2006 remedial activities for these AOCs, a total of 386 cy of additional soil was removed and properly disposed. As reported by REPSG, the results of post excavation samples collected from beneath and along the sidewalls of these excavations indicated that concentrations of the contaminants of concern were below the NJDEP SCC.

#### Recommendations

Remedial actions have been completed AOC-B3, CI-C5, C6, and AOC-O and a No Further Action for soil is proposed at this time. If required based upon the final site redevelopment plans, soils within the vicinity of these AOCs will be capped in accordance with NJDEP requirements and a Deed Notice implemented for the Site which will include the AOC excavation areas.

#### 9.3 SOIL- AOC-B2 AND AOC-G

#### Findings

The NJDEP indicated in their August 25, 2008 Comment Letter that it could not determined if further remedial actions were required for the 1,000-Gal Fuel Oil UST and piping (AOC-B2) until the tank and product in the tank are properly removed. Although

available historic information suggested the tank was removed during the February 2005 activities, specific information pertaining to the removal of AOC-B2 was not available. Furthermore, excavation and soil sampling apparently was not conducted for this AOC by REPSG during the March 2006 remedial activities.

On March 31, 2006, REPSG completed additional excavation, post-excavation soil sampling, and contaminated soil removal for Floor Drain/Trench/Piping Area located adjacent to the southwest side of Building No. 1 (AOC-G). It was reported that during the March 2006 remedial activities for AOC-G, a total of 265 cy of additional soil was removed and properly disposed. The results of post excavation samples collected beneath and along the sidewalls of the excavation (at 6 feet bgs) indicated that tetrachloroethene (TCE) was present in one (1) sample along the northeast sidewall of the excavation at a concentration slightly exceeding the NJDEP SCC. Lead was also detected in five (5) samples and antimony in one (1) sample at concentrations exceeding the SCC.

#### **Recommendations**

To comply with N.J.A.C 7:26-4.3, additional soil remedial actions will be required for AOC-G and AOC-B2 to obtain a No Further Action for these AOCs. For AOC-G (the former Floor Drain/Trench/Piping Area), additional excavation, removal, and post-excavation sampling are proposed for the vicinity of post-excavation sample 06-PE-005. Additional soil investigation and removal activities, if required, are also proposed for the area beneath the former 1,000-Gal. Fuel Oil Tank pursuant to NJDEP's requirements, to confirm the soil quality beneath the former UST. Based upon a review of the results of the post-excavation sampling conducted for AOC-G and in the vicinity of AOC-B3 in March 2006, the extent of the soil contamination is expected to be limited. The scope of work for the proposed remedial actions will be detailed in the Remedial Action Work Plan for the Site as discussed in Section 9.6.

It is recommended to complete the proposed remedial activities for AOC-G and AOC-B1 during the remedial action phase of the project in coordination with the site redevelopment. If required based upon the final site redevelopment plans, soils within the vicinity of AOC-B2 and AOC-G will be capped in accordance with NJDEP requirements and a Deed Notice implemented for the Site which will include the AOC excavation areas.

#### 9.4 SOIL- AOC-D&K, E&M, I, AND P1

#### Findings

These AOCs are associated with the former loading/off-loading area adjacent to Building No. 1 and 2<sup>nd</sup> Street (AOC-D & K); the drum storage/yard area west of Buildings No. 1 and 2 (AOC-E&M); the underground piping south of Building No. 1 (AOC-I); and the elevator pit on the southwest side of Building No. 1 (AOC-P1). Soils in these areas were found to be contaminated with PAHs and metals, and therefore, were further characterized during the RI as part of the site-wide 'historic fill' sampling. Remington &

Vernick proposed no further actions for these AOCs, however, recommended that they be addressed prior to redevelopment through the implementation of Engineering and Institutional Controls (i.e., a Deed Notice and capping).

#### **Recommendations**

To comply with requirements of NJDEP's August 24, 2005 correspondence, CRA proposes to address historic fill in these areas by implementing a Deed Notice and placing a cap over the contaminated materials in accordance with NJDEP requirements and consistent with the final site redevelopment plans. A draft Deed Notice will be submitted to NJDEP for review and approval prior filing with the county.

#### 9.5 GROUNDWATER – AOC-B1/SITEWIDE

#### **Findings**

In September 2007, a groundwater screening investigation was conducted for AOC-B1 (the former 8,000-Gal. Diesel UST and Piping) to comply with the requirements of NJDEP's August 25, 2008 Comment Letter. The results of the groundwater screening indicated that concentrations of several PAH compounds plus VO and BN TICS were present in the sample at concentrations exceeding the GWQC. In addition, an intermittent sheen was noted on the purge water during the groundwater screening.

In accordance with the scope of work of the July 2008 workplan, monitoring well MW-4 was installed adjacent to the screening location (**Figure 8**) to confirm the groundwater contamination. Groundwater samples were collected from MW-4 on October 21 and December 15, 2008, using the low-flow purging and sampling method. The results of groundwater sampling indicated that volatile and semi-volatile organic compounds were <u>not</u> present in the initial or the confirmation samples at concentrations exceeding the GWQC. Although low levels of volatile vapors were detected in the headspace of the well prior to sampling, sheen or petroleum odors were not observed in the groundwater sample.

#### Recommendations

The details and results of the groundwater remedial investigation for AOC-B1 were reported to NJDEP in a *Groundwater Remedial Investigation Letter Report*, dated March 4, 2009. Based upon the results of the groundwater investigation, the RI Letter Report recommended a No Further Action for groundwater at the Site. In a February 1, 2010 correspondence, NJDEP approved the RI Letter Report.

Based upon the February 2010 Approval Letter and the information presented in this report, CRA hereby requests that a site-wide No Further Action for groundwater be granted for the ABC Barrel Company Site prior to initiating site redevelopment.

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#### 9.6 REMEDIAL ACTION WORKPLAN/SITE REDEVELOPMENT

A Remedial Action Workplan (RAW) will be prepared for the ABC Barrel Company Site pursuant to the requirements of N.J.A.C. 7:26E-6.2. The RAW will detail the remedial approach for redevelopment of the Site and is anticipated to include a restricted use remedy for soils. The restricted use remedy would incorporate the use of Engineering and Institutional Controls that are consistent with the final site redevelopment plans. One option being considered by CRA is the removal of historic fill materials from all lots proposed for buildings with the remaining park area (to be owned by the city) capped with 2 feet of landscape materials/1 foot of concrete and asphalt surfaces.

TABLES

## Table 1Site ChronologyCamden Redevelopment AgencyABC Barrel Company Site- 314 to 322 N. 2<sup>nd</sup> StreetSupplemental Remedial Investigation/Historic Remedial Action Report

Dates of Activity	Description of Activity
November 6, 1996	CERTIFICATE OF SALE AND ODER OF DISMISSAL – TAX FORCLOSURE, Properties known as: 308-12 N. Front Street, Block 62, Lot 38, Camden NJ.; 314-322 N. Front Street, Block 62, Lot 45, Camden NJ.
March 1999	EHS ENVIRONMENTAL, INC. completes Phase I – Environmental Site Assessment for Cooper Grant Homes, 402-408, 414-420 N. 2 <sup>nd</sup> Street, 313- 335 N. Front Street, Camden, NJ. 08102
April 20, 1999	REMINGTON & VERNICK ENGINEERS completes SI and submits Site Investigation Report – AABCO Steel Drum, Inc., Block 62, Lots 38 & 45: Block 65, Lot 103, Camden City, Camden County, NJ. (Case #95-9-14-1206- 53)
July 2000	USEPA completed excavation and removal activities under CERCLA funding.
March 22, 2001	REMINGTON & VERNICK ENGINEERS submits Remedial Investigation Workplan – AABCO Steel Drum, Inc., Block 62, Lots 38 & 45: Block 65, Lot 103, Camden City, Camden County, NJ. Case #95-9-14-1206-53
Oct. 7, 2002	REMINGTON & VERNICK ENGINEERS submits Remedial Investigation Report for the AABCO Steel Drum, Inc., 308-322 North Front Street and 320 North 2 <sup>nd</sup> Street, City of Camden.
February 23, 2004	DEED recorded for the premises known as 307 N. 2 <sup>nd</sup> Street, Block 62, Lot 23, City of Camden and 308-312 N. Front Street, Block 62, Lot 38; premises known as 314-322 N. Front Street, Block 62, Lot 45, City of Camden. NJ
February 2005	EMSL removes registered 8,000-Gal. Diesel Fuel UST and Piping (AOC-B3) was removed along with existing building foundations and slabs. Contaminated soils were stockpiled on-site.
February 10, 2006	EHS ENVIRONMENTAL, INC. AND COOPER GRANT DEVELOPERS, LLC submits Site Investigation Report for AOC-B1 308-322 N. Front Street, Camden City, Camden County, NJ.NJDEP TMW #C03-3522 NJDEP Facility ID#: 006594.
March 2006	EHS/REACT ENVIRONMENTAL completes remedial excavation and post- excavation samples for six (6) AOCs (AOCs B1, B3, C1, C6, G, and O) at the Site
March 3 and March 30-31, 2006	EHS removes 706.41 tons of non-hazardous waste from stockpiles at the Site; EHS removes 1110.68 tons of regulated waste from stockpiles generated during remedial action of AOC-A1, A3,C1, C6, G, and A.

# Table 1Site ChronologyCamden Redevelopment AgencyABC Barrel Company Site- 314 to 322 N. 2<sup>nd</sup> StreetSupplemental Remedial Investigation/Historic Remedial Action Report

Dates of Activity	Description of Activity
April 10, 2006	EHS ENVIRONMENTAL, INC. AND COOPER GRANT DEVELOPERS, LLC submits soil disposal manifests associated various AOCs excavated at the Site (AOC-O, AOC-C, AOC-B1/B3, and AOC-G)
August 29, 2006	CRA receives Comment Letter from new NJDEP Case Manger concerning further remedial actions required for Site AOCs
March 8, 2007	CRA submits Remedial Investigation Workplan and receives approval from NJDEP in a Letter dated May 8, 2007
September 9, 2007	DRESDNER ROBIN conducts a groundwater screening investigation for AOC-B1 (former 8,000-gal. diesel UST and Piping)
June 8, 2007	CRA receives Approval Letter from NJDEP for HDSRF funding to conduct the first phase of groundwater investigation
August 5, 2007	CRA receives Approval Letter from NJDEP for HDSRF funding to complete the groundwater investigation for AOC-B1 and RI/RAR for the Site
October 7-21, 2008	DRESDNER ROBIN installs monitoring well MW-4, reconstructs existing wells MW-1, MW-2, and MW-3, and collects groundwater samples from MW-4
October 7, 2008	DRESDNER ROBIN conducts an OPRA File Search for the ABC Barrel Company Site, Block 63 Lots 38 and 45, to locate additional information pertaining to the historic remedial actions conducted at the Site.
December 15, 2008	DRESDNER ROBIN collects confirmation samples from MW-4 and conducts site wide groundwater monitoring
March 4, 2009	DRESDNER ROBIN submits Groundwater Investigation Letter Report for AOC-B1 to CRA and NJDEP
February 1, 2010	CRA receives NJDEP approval of the March 2009 Groundwater Investigation Letter Report

### TABLE 2SUMMARY OF AREAS OF CONCERN (AS OF 2006)ABC BARREL COMPANY BLOCK 62 LOTS 38 & 45CAMDEN REDEVELOPEMENT AGENCYSUPPLEMENTAL REMEDIAL INVESTIGATION/HISTORIC REMEDIAL ACTION REPORT

Area of	AOC	AOC	Contaminants	Delineation	Active Remediation	NJDEP
Concern	Description	Location	of Concern	Completed	Completed	Requirements
Concern	Description	Location	of concern	Completed	Completed	nequirements
AOC A1	Above Ground Waste Oil Tank	Inside Bldg. #1	None	N/A	N/A	None
AOC A2	Above Ground Treatment Tank	Inside Bldg. #1/Yard Area	None	N/A	N/A	None
AOC B1	8,000- Gal. Diesel UST & Piping	NE Side of Bldg. #2	TPHC	Yes	Yes	Groundwater
						Investigation
AOC B2	1,000-Gal. Fuel Oil UST & Piping	NE Side of Bldg. #2	None	N/A	Yes	RIR/RAR
AOC B3	1,000-Gal. Liquid Waste UST	Adjacent to Bldg. 1	VOs, BNS, TPH	Yes	Yes	RIR/RAR
			Metals, phenol			
<u>AOC C</u>						
AOC C1	Caustic Wash Area/Pipe Run/ Concrete Pit Area	Inside Bldg. #1	(see AOC B3)	(see AOC B3)	(see AOC B3)	(see AOC B3)
AOC C2	Drum Rinse Area /Pipe Run/	Inside Bldg. #1	VOs, BNs, metals	Yes	Yes	<b>RIR/RAR</b>
100 02	Sediments/Concrete Pit Area	moldo Blag. #1	100, BN0, motalo	100	100	
AOC C3	Drum Rinse Area /Concrete Pit Area	Inside Bldg. #1	BNs, metals	Yes	Yes	RIR/RAR
AOC C4	Caustic Wash Area /Sediments/	Inside Bldg. #1	VOs, BNs,	Yes	Yes	<b>RIR/RAR</b>
	Concrete Pit Area	-	metals, TPH			
AOC C5	Drum Rinse Area/Sediments/	Inside Bldg. #1	BNs, metals	Yes	Yes	RIR/RAR
	Concrete Pit Area	Ŭ				
AOC C6	Pit Area	Inside Bldg. #2	BNs, metals	Yes	Yes	RIR/RAR
AOCs D & K		-				
AOC D1	Loading/Off Loading Area	Bldg. #1/near 2nd Street	BNs	Yes	No	
AOC D2	Loading/Off Loading Area	Bldg. #1/Southwest side	BNs	Yes	No	
AOC D3	Loading/Off Loading Area	Bldg. #2 /adjacent to AOC B1	(see AOC B1 - E/M & O)			
AOCs E & M	Drum Storage/Yard Area	Various locations	BNs, pesticides	Yes	Yes	RIR/RAR
/		west of Bldgs. #1 & 2	metals, TPH			
AOC F	Chemical Storage Cabinets/Closets	Inside Bldg. #1	None	N/A	N/A	None
AOC G	Floor Drain/Trench/Piping	Along south side	VOs, BNs, metals,	Yes	Yes	RIR/RAR
	1 0	of Bldg. #1	TPH, phenol			
AOC H	Roof Headers	Various locations	None	N/A	N/A	None
AOC I	Underground Piping	South of Bldg. #1	(see AOCs B-C-G & O)			
AOC J	Spill Area	East side of Bldg. #1	None	N/A	N/A	None
AOC L	Boiler Room	Inside Bldg. #2	None	N/A	N/A	None
AOC N	Paint Booth	Mobile inside Bldg. #1	None	N/A	N/A	None
AOC O	Oil Water Separator & Assoc. Piping	Yard adjacent to Bldg. #1	VOs, BNs, metals,	Yes	Yes	RIR/RAR
			TPH, phenol			
<u>AOC P</u>						
AOC P1	Elevator Pit	Bldg. #1/southwest side	metals	Yes	Unknown	RIR/RAR
AOC P2	Elevator Pit	Bldg. #1/northeast side	None	N/A	N/A	None
AOC Q	Lead Based Paint	Various locations	metals	N/A	Yes	None
AOC R	Asbestos Containing Materials	Various locations	particulates	N/A	Yes	None
AOC S	Non-Contact Cooling Water	Various locations	(see AOC E & M)			
N/A	Historic Fill	Entire Site	BNs, metals	Yes	No	Engineering and
		(0 to 12 ft. deep)			(see Note 1)	Institutional Controls
TPH = Total Petrole	eum Hydrocarbons	RIR = Remedial Investigation Rep	ort			

TPH = Total Petroleum Hydrocarbons

RIR = Remedial Investigation Report

BN = Base Neutrals

RAR = Remedial Action Report

VO = Volatile Organics CEA = Classification Exception Area Note: Summary of AOC's is based upon review of NJDEP's April 6, 2006 Correspondence (See Appendix A) Remedial Actions Completed/Proposed (as of 2006)

> No Further Action No Further Action NFA - Soil

Groundwater Investigation

Tank Removal

RIR/RAR Preparation RIR/RAR Preparation

(see AOC B3)

**RIR/RAR** Preparation

As Above

As Above

As Above

As ABove

RIR/RAR Preparation RIR/RAR Preparation (see AOC B1 - E/M & O)

**RIR/RAR** Preparation

No Further Action RIR/RAR Preparation

No Further Action (see AOCs B-C-G & O) No Further Action No Further Action No Further Action RIR/RAR Preparation

RIR/RAR Preparation No Further Action No Further Action (see AOC E & M) Remedial Action Workplan

#### TABLE 3

#### Summary of Post-Excavation Soil Sampling Program – March 2006 Camden Redevelopment Agency ABC Barrel Company Site- 314 to 322 N. 2<sup>nd</sup> Street Camden, Camden County, New Jersey Supplemental Remedial Investigation/Historic Remedial Action Report

Area of Concern/ Sample	REPSG AOC No.	Depth of Sample	Sampling Method	Sample Analysis	Constituents Exceeding NJ SCC
AOC-B1- <u>8,000-Gal.Diesel UST</u> PE-004 PE-005 PE-006 PE-007 PE-008 PE-009 PE-015 PE-016	AOC-004	(feet) 12 12 12 12 12 12 12 12 12 12	Grab Grab Grab Grab Grab Grab Grab	TPH Volatiles organics Semi-volatile organics Lead Phenols	No
AOC-B3- <u>1,000-Gal.Waste Oil UST</u> 05-PE-001 05-PE-002 05-PE-003 05-PE-004 05-PE-005	AOC-005	10 10 10 10 10 10	Grab Grab Grab Grab Grab Grab	TPH Volatiles organics Semi-volatile organics Lead Phenols	No
AOC-C1- <u>Drum Rinsing Area</u> 02-PE-001 02-PE-002 02-PE-003 02-PE-004 02-PE-005 02-PE-006 02-PE-007 02-PE-008	AOC-002	6 6 6 6 6 6 6	Grab Grab Grab Grab Grab Grab Grab	TPH Volatiles organics Semi-volatile organics Lead Phenols	No
AOC-C6- <u>Concrete Pit Area</u> 03-PE-001 03-PE-002 03-PE-003 03-PE-004 03-PE-005	AOC-003	8 8 8 8 8	Grab Grab Grab Grab Grab	Semi-volatile organics	No

REPSG- React Environmental Professional Services Group, Inc.

TPH- Total Petroleum Hydrocarbons by EPA Method 418.1

Volatile Organic Compounds by EPA Method 8260B

Semi-volatile Organic Compounds by EPA Method 8270B

Phenols by Method 9065

NJ-SCC- NJDEP Residential and Non-Residential Direct Contact Soil Cleanup Criteria (RDCSCC/NRDCSCC)

# TABLE 3Summary of Post-Excavation Soil Sampling Program – March 2006Camden Redevelopment AgencyABC Barrel Company Site- 314 to 322 N. 2<sup>nd</sup> StreetCamden, Camden County, New JerseySupplemental Remedial Investigation/Historic Remedial Action Report

Area of Concern/ Sample	REPSG AOC No.	Depth of Sample	Sampling Method	Sample Analysis	Constituents Exceeding NJ SCC
AOC-O-		(feet)			
Oil/Water Separator	AOC-001				
PE-001		0.5	Grab		
PE-002		0.5	Grab	TPH	
PE-003		0.5	Grab	Volatiles organics	
PE-010		0.5	Grab	Semi-volatile organics	No
PE-011		0.5	Grab	Lead	
PE-012		0.5	Grab	Phenols	
PE-013		0.5	Grab		
AOC-G-					
Floor Drain/Trench Area-	AOC-006				
06-PE-001		6	Grab		
06-PE-002		6	Grab	TPH	
06-PE-003		6	Grab	Volatiles organics	Yes
06-PE-004		6	Grab	Semi-volatile organics	(see Note 1)
06-PE-005		6	Grab	Lead	
06-PE-006		6	Grab	Phenols	
06-PE-007		6	Grab		
06-PE-008		6	Grab		
06-PE-009		6	Grab		
06-PE-010		6	Grab		

REPSG- React Environmental Professional Services Group, Inc.

TPH- Total Petroleum Hydrocarbons by EPA Method 418.1

Volatile Organic Compounds by EPA Method 8260B

Semi-volatile Organic Compounds by EPA Method 8270B

Phenols by Method 9065

NJ-SCC- NJDEP Residential and Non-Residential Direct Contact Soil Cleanup Criteria (RDCSCC/NRDCSCC)

Note:

1) Tetrachloroethene (PCE) was detected slightly above the NJDEP most stringent Soil Cleanup Criteria

2) Based upon the available historic data, post-excavation sampling was not conducted beneath the AOC-B2 following removal.

# Table 4Summary of Excavation and Disposal ActivitiesCamden Redevelopment AgencyABC Barrel Company Site – 314 to 322 N. 2<sup>nd</sup> StreetCity of Camden, New JerseySupplemental Remedial Investigation/Historic Remedial Action Report

Area of Concern	Dates of Removal/ Post-Excavation Sampling	Area/Depth of Excavation	Excavation/ Disposal Volumes	Contaminated Soil Disposal Date/ Facility
<u>AOC-B1</u> 8,000-Gal. Diesel UST and Piping	Removed/Sampled 2/2/05 to 2/3/05 (resampled 3/31/06)	1500 sq.ft. 12 ft. deep	667 cy	3/3/06 Soil Safe Inc.
<u>AOC-B2</u> 1,000-Gal. Fuel Oil UST and piping	Removed Feb.2005 (not sampled)	(see Note 3)	Unknown	3/3/06 Soil Safe Inc.
<u>AOC-B3</u> 1,000-Gal. Liquid Waste UST	Removed Feb.2005/ Sampled March 31, 2006	190 sq.ft. 10 ft. deep	70 cy	3/3/06 Soil Safe Inc.
AOC-C1 to C5 Caustic Wash Drum Rinsing Pit Area (Bldg. No. 1)	Removed Feb. 2005/ Sampled March 31, 2006	1080 sq.ft. 6 ft. deep	240 cy	3/30/06 to 3/31/06 Soil Safe, Inc.
AOC-C6 Concrete Pit Area (Bldg. No. 2)	Removed Feb. 2005/ Sampled March 31, 2006	190 sq.ft. 8 ft. deep	56 cy	3/30/06 to 3/31/06 Soil Safe, Inc.
<u>AOC-G</u> Floor Drain/Trench/ Piping Area	Removed Feb. 2005/ Sampled March 31, 2006	1200 sq.ft. 6 ft. deep	267 су	3/30/06 to 3/31/06 Soil Safe, Inc.
<u>AOC-O</u> Oil Water Separator	Removed Feb. 2005/ Sampled March 31, 2006	2700 sq.ft. 0.5 ft. deep	20 cy	3/30/06 to 3/31/06 Soil Safe, Inc.
TOTALS;			1300 cy	

REPSG- React Environmental Professional Services Group, Inc.

sq. ft.=square feet cy=cubic yards

#### Notes:

- 1) The contaminated soil was disposed as non-hazardous waste at Soil Safe Facility, located at 378 Route 130, Bridgeport, Logan County, New Jersey.
- 2) An additional 30 cy of contaminated soil at AOC-O was removed during excavation for AOC-B1 and is included in the total for AOC-B1.
- 3) Based upon the available historic records, AOC-B1 and AOC-B3 were removed on or about the time AOC-B1 was remediated.

Q:\Env\Env. Manage. Group\B904-01 CRA - ABC Barrel Co RI-RAR\Draft RAR\Tables\Table 4 Summary of Excavation and Disposal Volumes.doc

#### TABLE 5

#### Groundwater Sampling Summary – Oct. and Dec. 2008 Camden Redevelopment Agency ABC Barrel Site, 314-322 N. Front Street, Camden NJ Supplemental Remedial Investigation/Historic Remedial Action Report

Sample Name	Date of Sampling	Type of Sample	Sampling Method	Type of Analysis
<u>Block 62</u> <u>Lots 38/44</u> MW-4 Replicate (Rep) Field Blank Trip Blank	October 21, 2008	Groundwater Groundwater Aqueous	Low Flow Low Flow NA NA	TCL-VO+10 TCL-BN+15
<u>Block 62</u> <u>Lots 38/44</u> MW-4 Replicate (Rep) Field Blank Trip Blank	December 15, 2008	Groundwater Groundwater Aqueous	Low Flow Low Flow NA NA	TCL-VO+10 TCL-BN+15

TCL – Target Compound List

VO+10= Volatile Organic Compounds by SW846 8260B

BN+15= Semi Volatile Organic Compounds by SW 846 8270/8270 by SIM

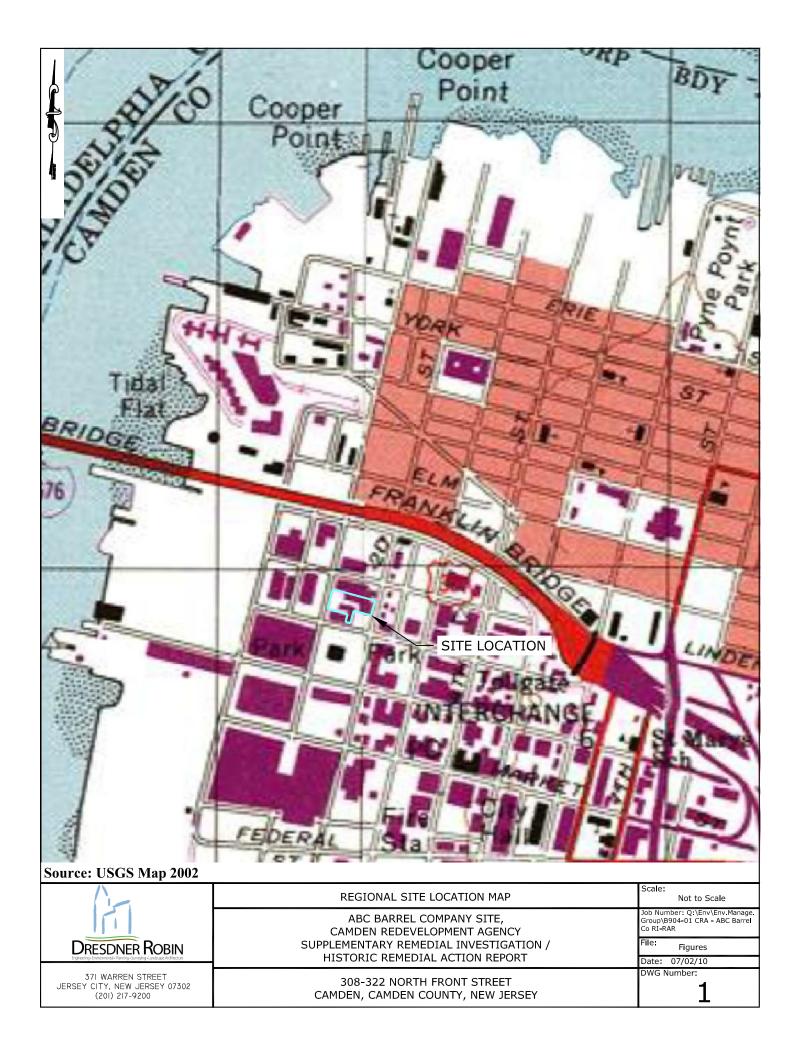
### Table 6 Groundwater Analytical Results- October 21, 2008 Camden Redevelopment Agency ABC Barrel Site, 314-322 N. Front Street, Camden, NJ Supplemental Remedial Investigstion/Historic Remedial Action Report

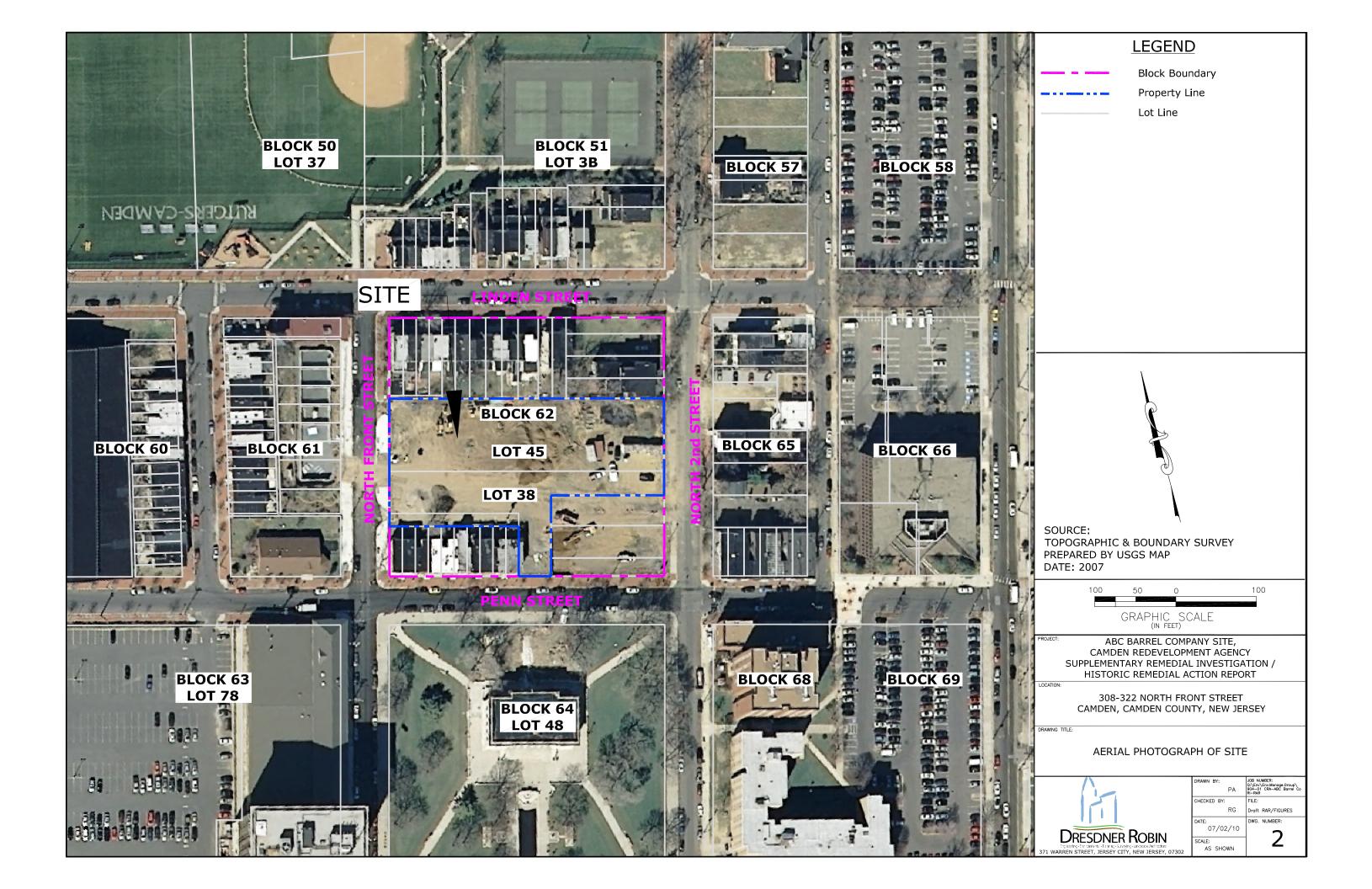
Sample ID:	NJDEP	MW-4	MW-4 REPLICATE (REP)	FB-1	TRIP BLANK
Laboratory Sample ID:	Ground Water	JA3653-1	JA3653-4	JA3653-2	JA3653-3
Sampling Date:	Criteria	10/21/2008	10/21/2008	10/21/2008	10/21/2008
Dilution Factor(s):		1	1	1	1
Sampling Depth (feet):					
Matrix:		Ground Water	Ground Water	Field Blank Water	Trip Blank Water
GC/MS Volatiles (ppb) (SW846 8260B)					
Acetone	6000	2.1 U	2.1 U	2.1 U	2.1 U
Benzene	1	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	1	0.14 U	0.14 U	0.14 U	0.14 U
Bromoform	4	0.18 U	0.18 U	0.18 U	0.18 U
Bromomethane	10	0.32 U	0.32 U	0.32 U	0.32 U
2-Butanone (MEK)	300	2.3 U	2.3 U	2.3 U	2.3 U
Carbon disulfide	700	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	1	0.18 U	0.18 U	0.18 U	0.18 U
Chlorobenzene	50	0.19 U	0.19 U	0.19 U	0.19 U
Chloroethane	NS	0.22 U	0.22 U	0.22 U	0.22 U
Chloroform	70	0.16 U	0.16 U	0.16 U	0.16 U
Chloromethane	NS	0.29 U	0.29 U	0.29 U	0.29 U
Dibromochloromethane	1	0.16 U	0.16 U	0.16 U	0.16 U
1,1-Dichloroethane	50	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloroethane	2	0.35 U	0.35 U	0.35 U	0.35 U
1,1-Dichloroethene	1	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	0.25 U	0.25 U	0.25 U	0.25 U
trans-1,2-Dichloroethene	100	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethene (total)	70	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloropropane	1	0.18 U	0.18 U	0.18 U	0.18 U
cis-1,3-Dichloropropene	NS	0.18 U	0.18 U	0.18 U	0.18 U
trans-1,3-Dichloropropene	NS	0.15 U	0.15 U	0.15 U	0.15 U
Ethylbenzene	700	0.27 U	0.27 U	0.27 U	0.27 U
2-Hexanone	NS	1.7 U	1.7 U	1.7 U	1.7 U
4-Methyl-2-pentanone(MIBK)	NS	1.3 U	1.3 U	1.3 U	1.3 U
Methylene chloride	3	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	100	0.17 U	0.17 U	0.17 U	0.17 U
1,1,2,2-Tetrachloroethane	1	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethene	1	0.29 U	0.29 U	0.29 U	0.29 U
Toluene	600	0.15 U	0.15 U	0.15 U	0.15 U
1,1,1-Trichloroethane	30	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	3	0.17 U	0.17 U	0.17 U	0.17 U
Trichloroethene	1	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	1	0.21 U	0.21 U	0.21 U	0.21 U
Xylene (total)	1000	0.39 U	0.39 U	0.39 U	0.39 U
TOTAL TARGETED GC/MS Volatiles (ppb)		0	0	0	0
Total TIC, Volatile	NS	0	0	0	0
TOTAL NON-TARGETED GC/MS Volatiles (ppb)	NS	0	0	ů 0	ů 0
TOTAL GC/MS Volatiles (ppb)		0	0	ů 0	ů 0

# Table 7Groundwater Analytical Results - December 15, 2008Camden Redevelopment AgencyABC Barrel Site, 314-322 N. Front Street, Camden, NJSupplemental Remedial Investigation/Historic Remedial Action Report

Sample ID: Laboratory Sample ID: Sampling Date: Dilution Factor(s):	Ground Water Criteria	MW-4 JA8234-1 12/15/2008 1	REP121508 JA8234-2 12/15/2008 1	FB121508 JA8234-3 12/15/2008 1	TB121508 JA8234-4 12/15/2008
Sampling Depth (feet): Matrix:		Ground Water	Ground Water	Field Blank Water	Trip Blank Water
GC/MS Semi-volatiles (ppb) (SW846 8270C BY SIM)					•
Acenaphthene	400	0.016 U	0.016 U	0.025 U	NA
Acenaphthylene	NS	0.0071 U	0.0072 U	0.011 U	NA
Anthracene	2000	0.021 U	0.022 U	0.032 U	NA
Benzo(a)anthracene	0.1	0.034 U	0.035 U	0.052 U	NA
Benzo(a)pyrene	0.1	0.036 U	0.037 U	0.055 U	NA
Benzo(b)fluoranthene	0.2	0.017 U	0.018 U	0.026 U	NA
Benzo(g,h,i)perylene	NS	0.012 U	0.012 U	0.018 U	NA
Benzo(k)fluoranthene	0.5	0.019 U	0.019 U	0.029 U	NA
Chrysene	5	0.018 U	0.018 U	0.027 U	NA
Dibenzo(a,h)anthracene	0.3	0.021 U	0.021 U	0.031 U	NA
Fluoranthene	300	0.0098 U	0.0099 U	0.015 U	NA
Fluorene	300	0.020 U	0.020 U	0.030 U	NA
Hexachlorobenzene	0.02	0.010 U	0.010 U	0.015 U	NA
Indeno(1,2,3-cd)pyrene	0.2	0.015 U	0.015 U	0.022 U	NA
Naphthalene	300	0.014 U	0.014 U	0.021 U	NA
Phenanthrene	NS	0.017 U	0.018 U	0.026 U	NA
Pyrene	200	0.012 U	0.012 U	0.019 U	NA
TOTAL TARGETED GC/MS Semi-volatiles (ppb)		0	0	0	0

**FIGURES** 







#### LEGEND

/////

Block Boundary Property Line Former Building

AOC

Area of Concern

AREA OF CONCERN No.: DESCRIPTION LOCATION AOC B1 8,000- Gal. Diesel UST & Piping Side of Bldg. #2 1,000-Gal. Fuel Oil UST & Piping AOC B2 NE Side of Bldg. #2 AOC B3 1,000-Gal. Liquid Waste UST Adjacent to Bldg. 1 AOC C AOC C1 Caustic Wash Area/Pipe Run/ Inside Bldg. #1 Concrete Pit Area AOC C2 Drum Rinse Area /Pipe Inside Bldg. #1 Run/Sediments/Concrete Pit Area Drum Rinse Area /Concrete Pit Area AOC C3 Inside Bldg. #1 AOC C4 Caustic Wash Area /Sediments/ Inside Bldg. #1 Concrete Pit Area AOC C5 Drum Rinse Area/Sediments Inside Bldg. #1 Concrete Pit Area AOC C6 Pit Area Inside Bldg. #2 AOCs D & K AOC D1 Bldg. #1/near 2nd Street Loading/Off Loading Area AOC D2 Loading/Off Loading Area Bldg. #1/Southwest side AOC D3 Loading/Off Loading Area Bldg. #2 /adjacent to AOC B AOCs E & M Drum Storage/Yard Area Various locations west of Bldg.. #1 & 2 Along south side of Bldg. #1 AOC G Floor Drain/Trench/Piping AOC I Underground Piping South of Bldg. #1 AOC O Oil Water Separator & Assoc. Piping Yard adjacent to Bldg. #1 AOC P AOC P1 Elevator Pit Bldg. #1/southwest side AOC P2 Bldg. #1/northeast side Elevator Pit Historic Fill (see Note 1) Entire Site (0 to 12 ft. deep) N/A SOURCE: TOPOGRAPHIC & BOUNDARY SURVEY PREPARED BY USGS MAP DATE: 2005 GRAPHIC SCALE ABC BARREL COMPANY SITE, CAMDEN REDEVELOPMENT AGENCY SUPPLEMENTARY REMEDIAL INVESTIGATION / HISTORIC REMEDIAL ACTION REPORT 308-322 NORTH FRONT STREET CAMDEN, CAMDEN COUNTY, NEW JERSEY DRAWING TITLE: SITE PLAN / AREAS OF CONCERN :\Env\Env.Manage.Group\ 04-01 CRA-ABC Barrel PA HECKED B RG Draft RAR/FIGURES NUMBER ATE: 07/02/10

Dresdner Robin

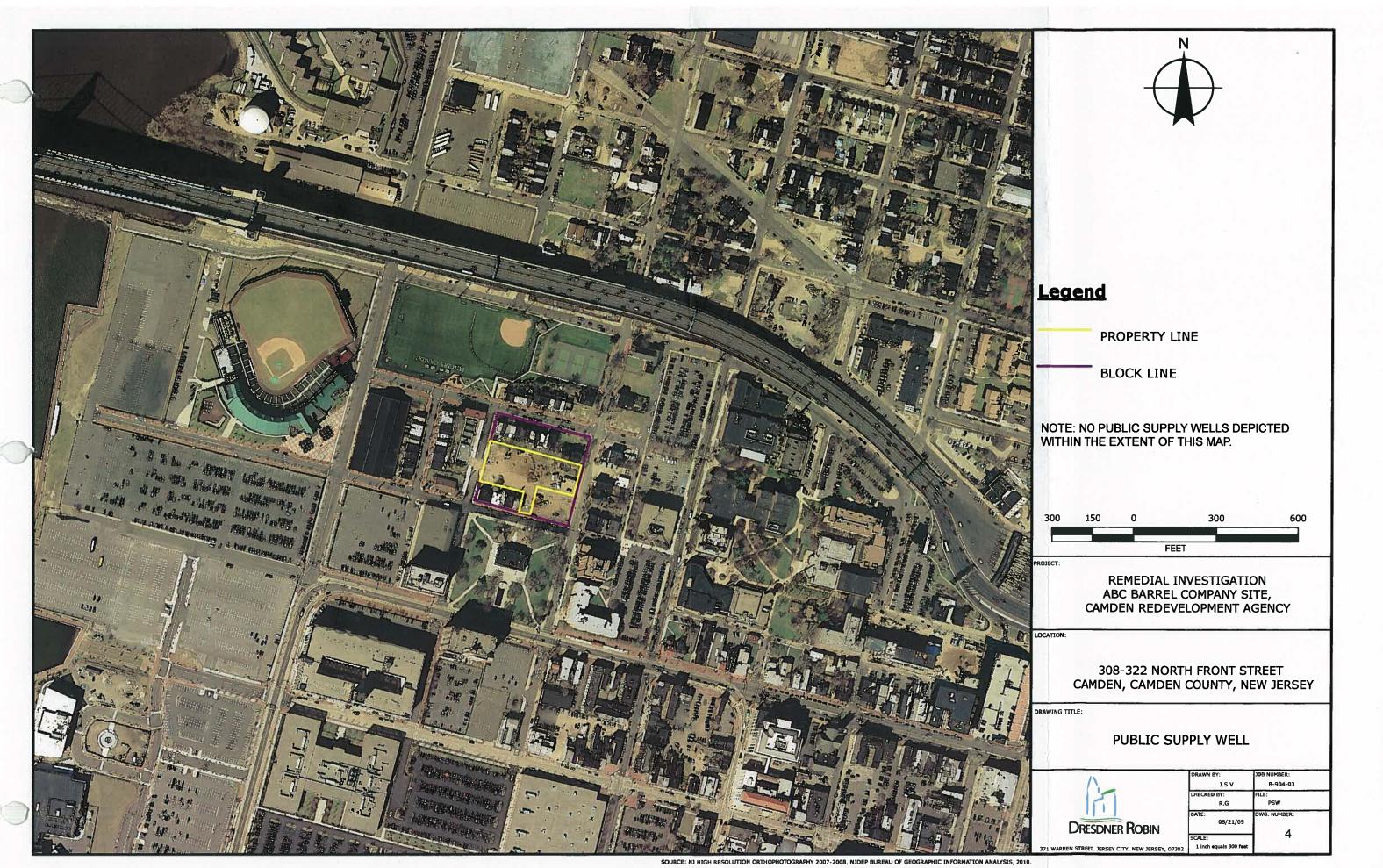
VARREN STREET, JERSEY CITY, NEW JERSEY, 07302

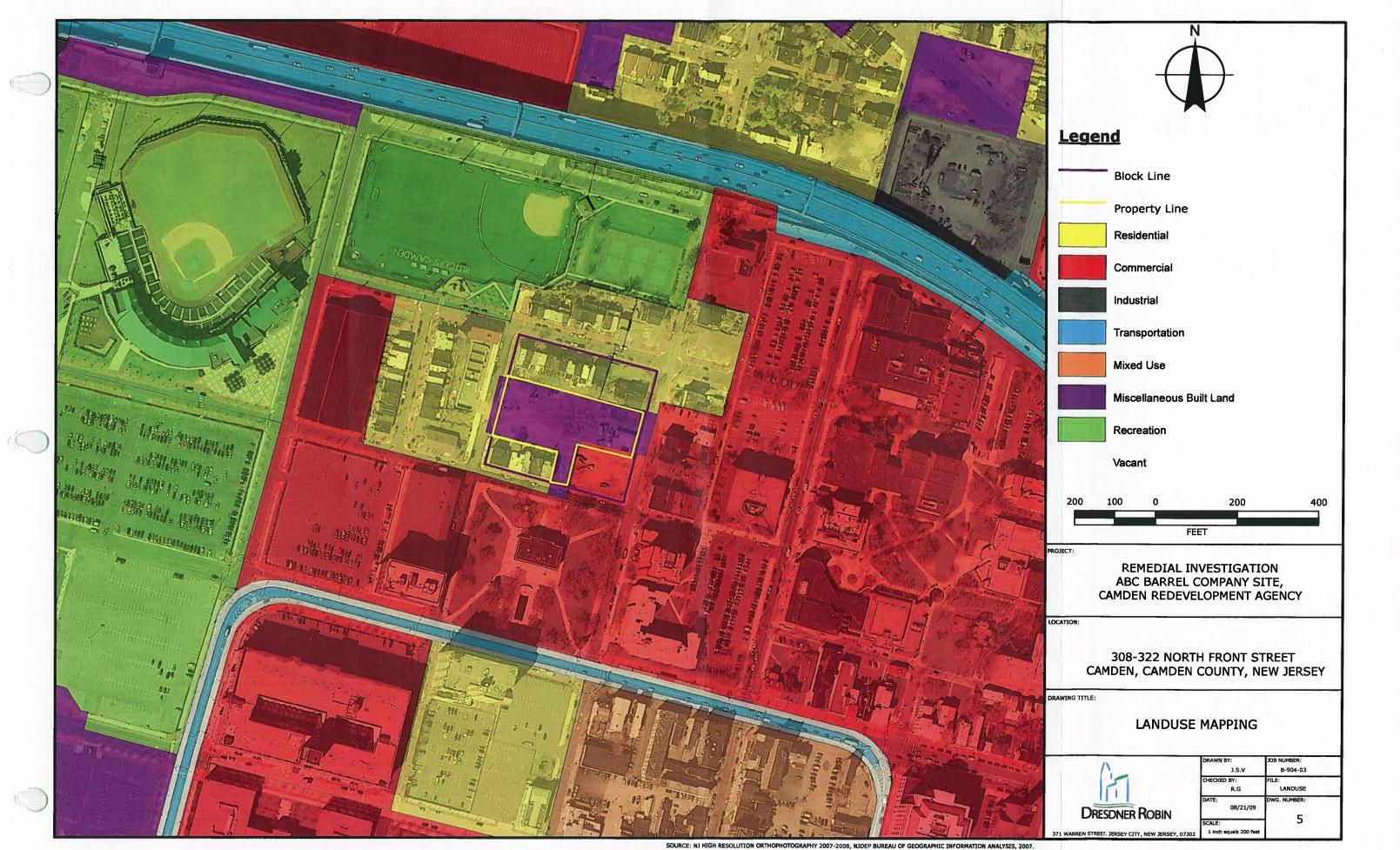
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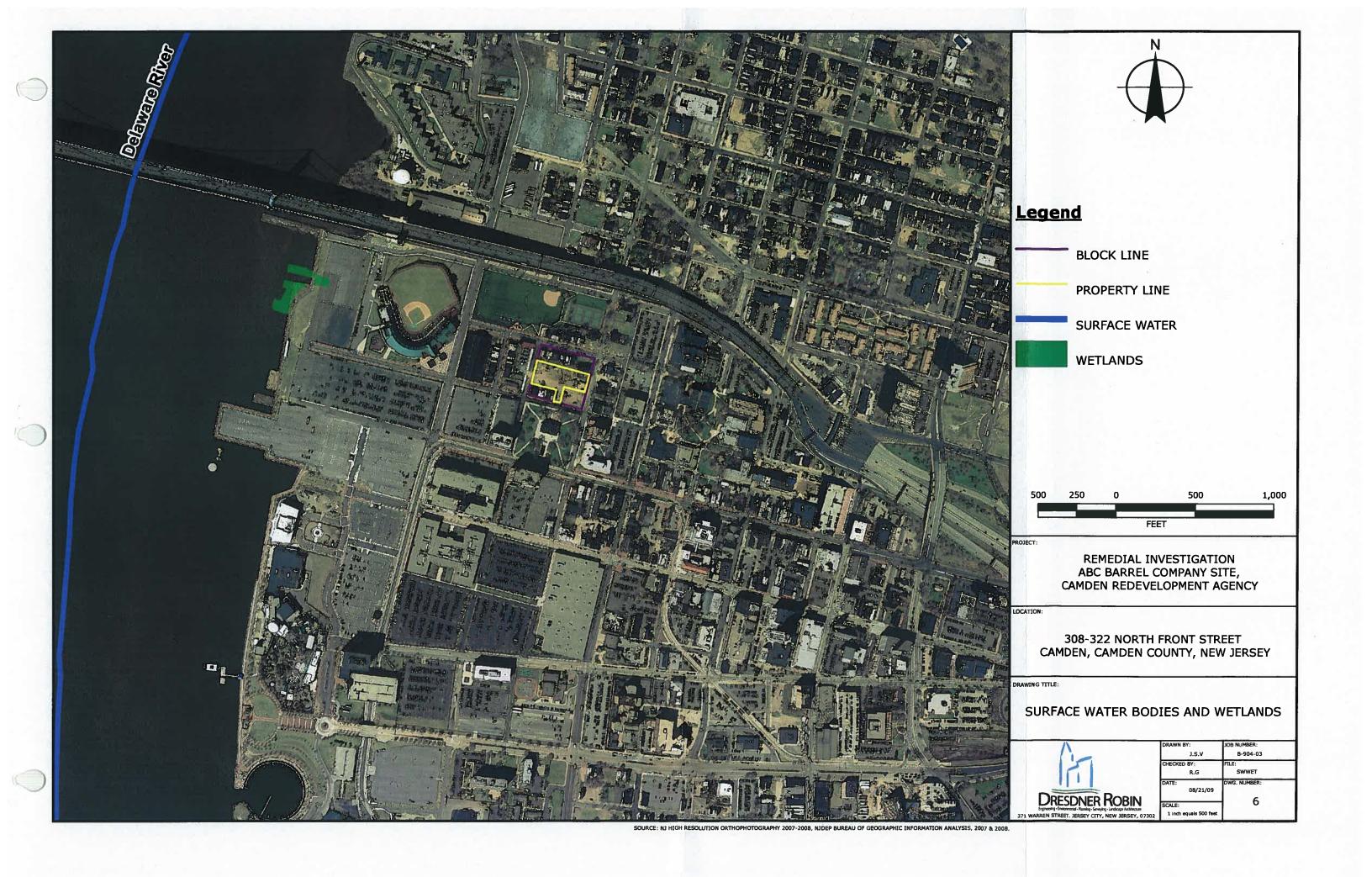
CALE: AS SHOWN

Existing Monitoring Well Installed

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#### LEGEND



Block Boundary Property Line Former Building

Area of Concern

AOC

Area of Concern - Excavation Area	REPSG AOC No.	Description
AOC-B1	AOC-004	8,000-Gal. Diesel UST & Piping
AOC-B3	AOC-005	1,000-Gal. Liquid Waste UST
AOC-C1-C5	AOC-002	Drum Rinsing Area (Bldg. No. 1)
AOC-C6	AOC-003	Concrete Pit Area (Bldg. No. 2)
AOC-G	AOC-006	Floor Drain/Trench/Piping Area
AOC-O	AOC-001	Oil Water Separator & Piping



SOURCE: COOPER GRANT PROJECT; FRONT STREET, CAMDEN, NJ; PROJECT NO. 7254-002; REACT ENVIRONMENTAL SERVICE GROUP, INC., MAY 2006

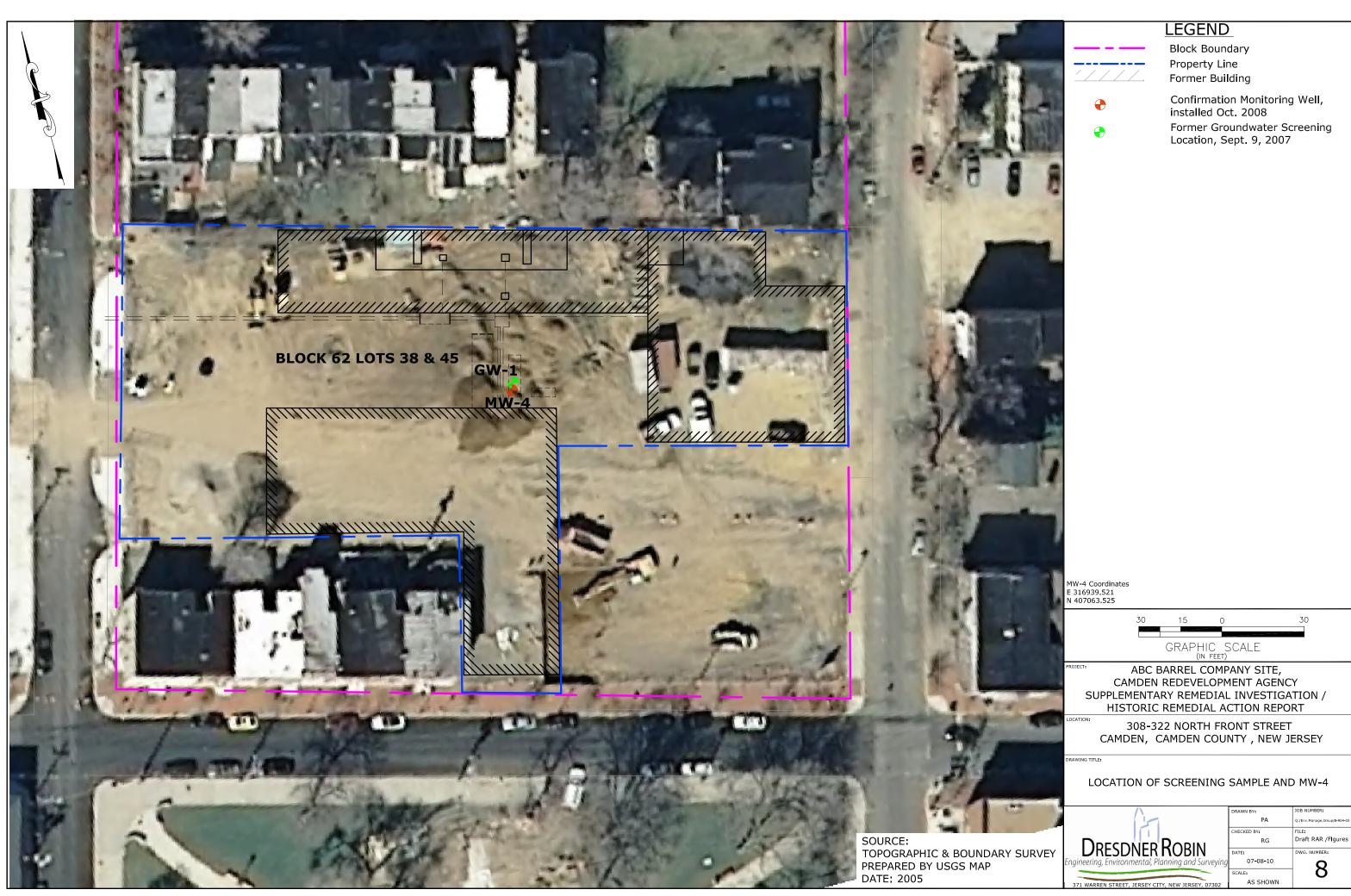
ABC BARREL COMPANY SITE, CAMDEN REDEVELOPMENT AGENCY SUPPLEMENTARY REMEDIAL INVESTIGATION / HISTORIC REMEDIAL ACTION REPORT

#### 308-322 NORTH FRONT STREET CAMDEN, CAMDEN COUNTY, NEW JERSEY

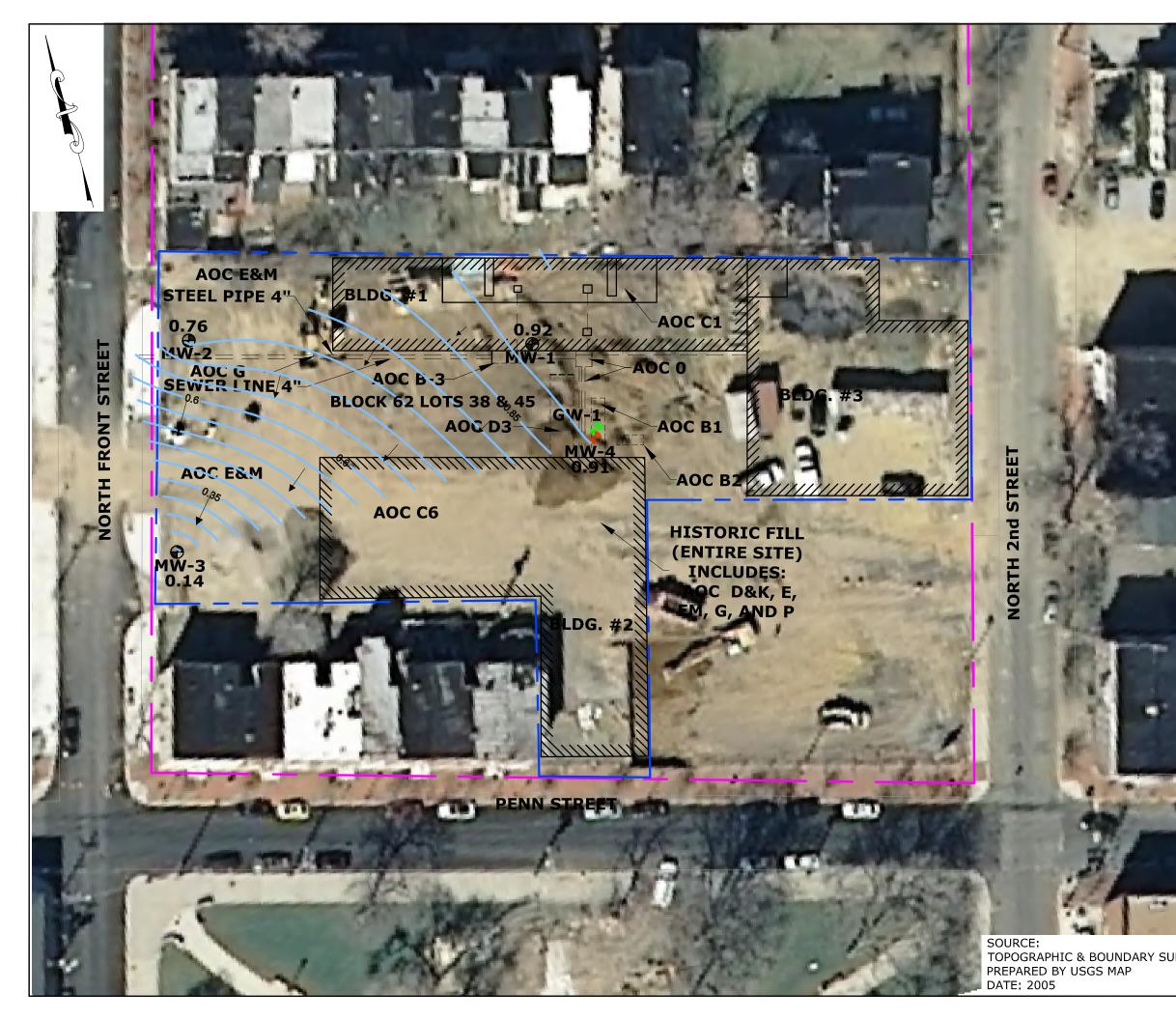
RECORD OF HISTORIC REMEDIAL ACTIVITIES (MARCH 2006)

AWING TITLE

		drawn by: PA	JOB NUMBER: Q:\Env\Env.Manage.Group\ 904—01 CRA—ABC Barrel Co RI—RAR
		CHECKED BY:	FILE:
i.		RG	Draft RAR/FIGURES
1		DATE:	DWG. NUMBER:
1		07/02/10	
	Dresdner Robin	SCALE:	
	Engineering - Environmental - Francing - Surveying - Lanoscape Architecture 371 WARREN STREET, JERSEY CITY, NEW JERSEY, 07302	AS SHOWN	-







	LEGEND					
	Block Boundary					
	Property Line					
	Former Building					
-	AOC Area of Concern					
Con It's	Ð	Existing Monitoring Well				
			onfirmation Monitoring Well,			
ales.	installed Oct. 2008					
-	-		Former Groundwater Screening Location, Sept. 9, 2007			
17		Inferred Line of Equal				
-			Ground Water Elevation			
-	(0.14) Ground Water Elevation					
-	(011)	(ft. amsl)				
		Approximate D		of		
	Groundwater Flow					
	No.:	AREA OF CONCERN DESCRIPTION	1000	TION		
	AOC B1	8,000- Gal. Diesel UST & Piping	LOCA NE Side of E			
	AOC B2	1,000-Gal. Fuel Oil UST & Piping	NE Side of E	3ldg. #2		
-	AOC B3 AOC C	1,000-Gal. Liquid Waste UST	Adjacent to	Bldg. 1		
	AOC C1	Caustic Wash Area/Pipe Run/	Inside Bldg.	#1		
Martin	AOC C2	Concrete Pit Area Drum Rinse Area /Pipe	Inside Bldg.	#1		
	AOC C3	Run/Sediments/Concrete Pit Area Drum Rinse Area /Concrete Pit Area	Inside Bldg.	#1		
	AOC C4	Caustic Wash Area /Sediments/ Inside Bldg. #1				
AOC C5		Concrete Pit Area Drum Rinse Area/Sediments/	Inside Bldg. #1			
12		Concrete Pit Area	-			
-	AOC C6 AOCs D & K	Pit Area	Inside Bldg. #2			
15	AOC D1 AOC D2	Loading/Off Loading Area Loading/Off Loading Area	-	ar 2nd Street		
11	AOC D3	Loading/Off Loading Area	Bldg. #1/Southwest side Bldg. #2 /adjacent to AOC B1			
	AOCs E & M	Drum Storage/Yard Area	Various loca of Bldg. #1			
	AOC G AOC I	Floor Drain/Trench/Piping	-	side of Bldg. #1		
-	AOC 0	Underground Piping Oil Water Separator & Assoc. Piping	South of Bld Yard adjace	nt to Bldg. #1		
	<i>AOC P</i> AOC P1	Elevator Pit	Bldg. #1/sou	uthwest side		
	AOC P2	Elevator Pit	Bldg. #1/nor	theast side		
	N/A	Historic Fill (see Note 1)	Entire Site (	0 to 12 ft. deep)		
	MW-4 Coordinates					
10	E 316939.521 N 407063.525					
		30 15 0		30		
	GRAPHIC SCALE					
16.24	ABC BARREL COMPANY SITE,					
-	CAMDEN REDEVELOPMENT AGENCY					
-		LEMENTARY REMEDIAL IN		<i>'</i>		
-	LOCATION:	ISTORIC REMEDIAL ACTI				
	CA	308-322 NORTH FRON MDEN,CAMDEN COUNTY				
-	CA	MDEN, CAMDEN COUNT	, NLV JL	.KJLI		
	DRAWING TITLE:					
	GROUNDWATER ELEVATION CONTOURS					
-	(OCTOBER 2008)					
		DRAW	N BY: PA	JOB NUMBER: Q:/Env.Manage.Group/B-904-03		
		CHEC	ED BY:	FILE:		
		SDNER ROBIN	RG	Draft RAR/Figures		
JRVEY	Engineering, En	vironmental, Planning and Surveying	07-08-10	n		
	371 WAPPEN	SCALL	AS SHOWN	フ		
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APPENDICES

#### **APPENDIX A**

NJDEP Correspondence

JON S. CORZINE

Governor

EHS ENVIRONMENTAL



State of Environmental Protection Division of Remetiation Management and Response Bureau of Southern Field Operations P.O. Box 407 Trenton, New Jersey 08625-0407 (609) 584-4150 (609) 584-4170 - Fax

April 6, 2006

Arijit De Camden Redevelopment Agency City Hall – Suite 1300 520 Market Street Camden, NJ 08101

Re: ABC Barrel Company (a.k.a. AABC O Steel Drum Site) Block: 62; Lots: 38 & 45 and Block: 65; Lot: 103 314-322 North Front Street, Camden City, Camden County, Case #: 95-09-14-1206-53; UST Registration #: 006594

Dear Mr. De:

The New Jersey Department of Environmental Protection (Department) has reviewed the February 10, 2006 Site Investigation Report (report) which was prepared by ENVision, Inc. and documented the remedial activities associated with the removal of the 8,000 gallon diesel underground storage tank (tank) which had previously been identified as area of concern areas AOC 1 - 8,000 Gallon Diesel Fuel Underground Storage Tank at the above noted site.

Based upon the information contained within the report, the Department would like to make the following comments:

Soils

- 1. A review of the post excavation soil analytical data obtained following removal of the tank indicated that total petroleum hydro: arbons and volatile organic compounds were detected below the soil cleanup criteria developed for this site. Therefore, additional soil remedial activities are not required at this time for this AOC.
- 2. A review of the report indicated that the soil analytical data referenced in the report was not submitted in an electronic format as required by Section 3.13 of N.J.A.C.7:26E. Therefore, please provide the electronic data disk for these samples.
- 3. The section 5.0 of the report indicated that the soil excavated during removal of the tank was stockpiled at the site. Please note that pursuant to N.J.A.C. 7:26-1.1, contaminated soils that are designated as non-hazardous may not be stockpiled for more than six (6) months, therefore, the stockpiled soils must be removed and properly disposed of from the site within 180 days of excavation unless a proposal to reuse the soils at the site, pursuant to

LISA P. JACKSON Commissioner

С

Section 6.2 of the Technical Requirements for Site Remediation the (N.J.A.C. 7:26E) is submitted to the Department for review and approval. Therefore, please advise the Department as to the fate of the stockpiled soils.

### **Ground Water**

A review of the report did not indicate if ground water was encountered in the tank excavation or was within two (2) feet of the tank excavation; and if ground water was encountered what visual observations were made if any. Therefore, please provide this information.

### **General Comment**

Since an Entire Site No Further Action (NPA) letter is desired and there continues to be several areas of concern at the above noted site that are still awaiting investigation and/or remediation, please be advised that the Department will not be issuing a formal NFA letter for AOC 1 - 8,000 Gallon Diesel Fuel Underground Storage Timk at this time.

If you have any questions concerning this matter, please contact me in writing at the above noted address or by telephone at (609) 584-4162.

Sincerely,

Charl Purt

Cheryl Priest, HSMS II Bureau of Southern Field Operations

ENVisions EHS Environmental Cooper Grant Developers Norma Santiago file #04-08-58

# EHS ENVIRONMENTAL, INC.

9 SOUTH MAIN STREET • MULLICA HILL, NJ • 08062 856-223-0080 FAX 856-223-0885

April 21, 2006

Ms. Cheryl Priest, HSMS II Bureau of Southern Field Operations NJ Department of Environmental Protection PO Box 407 Trenton, NJ 08625-0407

Re: ABC Barrel Company (a.k.a. AABCO Steel Drum Site) Block: 62; Lots: 38 & 45 and Block: 65; Lot: 103
314-322 North Front Street, Camden City, Camden County, Case #: 95-09-14-1206-53: UST Registration #: 006594

Dear Ms. Priest:

Enclosed please find copies of the disposal manifests as requested in your letter dated April 6, 2006. Envision is in the process of submitting the analytical data in an electronic format as required.

Also enclosed are the disposal manifests for the other areas of concern. This work was performed by React Environmental Professional Services Group, Inc. located at 6901 Kingsessing Avenue, Philadelphia, PA 19142 (Mr. Jon Buzan).

If you have any questions, please do not hesitate to contact me.

Sincerely,

Jack F. Carney Project Coordinator

# EHS ENVIRONMENTAL, INC.

9 SOUTH MAIN STREET • MULLICA HILL, NJ • 08062 856-223-0080 FAX 856-223-0885

June 20, 2006

Ms. Cheryl Priest NJ Department of Environmental Protection Division of Remediation Management and Response PO Box 407 Trenton, NJ 08625-0407

Re: ABC Barrel Company (a.k.a. AABCO Steel Drum Site)

Dear Ms. Priest:

Enclosed please find the soil analytical data in an electronic format as required by Section 3.13 of N.J.A.C.7:26E and referenced in your letter dated April 6, 2006.

If you have any questions, please do not hesitate to contact me

Sincerely,

Jack F. Carney

Cc: Charles Lewis, Pennrose Properties, LLC



# State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION Division of Remediation Management and Response Bureau of Southern Field Operations P.O. Box 407 Trenton, New Jersey 08625-0407 (609) 584-4150 (609) 584-4170 - Fax August 24, 2006

LISA P. JACKSON Commissioner

Arijit De Camden Redevelopment Agency City Hall – Suite 1300 520 Market Street Camden, NJ 08101

Re: ABC Barrel Company (a.k.a. AABCO Steel Drum Site) Block: 62; Lots: 38 & 45 and Block: 65; Lot: 103 314-322 North Front Street, Camden City, Camden County, Case #: 95-09-14-1206-53; UST Registration #: 006594

Dear Mr. De:

JON S. CORZINE

Governor

As a result of a new case manager being assigned to the site, a review of the information that was contained within the New Jersey Department of Environmental Protection (Department) file was conducted.

Based upon the information obtained from this file review, the Department would like to make comments on the following areas of concern (AOCs) that have been identified at the site:

# Block: 65; Lot: 103

Historic information on this block and lot indicate that it has always been utilized for residential purposes. Since visual observations and a magnetic survey of this block and lot failed to identify any evidence of discharges or other areas of concern, additional soil remedial activities are not required at this time for this block and lot.

# Block: 62; Lots: 38 & 45

# AOC A1 - Above Ground Waste Oil Tank

This AOC was located inside of Building #1 on a concrete floor. Since visual observations made of the tank indicated no evidence of a discharge and the concrete floor was in good condition with no evidence of cracks, additional soil remedial activities are not required at this time for this AOC.

# AOC A2 – Above Ground Water Treatment Tank

This AOC was located inside Building #1 near the yard area. Soil analytical data obtained from this AOC for Priority Pollutant + 40 (PP+40) total petroleum hydrocarbons (TPHC) and sodium indicate that compounds were detected below the Soil Cleanup Criteria. Since compounds were detected below the Soil Cleanup Criteria. Since compounds were this time for this AOC.

# AOC B1 - 8,000 Gallon Diesel Underground Storage Tank & Associated Piping

This AOC was located on the northeast side of Building #2. Soil analytical data obtained from this AOC for PP+40 and TPHC laboratory analysis indicate that TPHC was detected above the Soil Cleanup Criteria.

Since TPHC was detected in excess of the Soil Cleanup Criteria, the tank and associated contaminated soils were removed on February 2, 2005 which was documented in the February 10, 2006 Site Investigation Report (report) that was prepared by ENVision, Inc. The ENVision report indicated that post excavation soil analytical for VOs and TPHC were detected below the Soil Cleanup Criteria. Since compounds were detected below the Soil Cleanup Criteria additional soil remedial activities are not required at this time for this AOC.

Note: The Remington & Vernick Engineers reports listed the size of the tank as 10,000 gallons, however, the ENVision Report indicated that the tank had been previously registered as an 8,000-gallon tank.

# AOC B2 – 1,000 Gallon Fuel Oil Underground Storage Tank& Associated Piping This AOC was located adjacent to AOC B1 noted above on the northeast side of Building #2. The tank was reported to contain approximately six (6) inches of fuel oil at the time soil sampling was conducted. Soil analytical data obtained from this AOC for TPHC laboratory analysis indicate that TPHC was detected below the Soil Cleanup Criteria.

While the laboratory analysis indicates that TPHC was not detected in excess of the Soil Cleanup Criteria, the Department by letter dated June 3, 1999 indicated that it was unable to determine if additional remedial activities would be required until such time that the product/tank are properly removed.

To date, a report, detailing the remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOC B3 – 1,000 Gallon Liquid Waste Underground Storage Tank

This AOC was located adjacent to Building #1. Soil analytical data obtained from this AOC for PP+40, TPHC and sodium indicate that VOs, BNs, metals, TPHC and phenol were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

2

On April 25, 2006, the Department received copies of soil disposal receipts for this AOC from EHS Environmental, Inc. with a cover letter that indicated that remedial activities had been conducted at this AOC. However, to date, a report, detailing what remedial activities were conducted to address the contaminated soils that were identified at this AOC has not been submitted to the Department for review.

Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

## AOC C - Pits

# AOC C1 - Caustic Wash Area

This AOC was located in Building #1. Discharges from this area were to AOC B3 noted above via underground piping.

### Pipe Run Area

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that VOs were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# **Concrete** Pit Area

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that VOs were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this

# AOC C2 – Drum Rinse Area

This AOC was located in Building #1.

### Pipe Run

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that VOs were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# Sediments (in bottom of Pit)

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that BNs and metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# **Concrete** Pit Area

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that VOs were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOC C3 – Drum Rinse Area

This AOC was located in Building #1.

# **Concrete** Pit Area

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that BNs and metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOC C4 – Caustic Wash Area

This AOC was located adjacent AOC C1 above in Building #1.

# Sediments (in bottom of Pit)

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that VOs, BNs, metals and TPHC were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

### **Concrete** Pit Area

Soil analytical data obtained from this area for PP+40 and TPHC indicate that VOs, metals and TPHC were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

5

# AOC C5 – Drum Rinse Area

This AOC was located adjacent AOC C4 above in Building #1.

# Sediments (in bottom of Pit)

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that BNs and metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# **Concrete** Pit Area

Soil analytical data obtained from this area for PP+40 and TPHC laboratory analysis indicated that compounds were detected below the Soil Cleanup Criteria. Since compounds were detected below the Soil Cleanup Criteria additional soil remedial activities are not required at this time for this area.

# AOC CC - Pit Area

This AOC was located in Building #2.

Soil analytical data obtained from this area for PP+40 and TPHC indicate that, BNs and metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOCs D & K – Loading/Off Loading Areas **D-1**

This AOC was located at Building #1, adjacent to 2<sup>nd</sup> Street. Soil analytical data obtained from this AOC for PP+40 and TPHC laboratory analysis indicated that BNs were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# D-2

This AOC was located on the southwest side of Building #1. Soil analytical data obtained from this AOC for PP+40 and TPHC laboratory analysis indicated that BNs and metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

### **D-3**

This AOC was located at Building #2. The report indicated that a specific soil investigation was not conducted for this area since this area is adjacent to AOCs B1- E/M & O. Since this area is adjacent to AOCs B1- E/M & O, the Department will incorporate this area into AOCs B1- E/M & O. Therefore comments regarding this area are the same as those listed under AOCs B1- E/M & O.

# AOCs E & M – Drum Storage/Yard Area

This AOC exists at various locations throughout the site. Soil analytical data obtained from this AOC for PP+40, TPHC and pH laboratory analysis indicated that BNs, metals, pesticides and TPHC were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

On April 25, 2006, the Department received copies of soil disposal receipts for this AOC from EHS Environmental, Inc. with a cover letter that indicated that remedial activities had been conducted at this AOC. However, to date, a report, detailing what remedial activities were conducted to address the contaminated soils identified at this AOC has not been submitted to the Department for review.

Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOC F - Chemical Storage Cabinets/Closets

This AOC was located in Building #1. Since visual observations made of the floor beneath the cabinets/closets did not indicate evidence of any discharges and the concrete floor was in good condition with no evidence of cracks, additional soil remedial activities are not required at this time for this AOC.

# AOC G – Floor Drain/Trench/Piping

The report indicated that this AOC is associated with AOCs B-C & O. A trench was identified along the southeast side of Building #1 which contained a floor drain, a four (4) inch pipe that discharged to the sanitary sewer and parts of fifty-five (55) gallon drums which were all surrounded by a fibrous matting material.

### Floor Drain Area

Soil analytical data obtained from this AOC for PP+40, TPHC, pH and sodium laboratory analysis indicated that VOs, BNs, metals, TPHC and phenol were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# Piping Area

Soil analytical data obtained from this AOC for PP+40, TPHC, pH and sodium laboratory analysis indicated that metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# Trench Area/Matting Material Area

Soil analytical data obtained from this AOC for PP+40, TPHC, pH and sodium laboratory analysis indicate that BNs, metals, TPHC and phenol were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment. However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# AOC H – Roof Leaders

This AOC discharged to various locations throughout the site. Since the report indicated that all process discharges were not vented to the outside but remained inside the building and went directly into the sanitary sewer, additional soil remedial activities are not required at this time for this AOC.

# AOC I – Underground Piping

The report indicated that a specific soil investigation was not conducted for this AOC since it is associated with AOCs B-C-G & O. Since this AOC is associated with AOCs B-C-G & O, the Department will incorporate this AOC into AOCs B-C-G & O. Therefore comments regarding this AOC are the same as those listed under AOCs B-C-G & O.

# AOC J – Spill Area

This AOC was located on the east side of Building #1. Since visual observations made of the spill area indicates that it was to an imperious surface (concrete) that was in good condition with no evidence of cracks, additional soil remedial activities are not required at this time for this AOC.

# AOC L – Boiler Room

This AOC was located in Building # 2. Since visual observations made of the boiler room floor did indicate some staining but that the concrete floor was in good condition with no evidence of cracks, additional soil remedial activities are not required at this time for this AOC.

# AOC N - Paint Booth

The report indicated that this was mobile unit which was located inside Building # 1. The report also indicated that during painting activities, tarps were placed both under and around the booth to prevent any discharges. Since visual observations made of the concrete floor in Building #1 indicate that it was in good condition with no evidence of cracks, additional soil remedial activities are not required at this time for this AOC.

# AOC O - Oil Water Separator & Associated Piping

This AOC was located in the yard area adjacent to Building #1. Soil analytical data obtained from this AOC for PP+40, TPHC, pH and sodium laboratory analysis indicated that VOs, BNs, metals, TPHC and phenol were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report indicated that the contaminated soils must be addressed before site redevelopment.

On April 25, 2006, the Department received copies of soil disposal receipts for this AOC from EHS Environmental, Inc. with a cover letter that indicated that remedial activities had been conducted at this AOC. However, to date, a report, detailing what remedial activities were conducted to address the contaminated soils that were identified at this AOC has not been submitted to the Department for review.

Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

# **AOC P – Elevator Pits**

# **P1**

This AOC was located on the southwest side of Building #1. Soil analytical data obtained from this AOC for PP+40 and TPHC laboratory analysis indicated that metals were detected above the Soil Cleanup Criteria. Since compounds were detected in excess of the Soil Cleanup Criteria, additional remedial activities were proposed in the Remington & Vernick Engineers October 7, 2002 Remedial Investigation Report.

However, to date, a report, detailing the additional remedial activities that have been conducted at this AOC has not been submitted to the Department for review. Therefore, if no further action determination is desired for this AOC, please provide a remedial investigation/remedial action report pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E to this office for review.

### **P2**

This AOC was located northeast side of Building #1. Soil analytical data obtained from this AOC for PP+40 and TPHC laboratory analysis indicated that compounds were detected below the Soil Cleanup Criteria. Since compounds were detected below the Soil Cleanup Criteria additional soil remedial activities are not required at this time for this area.

# AOC Q – Lead Based Paint

# AOC R - Asbestos Containing Materials

Since these areas have already been remediated as part of the building demolition, the Department has no additional comments at this time.

# AOC S - Non-Contact Cooling Water Discharge Areas

The report indicated that this water discharged into the yard area. Therefore comments regarding this area are the same as those listed under AOC - E/M above.

### **Historic Fill**

The historic fill that has been identified throughout the entire site contains BN and metal compounds above the soil cleanup criteria.

Since BN and metal compounds were detected above the Soil Cleanup Criteria, the Department's November 19, 2002 letter, which indicated that "no additional actions or sampling is required with regard to the fill." was an inaccurate statement on the part of the previous case manager.

While additional sampling/delineation of the fill material <u>will not</u> be required, engineering and institutional controls <u>will be</u> required pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. Therefore, please prepare and submit a draft deed notice, pursuant to N.J.A.C. 7:26E-8.2, to this office for review.

### **Ground Water**

Since the February 10, 2006 Site Investigation Report (report) that was prepared by ENVision, Inc. indicated that ground water encountered during the removal of the 10,000 gallon underground storage tank and associated contaminated soils noted above, a ground water investigation, pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E must be conducted to demonstrate that ground water has not been adversely impacted by the discharge from the tank.

# **General Comment**

Some of the soil disposal receipts received on April 25, 2006 from EHS Environmental, Inc. were illegible; blank pages; or contained missing information (such the Generators Name and/or the tonnage of material disposed of). Therefore, please resubmit complete legible copies to this office for review.

Below is list of the disposal receipts that were complete/legible and therefore **do not** need to be re-submitted:

ID 100 (Log 10) - ID 350 (Log 11) - ID 308 (Log 12) - ID 440 (Log 24) - ID 100 (Log 34) ID 350 (Log 35) - ID 308 (Log 42) - ID 440 (Log 43) - ID 350 (Log 44) - ID 100 (Log 45) ID 308 (Log 47) - ID 440 (Log 49) - ID 350 (Log 55) - ID 308 (Log 59) - ID 100 (Log 60) ID 440 (Log 62) - ID 350 (Log 78) - ID 308 (Log 80) - ID 100 (Log 82) - ID 440 (Log 83) ID 350 (Log NR) - ID 308 (Log 98) - ID 100 (Log 101)

If you have any questions concerning this matter, please contact me in writing at the above noted address or by telephone at (609) 584-4162.

Sincerely,

Chul Prist

Cheryl Priest, HSMS II Bureau of Southern Field Operations

Penrose Properties Envision Environmental React Environmental EHS Environmental Camden County Health Department file # 04-08-58

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JON S. CORZINE

Governor

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856-223-0885



### State of New Jersey

DEPARTMENT OF ISNVIRONMENTAL PROTECTION Division of Remediation Management and Response Bureau of Southern Field Operations P.O. Box 407 Trenton, New Jersey 08625-0407 (609) 584-4150 (609) 584-4170 - Fax September 19, 2006

Jack Carney EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062

Re: Electronic Data Submittal for ABC Barrel Company (a.k.a. AABCO Steel Drum Site)
 Block: 62; Lots: 38 & 45 and Block: 65; Lot: 103
 314-322 North Front Street, Camden City, Camden County
 Case #: 95-09-14-1206-53; UST Registration #: 006594

Dear Mr. Carney:

The New Jersey Department of Environmental Protection (Department) has conducted an Electronic Data Submission Application (EDSA) administrative and completeness check reviewed on the electronic data diskette (diskette) submitted for the above noted Site on June 20, 2006.

Based upon this review, the Department has determined that the diskette is not in compliance with the requirements as outlined in the Site Remediation Program Electronic Data Interchange (EDI) Manual because the DTST file was not found.

Since review of the diskette can not continue, the diskette is being returned for correction. Therefore, please correct and resubmit the diskette to the Department.

If you have any questions regarding this matter:

- (a). please refer to the EDI Manual for guidance. This document can be accessed through the Department's Home Page, located at "http://www.state.nj.us/dep/srp" under the Regulations and Guidance topic; or
- (b). contact the Department's Bureau of Planning and Systems for assistance at (609) 633-1380.

If you have any other questions please contact me in writing at the above noted address or by telephone at (609) 584-4162.

Sincerely,

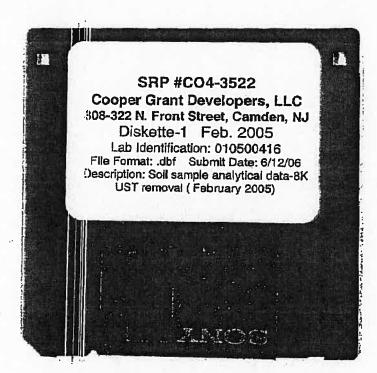
Chiel Prust

Cheryl Priest, HSMS II Bureau of Southern Field Operations

LISA P. JACKSON

Commissioner

# Sep 21 06 09:40a EHS ENVIRONMENTAL



LISA P. JACKSO

Commissioner



# State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

JON S. CORZINE Governor

Office of Brownfield Reuse 401 E. State St. 6<sup>th</sup> Fl PO Box 028 Trenton, NJ 08628 T: 609-292-1251 F: 609-777-1914

8 2007 

Norma Santiago City of Camden 1<sup>st</sup> Floor, Room 109, City Hall Camden, NJ 08103-5120

Re:

Hazardous Discharge Site Remediation Fund (HDSRF) Application
Applicant: Camden Redevelopment Agency
Site Name: ABC Barrel Company Site (a.k.a. AABCO Steel Drum Site) 314-322 North Front Street
City of Camden, Camden County

Dear Ms. Santiago:

The New Jersey Department of Environmental Protection (NJDEP) has completed its review of the additional funding request to perform Remedial Investigation (RI) and Remedial Action (RA) at the subject site. Based on the review, the NJDEP finds the proposal for RI technically eligible for funding, however, the proposal for RA is not at this time.

Please be advised, in order to be eligible for RA funding, one of the following four conditions must be met:

1. The property will be used for recreation/preservation/conservation purpose,

2. The property will be used to build affordable housing,

3. The site will be remediated to meet the unrestricted or limited restricted use cleanup standards, and

4. An innovative technology will be applied.

Since the subject application does not meet any of the above conditions at this time, the RA funding can not be awarded.

Therefore, the NJDEP is recommending that the New Jersey Economic Development Authority (NJEDA) obligate funds in the amount of \$20,951.15 for the proposed SI work, which includes the NJDEP oversight fees in the amount of \$1,904.65.

The NJDEP also advises that the approved cost for the RI be disbursed and a check in the amount of \$19.046.50 be issued to the Camden Redevelopment Agency (CRA) upon closing of the grant.

Please be advised that the estimated NJDEP oversight costs for this grant approval will not be disbursed to the CRA. Therefore, when CRA receives any NJDEP oversight invoices related to this project, please forward them to this Office for processing.

Please also be advised that the NJEDA application fees (\$500.00) is an ineligible cost under the HDSRF. Therefore, please send the payment directly to:

# Lisa Petrizzi NJEDA PO Box 990 Trenton, NJ 08625

If you have any questions regarding this letter, please feel free to contact me at 609-633-0753.

Sincerely,

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Yang Cao, HDSRF Coordinator Office of Brownfields Reuse

c. Geoffrey R. Forrest, Dresdner Robin (433 Market St, Suite 203, Camden, NJ 08102) Cheryl Priest, Case Manager/NJDEP (BFO-S) File



# State of New Jersey

Department of Environmental Protection Bureau of Southern Field Operations Horizon Center P.O. Box 407 Treaton, NJ 08625-0407 Phone #: 609-584-4150 Fax #: 609-584-4170

Lisa P. Jackson Commissioner

August 11, 2008

James Harveson Camden Development Agency City Hall, 520 Market Street Suite 1300, P.O. Box 95120 Camden, NJ 08101

# Remedial Investigation/Remedial Action Workplan Approval

Re: Remedial Investigation/Remedial Action Workplan ABC Barrel Company (a.k.a. North Front St Associates) 308 to 322 North Front Street Camden, Camden County SRP PI#: 006594 EA ID #: SUB080001 BFO File Number: 04-08-58

### Dear Mr. Harveson:

The New Jersey Department of Environmental Protection (Department) has completed review of the July 10, 2008 Remedial Investigation/Remedial Action Workplan (workplan) received on July 11, 2008. The Department has determined that the Workplan is in compliance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E and other applicable requirements. The Department hereby approves the Workplan, effective the date of this letter.

Pursuant to the schedule applicable to the site you shall submit a Remedial Investigation/Action Report on January 30, 2009. Please submit the document by that date, or submit a written request for an extension at least 2 weeks prior to the due date. Failure to submit the Remedial Investigation/Action Report in accordance with the schedule may result in the initiation of enforcement action. For your convenience, the regulations concerning the Department's remediation requirements can be found at <u>http://www.state.nj.us/dep/srp/regs/</u>.

Thank you for your cooperation in this matter. If you have any questions, call Cheryl Priest at (609) 584-4162.

Sincerely,

George King, Bureau Chief Bureau of Southern Field Operations

Jon S. Corzine

c:

BFO File Number: 04-08-58 Dresdner Robin NJDEP- Bureau of Contract & Fund Management Clerk, Camden City Camden County Health Department



# State of New Jersey

Department of Environmental Protection Bureau of Southern Field Operations 401 East State Street P.O. Box 407 Trenton, NJ 08625-0407 Phone #: 609-633-1475 Fax #: 609-984-6004 **D** 1 1 4

FEB 0 5 RECD

Bob Martin Acting Commissioner

February 1, 2010

Saundra Ross Johnson, Executive Director Camden Redevelopment Agency 520 Market Street, Suite 1300 Camden, NJ 08101

### Approval

Re: Ground Water Remedial Investigation Report ABC Barrel Company Site (a.k.a. North Front St Associates) 308 - 322 North Front Street Camden City, Camden County SRP PI#: 006594-EA ID #: SUB100001 BFO File Number: 04-08-58

### Dear Ms. Johnson:

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Chris Christie

Governor

The New Jersey Department of Environmental Protection (Department) has completed review of the Ground Water Remedial Investigation Report received on March 5, 2009. The Department has determined that the Ground Water Remedial Investigation Report is in compliance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E and other applicable requirements. The Department hereby approves the Ground Water Remedial Investigation Report, effective the date of this letter.

Pursuant to the schedule applicable to the site you shall submit a Soil Remedial Action Report on July 12, 2010. Please submit the document by that date, or submit a written request for an extension at least 2 weeks prior to the due date. Failure to submit the Soil Remedial Action Report in accordance with the schedule may result in the initiation of enforcement action. For your convenience, the regulations concerning the Department's remediation requirements can be found at <u>http://www.state.nj.us/dep/srp/regs/</u>.

Thank you for your cooperation in this matter. If you have any questions, call Cheryl Priest at (609) 292-2723.

Sincerely, William le u

William H. Dunfee, Section Chief Bureau of Southern Field Operations

c: Dresdner Robin BFO File # 04-08-58 Clerk, Camden City Camden County Health Department

# **APPENDIX B**

USEPA Pollution Report (Nov.29, 2000)



# Container Recyclers Site

# City of Camden, Camden County, New Jersey

This Superfund Fact Sheet provides the latest information on the U.S. Environmental Protection Agency's (EPA) planned activities for the Container Recyclers Superfund Site. The primary purpose of this Fact Sheet is to alert local residents and officials as to the activity they may observe on and near the Site during the upcoming weeks.

# SITE BACKGROUND and PLANNED ACTIVITIES

The Container Recyclers Site is located at 308-322 North Front Street in Camden, New Jersey. The facility was owned and operated by the Standard Tank & Seat Company from 1945 until 1975, at which time the property was sold to Martin Aaron and Morris Silverman. During the time of Morris and Silverman's ownership, the property was utilized for the recycling of drums. The property was subsequently purchased by North Front Associates in 1983. It is believed that drum recycling operations were continued during North Front's ownership of the property through 1996 at which time the property was foreclosed upon by the City of Camden. The facility has since been abandoned, and although fenced and boarded-up, is frequented by vagrants and other trespassers.

At the request of the EPA Brownfields Coordinator for the City of Camden, EPA has evaluated the Site to determine the appropriateness of conducting a Comprehensive, Environmental Response, Compensation and Liability (CERCLA) removal action at the Container Recyclers Site. EPA's evaluation of the Site has confirmed that a CERCLA removal action is warranted. The removal action is scheduled to begin on or about July 7, 2000 and should be completed within 4-6 weeks. Removal activities will include the excavation and off-site disposal of lead contaminated surface soils, the removal and off-site disposal of all drums and containers, and the removal and off-site disposal of the contents of one underground storage.

# FURTHER INFORMATION

Questions or concerns regarding the Site should be directed to the EPA Brownfields Coordinator for the City of Camden, Alison Devine, at (856) 968-4778.

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# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION II EDISON, NEW JERSEY 08837

# FACT SHEET

The Container Recyclers Site is located at 308-322 North Front Street in the City of Camden, Camden County, New Jersey. The Site consists of two abandoned production buildings and an unpaved courtyard/parking area. The Site is situated in a densely populated neighborhood with a day care center, public library, and the Rutgers University student dormitories within 200 feet of the Site.

The Site was owned and operated by the Standard Tank & Seat Company from 1945 thru 1975, at which time the Site was sold to Martin Aaron and Morris Silverman who then utilized the property for the recycling of drums. Aaron and Silverman continued drum recycling operations thru 1983 at which time the property was purchased by North Front Associates which continued utilizing the property for drum recyling operations for an undetermined period of time. The property was foreclosed upon by the City of Camden in 1996.

In response to the potential redevelopment of the Site for residential housing, EPA's Brownfields Coordinator for the City of Camden requested that a Removal Site Evaluation (RSE) be performed by EPA's requested that a Removal Site Evaluation (RSE) be performed by EPA's analysis of soil samples from the courtyard/parking lot which analysis of soil samples from the courtyard/parking lot which is a listed hazardous substance as defined by Section 101(14) of the Comprehensive Environmental Response, Compensation and Recovery Act (CERCLA). In addition to the lead contaminated soils, the RSE identified an UST containing waste oil, and numerous drums within the two buildings. As such, it was determined that the Site posed an imminent and substantial danger and met the criteria for a CERCLA Removal Action as described in Section 300.415(b)(2) of the National Contingency Plan.

Upon authorization of CERCLA funding, RAB initiated a removal action on June 29, 2000. The action included the excavation and off-site disposal of surface (<2') soils with a lead concentration >400 ppm, the consolidation and off-site disposal off all drums and their contents, and the excavation and off-site disposal of the UST and its contents. The removal action was completed on September 22,2000.

Subsequent to EPA's completion of the above described removal action, the on-site buildings were demolished by the City of Camden in preparation for the Site's future redevelopment.



Roy F. Weston, Inc. Federal Programs Division Suite 201 1090 King Georges Post Road Edison, New Jersey 08837-3703 732-225-6116 • Fax 732-225-7037

REMOVAL SUPPORT TEAM EPA CONTRACT 68-W-00-113

July 25, 2000

Mr.Don Graham U.S. Environmental Protection Agency Response and Prevention Branch 2890 Woodbridge Avenue Edison, NJ 08837

EPA CONTRACT NO: 68-W5-0019 TDD NO: 02-00-07-0004 DOCUMENT CONTROL NO: START-02-T-04509 SUBJECT: SAMPLING TRIP REPORT - CONTAINER RECYCLERS, CAMDEN, NJ

Dear Mr. Graham:

Enclosed please find the Sampling Trip Report for the July 18, 2000 XRF soil sampling and screening event at Containers Recyclers site located at Camden, Camden County, NJ.

If you have any questions, please do not hesitate to call me at (732) 225-6116.

Very truly yours,

ì,

ROY F. WESTON, INC.

Michael Garibaldi Project Manager

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- Texas

Enclosure

cc: TDD File Joseph M. Soroka, QAO

START Region II

### SAMPLING TRIP REPORT

SITE NAME:

Container Recyclers TDD # : 02-00-07-0004 DCN # : START-02-F-04509

EPA I.D. NO.:

SAMPLING DATES:

July 18, 2000

Record form for details (Attachment B).

 SITE LOCATION: Intersection of Pearl, Front, and Second Streets, Camden, Camden County, New Jersey
 SAMPLE LOCATIONS: Refer to Table 1 and the Site Map (Attachment A).
 SAMPLE DESCRIPTIONS: Soil samples (Table 1). Refer to Chain of Custody

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# 4. LABORATORY RECEIVING SAMPLES:

STL, Inc. 10 Hazelwood Drive Amherst, New York 14228 Lab Contact: Candice Fox Phone: 716-691-2600

### 5. SAMPLE DISPATCH DATA:

On July 18, 2000 START personnel conducted an XRF screening event for post excavation floor and wall soil samples. Using the Spectrace 9000 X-Ray Flourescence (XRF) Spectrophotometer, post excavation soil samples were collected and screened for lead. The XRF calibration procedure was performed within allowable ranges. A total of twenty-seven (27) soil samples were screened for lead. Following the screening process, eight (8) post excavation soil samples were shipped by START- EPA Region II personnel to STL, Inc. laboratory located at 10 Hazelwood Drive Amherst, New York for Total Lead analysis.

### 6. ON-SITE PERSONNEL:

Name	Affiliation	Duties on site
Michael Garibaldi	START	Field Coordinator, Sampler, and Sample Management
Joseph Soroka	START	XRF Operation, Sample QA/QC

START Region II

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Sample Number TIME/DATE	TIME/DATE	Description
B1-2	1050 7/18/00	Post-excavation grab surface floor soil sample/ see grid B1-2
B3-1	1100 7/18/00	Post-excavation grab surface floor soil sample/ see grid B3-1
B3-4	1110 7/18/00	Post-excavation grab surface floor soil sample/ see grid B3-4
B3-4 MS/MSD	1110 7/18/00	Post-excavation grab surface floor soil sample Matrix Spike/ see grid B3-4
B3-5	1115 7/18/00	Post-excavation grab surface floor soil sample/ see grid B3-5
B3-6	1120 7/18/00	Post-excavation grab surface floor soil sample/ see grid B3-6
B3-3-12	1310 7/18/00	Post-excavation grab floor soil sample @ 12 inch depth / see grid B3-12
N-PE-1	1330 7/18/00	Post-excavation grab surface floor soil sample / see grid N-PE-1
P6	1400 7/18/00	Post-excavation grab surface wall soil sample/ see wall location P6
XRF screening		All locations ( see attached table)
results		

START Region II

# ADDITIONAL COMMENTS:

All sample locations were selected by the OSC for XRF field screening. Upon review of the XRF soil screening results, the EPA-OSC decided to excavate an additional 12 inches of soil from grids B1-2, B3-2, and B3-4. The OSC requested laboratory analysis for Total Lead for selected soil samples.

Soil samples were sent to the STL, Inc. in Amherst, New York for Total Lead analysis.

# 8. **REPORT PREPARED BY:**

Date:\_\_\_\_\_

Michael Garibaldi START P.M.

### 9. **REPORT REVIEWED BY:**

Joseph M. Soroka QA/QC officer

START Region II

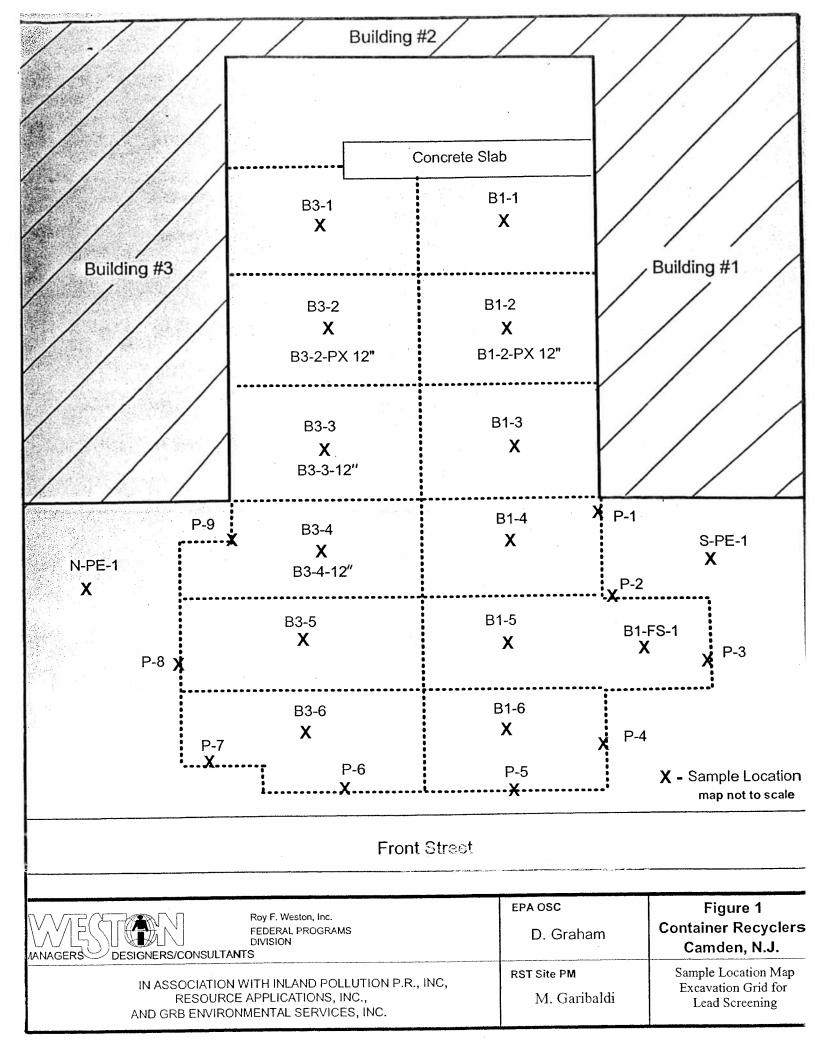
Date:\_\_\_\_\_

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Attachment C X R F Screening Results

START Region II



# CONTAINER RECYCLER CAMDEN, NEW JERSEY XRF SCREENING RESULTS

<u>30/15/15</u>	Lead-Pb (ppm)	30/15/15	<u>Lead- Pb (ppm)</u>
B3-5 X	408	B3-5REP	443
B3-4 X	2850	B3-5DUP	419
B3-3	212	B3-6 X	373
B1-3	212	B3-1 X	-14
B1-6	686	B1-2 X	1402
B3-2	2720	B1-FS-1	345
P-6 X	772	P-5	859
B1-4	783	B1-1	662
P-1	1268	P-2	784
<b>P-3</b>	243	P-4	350
P-4 REP	345	P-7	536
<b>P-9</b>	325	B1-5	515
B1-5 REP	532	B3-3-12" X	-3.4
B3-3-12" DUP	-2.4	B3-4-12"	23
B3-4-12" DUP	0.9	S-PE-1	439
S-PE-1 REP	517	N-PE-1 X	172
N-PE-1	168	B3-4-PX	3.0
B1-2-PX	404	B3-2-PX	-13

Field Screening performed using a Spectrace 9000 XRF detector for lead using cadmium, iron, and americium @ 30,15,15 sec.intervals. X - Laboratory Analysis for lead

# OTHER ANALYTES WORK TABLE

# Project: Container Recyclers Site

	000			SAMPLE #		NCENTRA			<u>''</u>	IIO3	
	Matrix:	SOIL		SOIL	İ	SOIL		SOIL		SOIL	
otal Metals	Client ID:	B1-2		B3-1		B3-3-12		B3-4		B3-5	
	Lab ID:	AD011610		ADO11611		ADO11615	1	ADO11612		AD011613	
ercent Solids		99.7		99.1		99.2		99.3		99.6	
vilution Factor	IDL	1.0		1.0		1.0		10.0		1.0	
				• ,		7.4	J	14800	J	2240	J
cade	0.6	2880	J	11.4	J	7.4	<u>J</u>	14000			
					. •						
											. •
				1000			ī			1	
	Matrix:	SOIL		SOIL		SOIL					
Fotal Metals	Client ID:	B3-6		N-PE-1	;	P6					
	Lab ID:	ADO11614		ADO11616		AD011617					
Percent Solids	1	94.7		99.1	1	98.3					
		1.0		1.0		1.0				1	
	IDL										
Dilution Factor				257	J	1030	J	······			

### Inorganic Qualifiers

**IDL - Instrument Detection Limit** 

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)

and the contract required detection limit (CRDL)

R - rejected compound

NA - not applicable

<b>CONTAINER RECYCLERS</b>	<b>CAMDEN, NEW JERSEY</b>	TABLE 1. SAMPLE DESCRIPTIONS
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Sample Number	TIME/DATE	Description
B1-2	1050 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid B1-2
B3-1	1100 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid B3-1
B3-4	1110 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid B3-4
B3-4 MS/MSD	1110 7/18/00	Post-excavation grab floor soil sample @ 2' depth Matrix Spike/ see grid B3-5
B3-5	1115 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid B3-5
B3-6	1120 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid B3-6
B3-3-12	1310 7/18/00	Post-excavation grab floor soil sample $@ 2'$ depth + 12 inches/ see grid B3-12
N-PE-1	1330 7/18/00	Post-excavation grab floor soil sample @ 2' depth/ see grid N-PE-1
P6	1400 7/18/00	Post-excavation grab wall soil sample $\textcircled{0}$ 2' depth/ see wall location P6

START Region II

# U.S. Environmental Protection Agency **Pollution Report**

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# Heading

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Date: Subject:

To:

From:

Container Recyclers Site, City of Camden, Camden County, New Jersey Donald R. Graham, On-Scene Coordinator R. Salkie, EPA J. Rotola, EPA G. Zachos, EPA D. Karlen, EPA B. Bellow, EPA T. Johnson, EPA A. Devine, EPA B. Dease, EPA R. Byrnes, 20IG J. Smolenski, DEP A. Raddant, DOI **START** Two (2) and Final

November 29, 2000

Polrep No.:

#### Background II

Site No.:	MW
Contract No.:	68-S2-99-07
Delivery Order No.:	0017
NPL Status:	Non-NPL
Action Memo:	04/14/00
	06/29/00 (Change in Scope)
Start Date:	06/29/00
Completion Date:	09/22/00

#### **Site Information** III

Incident Description A.

Abandoned Drum Recycler

#### B. <u>Site Description</u>

The Container Recyclers Site is located at 308-322 North Front Street in the City of Camden, Camden County, New Jersey. The Site includes a large multilevel structure at the rear of the Site with an unpaved courtyard/parking area in the front of the Site bordering North Front Street. Although fenced, the Site is frequented by vagrants and other trespassers.

The Site was operated as a toilet manufacturing facility until 1975 at which time ownership of the property was transferred to Martin Aaron and Morris Silverman who utilized the facility for the recycling of drums. In 1983 ownership of the property was transferred to North Front Associates who also utilized the property for the recycling of drums. The Site was foreclosed upon by the City of Camden in1996.

The Site was referred for CERCLA Removal Action consideration through EPA's Brownfields Program. The referral was based upon the presence of numerous drums within the building, and soil contamination in the courtyard/parking area. EPA's Removal Site Evaluation confirmed the Site's eligibility for CERCLA removal action funding based upon the potential release of hazardous substances from the drums, and the elevated concentrations of lead present in the courtyard surface soils.

#### **IV** Response Information

#### A. <u>Situation</u>

1. Current Situation

Upon completing all removal activities within the scope of the Action Memorandum, the Emergency and Rapid Response Services (ERRS) contractor was demobilized from the Site on September 22, 2000.

2. Removal Actions to Date

Upon completing the initial phase of Site operations, ERRS demobilized on July 19, 2000 to coordinate the off-site disposal of all secured waste (ie. soil, drums).

ERRS remobilized on August 22, 2000 to complete the off-site shipment of all drummed waste.

ERRS was remobilized on September 19, 2000 to complete the shipment of contaminated soils, and Site restoration activities. Upon completion of these activities, ERRS was demobilized on September 22, 2000.

## B. <u>Planned Removal Actions</u>

All removal activities within the scope of the Action Memorandum have been completed. No other removal actions are anticipated at this time.

C. Key Issues

**Disposition of Waste** 

None at this time.

#### V Cost Information

ERRS Costs to Date START Costs to Date EPA Costs to Date Total	5 5 5 5 5	68,000 6,000 <u>6,000</u> 80,000
Project Ceiling Remaining Project Ceiling	\$	300,000 73.3 %

The above accounting of expenditures is an estimate based on figures known to the On-Scene Coordinator at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the government may include in any cost recovery claim.

# VI

Wastestream	Volume	Disposal	Facility
Non-Haz Soil (Pb)	750 tons	: 09/20/00	Gross Landfill (CWM)
Non-Haz Debris (empty drums)	20 cubic yards	07/17/00	BFI Landfill (CycleChem)
Drummed Haz-Waste (D001,D002)	60 gallons	08/22/00	Chemtron Avon, OH
Drummed Non-Haz Waste	75 gallons	08/22/00	Chemtron Avon, OH

#### U.S. Environmental Protection Agency Pollution Report

#### Heading

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Date: Subject:

From:

To:

Container Recyclers Site,
City of Camden, Camden County, New Jersey
Donald R. Graham,
On-Scene Coordinator
R. Salkie, EPA
J. Rotola, EPA
G. Zachos, EPA
D. Karlen, EPA
B. Bellow, EPA
T. Johnson, EPA
A. Devine, EPA
B. Dease, EPA
R. Byrnes, 20IG
J. Smolenski, DEP
A. Raddant, DOI
START
One (1)

July 28, 2000

Polrep No.: One

# 

#### Background

MW
68-S2-99-07
0017
Non-NPL
04/14/00
06/29/00 (Change in Scope)
06/29/00
N/A

#### **III** Site Information

#### A. Incident Description

Abandoned Drum Recycler

#### B. <u>Site Description</u>

The Container Recyclers Site is located at 308-322 North Front Street in the City of Camden, Camden County, New Jersey. The Site includes a large multilevel structure at the rear of the Site with an unpaved courtyard/parking area in the front of the Site bordering



North Front Street. Although fenced, the Site is frequented by vagrants and other trespassers.

The Site was operated as a toilet manufacturing facility until 1975 at which time ownership of the property was transferred to Martin Aaron and Morris Silverman who utilized the facility for the recycling of drums. In 1983 ownership of the property was transferred to North Front Associates who also utilized the property for the recycling of drums. The Site was foreclosed upon by the City of Camden in1996.

The Site was referred for CERCLA Removal Action consideration by EPA's Brownfields Pilot Manager for the City of Camden. The referral was based upon the presence of numerous drums within the building, and soil contamination in the courtyard/parking area. EPA's Removal Site Evaluation confirmed the Site's eligibility for CERCLA removal action funding based upon the potential release of hazardous substances from the drums, and the elevated concentations of lead present in the courtyard surface soils.

- **IV** Response Information
- A. <u>Situation</u>
- 1. Current Situation

The Emergency and Rapid Response Services (ERRS) contractor has completed drum stabilization and soil excavation operations. ERRS has been demobilized pending transportation and disposal (T&D) coordination of the stockpiled soils and drummed hazardous materials.

2. Removal Actions to Date

ERRS mobilized to the Site on July 7<sup>th</sup> to initiate the required removal activities. Upon completing these activities, as described below, ERRS secured the Site and demobilized on July 19<sup>th</sup>.

- \* All drums and containers (approximately 400) were transferred from the building to the courtyard area where they were crushed for disposal. The crushed drums were shipped off-site for disposal as non-hazardous debris on July 17<sup>th</sup>.
- \* Approximately 150 gallons of material were generated from the consolidation of the drums. This material was bulked into five (5) separate groups based upon on-site Hazcat analyses. Samples for each hazard class have been collected and submitted for disposal analyses. The drummed materials are presently staged in a secure area awaiting T&D coordination.
- \* Lead contaminated surface soil: (<24") in the courtyard/parking area were excavated and stockpiled pending T&D coordination. Although post-excavation sampling has identified residual lead contamination in excess of the 400 ppm cleanup goal; backfilling of the excavated area will result in the capping of residual contamination, thereby eliminating any immediate human health concerns.

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## B. <u>Planned Removal Actions</u>

ERRS will remobilize once T&D coordination for the drums and stockpiled soils have been arranged. Upon completing T&D operations, the excavated area will be backfilled and ERRS will be demobilized.

#### C. <u>Key Issues</u>

None at this time.

#### V Cost Information

ERRS Costs to Date	\$	25,000
START Costs to Date	\$	5,000
EPA Costs to Date	<u>\$</u>	5,000
Total	\$	35,000
Project Ceiling Remaining Project Ceiling	\$	300,000 88.4 %
Kemanning i fojeet eening		001110

The above accounting of expenditures is an estimate based on figures known to the On-Scene Coordinator at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the government may include in any cost recovery claim.

#### VI Disposition of Waste

Wastestream	Volume	Disposal	Facility
Non-Haz Soil (Pb)	600 tons	Landfill	TBD
Non-Haz Debris (empty drums)	20 cubic yards	Landfill	CycleChem/BFI
TBD (drummed waste)	150 gallons	TBD	TBD

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 2 290 BROADWAY NEW YORK, NY 10007-1866

# JUN 2 9 2000

#### **ACTION MEMORANDUM**

DATE:

**SUBJECT**: Request for a Change in the Scope of Response for a Removal Action at the Container Recyclers Site, City of Camden, Camden County, New Jersey

FROM: Donald R. Graham, On-Scene Coordinator Removal Action Section

tor

JR

TO:

**THRU:** 

Richard C. Salkie, Chief Removal Action Branch

Richard L. Caspe, Director

Emergency and Remedial Response Division

Site ID: MW

#### I. PURPOSE AND EXECUTIVE SUMMARY

The purpose of this Action Memorandum is to request and document approval for a change in the scope of response activities to be completed as part of the removal action described herein for the Container Recyclers (a.k.a. ABC Drum) Site (Site) located in the City of Camden, Camden County, New Jersey.

Soils at the Site are contaminated with lead which has been defined as a hazardous substance under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Site continues to meet the criteria for a CERCLA removal action as described in Section 300.15(b)(2) of the National Contingency Plan (NCP). The lead contaminated soils continue to pose a substantial threat to persons frequenting the Site and, unless adequately remediated by authorizing the required change in scope, will continue to pose a threat when the Site is developed for residential housing as proposed. Sufficient funds to mitigate the threat

#### **ACTION MEMORANDUM**

- DATE: JUN 2 9 2000
- SUBJECT: Request for a Change in the Scope of Response for a Removal Action at the Container Recyclers Site, City of Camden, Camden County, New Jersey
- **FROM:** Donald R. Graham, On-Scene Coordinator Removal Action Section
- TO: Richard L. Caspe, Director Emergency and Remedial Response Division
- THRU: Richard C. Salkie, Chief Removal Action Branch

Site ID: MW

## I. PURPOSE AND EXECUTIVE SUMMARY

The purpose of this Action Memorandum is to request and document approval for a change in the scope of response activities to be completed as part of the removal action described herein for the

	Feedback Contraction	CONCURRENCES		
Nature Contai	ner Recycles INT: sb	Date: 06/19/00 Filensme: AM	[#0189	
	ERRD-RAB ERRD RAB	ERRD-RAG OR-NJSUP ERRD-DD	ERRD-D	
Symbol	Calada Part	Salkie Karlen Michel	Caspe	
Surname	Foraliant The former	Chief Stark 1/29	Ruy	
·	6/20/00/6/01/0	E/21/00 6/2000 0101	42-9	

posed by lead contaminated soils at the Site have already been authorized, and no additional funding will be required to complete the change in scope of removal activities requested herein.

The Site is not on the National Priorities List (NPL) and there are no nationally significant or precedent-setting issues associated with this removal action.

# II. SITE CONDITIONS AND BACKGROUND

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

## III. THREAT TO PUBLIC HEALTH, OR WELFARE, OR THE ENVIRONMENT AND STATUTORY AND REGULATORY AUTHORITIES

The conditions at the Site continue to meet the criteria for a CERCLA removal action as described in 40 CFR 300.415(b)(2) of the NCP. Factors that support a change in scope of response activities include:

# (i) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, or pollutants, or contaminants;

The concentration of lead in surface soils poses a potential public health threat. This threat, unless mitigated by implementing the proposed change in scope, will be increased greatly when the Site is developed for residential housing as currently proposed.

For additional information, refer to the April 14, 2000 Action Memorandum included as Appendix A to this document.

#### IV. ENDANGERMENT DETERMINATION

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

## V. PROPOSED ACTIONS AND ESTIMATED COSTS

The action selected in the April 14, 2000 Action Memorandum authorized the excavation and offsite disposal of lead contaminated soils utilizing a cleanup goal of 1,000 ppm. The proposed change in scope would authorize the excavation and off-site disposal of soils utilizing a lead cleanup goal of 400 ppm. The new cleanup goal would be protective of human health in a residential setting which is consistent with the proposed use of the Site. The increased activities resulting from the proposed change in scope can be completed within the current approved project ceiling.

For additional information, refer to the April 14, 2000 Action Memorandum included as Attachment A to this document.



## VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

#### VII. OUTSTANDING POLICY ISSUES

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

#### VIII. ENFORCEMENT

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

#### IX. RECOMMENDATIONS

This decision document represents the selected removal action for the Container Recyclers Site in the City of Camden, Camden County, New Jersey. This document was developed in accordance with CERCLA, as amended, and is not inconsistent with the NCP. This decision is based on the administrative record for the Site.

Conditions at the Site continue to meet the NCP Section 300.415(b)(2) criteria and I recommend your approval of the change in scope of response activities as indicated. Specifically, I' recommend that existing funds be utilized to obtain a cleanup goal of 400 ppm for lead contaminated soils with no increase to in the total project ceiling.

Please indicate your approval and authorization of funding, as per current Delegation of Authority, by signing below.

Approval:

Richard L. Caspe, Director Emergency and Remedial Response Division

Date: <u>6/29</u>

Disapproval: \_

Date: \_\_\_\_\_

Richard L. Casper, Director Emergency and Remedial Response Division

cc: (after approval is obtained)
R. Caspe, ERRD-D
W. McCabe, ERRD-DD
R. Salkie, ERRD-RAB *J.* Rotola, ERRD-RAB
B. Dease, ERRD-RPB
G. Zachos, ACSM/O
B. Bellow, EPD

D. Karlen, OR-NJSUP R. Gherardi, OPM-FIN K. Weaver, OPM-FIN T. Johnson, 5202G J. Smolenski, MJDEP--G. Wheaton, NOAA A. Raddant, DOI O. Douglas, START

# ACTION MEMORANDUM

DATE:

13

**SUBJECT:** Request for a Change in the Scope of Response for a Removal Action at the Container Recyclers Site, City of Camden, Camden County, New Jersey

**FROM:** Donald R. Graham, On-Scene Coordinator Removal Action Section

**TO:** Richard L. Caspe, Director Emergency and Remedial Response Division

THRU: Richard C. Salkie, Chief Removal Action Branch

Site ID: MW

# 1. PURPOSE AND EXECUTIVE SUMMARY

The purpose of this Action Memorandum is to request and document approval for a change in the scope of response activities to be completed as part of the removal action described herein for the

	CONCURREN	
Name: Container Recycles INT: sb		Thenathou AMICO
TRDD PAR ERTORA	ERRD-RAB OR-NJSUP	ERRD-DD FRRD-D
Symbol ERRD-Top	Salkie Karlen	McCabe Caspe
Surname Granau 11/2/16	Rent	
e 6/20/00/6/01/	- <del>1/21//Ct</del>	

Container Recyclers (a.k.a. ABC Drum) Site (Site) located in the City of Camden, Camden County, New Jersey.

Soils at the Site are contaminated with lead which has been defined as a hazardous substance under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Site continues to meet the criteria for a CERCLA removal action as described in Section 300.15(b)(2) of the National Contingency Plan (NCP). The lead contaminated soils continue to pose a substantial threat to persons frequenting the Site and, unless adequately remediated by authorizing the required change in scope, will continue to pose a threat when the Site is developed for residential housing as proposed. Sufficient funds to mitigate the threat posed by lead contaminated soils at the Site have already been authorized, and no additional funding will be required to complete the change in scope of removal activities requested herein.

The Site is not on the National Priorities List (NPL) and there are no nationally significant or precedent-setting issues associated with this removal action.

# II. SITE CONDITIONS AND BACKGROUND

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

# III. THREAT TO PUBLIC HEALTH, OR WELFARE, OR THE ENVIRONMENT AND STATUTORY AND REGULATORY AUTHORITIES

The conditions at the Site continue to meet the criteria for a CERCLA removal action as described in 40 CFR 300.415(b)(2) of the NCP. Factors that support a change in scope of response activities include:

# (i) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, or pollutants, or contaminants;

The concentration of lead in surface soils poses a potential public health threat. This threat, unless mitigated by implementing the proposed change in scope, will be increased greatly when the Site is developed for residential housing as currently proposed.

For additional information, refer to the April 14, 2000 Action Memorandum included as Appendix A to this document.

## IV. ENDANGERMENT DETERMINATION

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

# V. PROPOSED ACTIONS AND ESTIMATED COSTS

The action selected in the April 14, 2000 Action Memorandum authorized the excavation and offsite disposal of lead contaminated soils utilizing a cleanup goal of 1,000 ppm. The proposed change in scope would authorize the excavation and off-site disposal of soils utilizing a lead cleanup goal of 400 ppm. The new cleanup goal would be protective of human health in a residential setting which is consistent with the proposed use of the Site. The increased activities resulting from the proposed change in scope can be completed within the current approved project ceiling.

For additional information, refer to the April 14, 2000 Action Memorandum included as Attachment A to this document.

# VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

## VII. OUTSTANDING POLICY ISSUES

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

#### VIII. ENFORCEMENT

Refer to the April 14, 2000 Action Memorandum attached as Appendix A to this document.

#### IX. RECOMMENDATIONS

This decision document represents the selected removal action for the Container Recyclers Site in the City of Camden, Camden County, New Jersey. This document was developed in accordance with CERCLA, as amended, and is not inconsistent with the NCP. This decision is based on the administrative record for the Site.

Conditions at the Site continue to meet the NCP Section 300.415(b)(2) criteria and I recommend your approval of the change in scope of response activities as indicated. Specifically, I recommend that existing funds be utilized to obtain a cleanup goal of 400 ppm for lead contaminated soils with no increase to in the total project ceiling.

4

Please indicate your approval and authorization of funding, as per current Delegation of Authority, by signing below.

Approval:	
TAPP* * · · · ·	

Date: \_\_\_\_\_

Richard L. Caspe, Director Emergency and Remedial Response Division

Emergency and Remedial Response Division

Disapproval: \_\_\_\_\_\_ Richard L. Casper, Director Date: \_\_\_\_\_

(after approval is obtained) cc: R. Caspe, ERRD-D W. McCabe, ERRD-DD R. Salkie, ERRD-RAB J. Rotola, ERRD-RAB B. Dease, ERRD-RPB G. Zachos, ACSM/O B. Bellow, EPD D. Karlen, OR-NJSUP R. Gherardi, OPM-FIN K. Weaver, OPM-FIN T. Johnson, 5202G J. Smolenski, NJDEP G. Wheaton, NOAA A. Raddant, DOI O. Douglas, START



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APPENDIX A

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2 2890 WOODBRIDGE AVENUE EDISON, NEW JERSEY 08837

#### ACTION MEMORANDUM

DATE: 2 4 MAR 2000

- SUBJECT: Request for a Removal Action at the Container Recyclers Site, City of Camden, Camden County, New Jersey
- FROM: Donald R. Graham, On-Scene Coordinator Removal Action Section

Richard L. Caspe, Director Emergency and Remedial Response Division

TO:

THRU:

Richard C. Salkie, Chief Removal Action Branch

Site ID: MW

# I. PURPOSE AND EXECUTIVE SUMMARY

The purpose of this Action Memorandum is to request and document approval of the removal action described herein for the Container Recyclers (a.k.a. ABC Drum) Site (Site) located in the City of Camden, Camden County, New Jersey.

1

Soils at the Site are contaminated with lead which has been defined as a hazardous substance under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and as such, the Site meets the criteria for a CERCLA removal action as described in Section 300.415(b)(2) of the National Contingency Plan (NCP). The Site poses an imminent and substantial danger to the health of persons frequenting the Site who could come into direct contact with the hazardous substance. The funding necessary to mitigate the threats associated with the Site is \$300,000, of which \$180,000 is from the Regional removal allowance.

The Site is not on the National Priorities List (NPL) and there are no nationally significant or precedent-setting issues associated with this removal action.

# II. SITE CONDITIONS AND BACKGROUND

The Comprehensive Environmental Response, Compensation and Liability Information System ID number for this time-critical removal action is NJD980764310.

#### A. <u>Site Description</u>

# 1. Removal Site Evaluation (RSE)

A Removal Site Evaluation (RSE) was requested by the U.S. Environmental Protection Agency (EPA) Brownfields Coordinator for the City of Camden in response to potential redevelopment of the Site for residential housing.

The Site was owned and operated by the Standard Tank & Seat Company from 1945 until 1975, at which time the property was sold to Martin Aaron and Morris Silverman. Upon transfer of the property to Aaron and Silverman, the property was utilized for the recycling of drums. Drum recycling operations continued during the time of Aaron and Silverman's ownership thru 1983, at which time the property was sold to North Front Associates. It is believed that drum recycling operations continued for an undetermined period of time after North Front's purchase of the property. The Site was foreclosed upon by the City of Camden in 1996. The abandoned Site is fenced, but is frequented by vagrants and other trespassers likely to come into contact with elevated concentrations of lead which have been identified in surface soils at the Site.

Surface soil samples (0-6") were collected on a 25 foot grid throughout the unpaved areas of the Site, and have confirmed elevated concentrations of lead at the surface. The lead contaminated area of the Site to be addressed as part of the removal action described herein, has an average concentration of 2,100 ppm and a maximum concentration of 7,900 ppm. In addition to the contaminated surface soils, numerous drums were found inside the former manufacturing building.

While most of the drums were found to be empty, a small number of drums were inaccessible and could not be fully evaluated to determine their contents. The City of Camden's environmental consultant has confirmed the presence of three underground storage tanks (USTs). Two of the USTs are empty, and the third contains approximately 100 gallons of waste oil.

Based on the aforementioned findings and the fact that the Site is readily accessible to the public, EPA has determined that the Site is eligible for CERCLA removal action funding.

## 2. Physical location

The Site is located at 308-322 North Front Street, otherwise known as Block 62, Lots 38, 45 and 103 on the tax map of the City of Camden, Camden County, New Jersey. The Site is situated in a densely populated neighborhood with a day care center, public library, and the Rutgers University student dormitories within 200 feet of the Site.

### 3. Site characteristics

An abandoned multilevel manufacturing building is located at the rear of the Site. An unpaved courtyard/parking area are in the front of the Site bordering North Front Street.

# 4. Release or threatened release into the environment of a hazardous substance, or pollutant, or contaminant

Analyses of surfaces soil samples collected during the RSE have confirmed the release of lead which is a listed hazardous substance as defined by Section 101(14) of CERCLA. There remains the potential for future off-site releases via the migration of contaminants through erosion and/or wind dispersion. The contents of the UST, and possibly some of the drums, may be released into the environment.

# 5. National Priorities List (NPL) Status

The Site is not on the NPL.

# 6. Maps, pictures and other graphic representations

See Appendix B.

## B. Other Actions To Date

#### 1. Previous actions

To date, the EPA has not taken any mitigative action at this Site.

#### 2. Current actions

EPA has completed its RSE and will initiate a response action as described herein upon the authorization of the required funding. Upon completion of these actions, any remaining environmental considerations should be addressed through the City of Camden's Brownfields redevelopment program.

C. State and Local Authorities' Role

# 1. State and local actions to date

The City of Camden has completed a Phase I Site investigation which included the excavation of test-pits in 1997. At that time, the contents of two of the three USTs were removed and disposed of as a health and safety precaution.

2.

# Potential for continued State/local response

State and local government agencies are financially incapable of undertaking a timely response action to eliminate the threats posed by the Site as described herein. Any additional environmental remediation work should be addressed through the City's Brownfields redevelopment program.

# III. THREAT TO PUBLIC HEALTH, OR WELFARE, OR THE ENVIRONMENT AND STATUTORY AND REGULATORY AUTHORITIES

# A. Statutory and Regulatory Authorities

The conditions at the Site meet the criteria for a CERCLA removal action as described in 40 CFR 300.415(b)(2) of the NCP. Factors that support conducting a removal action at the Site include:

# (i) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, or pollutants, or contaminants;

The concentration of lead in surface soils pose a potential public health threat to children who may frequent the Site.



# (iii) Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;

Any hazardous substances within the drums and UST may be released into the environment unless addressed in a timely manner.

# (iv) High levels of hazardous substances, or pollutants, or contaminants in soils largely at or near the surface, that may migrate; and

Lead concentrations up to 7,900 ppm have been identified in surface soils. The lead may migrate due to weather conditions or intrusive activities.

# (vii) The availability of other appropriate federal or State response mechanisms to respond to the release.

The Site was initially identified by the City of Camden. However, due to the lack of funding, the Site was referred for CERCLA removal action consideration by EPA's Brownfield's Coordinator on behalf of the City of Camden.

# B. Threats to the Public Health or Welfare

Analytical results indicate that lead is present in site surface soils at concentrations that can endanger public health. This substance as defined by Section 101(14) of CERCLA is listed in Table 302.4 of CFR Part 302 of the NCP.

The numerous drums at the Site are believed to be empty. However, the contents of all drums could not be confirmed and the potential release of any contents remaining in the drums may further threaten public health. Also, due to its unknown integrity, the contents of the UST have the potential for a release.

The Site is not secure and poses a health threat to persons who may come in direct contact with the hazardous substances described above.

### C. Threats to the Environment

The concentration of lead in the soil is significant, and the contents of the UST and drums are at risk for a release. Any migration of lead contaminated soils or the contents of the UST and drums will further impact the environment.

#### ENDANGERMENT DETERMINATION IV.

Actual or threatened releases of hazardous substances from the Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.

#### PROPOSED ACTIONS AND ESTIMATED COSTS V.

#### **Proposed Actions** A.

#### Proposed action description 1.

Based on available data, it has been determined that lead is the contaminant of concern and will therefore dictate what extent of soil removal will be necessary. The action selected to mitigate threats posed by the contaminated soils present at the Site include the excavation and off-site disposal of soils with a concentration greater than 1,000 ppm. The excavation will proceed to a maximum depth of 24", and it is anticipated that the excavation will encompass approximately 20% of the unpaved area of the Site. (see Appendix A) Once the contaminated soils have been excavated, they will be loaded for transport to an appropriate off-site disposal facility. A postexcavation soil sampling plan will be implemented to verify that excavation activities were effective in removing the hazardous substances. All excavated areas will be backfilled and restored to pre-removal conditions.

In addition to addressing contaminated soils at the Site, EPA will inventory all drums on-site to ensure that any remaining contents are characterized and disposed of off-site as required. The contents of the UST will also be characterized and disposed of appropriately.

#### Contribution to remedial performance 2.

Although no long-term cleanup of the Site by EPA is anticipated, the removal activities requested herein would be compatible with any cleanup planned for the Site.

#### Description of alternative technologies 3.

EPA has conducted numerous removal actions at other sites which exhibit similar conditions to those at the Container Recyclers Site. Evaluation of the following treatment alternatives was undertaken for these other removal actions, with "Excavation and Off-Site Disposal" being selected as the most suitable:

- Insitu vitrification of comaminated soils;
- Post-excavation vitrification of contaminated soils with the potential of resource recovery;
- Soil washing; and
- Excavation and Off-Site Disposal.

The selection of Excavation and Off-Site Disposal provides a permanent remedy by removing hazardous substances which constitute a threat to public health and the environment. Furthermore, the proposed method meets the two objectives of the alternative technology policy:

- 1) Timely response and protection of human health and the environment; and
- Timely response and protection of numar neural and any
   The alternative selection criteria of effectiveness, implementability and cost.

# 4. Engineering evaluation/cost analysis (EE/CA)

Due to the time-critical nature of this removal action, an EE/CA will not be prepared.

# 5. Applicable or relevant and appropriate requirements (ARARs)

ARARs within the scope of this removal action, which pertain to the excavation, transportation and disposal of hazardous waste, will be attained to the extent practicable. The federal ARAR, which may be applicable to this removal action, is the Resource Conservation and Recovery Act.

## 6. Project Schedule

The proposed action can be initiated once funding has been allocated. All required removal activities are expected to be completed within six weeks of implementation.



#### B. Estimated Costs

A summary of the funding to be approved for this action is presented below. The figures have been rounded from the detailed cost estimate, which is based on EPA's Removal Cost Management System and presented in Appendix B to this document.

#### Extramural Costs:

ERRS Cleanup Contractor Costs: 20% Contingency:	\$150,000 \$30,000
Subtotal (Regional Allowance Costs)	\$180,000
Total START Costs	\$ 50,000
TOTAL, EXTRAMURAL COSTS	\$230,000

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#### Intramural Costs:

Direct Costs:	1	\$ 25,000
		\$ 25,000
Indirect Costs:		\$ 10,000
20% Contingency	,	
TOTAL, INTRAMURAL COSTS		\$ 60,000
DEMONAL PROJECT CELLING	;	\$290,000
TOTAL, REMOVAL PROJECT CEILING	1	\$300,000
TOTAL (ROUNDED)	ļ	<b>-</b> ,

# VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Should no action be taken, or the planned action delayed, the risk to the public health will be increased through prolonged exposure to contaminated soil. Hazardous substances could migrate beyond the current limits of contamination, increasing the health threat to adjacent areas and also increasing the overall cost of the required removal action.

# VII. OUTSTANDING POLICY ISSUES

No known outstanding policy issues associated with the Site.

#### VIII. ENFORCEMENT

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Based on information available at the time of this writing, EPA is unaware of any viable PRPs who would be prepared to conduct the required removal activities in a timely manner. However, additional information obtained during EPA's ongoing enforcement effort may result in the issuance of Notice/104 Letters to one or more PRPs. EPA will issue Notice/104 letters to the site owner/operators prior to initiating this action. EPA's enforcement efforts will also include a review of the NJDEP's files with the intent of developing a potential client list which will be evaluated to determine the appropriateness of issuing additional Notice/104 Letters prior to initiating the required response action.

#### RECOMMENDATIONS IX.

This decision document represents the selected removal action for the Container Recyclers Site in the City of Camden, Camden County, New Jersey. This document was developed in accordance with CERCLA, as amended, and is not inconsistent with the NCP. This decision is based on the administrative record for the Site.

Conditions at the Site meet the NCP Section 300.415(b)(2) criteria and I recommend your approval of the proposed removal action. The total project ceiling for this removal action, if approved, will be \$300,000. Sufficient funding is available in the current Advice of Allowance to finance the project as described in Section V of this document.

Please indicate your approval and authorization of funding, as per current Delegation of Authority, by signing below.

Approval: <u>Approval</u>: <u>Approval: <u>Approval</u>: <u>Approval</u>: <u>Approval</u>: <u>Approval: <u>Approval</u>: <u>Approval: Approval: <u>Approval: Approval: Approval: <u>Approval: Approval: Appro</u></u></u></u></u>

Emergency and Remedial Response Division

Date: \_4/14/00

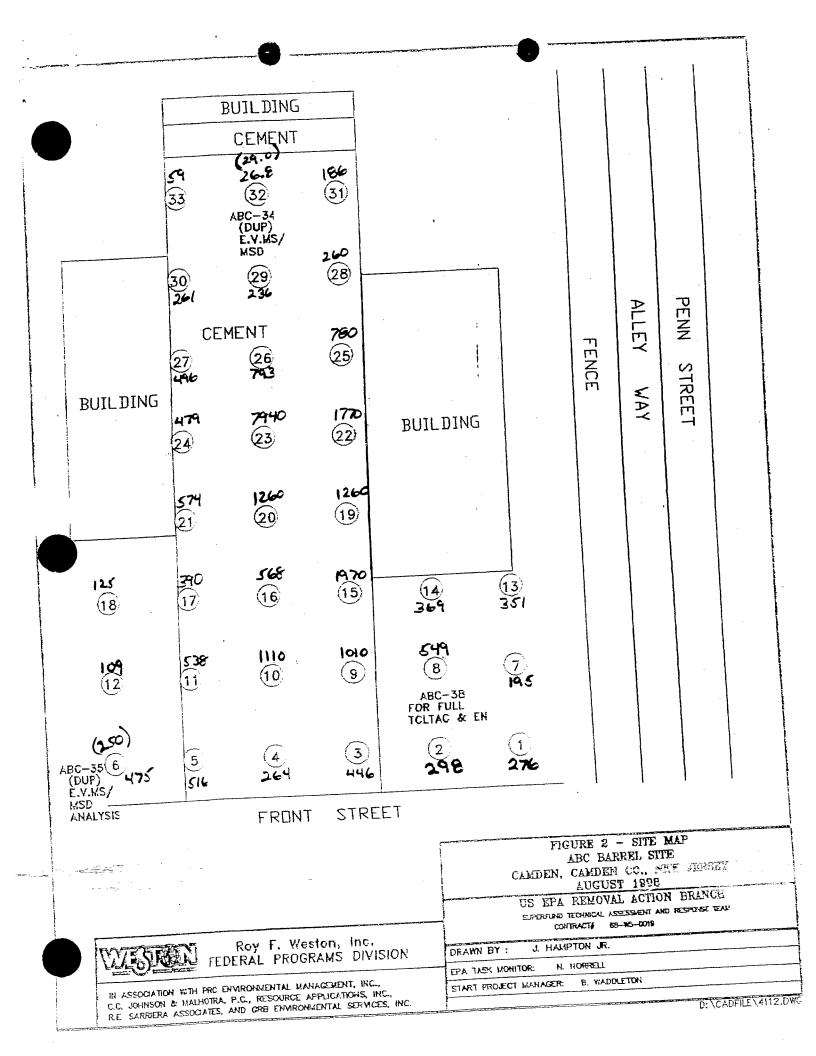
**Disapproval:** Richard L. Casper, Director Date:

cc:

(after approval is obtained) R. Caspe, ERRD-D W. McCabe, ERRD-DD R. Salkie, ERRD-RAB J. Rotola, ERRD-RAB B. Dease, ERRD-RPB G. Zachos, ACSM/O B. Bellow, EPD D. Karlen, OR-NJSUP R. Gherardi, OPM-FIN K. Weaver, OPM-FIN T. Johnson, 5202G J. Smolenski, NJDEP G. Wheaton, NOAA A. Raddant, DOI O. Douglas, START

APPENDIX A

# MAPS



# **APPENDIX C**

Site Investigation Report (8,000-Ga Diesel UST Closure) (ENVision, Inc., Feb. 10, 2006)

#### SITE INVESTIGATION REPORT COOPER GRANT DEVELOPERS, LLC 308-322 N. FRONT STREET CAMDEN CITY, CAMDEN COUNTY, NEW JERSEY NJDEP TMS #: C03-3522 NJDEP FACILITY ID #: 006594

February 10, 2006

Prepared for: COOPER GRANT DEVELOPERS C/O PENNROSE PROPERTIES, LLC ONE BREWERY PLACE 1301 N. 31<sup>ST</sup> STREET PHILADELPHIA, PA 19121 and EHS ENVIRONMENTAL, INC. 9 South Main Street Mullica Hill, New Jersey 08062

#### SITE INVESTIGATION REPORT COOPER GRANT DEVELOPERS, LLC FORMER AABCO STEEL DRUM, INC. FACILITY 308-322 N. FRONT STREET CAMDEN CITY, CAMDEN COUNTY, NEW JERSEY NJDEP TMS #: C03-3522 NJDEP FACILITY ID #: 006594

February 10, 2006

**Prepared** for:

COOPER GRANT DEVELOPERS, LLC PENNROSE PROPERTIES, LLC One Brewery Park 1301 N. 31<sup>st</sup> Street Philadelphia, PA 19121 Prepared by:

RAYMOND P. DUCHAINE, P.G. Principal Hydrogeologist – ENVision, Inc. NJ Subsurface Evaluator #0010209

#### Prepared and Reviewed by:

Jack Carney, President EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062

#### **EXECUTIVE SUMMARY**

Pennrose Properties, LLC ("Pennrose") acting on behalf of Cooper Grant Developers, LLC retained EHS Environmental, Inc. ("EHS") to coordinate and provide professional oversight for the removal of a regulated underground storage tank ("UST") at a site located at 308 to 322 North Front Street in the City of Camden, Camden County, New Jersey. The property is a former drum reconditioning facility that is schedule for future residential development. The site development process was initiated by demolishing the existing buildings, after which the regulated UST that is the subject of this report was excavated and removed from the property.

Significant accomplishments and findings associated with the UST removal effort include:

- The removal of one 8,000-gallon registered diesel UST from the site.
- Slightly elevated photo ionization detector readings were recorded from selected soil samples collected subsequent to UST removal.
- Odors were qualitatively detected from the excavation during tank removal and in selected post-removal soil samples.
- Post-removal soil samples indicate that no targeted analytes are present in soil beneath the site at concentrations in excess of current Soil Cleanup Criteria established by the New Jersey Department of Environmental Protection.

On the basis of these findings, no further action is recommended for this site.

### **TABLE OF CONTENTS**

<u>Section</u>	<u>Title</u> EXECUTIVE SUMMARY	<u>Page</u> i
	TABLE OF CONTENTS	ü
	CERTIFICATIONS	iv
1.0 INT	RODUCTION	1
2.0 SIT	<b>'E DESCRIPTION AND BACKGROUND</b>	2
2.1	Site Location and Setting	2 2 2
2.2	Area Geology and Hydrogeology	2
2.3	Site History	2
3.0 SIT	E EVALUATION METHODS	4
3.1	Investigative Program Overview	4
3.2	UST System Decommissioning	4
3.3	UST Removal Oversight and Soil Sampling	5
3.4	Project Quality Assurance and Quality Control	6
3.5	Project Health and Safety Procedures	6
4.0 INV	'ESTIGATIVE FINDINGS	7
4.1	Condition of USTs and Ancillary Equipment	7
4.2	Soil Quality	7
	4.2.1 Qualitative Soil Quality	7
	4.2.3 Quantitative Soil Quality	8
5.0 COI	NCLUSIONS AND RECOMMENDATIONS	10
5.1	AOC-1: UST-1	10
5.2	Cost of Site Investigation	11
	TABLES	

# Area of Concern Supplemental Analytical Parameters

Table 2	Supplemental Analytical Parameters	5
Table 3	Soil Sample Head Space Measurements	7
Table 4	Soil Sample Analytical Data	9

#### **FIGURES**

4

Figure 1	Site Location
Figure 2	Underground Storage Tank Location
m	

Figure 3 UST-1: Soil Sample Summary

Table 1

<u>SI Report</u> NJDEP TMS #C03-3522 NJDEP Facility ID #006594

#### **APPENDICES**

APPENDIX A NJDEP Closure-Notice of Intent Form (Underground Storage Tank System) APPENDIX B Tank Removal Documentation

• Bills of Lading

• Tank Destruction Receipt

APPENDIX C Analytical Data and Chain of Custody

Site Remediation Program

# **UST Site/Remedial Investigation Report Certification Form**

A. Facility Name : XMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
Municipality: <u>Camden</u> County: <u>Camden</u>								
Block: <u>62</u> Lot(s): <u>38 and 45</u> Telephone Number: <u>Not Applicable (site vacant)</u>								
<b>B.</b> Owner (RP)'s Name: <u>Pennrose</u>	B. Owner (RP)'s Name: Pennrose Properties LLC							
Street Address: <u>One Brewery Park, 1301 North 31<sup>st</sup> Street</u> City: <u>Philadelphia</u>								
State: Pennsylvania Zip: 19121 Telephone Number: 267-386-8600								
<b>C.</b> (Check as appropriate)	C. (Check as appropriate) D. (Complete all that apply)							
Site Investigation	Assigned Case Manager: <u>Mike Tompkins</u>							
Report (SIR) \$500 Fee	• UST Registration Number: <u>006594 (</u> 7 digits)							
Remedial Investigation Report (RIR) \$1000 Fee								
	• Tank Closure Number <u>C04-3522</u> C9 C9 (7 characters)							
E. Certification by the Subsurface Evaluator: The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E								
Name: Raymond P. Duchaine	Signature: Mummil P. AutoriuST Cert. No.: 0010209							
Firm: ENVISION, INC.	Firm's UST Cert. Number: <u>US00328</u>							
Firm Address: <u>130 Hickman Road</u>	(Suite 26) City: <u>Claymont</u>							
State: Delaware Zip: 19	Total         Telephone Number : <u>302-791-9939</u>							
(NOTE: Certification numbers req	uired only if work was conducted on USTs regulated per N.J.S.A. 58:10A-21 et seq.)							
<ul> <li>F. Certification by the Responsible Party(ies) of the Facility: </li> <li>The following certification shall be signed [according to the requirements of N.J.A.C. 7:14B-1.7(b)]as follows:</li> <li>1. For a Corporation by a person authorized by a resolution of the board of directors to sign the document. A copy of the resolution, certified as a true copy by the secretary of the corporation, shall be submitted along with the certification; or</li> <li>2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or</li> <li>3. For a municipality, State, federal or other public agency by either a principal executive officer or ranking elected Official.</li> </ul>								
"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."								
Name (Print or Type):	Charles Lewis Title: Vice President							
Signature:Mhins								
Company Name: Pennrose Properties, LLC / Cooper Grant Developers 2/13/06								

#### **1.0 INTRODUCTION**

EHS Environmental, Inc. ("EHS") was retained by Pennrose Properties, LLC ("Penrose") on behalf of Cooper Grant Developers, LLC to coordinate and provide professional oversight for the removal of an underground storage tank ("UST") at a site located at 308-322 North Front Street in Camden, Camden County, New Jersey. The site was previously occupied by AABCO Steel Drum Company. In October, 2003 the City of Camden Redevelopment Authority initiated site development by demolishing site buildings on the property.

During its initial assessment of the property for Pennrose EHS identified one regulated UST at the site. The UST had been previously registered as an 8,000-gallon medium diesel fuel tank. Work on this project was conducted under the NJDEP UST closure permit TMS #: C04-3522 (Appendix A).

The information presented in the following sections has been provided to comply with the requirements for a Site Investigation ("SI") report as detailed in N.J.A.C. 7:26E-3.13. Historical and background information associated with the site is summarized in Section 2.0. Methods and results of the SI are presented in Section 3.0 and 4.0, respectively. Section 5.0 presents conclusions and recommendations based on the results of the investigation. Appendices to this document include closure-related notification forms and documentation, analytical data, and disposal documentation. In accordance with current NJDEP policy, an electronic data submittal does not accompany this document due to the exemption for samples collected as part of a one-time sampling event.

#### 2.0 SITE DESCRIPTION AND BACKGROUND

#### 2.1 Site Location and Setting

The subject site is located in the northwestern section of the City of Camden in Camden County, New Jersey. The property is located on the east side of Front Street north of the intersection of Front Street and Penn Street (Figure 1). The site is roughly rectangular in shape with the exception of a small parcel on the south side of the site that intersects Penn Street.

#### 2.2 Area Geology and Hydrogeology

The site is situated within the Atlantic Coastal Plain physiographic province, a regional, southeastdipping wedge of unconsolidated clastic sediments. Geologic mapping of the site area indicates that the site is underlain by the Potomac Formation.

Local topography and background information indicates that the prevailing direction of regional surface drainage and groundwater flow would most likely be to the west/ southwest toward the Delaware River. The Delaware River is located approximately one-quarter mile from the site (Figure 1).

#### 2.3 Site History

Block 65, Lot 103 has historically been the site of a residential dwelling or a vacant lot. Block 62, Lots 38 & 45 have historically been utilized for industrial/manufacturing purposes since at least 1885. The site was last occupied by AABCO Steel Drum, Inc., a facility that reconditioned steel drums up until approximately 1996. The site buildings were demolished in 2002-2003 by the City of Camden, NJ. In 2005 the building foundations and slabs were removed along with the underground tank on behalf of Pennrose Properties, LLC who intends to develop the site.

Remington & Vernick Engineers, on behalf of the City of Camden, completed a Preliminary Assessment/Site Investigation (PA/SI) (Case #95-09-14-1206-53). On December 18, 1996 the PA was submitted to the NJDEP, Division of Responsible Party Site Remediation for review. Based upon a review of the PA by the NJDEP-Site Remediation Program, the SI was performed to investigate the AOC's identified in the PA report.

On June 3, 1999, the SI was submitted to the NJDEP-Site Remediation Program for review. Based on review of the SI, additional information was requested. A revised SI dated June 25, 1999 was submitted for review to the NJDEP-Site Remediation Program. The revised SI identified several AOC's with contaminant concentrations above NJDEP Soil Clean-up Criteria and Groundwater Quality Criteria.

AABCO Steel Drum, Inc.'s reconditioning process consisted of cleaning and painting open-ended drums. A 3% to 4% caustic soda wash, rinse, and steam dry was used to clean the drums. Once the drums were clean, they were painted using a black water base, fast air drying hood. All reconditioning processes were performed indoors. According to available records, the facility only accepted drums that could be cleaned using a caustic soda process. These drums contained substances such as hydraulic oil, food, juices, soap and low viscosity fluids. Drums which required cleaning by other methods such as thermal processes or chemical or solvent treatments were set aside and then sent to other drum reconditioning facilities. Hazardous wastes were generated at the facility. They consisted of residual oil wastes from the drums and rinse water associated with the drum washing process. As oil drums were delivered to the facility, any residual material was drained into a collection drum. Later, a waste oil tank allegedly replaced the collection drum. The accumulated material was removed within 90 days by a licensed hazardous waste hauler.

The caustic soda rinse water associated with the drum washing process discharged into the sanitary sewer system. Prior to reaching the sanitary system, the effluent passed through a concrete, subsurface oil and water separator. Sludge settled to the bottom and oils floated to the top. The liquid in the center was released to the sanitary sewer. A pretreatment tank was allegedly installed to treat the effluent (by raising the pH) prior to the effluent's discharge into the oil and water separator.

#### 3.3 UST Removal Oversight and Soil Sampling

During the removal of the USTs, EHS inspected the tank and excavated spoils while ENVISION documented subsurface conditions (NJDEP Subsurface Evaluator Certification #US00328). The inspection consisted of the periodic collection of excavated soil for evidence of odors and/or staining, evaluation of the excavation for staining and/or free phase hydrocarbon, physical inspection of the removed UST, and the collection of discrete soil samples for field and laboratory analysis. Soil samples were field analyzed for volatile organic content using a RAE<sup>™</sup> Classic photo ionization detector ("PID") that was calibrated to 100 parts per million ("ppm") of isobutylene in air.

ENVISION collected soil samples for laboratory analysis from the UST excavation following tank removal. Soil samples were collected in accordance with requirements stipulated in N.J.A.C. 7:26E-6.3. Five soil samples were collected along the bottom of the excavation.

Soil samples were obtained directly from the excavation using the excavator bucket; the samples were collected manually from the bucket using dedicated, nitrile gloves. All soil samples were submitted to EMSL Laboratories ("EMSL") of Westmont, New Jersey, a NJDEP-certified analytical laboratory (certification #04653) on February 7, 2005. In accordance with the provisions of Table 2-1 of N.J.A.C. 7:26E-2.1(d), these samples were submitted for analysis of total petroleum hydrocarbons ("TPHC") by EPA Method 418.1. Upon receipt of the TPHC results, the samples were analyzed for additional parameters. These additional analyses, as stipulated by N.J.A.C. 7:26E-2.1(d), are outlined in Table 2.

# TABLE 2Supplemental Analytical Parameters

AOC	VOCs +10	SVOCs + 15	PP-Metals	PCBs
UST-1	✓			

Soil samples collected for VOC analysis were field preserved in accordance with EPA Method 5035 "Closed-System Purge and Trap And Extraction For Volatile Organics In Soil and Waste Samples".

# 3.0 SITE EVALUATION METHODS

## 3.1 Investigative Program Overview

The SI program consisted of the excavation and removal of one UST and investigation of subsurface conditions within the Area of Concern ("AOC"). The AOC has been identified as follows:

AOC	Reported Capacity	Actual Capacity	Piping	Contents
UST-1	8,000 gallon	8,000 gallon	Yes	No. 2 Medium Diesel

The UST was excavated and removed on February 2 and 3, 2005 and soil samples were collected from the UST excavation on February 4, 2005.

# 3.2 UST System Decommissioning

Terra Environmental Contractors, Inc. ("Terra") of West Chester, Pennsylvania (NJDEP Certification #US00704) performed the excavation, removal and proper decommissioning of the UST. Residual fluids contained in the UST were pumped, transported and disposed of by Eldredge Inc. of West Chester, Pennsylvania (EPA ID # 0002479657). A total of approximately 1,500 gallons of residual fluids were evacuated from the UST (Appendix B). The UST was rendered unusable for storage and cleaned on-site. The UST was disposed of at Camden Iron in Camden, New Jersey (Appendix B).

TABLE 1 Area Of Concern

# 3.4 Project Quality Assurance and Quality Control

ENVISION followed standard Quality Assurance/Quality Control ("QA/QC") practices during all sampling activities. Soil sampling was conducted using standard soil sampling QA/QC procedures. Dedicated vinyl or nitrile gloves were worn by the sampler during sample collection and were discarded after collection of each sample. Once collected, the soil samples were immediately placed into an iced cooler and were retained on ice until delivery to GLA.

A laboratory-prepared trip blank accompanied the soil sample containers from the laboratory through the sampling event and was submitted for analysis of VOCs as part of project QA/QC protocol. Dedicated sample collection materials were used at each soil sample location, eliminating the need for a field equipment rinse blank.

# 3.5 **Project Health and Safety Procedures**

During all on-site activities, ENVISION site personnel adhered to the site-specific HASP that was prepared in advance of the actual field investigation. The HASP was prepared with specific references to United States Environmental Protection Agency ("USEPA") Standard Operating Safety Guides and Occupational Safety and Health Administration ("OSHA") Health and Safety Practices (29 CFR Part 1910). All ENVISION personnel who participated in the field investigative activities at the site were in possession of current and valid HAZWOPER training that meets the criteria of OSHA regulations stipulated in 29 CFR 1910.120. All site work performed as part of this investigation was conducted under modified Level D protection.

# 4.0 INVESTIGATIVE FINDINGS

# 4.1 Condition of UST

EHS physically inspected the UST following excavation and removal. The UST was a single wall, bare steel tank. Although some rust and pitting were evident on the exterior surface the UST, no indications or evidence was observed of holes, weep areas or breaches in the tank.

# 4.2 Soil Quality

# 4.2.1 Qualitative Soil Quality

EHS indicated the qualitative indications of potentially degraded soil quality were noted in soil excavated during removal of the UST. Hydrocarbon fuel-type odors in soil were noted in soil excavated from portions of the top and sides of the UST. An unidentifiable odor was noted in two of the soil samples collected from the bottom of the excavation. Maximum field head-space readings for samples collected from the UST excavation ranged from 21.8 parts per million per unit volume (ppm-v) equivalent to isobutylene to 159 ppm-v.

Based on the results of the qualitative soil analysis, soil excavated during the removal of the UST was stockpiled on-site.

Sample Identification	Head Space Measurement (ppm-v)	Remarks
CT-1	21.8	No odor
CT-2	41.9	Slight odor
CT-3	50.8	Slight odor
CT-4	69.6	No odor
CT-5	159	No odor

TABLE 3Soil Sample Head Space Measurements

NOTE: Soil head-space measured using a RAE<sup>™</sup> Classic photo ionization detector calibrated to 100 ppm of isobutylene in air.

# 4.2.2 Quantitative Soil Quality

Post excavation soil samples were collected from the UST and submitted for laboratory analysis (Table 4). TPHC results ranged from less than 28.7 milligrams per kilogram ("mg/kg") in samples CT-1 and CT-2 to 2,300 mg/kg in CT-5. Supplemental laboratory analysis was performed on all of the samples from the excavation based on historical site data indicating the presence of VOC's in soil at various locations at the site.

The supplemental soil sample analyses indicate that volatile organic compounds were detected at estimated concentrations in soil samples CT-3, CT-4 and CT-5 (Table 4). VOCs, in the form of tetrachloroethene, toluene, and xylenes, were detected in the supplemental analysis of the soil samples (Table 4). However, the reported concentrations of all three of these parameters were well below the current NJDEP Soil Cleanup Criteria ("SCC") for these compounds. Analytical data sheets and the associated documentation for the soil samples are included in Appendix C of this report.

### 5.0 FINDINGS AND RECOMMENDATIONS

### 5.1 AOC-1: UST-1:

Data generated during the UST decommissioning and subsequent SI of soil quality at the subject location indicate the presence of low concentrations of VOCs in the soil samples collected from the UST excavation.

AOC-1 consisted of one, 8,000-gallon steel UST historically used to store medium diesel fuel. Five soil samples were collected along the bottom of the UST excavation and submitted for laboratory analysis. Soil excavated during the removal of the tank and the UST excavation were field inspected for possible impacts during the SI.

UST decommissioning indicated that the UST was in fair condition with no obvious holes or leaks. Qualitative indications of staining and hydrocarbon odors were noted in the UST excavation. Soil excavated during the removal of the tank was stockpiled at the site. On the basis of this observation and the absence of holes and leaks from the tank, EHS has concluded that the detected impact to soil was most likely the cumulative result of spills and/or overfills that occurred during fuel transfers.

Qualitative analysis of soil samples collected from the UST excavation indicted unidentifiable odors in two of the five samples. PID response from soil samples collected from the excavation ranged from 21.8 ppm-v to 159 ppm-v. Analytical data from the soil samples indicate low concentrations of three VOC's (Table 4). TPHC was detected at concentrations ranging from 800 to 2300 mg/kg in soil samples collected from the excavation. No contaminants were detected in soil at concentrations above current NJDEP SCC.

On the basis of the soil analytical data generated during the SI, no further action is recommended for AOC-1.

# 5.2 Cost of Site Investigation

The total cost associated with the UST Decommissioning and Site Investigation at the North Front Street Associates property located at 308-322 North Front Street in Camden, Camden County, New Jersey is \$46,719.86.

TABLE 4 Soil Sample Analytical Data North Front Street Associates 308-322 North Front Street Camden, New Jersey NJDEP TMS #C04-3522 NJDEP Facility ID #006594 (detected compounds only)

0000 NJDEP SCC	Exc. Bottom Duplicate of CT-2 RDCSCC NRDCSCC IGWSCC	7 10000 10000 10000
	ate of CT-2 RDCSCC NRDCSCC	7 10000 10000
	ate of CT-2 RDCSCC	7 10000
0000	ate of CT-2	~
CT-Dup 010500416-C Soil 2/7/05	Duplic	< 28.7
CT-5 010500416-0005 Soil 2/7/05	Exc. Bottom	2300
CT-4 010500416-0004 Soil 2/7/05	Exc. Bottom	800
T-2         CT-3         CT-4         CT-5         CT-Dup           416-0002         010500416-0003         010500416-0005         010500416-0006         010500416-0006           soil         Soil         Soil         Soil         Soil         Soil         Soil           7/05         277/05         277/05         277/05         277/05         277/05         277/05	Exc. Bottom	1200
CT-2 010500416-0002 Soil 2/7/05	Exc. Bottom	< 27.8
Sample ID         CT-1         CT-           Laboratory ID         010500416-0001         01050041           Media         Soil         So           Date         2/7/05         2/7/05	Exc. Bottom	< 28.7
Sample ID Laboratory ID <u>01</u> Media Date	Sample Location Exc. Bottom	TPHC

vocs

Ioluene	ND	ΩN	0.19 J	CN	0.16 J	QZ	1000	1000	200
								2000	
Tetrachloroethene	n	QN	0.14 J	0.15.1	0.31 J	CZ	4	G	
							-	D	-
Xylenes-Meta & Para	nn	QN	QN	CN	0.17 J	CZ	۲. N	AIC A	UN N
							)	202	02
Xylenes-Ortho	Q	QN	QN	CN	CN	CN	SN	NO	C A
				211			2	202	DZ DZ
Total Xylenes	Q	Q	QN	CN	0.17 J	QN	410	1000	57
							> • •	200	/0
Total VOC TICs	nn	QN	QN	CN	10	CZ	1000	000+	0001
							0000	2000	2001
Total VOCs	g	Q	0.33 J	0.15.J	164	QN	1000	1000	000+
						2	222	200	

# Notes:

1.) All results in milligrams per kilogram ("mg/kg").

2.) Sample locations depicted on Figure 3.

3.) ND = Not Detected

4.) Blank cell indicates parameter not analyzed.

NJDEP SCC = New Jersey Department of Environmental Protection Soil Clean up Criteria (May 1999).
 RDCSCC = Residential Direct Contact Soil Cleanup Criteria

7.) NRDCSCC = Non-Residential Direct Contact Soil Cleanup Criteria

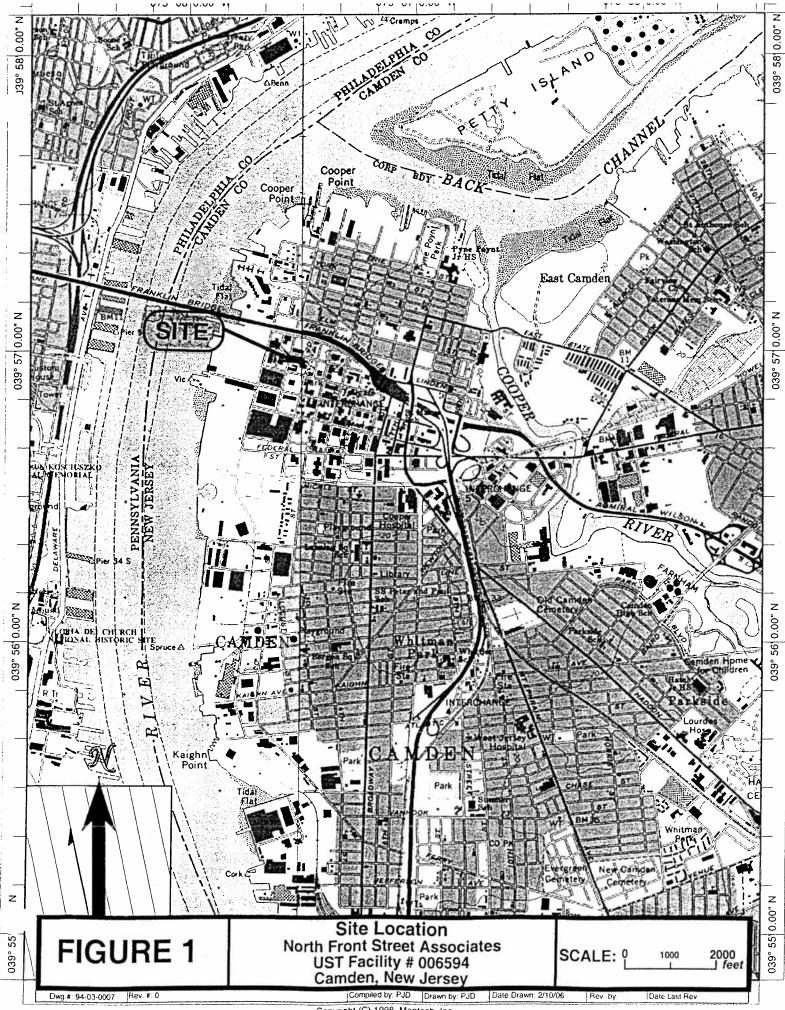
8.) IGWSCC = Impact to Ground Water Soil Cleanup Criteria

9.) NS = No clean-up standard established.

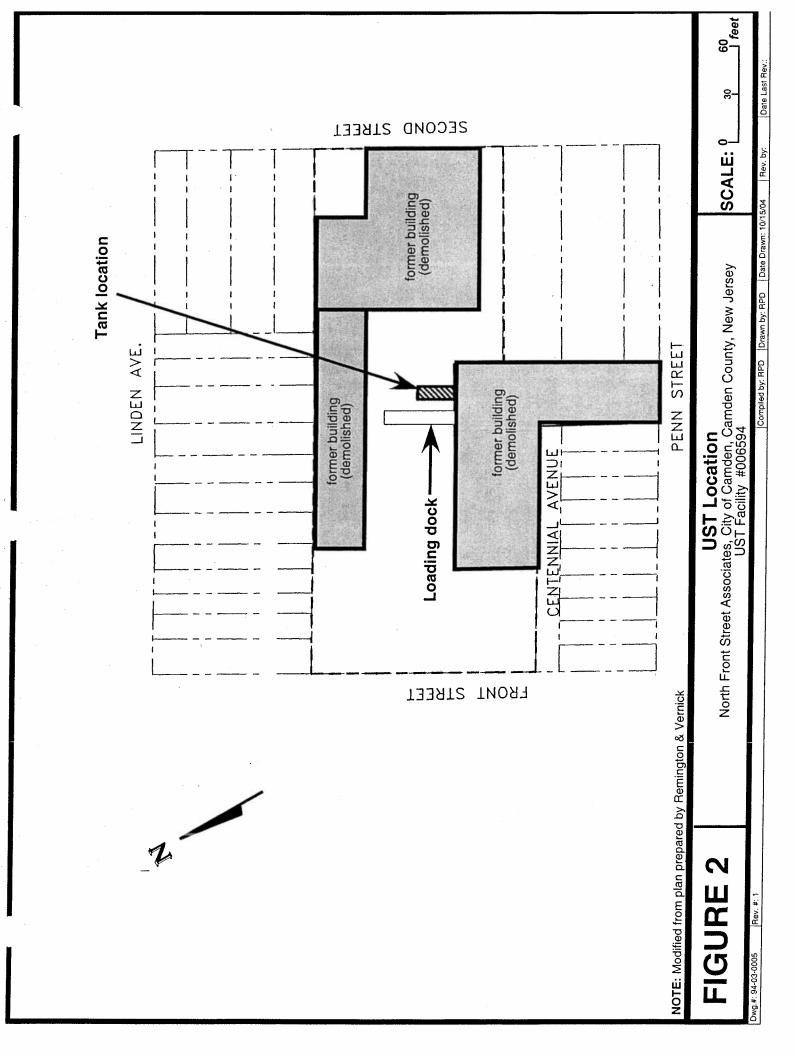
10.) J = Estimated concentration.

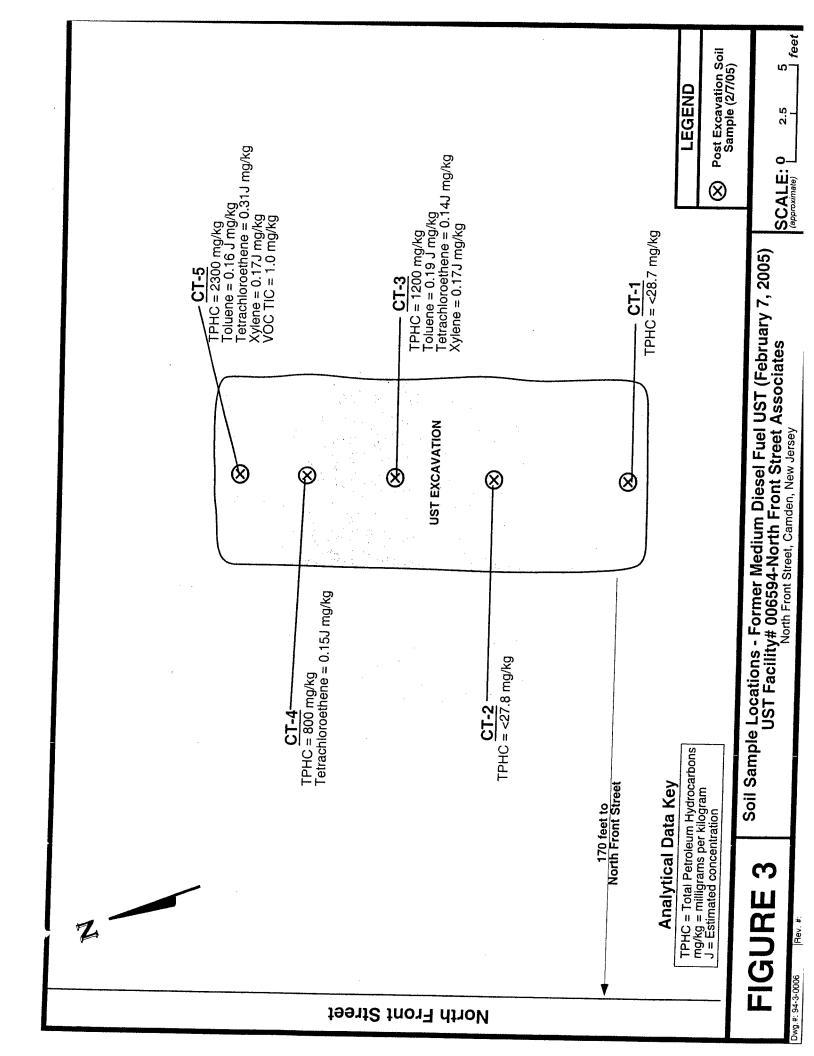
Key to Analytical Parameters: TPHC = total petroleum hydrocarbons VOCs = volatile organic compounds TICs = tentatively identified compounds <u>SI Report</u> NJDEP TMS #C03-3522 NJDEP Facility ID #006594

**FIGURES** 



Copyright (C) 1998, Maptech, Inc.





<u>SI Report</u> NJDEP TMS #C03-3522 NJDEP Facility ID #006594

# APPENDIX A

NJDEP Closure-Notice of Intent Form (Underground Storage Tank System)



Division of Remediation Support Bureau of Risk Management, Initial Notice and Case Assignment PO Box 435 Trenton, NJ 08625-0435 (609) 633-0708

# CLOSURE - Closure Plan Approval Underground Storage Tank System

Effective Date: 11/12/2004 Expiration Date: 11/12/2005

TMS #: C04-3522 Activity #: UCL040001 Facility ID #: 006594

Facility Name: NORTH FRONT ST ASSOCIATES

Facility Address: 308-322 N FRONT ST Camden City Camden County

Decommission, close and conduct a site investigation for the UST(s) and all associated piping specified in this approval in accordance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E.

The management of any excavated soils must follow the requirements listed in N.J.A.C. 7:14B-8.2.

Note: The UNDERGROUND STORAGE TANK SERVICES CERTIFICATION ACT, N.J.S.A. 58:10A-24, requires all services performed on an UST system for the purpose of complying with P.L.1986, c.102 to be performed by or under the immediate on-site supervision of a person certified by the Department for that service. The certified person providing that service must be employed by a business that is also certified by the Department for that service.

Contact Person: RAYMOND DUCHAINE

Telephone #: (302) 791-9939

This Permit must be displayed at the Site during the Approved Activity and must be made available for inspections at all times.

The above listed facility is hereby granted approval to perform the attached activities in accordance with N.J.A.C. 7:14B-1 et. seq..

Geogra Cunningham for Rafael Rivera, Supervisor

Bureau of Risk Management, Initial Notice and Case Assignment

This Permit consists of  $\underline{2}$  pages.

The Closure of the following:

One – 8,000 gallon registered diesel underground storage tank, and appurtenant piping.

# APPENDIX B

**Tank Removal Documentation** 

- Bills of LadingTank Destruction Receipts

# TERRA ENVIRONMENTAL CONTRACTORS

# CERTIFICATE OF DESTRUCTION

EHS Environmental, Incorporated Presented to:

This letter is to serve as a certificate of destruction for one (1) 5,000-gallon steel underground storage tank (UST). This tank was used to store #2 heating oil located at 308-322 North Front Street in Camden, New Jersey. Upon excavating to the top of the tank and creating an opening in the UST, the tank was vacuumed clean of all the residual oil/water. Following the tank cleaning procedures, the tank was decommissioned and thus deemed unfit for future use.

The tank shell was transported off-site to a steel re-melt facility for recycling. The facility used for the tank destruction was Camden Iron located in Camden, New Jersey.

Site Name: Former Cooper Grant Drum Facility

Location: <u>308-322 North Front Street, Camden, NJ</u>

Date: <u>1/24/05</u>

Terra Environmental Contractors, Inc., New Jersey Department of Environmental Protection Certification #00704, gerformed the tank removal work.

Conrad E. Muhly, IV

NJDEP Tank Removal Cert #00704

May 17 05 12:44p

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	erlver Truckii Othois	Description: TERRA 3 Container In: Container Out:

BOLGS: CLEAMED UNDERGROUND OIL TANK FROM PARKVIEN APARIMENTS IN CANDEN

# Commercial Ticket - Number: 260879

ionmodity	Gross	Tare	Taral Deduct	Net UM	Price	Total
aBounty - Bulky	38,040	35,520		2,520 9	0.0000	.00
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# **APPENDIX D**

SI/RI Sampling Summary and Sampling Location Plan (Remington And Vernick, April 1999 and Oct. 2002)

# RI Sampling Summary and Analytical Results (Remington and Vernick October 2002

Survey and the second second

C. S. Syn & Long

#### GROUNDWATER

#### GROUNDWATER SAMPLE SUMMARY TABLE - ABBCO STEEL DRUM SITE, CAMDEN, NJ (ROUND #1) DEPTH COMPOUNDS. DETECTED AREA OF SAMPLE COMPOUNDS FIELD ID CONCENTRATION NJDEP EXCEEDS ANALYZED CONCERN DATE (LAB ID) (PPM) UMIT LIME (feet) Groundwater 8/15/01 VOLATILES MW-1 13.96 None Detected LEAD (8100-003A) Groundwater 8/15/01 VOLATILES MW-2 12.44 None Detected LEAD (8100-004A) Groundwater 8/15/01 VOLATILES MW-3 12.94 None Detected LEAD (8100-005A)

#### GROUNDWATER

AREA OF	SAMPLE	COMPOUNDS	FIELD ID	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
CONCERN	DATE	ANALYZED	(LAB ID)	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
Groundwater	9/17/01	VOLATILES	MW-1	13.92	1, 2-Dichlorobenzene	8.84	600	
		LEAD	(9099-003A)		Ethylbenzene	3.43	700	
					Total Xylenes	4.2	1000	
Groundwater	9/17/01	VOLATILES LEAD	MW-2 (9099-004A)	12.9	None Detected			
Groundwater	9/17/01	VOLATILES LEAD	MW-3 (9099-005A)	12.94	Lead	10	10	

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		and the second se	and some state of the local division of the	and the second se	ON A2R (VERTICAL)			
SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP LIMIT	EXCEEDS
A2R6	6/19/01	TPHC, VO+10	148-008A	5.5-6.0	TPHC	5411	10000	
		BN+15,CADMIUM			Cadmium	17.8	39	
		ZINC, PHENOLS			Zinc	571	1500	
		BERYLLIUM			Phenols	5.16	50	
		NICKEL	5		Beryllium	0.286	2	
					Di-n-butyl phthalate	0.501	100	
					Bis(2-ethylhexyl phthalate)	0.12	49	
				1	1,2,4-Trimethylbenzene	7.6	NS	
					1,3,5-Trimethylbenzene	3.38	NS	
					1,4-Dichlorobenzene	1.05	100	
					Chlorobenzene	0.916	1	
				1	Ethylbenzene	2.2	100	
					Isopropylbenzene	0.46	NS	
		1			Total Xylenes	8.71	67	
					n-Butylbenzene	0.51	NS	
					sec-butylbenzene	0.31	NS	
					Toluene	7.2	500	
					n-propylbenzene	0.66	NS	
A2R8	6/19/01	TPHC, VO+10	148-009A	7.5-8.0	TPHC	5195	10000	
		BN+15,CADMIUM			Cadmium	1.87	39	
		ZINC, PHENOLS			Zinc	59.9	1500	
		BERYLLIUM			Beryllium	0.22	2	
		NICKEL			1,2-Dichlorobenzene	0.88	50	
					Di-n-butyl phthalate	3.6	100	
					Bis(2-ethylhexyl phthalate)	5.3	49	
					Phenanthrene	0.89	NS	
					1,2,4-Trimethylbenzene	6.6	NS	
					1,3,5-Trimethylbenzene	2.07	NS	
					1,2-Dichlorobenzene	7.7	50	
					Ethylbenzene	2	100	
					Total Xylenes	5.2	67	
					Toluene	8.1	500	
A2R10	6/19/01	TPHC,VO+10	148-010A	9.5-10.0	TPHC	5192	10000	
/ LEI (10	0/10/01	BN+15,CADMIUM	140-0101	0.0 10.0	Cadmium	2.8	39	
		ZINC, PHENOLS			Zinc	74	1500	-1
		BERYLLIUM			Anthracene	0.471	100	
		NICKEL			Di-n-butyl phthalate	3.2	100	
		NORCE			Bis(2-ethylhexyl phthalate)	4.8	49	
					Phenanthrene	1.3	NS	
					1,2,4-Trimethylbenzene	0.55	NS	
A2R12	6/19/01	TPHC, VO+10	148-011A	11.5-12.0	TPHC	309.1	10000	
TALICI L	0/15/01	BN+15,CADMIUM	140-0117	11.0-12.0	Cadmium	0.897	39	
		ZINC, PHENOLS			Zinc	60.6	1500	
		BERYLLIUM			Beryllium	0.448	1500	
		NICKEL			Di-n-butyl phthalate	0.448	100	
		MOREL			Bis(2-ethylhexyl phthalate)	0.66	49	
A2R14	6/19/01	TPHC,VO+10	148-012A	13.5-14.0	TPHC	214.8	10000	
AZR 14	0/19/01	BN+15,CADMIUM	140-012A	13.5-14.0	Zinc	214.8	1500	
		ZINC, PHENOLS			Di-n-butyl phthalate	0.527	1500	
		BERYLLIUM NICKEL			Di-n-butyi phinalate	0.527	100	
A2R15	6/19/01	TPHC,VO+10	148-013A	14.5-15.0	TPHC	246.3	10000	
		BN+15,CADMIUM			Cadmium	0.779	39	
		ZINC, PHENOLS			Zinc	56.9	1500	
		BERYLLIUM			Beryllium	0.36	2	
		NICKEL	1		Di-n-butyl phthalate	0.704	100	

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# 1,000 GALLON UST

SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP LIMIT	EXCEEDS LIMIT
F4R8	6/21/01	TPHC, VO+10	162-001A	7.5-8.0	TPHC	73.01	10000	
		<b>BN+15, PHENOLS</b>			Di-n-butyl phthalate	1.7	100	
F4R10	6/21/01	TPHC,VO+10	162-002A	9.5-10.0	TPHC	231.4	10000	
		BN+15, PHENOLS			Azobenzene	0.096	NS	
					Bis(2-ethylhexyl) phthalate	0.125	49	
					Di-n-butyl phthalate	0.806	6 100	
F4R12	6/21/01	TPHC, VO+10	162-003A	11.5-12.0	TPHC	546.7	10000	
		BN+15, PHENOLS			Bis(2-ethylhexyl) phthalate	0.489	49	
					Di-n-butyl phthalate	0.933	100	
2					Fluoranthene	0.116	100	
					Pyrene	0.171	100	
F4R14	6/21/01	TPHC, VO+10	162-004A	13.5-14.0	TPHC	339.5	10000	
		<b>BN+15, PHENOLS</b>		-	Di-n-butyl phthalate	0.699	100	
F4R15	6/21/01	TPHC, VO+10	162-005A	14.5-15.0	TPHC	141.4	10000	
		BN+15, PHENOLS			Di-n-butyl phthalate	0.671	100	

# 1,000 GALLON UST

SOIL SAI	MPLE ANA	ALYTICAL RESU	LTS SUMMA	ARY TABLE	E - LOCATION F2R (VERTIN	CAL)		
SAMPLE	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP	EXCEEDS LIMIT
F2R8	6/21/01	LEAD	162-006A	7.5-8.0				
F2R10	6/21/01	LEAD	162-007A	9.5-10.0	no compounds detected			
F2R12	6/21/01	LEAD	162-008A	11.5-12.0				

# 10,000 GALLON UST

SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)		EXCEEDS
E2R8	6/21/01	TPHC VOLATILES	162-009A	7.5-8.0	ТРНС	6934	10000	
E2R10	6/21/01	TPHC VOLATILES	162-010A	9.5-10.0	TPHC	202	10000	
E2R12	6/21/01	TPHC VOLATILES	162-011A	11.5-12.0	TPHC	6424	10000	

# **BUILDING #2 PIT**

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
1D#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
CCR4 6/21	6/21/01	BN+15, LEAD	162-012A	3.5-4.0	Lead	29.4	400	
	5R4 0/21/01 BINT 15, LEAD 102-012			Di-n-butyl phthalate	0.768	100		
CCR6	6/21/01	BN+15, LEAD	162-013A	5.5-6.0	Di-n-butyl phthalate	0.657	100	
CCR8	6/21/01	BN+15, LEAD	162-014A	7.5-8.0	Di-n-butyl phthalate	0.78	100	

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	-ID#	(feel)	DETECTED	(PPM)	LIMIT	EIMIT
AR1	8/17/01	TPHC,VO+10	123-013A	5.5-6.0	TPHC	39.47	10000	
		BN+15,CADMIUM			Cadmium	0.867	39	
		ZINC, PHENOLS			Zinc	26.1	1500	
		BERYLLIUM			Beryllium	0.217	2	
		NICKEL			Di-n-butyl phthalate	0.514	100	
AR2	8/17/01	TPHC,VO+10	123-014A	5.5-6.0	TPHC	769.6	10000	
		BN+15,CADMIUM			Cadmium	39.5	39	X
		ZINC, PHENOLS			Zinc	771	1500	
1		BERYLLIUM			1,2-Dichloorobenzene	4.9	50	
		NICKEL			Di-n-butyl phthalate	0.621	100	
		-			Bis(2-ethylhexyl phthalate	6.8	49	
					Phenanthrene	0.426	NS	
					1,4-Dichlorobenzene	1.2	100	
					2-methylnapthalene	1	NS	
					Chrysene	0.259	9	
1					Fluoranthene	0.318	100	
					Napthalene	1	100	
				{	Pyrene	0.35	100	
					1,1,1-Trichloroethene	0.57	50	
					1,1 Dichloroethane	5.4	10	
1					1,2,4-Trimethylbenzene	14.6	NS	
					1,3,5-Trimethylbenzene	6	NS	
		1.57			1,2-Dichlorobenzene	• 20.2	50	
					2-Chlorotoluene	1.5	NS	
					Chlorobenzene	0.921	1	
			1		cis-dichloroethene	35.6	1	X
					Isopropylbenzene	0.76	NS	
					Methylene chloride	14.9	1	X
					n-butylbenzene	0.79	NS	
					n-propylbenzene	2.8	NS	
					Napthalene	4.6	100	
					Tetrachloroethene	6.3	1	X
1					Trichloroethene	13.3	1	X
					Vinyl chloride	6.2	2	X
					Ethylbenzene	8.2	100	
					Total Xylenes	30.4	67	
					Toluene	70.3	500	

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	SAMPLE	COMPOUNDS	LAB	DEPTH	OCATION A2R (HORIZO	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	ID#	(feel)	DETECTED	(PPM)	LIMIT	LIMIT
AR3	8/17/01	TPHC,VO+10	123-015A	5.5-6.0	ТРНС	39.69	10000	GUMBE
		BN+15,CADMIUM			Zinc	17.3	1500	
		ZINC, PHENOLS			Beryllium	0.164	2	
		BERYLLIUM			1,2-Dichlorobenzene	3.1	50	
		NICKEL			Di-n-butyl phthalate	0.372	100	
			- T		1,2,4-Trimethylbenzene	1.6	NS	
					1,3,5-Trimethylbenzene	1.5	NS	x x x
					cis-1,2-Dichloroethene	4.2		X
					Methylene chloride	2.2	1	X
					n-propylbenzene	0.729	NS	
					Napthalene	2.3	100	
					Trichloroethene	0.794	1	
					Ethylbenzene	0.673	100	
					Total Xylenes	2.5	67	-
AR4	8/17/01	TPHC,VO+10	123-012A	5.5-6.0	TPHC	11.1	10000	
		BN+15,CADMIUM			Cadmium	0.681	39	
		ZINC, PHENOLS			Zinc	15.1	1500	
1		BERYLLIUM			Beryllium	0.157	2	
		NICKEL			Di-n-butyl phthalate	0.477	100	
AR5 8/24/01	TPHC,VO+10	166-004A	5.5-6.0	TPHC	72.19	10000		
					Zinc	16.5	1500	
	BN+15,CADMIUM ZINC, PHENOLS BERYLLIUM	ZINC, PHENOLS			Di-n-butyl phthalate	0.276	100	
AR6	8/24/01	TPHC.VO+10	166-005A	5.5-6.0	TPHC	120.6	10000	
		BN+15,CADMIUM			Cadmium	1.26	39	
		ZINC, PHENOLS			Zinc	17.3	1500	
		BERYLLIUM			Di-n-butyl phthalate	0.397	100	
AR7	8/24/01	TPHC,VO+10	166-006A	5.5-6.0	TPHC	22,000	10000	х
		BN+15,CADMIUM			Cadmium	1.15	39	
		ZINC, PHENOLS BERYLLIUM NICKEL			Zinc	35.9	1500	
AR8	8/24/01	TPHC,VO+10	166-007A	5.5-6.0	TPHC	310	10000	
		BN+15,CADMIUM			Cadmium	1.14	39	
		ZINC, PHENOLS			Zinc	66.9	1500	
		BERYLLIUM			Di-n-butyl phthalate	0.378	100	
AR9	8/24/01	TPHC	1047-001A	5.5-6.0	TPHC	58	10000	

# 1,000 GALLON UST

SOIL SAM	PLE ANA	LYTICAL RESUL	TS SUMM	ARY TAB	LE - LOCATION E2R (HO	DRIZONTAL)	111			
SAMPLE SAMPLE COMPOUNDS LAB DEPTH COMPOUNDS CONCENTRATION NJDEP EXCEED										
ID#	DATE	ANALYZED	The state of the s	Party Charles - Burning - Arto		(PPM)	LIMIT	LIMIT		
E2R1	8/24/01	TPHC, VO+10	166-001A	9.5-10.0	TPHC	101.9	10000			

# 1,000 GALLON UST

SOIL SAN	IPLE ANA	LYTICAL RESUL	TS SUMM	IARY TAB	LE - LOCATION FR 1 (HO	ORIZONTAL)			
SAMPLE SAMPLE COMPOUNDS LAB DEPTH COMPOUNDS CONCENTRATION NJDEP EXCEED									
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT	
FR1	8/24/01	LEAD	166-002A	7.5-8.0	Lead	. 14.4	400		

# 1,000 GALLON UST

SOIL SAN	IPLE ANA	LYTICAL RESUL	TS SUMM	IARY TAB	LE - LOCATION F2R (HC	RIZONTAL)		
SAMPLE	SAMPLE DATE	ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP	EXCEEDS LIMIT
FR2	8/24/01	TPHC,VO+10	166-003A	7.5-8.0	TPHC	404.1	10000	
	10 m	BN+15, PHENOLS			Di-n-butyl phthalate	0.307	100	

# **BUILDING #2 PIT**

SAMPLE	SAMPLE DATE	COMPOUNDS ANALYZED	LAB JD#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP LIMIT	EXCEEDS
CCR1	8/9/01	BN+15, LEAD	071-001A	7.5-8.0	Lead	522	400	X
					Benzo(a)anthracene	0.193	0.9	
					Chrysene	0.275	9	
			1		Di-n-butyl phthalate	0.452	100	
		1		Fluoranthene	0.401	100		
					Phenanthrene	0.196	NS	
					Pyrene	0.3896	100	
CCR2	8/9/01	BN+15, LEAD	123-001A	7.5-8.0	Di-n-butyl phthalate	0.256	100	
CCR3	8/9/01	BN+15, LEAD	123-002A	7.5-8.0	Lead	10.7	400	
					Di-n-butyl phthalate	0.26	100	
CCR4	8/9/01	BN+15, LEAD	123-003A	7.5-8.0	Di-n-butyl phthalate	0.297	100	

# DRUM RINSING AREA

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	. LIMIT
C4R-4	6/19/01	TPHC,VO+10,	148-001A	3.5-4.0	TPHC	5,823	10,000	
		BN+15, LEAD,			Cadmium	16.9	39	
		CADMIUM, ZINC			Lead	336	400	
					Zinc	413	1500	
					Di-n-butyl phthalate	0.556	100	
C4R-6	6/19/01	TPHC, VO+10,	148-002A	5.5-6.0	TPHC	1019	10000	
		BN+15, LEAD,			Cadmium	1.22	39	
		CADMIUM, ZINC			Zinc	36.1	1500	
					Di-n-butyl phthalate	0.552	100	
C4R-8	6/19/01	TPHC, VO+10,	148-003A	7.5-8.0	TPHC	914.6	10000	
		BN+15, LEAD,			Cadmium	1.12	39	
		CADMIUM, ZINC			Zinc	28.6	1500	
					Di-n-butyl phthalate	0.492	100	
					Bis(2-ethylhexyl)phthalate	0.219	49	
C4R-10 6/1	6/19/01	TPHC, VO+10,	148-004A	9.5-100	TPHC	266.5	10000	
		BN+15, LEAD,			Cadmium	0.648	39	
		CADMIUM, ZINC			Zinc	15.4	1500	
					Di-n-butyl phthalate	0.732	100	
C4R-12	6/19/01	TPHC, VO+10,	148-005A	11.5-12.0	TPHC	319.6	10000	
		BN+15, LEAD,			Cadmium	0.68	39	
		CADMIUM, ZINC			Zinc	32.7	1500	
					Di-n-butyl phthalate	0.498	100	
					Bis(2-ethylhexyl)phthalate	0.128	49	
C4R-14	6/19/01	TPHC, VO+10,	148-006A	13.5-14.0	ТРНС	257.6	10000	
•		BN+15, LEAD,			Cadmium	0.726	39	
		CADMIUM, ZINC			Zinc	31.6	1500	
					Di-n-butyl phthalate	0.701	100	
C4R-15	6/19/01	TPHC,VO+10,	148-007A	14.5-15.0	TPHC	75.58	10000	
0411-10		BN+15, LEAD,		1.0.0	Zinc	31.1	1500	
	. Dj	CADMIUM, ZINC			Di-n-butyl phthalate	0.807	100	

# DRUM RINSING OPERATIONS

					OCATION CR (HORIZO	Providence and a second s		
SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEL
ID#	DATE	ANALYZED	10#	· (feet) .	DETECTED	(PPM)	LIMIT	LIMIT
CR1	8/17/01	TPHC,VO+10,	123-011A	5.5-6.0	TPHC	11	10,000	
		BN+15, LEAD,			Cadmium	0.837	39	
		CADMIUM, ZINC			Lead	10.3	400	
	É.				Zinc	114	1500	
					Di-n-butyl phthalate	0.239	100	
CR2	8/17/01	TPHC, VO+10,	123-010A	5.5-6.0	TPHC	11.76	10000	
		BN+15, LEAD,			Cadmium	0.777	39	
1		CADMIUM, ZINC			Lead	13.1	400	
					Zinc	39.1	1500	
					Di-n-butyl phthalate	0.318	100	
CR3	8/17/01	TPHC, VO+10,	123-009A	5.5-6.0	TPHC	11.68	10000	
		BN+15, LEAD,			Zinc	23.3	1500	
		CADMIUM, ZINC			Di-n-butyl phthalate	0.47	100	
CR4	8/17/01	TPHC, VO+10,	123-006A	5.5-6.0	TPHC	129.5	10000	
		BN+15, LEAD,			Cadmium	0.719	39	
		CADMIUM, ZINC			Lead	12.5	400	
					Zinc	30.4	1500	
					Di-n-butyl phthalate	0.436	100	
CR5	8/17/01	TPHC, VO+10,	123-005A	5.5-6.0	TPHC	656.4	10000	
	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BN+15, LEAD,			Cadmium	0.876	39	
		CADMIUM, ZINC			Lead	11.1	400	
		n - Australia de California de Calendo de Cal Nota de Calendo br>Nota de Calendo			Zinc	24.6	1500	
					Di-n-butyl phthalate	0.388	100	
					Napthalene	1.19	100	
CR6	8/17/01	TPHC, VO+10,	123-004A	5.5-6.0	TPHC	260.4	10000	
		BN+15, LEAD,	1.000000	- 10 A - 10 -	Zinc	20.9	1500	
		CADMIUM, ZINC	8		Di-n-butyl phthalate	0.609	100	
					Napthalene	1.096	100	
					1,2,4-Trimethylbenzene	3.3	NS	
					1.3.5-Trimethylbenzene	1.04	NS	
					Ethylbenzene	1.1	100	
			1		Isopropylbenzene	0.56	NS	
					Total xylenes	1.2	67	
					n-butylbenzene	1.18	NS	
			1		n-propylbenzene	1.2	NS	
					Napthalene	4.3	100	
					sec-butylbenzene	1.8	NS	
CR7	8/17/01	TPHC, VO+10,			Cadmium	0.967	39	
UN	Grindi	BN+15, LEAD,	123-007A	5.5-6.0	Zinc	22.1	1500	
		CADMIUM, ZINC	120-001/	0.0-0.0	Di-n-butyl phthalate	0.413	100	-
CR8	8/17/01	TPHC, VO+10,			Cadmium	0.866		
GRO	0/1//01	BN+15, LEAD,	123-008A	5.5-6.0	Zinc	15		
	1	CADMIUM, ZINC	123-000A	0.0-0.0	Di-n-butyl phthalate	0.461	100	

# FLOOR DRAIN / PIPING / TRENCH

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
G4R-4	6/19/01	TPHC, VO+10,	148-014A	Designment of Search residences	Antimony	1.06	14	
		BN+15, LEAD,			Lead	16.4	400	
		PHENOLS, ZINC			Zinc	42.1	1500	
		ANTIMONY			TPHC	181.4	10000	
					Di-n-butyl phthalate	0.539	100	
					Toluene	0.767	500	
G4R-6	6/19/01	TPHC, VO+10,	148-015A	5.5-6.0	Antimony	0.66	14	
		BN+15, LEAD,		0	Zinc	23.5	1500	
		PHENOLS, ZINC			TPHC	194.4	10000	
		ANTIMONY			Di-n-butyl phthalate	0.448	100	
G4R-8	6/19/01	TPHC, VO+10,	148-016A	7.5-8.0	Zinc	24.3	1500	
		BN+15, LEAD,			TPHC	139.4	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.83	100	
G4R-10	6/19/01	TPHC, VO+10,	148-017A	9.5-10.0	Zinc	77.6	1500	
		BN+15, LEAD,			TPHC	391.5	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.418	100	
G4R-12	6/19/01	TPHC,VO+10,	148-018A	11.5-12.0	Zinc	40.5	1500	
		BN+15, LEAD,			TPHC	82.38	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.452	100	
G4R-14	6/19/01	TPHC, VO+10,	148-019A	13.5-14.0	Antimony	0.352	14	
		BN+15, LEAD,			Zinc	24.8		
		PHENOLS, ZINC			TPHC	77.16		
		ANTIMONY			Di-n-butyl phthalate	0.478		
					1,2,4-Trimethylbenzene	3.9	NS	
				-	1,3,5-Trimethylbenzene	1.2	NS	
					Total Xylenes	2	67	
					sec-butylbenzene	0.047	NS	
G4R-15	6/19/01	TPHC, VO+10,	148-020A	14.5-15.0	Antimony	0.371	14	
		BN+15, LEAD,			Zinc	46.1	1500	
		PHENOLS, ZINC			TPHC	61.59		
		ANTIMONY			Di-n-butyl phthalate	0.421	100	

Note: Soil Sample G4R-4 is designated as GR4 in analytical lab report.

# FLOOR DRAIN / PIPING / TRENCH

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	ID#	(feel)	DETECTED	(PPM)	LIMIT	LIMIT
GR1	8/9/01	TPHC, VO+10,	71-006A	5.5-6.0	Zinc	26.5	1500	
		BN+15, LEAD,			TPHC	84.58	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.579	100	
GR2	8/9/01	TPHC, VO+10,	71-005A	5.5-6.0	Lead	19.4	400	
		BN+15, LEAD,			Zinc	52.8	1500	
		PHENOLS, ZINC			TPHC	39.47	10000	
		ANTIMONY		55	Di-n-butyl phthalate	0.527	100	
GR3	8/9/01	TPHC, VO+10,	71-004A	5.5-6.0	Antimony	0.272	14	
		BN+15, LEAD,			Lead	60.2	400	
		PHENOLS, ZINC			Zinc	106	1500	
		ANTIMONY			TPHC	56.96	10000	1.00
					Di-n-butyl phthalate	0.487	100	
					Pyrene	0.111	100	
GR4	8/9/01	TPHC, VO+10,	71-003A	5.5-6.0	Antimony	2.04	14	
		BN+15, LEAD,			Lead	415	400	X
		PHENOLS, ZINC			Zinc	36.3	1500	
		ANTIMONY			TPHC	84.42	10000	
	1				Di-n-butyl phthalate	0.532	100	
GR5	8/9/01	TPHC, VO+10,	71-002A	5.5-6.0	Zinc	48.8	1500	
		BN+15, LEAD,	1. 1. 5. 5. 5. 5. 7		Phenols	3.57	50	
	1 1	PHENOLS, ZINC			TPHC	168.9	10000	
		ANTIMONY			Di-n-butyl phthalate	0.487	100	
GR6	8/9/01	TPHC, VO+10,	71-008A	5.5-6.0	Lead	9.38	400	
		BN+15, LEAD,			Zinc	31.3	1500	
		PHENOLS, ZINC			TPHC	46.16	10000	
		ANTIMONY			Di-n-butyl phthalate	0.476	100	
GR7	8/9/01	TPHC, VO+10,	71-007A	5.5-6.0	Zinc	33.8	1500	
		BN+15, LEAD,			TPHC	59.45	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.58	100	

#### GROUNDWATER

AREA OF	SAMPLE	COMPOUNDS ANALYZED	FIELD ID (LAB ID)	DEPTH	COMPOUNDS DETECTED	CONCENTRATION : (PPM)	NJDEP	EXCEEDS
Groundwater	8/15/01	VOLATILES LEAD	MW-1 (8100-003A)		None Detected			
Groundwater	8/15/01	VOLATILES LEAD	MW-2 (8100-004A)	12.44	None Detected			
Groundwater	8/15/01	VOLATILES LEAD	MW-3 (8100-005A)	12.94	None Detected			

#### GROUNDWATER

AREA OF	SAMPLE	COMPOUNDS	FIELD ID	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
CONCERN	DATE	ANALYZED	(LAB ID)	(feet)	DETECTED	(PEM)	LIMIT	LIMIT
Groundwater	9/17/01	VOLATILES	MW-1	13.92	1, 2-Dichlorobenzene	8.84	600	
		LEAD	(9099-003A)		Ethylbenzene	3.43	700	
					Total Xylenes	4.2	1000	
Groundwater	9/17/01	VOLATILES LEAD	MW-2 (9099-004A)	12.9	None Detected			
Groundwater	9/17/01	VOLATILES LEAD	MW-3 (9099-005A)	12.94	Lead	10	10	

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SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	ON A2R (VERTICAL)	CONCENTRATION	NIDED	EVOCED
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	CONCENTRATION (PPM)	NJDEP	EXCEEDS LIMIT
A2R6	6/19/01	TPHC, VO+10	148-008A	5.5-6.0	ТРНС	5411	10000	LIVIT
	0.50	BN+15,CADMIUM			Cadmium	17.8	39	
		ZINC, PHENOLS	1		Zinc	571	1500	
		BERYLLIUM	1		Phenols	5.16	50	
		NICKEL			Beryllium	0.286	2	
					Di-n-butyl phthalate	0.501	100	
					Bis(2-ethylhexyl phthalate)	0.12	49	
			1	1	1,2,4-Trimethylbenzene	7.6	NS	
					1,3,5-Trimethylbenzene	3.38	NS	
				5	1,4-Dichlorobenzene	1.05	100	
					Chlorobenzene	0.916	100	
					Ethylbenzene	2.2	100	
					Isopropyibenzene	0.46	NS	
					Total Xylenes	8.71	67	
			1		n-Butylbenzene	0.51	NS	
			1		sec-butylbenzene	0.31	NS	
					Toluene	7.2	500	
					n-propylbenzene	0.66	NS	
A2R8	6/19/01	TPHC,VO+10	148-009A	7.5-8.0	TPHC	5195	10000	
		BN+15,CADMIUM	1	117.7.5007-007	Cadmium	1.87	39	
		ZINC, PHENOLS			Zinc	59.9	1500	
		BERYLLIUM			Beryllium	0.22	2	
		NICKEL	1		1,2-Dichlorobenzene	0.88	50	
					Di-n-butyl phthalate	3.6	100	
				1	Bis(2-ethylhexyl phthalate)	5.3	49	
					Phenanthrene	0.89	NS	
					1,2,4-Trimethylbenzene	6.6	NS	
					1,3,5-Trimethylbenzene	2.07	NS	
					1,2-Dichlorobenzene	7.7	50	
					Ethylbenzene	2	100	
					Total Xylenes	5.2	67	
~					Toluene	. 8.1	500	
A2R10	6/19/01	TPHC, VO+10	148-010A	9.5-10.0	ТРНС	5192	10000	
		BN+15,CADMIUM			Cadmium	2.8	39	
		ZINC, PHENOLS	1		Zinc	74	1500	
		BERYLLIUM			Anthracene	0.471	100	
		NICKEL			Di-n-butyl phthalate	3.2	100	
		12 Internet of the second	1		Bis(2-ethylhexyl phthalate)	4.8	49	
					Phenanthrene	1.3	NS	
					1,2,4-Trimethylbenzene	0.55	NS	
A2R12	6/19/01	TPHC, VO+10	148-011A	11.5-12.0	ТРНС	309.1	10000	
1227777635889		BN+15,CADMIUM			Cadmium	0.897	39	
		ZINC, PHENOLS			Zinc	60.6	1500	
		BERYLLIUM			Beryllium	0.448	2	
		NICKEL			Di-n-butyl phthalate	0.66	100	
					Bis(2-ethylhexyl phthalate)	0.406	49	
A2R14	6/19/01	TPHC, VO+10	148-012A	13.5-14.0	ТРНС	214.8	10000	
		BN+15,CADMIUM			Zinc	214.8	1500	
		ZINC, PHENOLS BERYLLIUM			Di-n-butyl phthalate	0.527	100	
A2R15	6/19/01	NICKEL TPHC,VO+10	148-013A	14.5-15.0	ТРНС	246.3	10000	- 24:
		BN+15,CADMIUM			Cadmium	0.779	39	
		ZINC, PHENOLS			Zinc	56.9	1500	
		BERYLLIUM			Beryllium	0.36	2	
	NICKEL	NICKEL			Di-n-butyl phthalate	0.704	100	

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
AR1	8/17/01	TPHC,VO+10	123-013A	5.5-6.0	TPHC	39.47	10000	
-		BN+15,CADMIUM			Cadmium	0.867	39	
		ZINC, PHENOLS			Zinc	26.1	1500	
		BERYLLIUM			Beryllium	0.217	2	
		NICKEL			Di-n-butyl phthalate	0.514	100	
AR2	8/17/01	TPHC,VO+10	123-014A	5.5-6.0	TPHC	769.6	10000	
		BN+15,CADMIUM		1000 000	Cadmium	39.5	39	X
		ZINC, PHENOLS			Zinc	771	1500	
		BERYLLIUM			1,2-Dichloorobenzene	4.9	50	
		NICKEL			Di-n-butyl phthalate	0.621	100	
					Bis(2-ethylhexyl phthalate	6.8	49	
					Phenanthrene	0.426	NS	
					1,4-Dichlorobenzene	1.2	100	
					2-methylnapthalene	1	NS	
					Chrysene	0.259	9	
					Fluoranthene	0.318	100	
				}	Napthalene	1	100	
					Pyrene	0.35	100	
				1,1,1-Trichloroethene	0.57	50		
					1,1 Dichloroethane	5.4	10	
					1,2,4-Trimethylbenzene	14.6	NS	
					1,3,5-Trimethylbenzene	6	NS	
		3			1,2-Dichlorobenzene	• 20.2	50	
					2-Chlorotoluene	1.5	NS	
					Chlorobenzene	0.921	1	
					cis-dichloroethene	35.6	1	X
					Isopropylbenzene	0.76	NS	
					Methylene chloride	14.9	1	X
					n-butylbenzene	0.79	NS	
					n-propylbenzene	2.8	NS	
					Napthalene	4.6	100	
					Tetrachloroethene	6.3	1	X
			i i		Trichloroethene	13.3	1	X
					Vinyl chloride	6.2	2	X
					Ethylbenzene	8.2	100	
					Total Xylenes	30.4	67	1.1.1.1.1
					Toluene	70.3	500	

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
AR3	8/17/01	TPHC,VO+10	123-015A	5.5-6.0	TPHC	39.69	10000	
		BN+15,CADMIUM			Zinc	17.3	1500	
		ZINC, PHENOLS			Beryllium	0.164	2	
		BERYLLIUM			1,2-Dichlorobenzene	3.1	50	
		NICKEL			Di-n-butyl phthalate	0.372	100	
					1,2,4-Trimethylbenzene	1.6	NS	
					1,3,5-Trimethylbenzene	1.5	NS	
					cis-1,2-Dichloroethene	4.2		X
					Methylene chloride	2.2	1	X
					n-propylbenzene	0.729	NS	
					Napthalene	2.3	100	
					Trichloroethene	0.794	1	
					Ethylbenzene	0.673	100	
					Total Xylenes	2.5	67	
AR4	8/17/01	TPHC, VO+10	123-012A	5.5-6.0	TPHC	11.1	10000	
		BN+15,CADMIUM			Cadmium	0.681	39	
		ZINC, PHENOLS			Zinc	15.1	1500	
- 1		BERYLLIUM			Beryllium	0.157	2	
		NICKEL			Di-n-butyl phthalate	0.477	100	
AR5	8/24/01	TPHC, VO+10	166-004A	5.5-6.0	TPHC	72.19	10000	
		BN+15,CADMIUM			Zinc	16.5	1500	
		ZINC, PHENOLS BERYLLIUM NICKEL			Di-n-butyl phthalate	0.276	100	
AR6	8/24/01	TPHC,VO+10	166-005A	5.5-6.0	TPHC	120.6	10000	
		BN+15,CADMIUM	0		Cadmium	1.26	39	
		ZINC, PHENOLS			Zinc	17.3	1500	
	9	BERYLLIUM NICKEL			Di-n-butyl phthalate	0.397	100	
AR7	8/24/01	TPHC,VO+10	166-006A	5.5-6.0	TPHC	22,000	10000	X
		BN+15,CADMIUM	(		Cadmium	1.15	39	
		ZINC, PHENOLS BERYLLIUM NICKEL			Zinc	35.9	1500	
AR8	8/24/01	TPHC,VO+10	166-007A	5.5-6.0	TPHC	310	10000	
		BN+15,CADMIUM			Cadmium	1.14	39	
		ZINC, PHENOLS			Zinc	66.9	1500	
	1	BERYLLIUM NICKEL			Di-n-butyl phthalate	0.378	100	1
AR9	8/24/01	TPHC	1047-001A	5.5-6.0	TPHC	58	10000	

# 1,000 GALLON UST

# SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE - LOCATION F4R (VERTICAL)

SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP LIMIT	EXCEEDS LIMIT
F4R8	6/21/01	TPHC,VO+10	162-001A	7.5-8.0	TPHC	73.01	10000	Select Married State
		<b>BN+15, PHENOLS</b>			Di-n-butyl phthalate	1.7	100	
F4R10	6/21/01	TPHC, VO+10	162-002A	9.5-10.0	TPHC	231.4	10000	
		<b>BN+15, PHENOLS</b>			Azobenzene	0.096	NS	
	· .				Bis(2-ethylhexyl) phthalate	0.125	49	
					Di-n-butyl phthalate	0.806	100	
F4R12	6/21/01	TPHC, VO+10	162-003A	11.5-12.0	TPHC	546.7	10000	
		<b>BN+15, PHENOLS</b>			Bis(2-ethylhexyl) phthalate	0.489	49	
					Di-n-butyl phthalate	0.933	100	
					Fluoranthene	0.116	100	
					Pyrene	0.171	100	
F4R14	6/21/01	TPHC, VO+10	162-004A	13.5-14.0	TPHC	339.5	10000	
		BN+15, PHENOLS			Di-n-butyl phthalate	0.699	100	
F4R15	6/21/01	TPHC, VO+10	162-005A	14.5-15.0	TPHC	141.4	10000	
		BN+15, PHENOLS			Di-n-butyl phthalate	0.671	100	

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# 1,000 GALLON UST

	SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE - LOCATION F2R (VERTICAL)												
SAMPLE	SAMPLE	COMPOUNDS	LAB ID#	DEPTH (feet)	COMPOUNDS	CONCENTRATION (PPM)	NJDEP	EXCEEDS					
F2R8	6/21/01	LEAD	162-006A	7.5-8.0	Constraint March and the Constraint State of the State of	and the second	Sal CHAIL LOD.	and the second second					
F2R10	6/21/01	LEAD	162-007A	9.5-10.0	no compounds detected								
F2R12	6/21/01	LEAD	162-008A	11.5-12.0	•								

# 10,000 GALLON UST

SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS	CONCENTRATION (PPM)	NJDEP	EXCEEDS LIMIT
E2R8	6/21/01	TPHC VOLATILES	162-009A	7.5-8.0	TPHC	6934	10000	
E2R10	6/21/01	TPHC VOLATILES	162-010A	9.5-10.0	ТРНС	202	10000	
E2R12	6/21/01	TPHC VOLATILES	162-011A	11.5-12.0	ТРНС	6424	10000	

# **BUILDING #2 PIT**

SOIL SAN	IPLE ANA	LYTICAL RESU	LTS SUMMA	ARY TABL	E - LOCATION CCR (VERT	CAL)		
SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP	<b>自己的。</b> 在1997年1月1日日日
CCR4 6/21/01	6/21/01	BN+15, LEAD	162-012A	3.5-4.0	Lead	29.4	400	
					Di-n-butyl phthalate	0.768	100	
CCR6	6/21/01	BN+15, LEAD	162-013A	5.5-6.0	Di-n-butyl phthalate	0.657	100	
CCR8	6/21/01	BN+15, LEAD	162-014A	7.5-8.0	Di-n-butyl phthalate	0.78	100	7

# 1,000 GALLON UST

SOIL SAN	IPLE ANA	LYTICAL RESUL	TS SUMM	IARY TAB	LE - LOCATION E2R (HO	ORIZONTAL)	-				
Count 2015 7496208 10100261	SAMPLE SAMPLE COMPOUNDS LAB DEPTH COMPOUNDS CONCENTRATION NJDEP EXCEEDS										
HD#	DATE	ANALYZED	1D#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT			
E2R1	8/24/01	TPHC, VO+10	166-001A	9.5-10.0	TPHC	101.9	10000				

# 1,000 GALLON UST

SOIL SAN	IPLE ANA	LYTICAL RESUL	TS SUMM	ARY TAB	LE - LOCATION FR 1 (HO	ORIZONTAL)					
SAMPLE SAMPLE COMPOUNDS LAB DEPTH COMPOUNDS CONCENTRATION NJDEP EXCEEDS											
1D#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT			
FR1	8/24/01	LEAD	166-002A	7.5-8.0	Lead	14.4	400				

### 1,000 GALLON UST

SOIL SAN	IPLE ANA	LYTICAL RESUL	TS SUMM	ARY TAB	LE - LOCATION F2R (HC	RIZONTAL)		
SAMPLE ID#	SAMPLE . DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS	CONCENTRATION (PPM)	NJDEP	EXCEEDS
FR2	8/24/01	TPHC,VO+10	166-003A	7.5-8.0	TPHC	404.1	10000	STUDIES CARPEND
		BN+15, PHENOLS			Di-n-butyl phthalate	0.307	100	

# **BUILDING #2 PIT**

SAMPLE ID#	SAMPLE DATE	COMPOUNDS ANALYZED	LAB ID#	DEPTH (feet)	COMPOUNDS	CONCENTRATION (PPM)	NJDEP	EXCEEDS
CCR1	8/9/01	BN+15, LEAD	071-001A	7.5-8.0	Lead	522	400	Х
					Benzo(a)anthracene	0.193	0.9	
					Chrysene	0.275	9	
					Di-n-butyl phthalate	0.452	100	
					Fluoranthene	0.401	100	
					Phenanthrene	0.196	NS	
					Pyrene	0.3896	100	
CCR2	8/9/01	BN+15, LEAD	123-001A	7.5-8.0	Di-n-butyl phthalate	0.256	100	
CCR3	8/9/01	BN+15, LEAD	123-002A	7.5-8.0	Lead	10.7	400	
+					Di-n-butyl phthalate	0.26	100	
CCR4	8/9/01	BN+15, LEAD	123-003A	7.5-8.0	Di-n-butyl phthalate	0.297	100	

# DRUM RINSING AREA

SAMPLE,	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
C4R-4	6/19/01	TPHC, VO+10,	148-001A	3.5-4.0	TPHC	5,823	10,000	
		BN+15, LEAD,			Cadmium	16.9	39	
		CADMIUM, ZINC			Lead	336	400	
					Zinc	413	1500	
					Di-n-butyl phthalate	0.556	100	
C4R-6	6/19/01	TPHC, VO+10,	148-002A	5.5-6.0	TPHC	1019	10000	
		BN+15, LEAD,			Cadmium	1.22	39	
		CADMIUM, ZINC			Zinc	36.1	1500	
					Di-n-butyl phthalate	0.552	100	
C4R-8	6/19/01	TPHC, VO+10,	148-003A	7.5-8.0	TPHC	914.6	10000	
		BN+15, LEAD,			Cadmium	1.12	39	
		CADMIUM, ZINC			Zinc	28.6	1500	
					Di-n-butyl phthalate	0.492	100	
					Bis(2-ethylhexyl)phthalate	0.219	49	
C4R-10	6/19/01	TPHC, VO+10,	148-004A	9.5-100	TPHC	266.5	10000	
		BN+15, LEAD,			Cadmium	0.648	39	
		CADMIUM, ZINC			Zinc	15.4	1500	
					Di-n-butyl phthalate	0.732	100	
C4R-12	6/19/01	TPHC, VO+10,	148-005A	11.5-12.0	TPHC	319.6	10000	
		BN+15, LEAD,			Cadmium	0.68	39	
		CADMIUM, ZINC			Zinc	32.7	1500	
					Di-n-butyl phthalate	0.498	100	
					Bis(2-ethylhexyl)phthalate	0.128	49	
C4R-14	6/19/01	TPHC, VO+10,	148-006A	13.5-14.0	TPHC	257.6	10000	
		BN+15, LEAD,			Cadmium	0.726	39	
		CADMIUM, ZINC			Zinc	31.6	1500	
					Di-n-butyl phthalate	0.701	100	
C4R-15	6/19/01	TPHC, VO+10,	148-007A	14.5-15.0	TPHC	75.58	10000	
		BN+15, LEAD,			Zinc	31.1	1500	
		CADMIUM, ZINC			Di-n-butyl phthalate	• 0.807	100	

### DRUM RINSING OPERATIONS

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	LOCATION CR (HORIZO	CONCENTRATION	NJDEP	EXCEED
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
CR1	8/17/01	TPHC, VO+10,	123-011A	5.5-6.0	TPHC	11	10,000	Party Sector (1919)
		BN+15, LEAD,	1.000.00		Cadmium	0.837	39	
1		CADMIUM, ZINC			Lead	10.3	400	
					Zinc	114	1500	
					Di-n-butyl phthalate	0.239	100	
CR2	8/17/01	TPHC, VO+10,	123-010A	5.5-6.0	TPHC	11.76	10000	
		BN+15, LEAD,	-		Cadmium	0.777	39	
		CADMIUM, ZINC			Lead	13.1	400	(* 1979) (* 1978) 1979 - 1979 - 1979
			1		Zinc	39.1	1500	
					Di-n-butyl phthalate	0.318	100	
CR3	8/17/01	TPHC, VO+10,	123-009A	5.5-6.0	TPHC	11.68	10000	
		BN+15, LEAD,			Zinc	23.3	1500	
		CADMIUM, ZINC			Di-n-butyl phthalate	0.47	100	
CR4	8/17/01	TPHC, VO+10,	123-006A	5.5-6.0	TPHC	129.5	10000	
		BN+15, LEAD,			Cadmium	0.719	39	
		CADMIUM, ZINC			Lead	12.5	400	
					Zinc	30.4	1500	1
					Di-n-butyl phthalate	0.436	100	
CR5	8/17/01	TPHC, VO+10,	123-005A	5.5-6.0	TPHC	656.4	10000	
		BN+15, LEAD,			Cadmium	0.876	39	
		CADMIUM, ZINC			Lead	11.1	400	
	1				Zinc	24.6	1500	
	1		1		Di-n-butyl phthalate	0.388	100	
					Napthalene	1.19	100	
CR6	8/17/01	TPHC, VO+10,	123-004A	5.5-6.0	TPHC	260.4	10000	
		BN+15, LEAD,			Zinc	* 20.9	1500	
1		CADMIUM, ZINC			Di-n-butyl phthalate	0.609	100	
					Napthalene	1.096	100	
					1,2,4-Trimethylbenzene	3.3	NS	
					1.3.5-Trimethylbenzene	1.04	NS	
1					Ethylbenzene	1.1	100	
					Isopropylbenzene	0.56	NS	
- 1			1		Total xylenes	1.2	67	
					n-butylbenzene	1.18	NS	
					n-propylbenzene	1.2	NS	
					Napthalene	4.3	100	
					sec-butylbenzene	1.8	NS	
CR7	8/17/01	TPHC, VO+10,			Cadmium	0.967	39	
		BN+15, LEAD,	123-007A	5.5-6.0	Zinc	22.1	1500	
		CADMIUM, ZINC			Di-n-butyl phthalate	0.413	100	
CR8	8/17/01	TPHC, VO+10,			Cadmium	0.866	39	
	1	BN+15, LEAD,	123-008A	5.5-6.0	Zinc	15	1500	
		CADMIUM, ZINC			Di-n-butyl phthalate	0.461	100	

# FLOOR DRAIN / PIPING / TRENCH

SAMPLE	SAMPLE	COMPOUNDS	LAB	DEPTH	COMPOUNDS	CONCENTRATION	NJDEP	EXCEEDS
ID#	DATE	ANALYZED	ID#	(feet)	DETECTED	(PPM)	LIMIT	LIMIT
G4R-4	6/19/01	TPHC, VO+10,	148-014A	3.5-4.0	Antimony	1.06	14	Contraction of the state
		BN+15, LEAD,			Lead	16.4	400	
		PHENOLS, ZINC			Zinc	42.1	1500	
		ANTIMONY			TPHC	181.4	10000	
					Di-n-butyl phthalate	0.539	100	
					Toluene	0.767	500	
G4R-6	6/19/01	TPHC, VO+10,	148-015A	5.5-6.0	Antimony	0.66	14	
		BN+15, LEAD,			Zinc	23.5	1500	
		PHENOLS, ZINC			TPHC	194.4	10000	
		ANTIMONY			Di-n-butyl phthalate	0.448	100	
G4R-8	6/19/01	TPHC, VO+10,	148-016A	7.5-8.0	Zinc	24.3	1500	
		BN+15, LEAD,			TPHC	139.4	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.83	100	
G4R-10	6/19/01	TPHC,VO+10,	148-017A	9.5-10.0	Zinc	77.6	1500	
		BN+15, LEAD,			TPHC	391.5	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.418	100	
G4R-12	6/19/01	TPHC, VO+10,	148-018A	11.5-12.0	Zinc	40.5	1500	
		BN+15, LEAD,			TPHC	82.38	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.452	100	
G4R-14	6/19/01	TPHC, VO+10,	148-019A	13.5-14.0	Antimony	0.352	14	
		BN+15, LEAD,			Zinc	24.8	1500	
		PHENOLS, ZINC			TPHC	77.16	10000	
		ANTIMONY			Di-n-butyl phthalate	0.478	100	
					1,2,4-Trimethylbenzene	3.9	NS	
					1,3,5-Trimethylbenzene	1.2	NS	
					Total Xylenes	2	67	
					sec-butylbenzene	0.047	NS	
G4R-15	6/19/01	TPHC, VO+10,	148-020A	14.5-15.0	Antimony	• 0.371	14	
		BN+15, LEAD,			Zinc	46.1	1500	
		PHENOLS, ZINC			TPHC	61.59	10000	
		ANTIMONY	· · · · · · · · · · · · · · · · · · ·		Di-n-butyl phthalate	0.421	100	

Note: Soil Sample G4R-4 is designated as GR4 in analytical lab report.

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# FLOOR DRAIN / PIPING / TRENCH

SAMPLE	SAMPLE DATE	COMPOUNDS	LAB ID#	DEPTH (feet)	COMPOUNDS DETECTED	CONCENTRATION (PPM)	NJDEP	EXCEED
GR1	8/9/01	TPHC, VO+10,	71-006A	5.5-6.0	Zinc	26.5	1500	SPECIMENT
		BN+15, LEAD,			TPHC	84.58	10000	
		PHENOLS, ZINC ANTIMONY			Di-n-butyl phthalate	0.579	100	
GR2	8/9/01	TPHC, VO+10,	71-005A	5.5-6.0	Lead	19.4	400	
18	1	BN+15, LEAD,	-		Zinc	52.8	1500	
		PHENOLS, ZINC			TPHC	39.47	10000	
		ANTIMONY			Di-n-butyl phthalate	0.527	100	
GR3	8/9/01	TPHC, VO+10,	71-004A	5.5-6.0	Antimony	0.272	14	
		BN+15, LEAD,			Lead	60.2	400	
		PHENOLS, ZINC			Zinc	106	1500	
		ANTIMONY			TPHC	56.96	10000	
					Di-n-butyl phthalate	0.487	100	
					Pyrene	0.111	100	
GR4	8/9/01	TPHC, VO+10,	71-003A	5.5-6.0	Antimony	2.04	14	
10000	1	BN+15, LEAD,			Lead	415	400	X
		PHENOLS, ZINC			Zinc	36.3	1500	
		ANTIMONY			TPHC	84.42	10000	
		c			Di-n-butyl phthalate	0.532	100	
GR5	8/9/01	TPHC, VO+10,	71-002A	5.5-6.0	Zinc	48.8	1500	
		BN+15, LEAD,	1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -		Phenols	3.57	50	
		PHENOLS, ZINC			TPHC	168.9	10000	
		ANTIMONY			Di-n-butyl phthalate	0.487	100	
GR6	8/9/01	TPHC,VO+10,	71-008A	5.5-6.0	Lead	9.38	400	
	1.1115-113-115-15	BN+15, LEAD,			Zinc	31.3	1500	
		PHENOLS, ZINC			TPHC	46.16	10000	
		ANTIMONY			Di-n-butyl phthalate	0.476	100	
GR7	8/9/01	TPHC, VO+10,	71-007A	5.5-6.0	Zinc	33.8	1500	
		BN+15, LEAD,			TPHC	59.45	10000	
		PHENOLS, ZINC			Di-n-butyl phthalate	0.58	100	

RI Sampling Summary and Analytical Results (Remington and Vernick April 1999)

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC B1, UST	PP+40, TPHC, pH	F4 / E3648	<u>8'</u>	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
ADJACENT TO OILWATER SEPARATOR	, -, <b>,</b> ,		0		PHENOL	96.1J	50	x
					pH: 7.83 (SU)			<u> ^-</u>
					ТРНС	11,200	10,000	x
	`				METALS			<u> </u>
					ANTIMONY	2.56	14	
					ARSENIC	6.37	20	
					BERYLLIUM	0.64	1	
					CADMIUM	2.12	1	х
					CHROMIUM	28.6	NO STANDARD	~
					COPPER	32	600	
					LEAD	221	400	
					MERCURY	1.16	14	
					NICKEL	9.93	250	
					ZINC	624	1500	
					VOLATILE ORGANICS		1000	
					METHYLENE CHLORIDE	5.6DJ	1	v
					1,1,1-TRICHLOROETHANE	4.1DJ	50	х
					TRICHLOROETHENE	7.2DJ	1	x
					TOLUENE	25	500	~
					4-METHYL-2-PENTANONE	40D	50	v
					TETRACHLOROETHENE	5.5DJ	1	X
					ETHYLBENZENE	14D	100	х
					TOTAL XYLENES	54D	100	v
				1	1,2-DICHLOROBENZENE	18D	50	х
					NAPHTHALENE	8.7D	100	
				19	SEMIVOLATILE ORGANICS		100	
					PHENOL	14DJ	50	
				1	1,2-DICHLOROBENZENE	23DJ	50	
				1	NAPHTHALENE	16DJ	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					PHENANTHRENE		NO STANDARD	
					DI-N-BUTYLPHTHALATE	68D	100 STANDARD	
					BUTYLBENZYLPHTHALATE	5.8DJ	1	
					BIS(2-ETHYLHEXYL)PHTHALATE	84D	100	
				P	ESTICIDES / PCB's		49	<u>x</u>
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION		EXCEEDS
AOC B1, UST	PP+40, TPHC, pH	F3 / E3616	8'	1	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
ADJACENT TO OILWATER SEPARATOR			-		PHENOL	29.9	50	
					pH: 9.05 (SU)			
					METALS			
	,				ARSENIC	2.52	20	
					CHROMIUM	8.73	NO STANDARD	
					COPPER	1.09	600	
					NICKEL	6.48	250	
					ZINC	74.6	1500	
					VOLATILE ORGANICS			·····
					TOLUENE	1.1D	500	
					TETRACHLOROETHENE	0.52DJ	1	
					ETHYLBENZENE	0.19DJ	100	
					TOTAL XYLENES	0.6DJ	10	
					1,2-DICHLOROBENZENE	0.57DJ	50	
					NAPHTHALENE	0.21DJ	100	
					SEMIVOLATILE ORGANICS			
					1,2-DICHLOROBENZENE	0.042J	50	
					PHENANTHRENE	0.062J	NO STANDARD	
				Ĺ	BIS(2-ETHYLHEXYL)PHTHALATE	0.046J	49	
				1	PESTICIDES / PCB's			
		······································			NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION (PPM)	NJDEP LIMITS (PPM)	EXCEED: LIMITS
ADJACENT TO	PP+40, TPHC, pH	F2 / E3617	8'			(· · · · · · · · · · · · · · · · ·	Limito (FFM)	LIMITS
DILWATER SEPARATOR					PHENOL	11.3	50	
					pH: 8.72 (SU)	1		
					METALS	·		
	,				ARSENIC	2.78	20	
					CHROMIUM	9,79	NO STANDARD	
					COPPER	8.67	600	
					LEAD	990	400	х
					NICKEL	7.46	250	~
					ZINC	7.09	1500	
					VOLATILE ORGANICS			
					METHYLENE CHLORIDE	0.021DJ	49	
					1,1,1-TRICHLOROETHANE	0.022DJ	50	
					TRICHLOROETHENE	0.038D	1	
					TOLUENE	0.14D	500	
					TETRACHLOROETHENE	0.03D	1	
					ETHYLBENZENE	0.072D	100	
					TOTAL XYLENES	0.3D	10	
					1,4-DICHLOROBENZENE	0.013DJ	100	
					1,2-DICHLOROBENZENE	0.2D	50	
				Ļ	NAPHTHALENE	0.067D	100	
				1	SEMIVOLATILE ORGANICS			
					2-METHYLNAPHTHALENE		NO STANDARD	
				Ļ	BIS(2-ETHYLHEXYL)PHTHALATE	0.13J	49	
				1	PESTICIDES / PCB's			······································
				L	NONE DETECTED		i	

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AREA OF CONCERN	PARAMETERS ANALYZED PP+40, TPHC, pH	R&V SAMPLE ID/ LAB SAMPLE ID F1 / E3599	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION (PPM)	NJDEP LIMITS (PPM)	EXCEED
ADJACENT TO	io, mio, pri	LI1 E2088	8'					
OILWATER SEPARATOR					ТРНС	1210	10,000	······
					pH: 7.99 (SU)			
					METALS			
	,				ANTIMONY	0.89	14	
					ARSENIC	5.07	20	
					BERYLLIUM	0.71	1	
					CHROMIUM	1	NO STANDARD	
					COPPER	35	600	
					LEAD	76.7	400	
					NICKEL	11	250	
					ZINC	261	1500	
					VOLATILE ORGANICS			
					ACETONE	0.014	100	
					TOLUENE	0.002J	500	
					TOTAL XYLENES	0.002J	10	
					NAPHTHALENE	0.002J	100	
					SEMIVOLATILE ORGANICS	1		
					DI-N-BUTYLPHTHALATE	0.27DJ	100	
					PESTICIDES / PCB's			
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D17 / E3696	0-6"		DETECTED	(PPM)	LIMITS (PPM)	LIMITS
•			24" (VOLATILES ONLY)	)				
					pH: 8.43 (SU)			
					METALS			
					ANTIMONY	2.66	14	
					ARSENIC	8.31	20	
					CHROMIUM	9.34	NO STANDARD	
					COPPER	14.9	600	
					LEAD	60.4	400	
					NICKEL	31.9	250	
					ZINC	152	1500	
					VOLATILE ORGANICS			
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					NONE DETECTED			
					PESTICIDES / PCB's			
		·····			NONE DETECTED		[	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D19 / E3647	0-6"	1.12.10.1100	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
			24" (VOLATILES ONLY	)				
					pH: 7.82 (SU)			
					METALS ARSENIC CHROMIUM COPPER LEAD MERCURY ZINC VOLATILE ORGANICS NONE DETECTED	3.03 8.73 8.1 70.4 4.03 28.9	20 NO STANDARD 600 400 14 1500	
					SEMIVOLATILE ORGANICS PHENANTHRENE FLUORANTHENE PYRENE BENZO[AJANTHRACENE CHRYSENE BENZO[B]FLUORANTHENE BENZO[A]PYRENE INDENO[1,2,3-CD]PYRENE BENZO[G,H,I]PERYLENE	0.23J 0.2J 0.12J 0.12J 0.1J 0.095J 0.094J 0.038J	NO STANDARD 100 0.9 9 0.9 0.9 0.9 0.66 0.9	
				ī	PESTICIDES / PCB's	0.037J	NO STANDARD	
					NONE DETECTED		1	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D20 / E3641	0-6*	TREADINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
			24" (VOLATILES ONLY	5				
					pH: 8.52 (SU)			
					METALS			· · · · · · · · · · · · · · · · · · ·
					ARSENIC CHROMIUM COPPER LEAD MERCURY ZINC VOLATILE ORGANICS	1.55 9.22 5.17 27.3 0.23 23.4	20 NO STANDARD 600 400 14 1500	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					PHENOL	0.044J	50	
					PESTICIDES / PCB's NONE DETECTED			

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PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
	the second se		READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
ri i i i i i i i i i i i i i i i i i i							
		24 (VOLATILES ONLY)	)				
				METALS			
,				ANTIMONY	0.63	14	
				ARSENIC	15.1		
				CHROMIUM	10.9	1	
				COPPER		1 1	
				LEAD			
				MERCURY			
				NICKEL			
				SELENIUM			
				ZINC			
				VOLATILE ORGANICS		1300	
				TOLUENE	0.001.1	500	
				SEMIVOLATILE ORGANICS			
				ACENAPHTHYLENE	0.042.1		
				PHENANTHRENE			
				DI-N-BUTYLPHTHALATE		1	
				FLUORANTHENE		·	
				PYRENE			
				BENZOJAJANTHRACENE			
						1	
				CHRYSENE	· -	1	
				BENZO[B]FLUORANTHENE			
				BENZO[K]FLUORANTHENE		1	
			h		0.0323	NO STANDARD	
	PARAMETERS ANALYZED PP+40, TPHC, pH	ANALYZED LAB SAMPLE ID PP+40, TPHC, pH D21 / E3640	ANALYZED LAB SAMPLE ID DEPTH PP+40, TPHC, pH D21 / E3640 0-6"	ANALYZED LAB SAMPLE ID DEPTH READINGS PP+40, TPHC, pH D21 / E3640 0-6" 24" (vol.atilies oney)	ANALYZED LAB SAMPLE ID DETH READINGS DETECTED PP+40, TPHC, pH D21 / E3640 0.6" 24" NOLATILES ONLY) PH: 5.46 (SU) METALS ANTIMONY ARSENIC CHROMIUM COPPER LEAD MERCURY NICKEL SELENIUM ZINC VOLATILE ORGANICS TOLUENE SEMIVOLATILE ORGANICS ACENAPHTHYLENE PHENANTHRENE DI-N-BUTYLPHTHALATE BIS(2-ETHYLHEXYL)PHTHALATE	ANALYZED     LAB SAMPLE ID     DEPTH     READINGS     DETECTED     CONCENTRATION       PP+40, TPHC, pH     D21 / E3640     0.6"	ANALYZED         LAB SAMPLE ID         DEPTH         READINGS         DETECTED         CONCENTRATION         NJDEP           PP+40, TPHC, pH         D21 / E3640         0-6"         0

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REA OF CONCERN	PARAMETERS ANALYZED	RAV SAMPLE ID/	SAMPLE	PID	EN COUNTY, NJ			
C E, YARD AREA	PP+40, TPHC, pH	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	CONCENTRATION	NJDEP	EXCEED
	is, in no, pri	D22 / E3697	0-6"		DETECTED	(PPM)	LIMITS (PPM)	LIMITS
		2	4" (VOLATILES ONLY)				1	
					ТРНС			
					pH: 8.67 (SU)	43	10,000	
					METALS			
					ANTIMONY	1.0		
					ARSENIC	4.47	14	
					CHROMIUM	4.13	20	
					COPPER	19.1	NO STANDARD	
					LEAD	25.8	600	
					MERCURY	540	400	х
					NICKEL	0.74	14	~
					ZINC	10	250	
				l l	VOLATILE ORGANICS	197	1500	
					NONE DETECTED	T		
					SEMIVOLATILE ORGANICS			
					ACENAPHTHYLENE			
					ACENAPHTHENE	0.19J	O STANDARD	
				1	DIBENZOFURAN	0.23J	100	
					FLUORENE	0.18J	IO STANDARD	
				1	PHENANTHRENE	0.26J	100	
					ANTHRACENE	2 N	O STANDARD	
					DI-N-BUTYLPHTHALATE	0.46	100	
					FLUORANTHENE	0.13J	100	
					PYRENE	1.8	100	
				1	BENZOJAJANTHRACENE	2.6	100	
					BIS(2-ETHYLHEXYL)PHTHALATE	1.2	0.9	х
					CHRYSENE	0.17J	49	^
					BENZO[B]FLUORANTHENE	1.3	9	
				1	BENZOKKIFLUORANTHENE	0.8	0.9	
					BENZO[A]PYRENE	0.94	0.9	x
					INDENOIL 2.2 CDIDVDC	0.99	0.66	x
				1	INDENO[1,2,3-CD]PYRENE	0.51	0.9	^
				1		0.31J	0.66	
				PF	BENZOIG,H,IJPERYLENE STICIDES / PCB's	0.56 NO	STANDARD	
					NONE DETENTER			
		· · · · · · · · · · · · · · · · · · ·			NONE DETECTED			ļ

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**New Part 1** 

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	T	
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	CONCENTRATION	NJDEP	EXCEE
OC D2, LOADING	PP+40, TPHC, pH	11 / E3649	0-6"		DETEOTED	(PPM)	LIMITS (PPM)	LIMIT
RAMP		:	24" (VOLATILES ONLY	5	ТРНС	232	40.000	ļ
					pH: 7.84 (SU)	2.52	10,000	
					METALS	+		
					ANTIMONY	0.74		
	•				ARSENIC	1	14	
					CHROMIUM	6.99	20	
					COPPER	13.4	NO STANDARD	
					LEAD	23.5	600	
					NICKEL	203	400	
					ZINC	8.13	250	
					VOLATILE ORGANICS	168	1500	
					METHYLENE CHLORIDE			
						0.007	1	
					1,1,1-TRICHLOROETHANE	0.001J	50	
						0.001J	500	
					TETRACHLOROETHENE SEMIVOLATILE ORGANICS	0.001J	1	
					NAPHTHALENE			
					2-METHYLNAPHTHALENE	0.17DJ	100	
					ACENAPHTHYLENE		NO STANDARD	
							NO STANDARD	
					ACENAPHTHENE	0.29DJ	100	
					DIBENZOFURAN	0.24DJ	NO STANDARD	
					FLUORENE	0.41DJ	100	
					PHENANTHRENE		NO STANDARD	
						0.81D	100	
					DI-N-BUTYLPHTHALATE	5.2D	100	
					FLUORANTHENE	3.5D	100	
					PYRENE	3.7D	100	
					BENZO[A]ANTHRACENE	1.7D	0.9	х
					BIS(2-ETHYLHEXYL)PHTHALATE	0.32DJ	49	
						1.7D	9	
					BENZO[B]FLUORANTHENE	1.4D	0.9	х
				1	BENZO[K]FLUORANTHENE	1.4D	0.9	х
					BENZO[A]PYRENE	1.4D	0.66	х
					INDENO[1,2,3-CD]PYRENE	0.64DJ	0.9	
					DIBENZ[A,H]ANTHRACENE	0.4DJ	0.66	
				l -	BENZO[G,H,I]PERYLENE	0.68DJ	IO STANDARD	
				P	ESTICIDES / PCB's			
					NONE DETECTED	}		

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION (PPM)	NJDEP	EXCEED
RAMP	РР+40, ТРНС, <sub>Р</sub> Н	12 / E3642 2	0-6" 24" (volatiles only	)	TPHC pH: 8.44 (SU) METALS ANTIMONY ARSENIC CADMIUM	31.2 0.56 4.29	10,000 14 20	LIMITS
					CHROMIUM COPPER LEAD MERCURY NICKEL ZINC	0.86 14.1 20.3 20.6 0.44 7.87 402	1 NO STANDARD 600 400 14 250 1500	
					VOLATILE ORGANICS NONE DETECTED SEMIVOLATILE ORGANICS NONE DETECTED PESTICIDES / PCB'S NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS			
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS		CONCENTRATION	NJDEP	EXCEEDS
AOC C2, DRUM	TPHC, PP+40	C3A/F4646	2.0'	1.0	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
WASHING AREA			2.0	1.0				
AND ASSOCIATED					ARSENIC	3.78	20	
PIPING					CHROMIUM	8.23	NO STANDARD	
					COPPER	18.7	600	
					LEAD	226	400	
					MERCURY	0.68	14	
					ZINC	98.6	1,500	
					VOLATILE ORGANICS	······································		
					TRICHLOROETHENE	1.400D	1	х
			1		TETRACHLOROETHENE	0.760D		~
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	530D	NO STANDARD	
					ANTHRACENE	0.100DJ	100	
					FLUORANTHENE	0.780D	100	
					PYRENE	0.520D	100	
					BENZO(A)ANTHRACENE	0.330D	0.9	
					BIS(2-ETHYLHEXYL)PHTHALATE	0.090DJ	49	
					CHRYSENE	0.310D	9	
			F		BENZO(B)FLUORANTHENE	0.390D	0.9	
		l			BENZO(K)FLUORANTHENE	0.170D	0.9	
					BENZO(A)PYRENE	0.270D	0.66	
				[	INDENO(1,2,3-CD)PYRENE	0.200D		
<u>_</u>					BENZO(G,H,I)PERYLENE		0.9	
						0.1700	NO STANDARD	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
AOC C3, DRUM	TPHC, PP+40	C3B/F4647	2.0'	2.0	ТРНС	3,520	10,000	
WASHING AREA					METALS			
AND ASSOCIATED					ARSENIC	0.91	20	
PIPING					BERYLLIUM	0.59	1	
					CADMIUM	17.6	1	х
					CHROMIUM	35.8	NO STANDARD	
					COPPER	57.1	600	
					LEAD	514	400	х
					MERCURY	1.82	14	
					NICKEL	11.4	250	
					SILVER	1.39	110	
					ZINC	1,560	1,500	х
					VOLATILE ORGANICS			
					TRICHLOROETHENE	0.190D	1	
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	2.400D	NO STANDARD	
					FLUORANTHENE	4.800D	100	
					PYRENE	3.400D	100	
					BENZO(A)ANTHRACENE	2.200D	0.9	х
					CHRYSENE	2.200D	9	
					BENZO(B)FLUORANTHENE	3.000D	0.9	х
					BENZO(K)FLUORANTHENE	1.200DJ	0.9	X
					BENZO(A)PYRENE	2.200D	0.66	x
					INDENO(1,2,3-CD)PYRENE	1.400DJ	0.9	X
					BENZO(G,H,I)PERYLENE	1.300DJ	NO STANDARD	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D11/E3701	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
	11 40, 11 110, pri		0-6"					
•			24" (VOLATILES ONLY)		CYANIDE	0.79	1,100	<u> </u>
					ТРНС	412	10,000	
					pH: 8.34 (SU)			
					METALS			
					ANTIMONY	3.83	14	
					ARSENIC	6.2	20	
					CADMIUM	15.5	1	х
					CHROMIUM	42.3	NO STANDARD	
					COPPER	58.5	600	
					LEAD	411	400	v
					MERCURY	1.28	14	x
					NICKEL	41.1	250	
					ZINC	4660	1500	v
					VOLATILE ORGANICS	1000	1300	<u>X</u>
					NAPHTHALENE	0.007	100	
					SEMIVOLATILE ORGANICS		100	
					FLUORENE	0.9DJ	100	
					PHENANTHRENE		NO STANDARD	
				]	ANTHRACENE	2DJ	100	
					DI-N-BUTYLPHTHALATE	2.1DJ	100	
				[	FLUORANTHENE	12D	100	
				1	PYRENE	12D	100	
					BENZO[A]ANTHRACENE	6.2DJ		
				[	BIS(2-ETHYLHEXYL)PHTHALATE	4.3DJ	0.9	X
					CHRYSENE	7DJ	49 9	x
					BENZO[B]FLUORANTHENE	4.8DJ	0.9	~
					BENZO[K]FLUORANTHENE	4.8DJ	0.9	x
					BENZO[A]PYRENE	5.1DJ	0.66	X
					INDENO[1,2,3-CD]PYRENE	2.2DJ	0.9	x
					DIBENZ[A,H]ANTHRACENE	1.4DJ	0.66	X
				L	BENZO[G,H,I]PERYLENE		NO STANDARD	x
				<b>1</b>	PESTICIDES / PCB's		TO STANDARD	
					NONE DETECTED			

	AREA OF CONCERN	PARAMETERS	DRV CAMPLE (D/	0.11101 5						
1	AREA OF CONCERN	TANMELENS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS	1
		ANIALVZED					CONCLANION	NUDEF	L EVCEEDS I	4
		ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS	i -
							() () () () () () () () () () () () () (			4

AOC O	PP+40	MW-1/G0898	N/A	10.0	METALS PPB	PPB	PPB	
					CHROMIUM	10	1000	
SEPARATOR					LEAD	9	10	
3/15/99					ZINC	60	5000	
					VOLATILE ORGANICS			
					VINYL CHLORIDE	140	5	х
					CHLOROETHANE	100	NO STANDARD	
					METHYLENE CHLORIDE	100D	2	х
					1,1-DICHLOROETHANE	200D	70	X
					1,1,1-TRICHLOROETHANE	46D	30	х
					BENZENE	11D	1	х
					TRICHLOROETHENE	12	1	x
					1,2-DICHLOROPROPANE	14D	1 1	X
					TOLUENE	210	1000	
					ETHYLBENZENE	62D	700	х
					TOTAL XYLENES	230D	40	Х
					CIS-1,2-DICHLOROETHENE	210	NO STANDARD	
					1,2-DICHLOROBENZENE	35D	600	
					SEMIVOLATILE ORGANICS			
					PHENOL	43D	4,000	
					1,4-DICHLOROBENZENE	3	600	
					1,2-DICHLOROBENZENE	20	600	
					2-METHYLPHENOL	15	NO STANDARD	
			l		4-METHYLPHENOL	57	NO STANDARD	
					DIETHYL PHTHALATE	5	5,000	

AOC O,E ANDJ	PP+40	MW-2/G0899	N/A	0.0	METALS PPB	PPB	PPB	
OIL/WATER					COPPER	10	1000	
SEPARATOR					LEAD	15	10	
DRUM STORAGE					ZINC	30	5,000	
					SEMIVOLATILE ORGANICS			
					BIS(2-ETHYLHEXYL)PHTHALATE	1D	30	
AOC O E ANDJ	PP+40	MW-3/G0900	N/A	0.0	METALS PPB	PPB	PPB	
					CHROMIUM	10	100	
OILWATER					COPPER	20	1000	
SEPARATOR					LEAD	102	10	х
					MERCURY	.4	2	
DRUM STORAGE					ZINC	40	5,000	
					SEMIVOLATILE ORGANICS			
					BIS(2-ETHYLHEXYL)PHTHALATE	1D	30	

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D-INDICATES RESULT IS CALCULATED FROM DILUTION J-INDICATES COMPOUND IS DETECTED BELOW THE MDL

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EVOFE
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)		EXCEED
OC O, PIPING	PP+40, TPHC, pH	G1/E3618	0-6"		PHENOL		LIMITS (PPM)	
SSOCIATED WITH		1	24" (VOLATILES ONLY)		TPHC	122J	50	<u> </u>
DIL & WATER	-	-	LA WOOMLES UNLY			26,300	10,000	X
EPARATOR	· · · · · · · · · · · · · · · · · · ·	- 44 			pH: 7.70 (SU)			
INDER SURFICIAL MATTING)	· · · · · · · · · · · · · · · · · · ·				METALS			
					ANTIMONY	10.6	14	
					ARSENIC	8.18	20	
					CADMIUM	5.39		
manage and					CHROMIUM	59	NO OT NO IS	X
					COPPER	The second secon	NO STANDARD	
						162	600	
	· · · · · · · · · · · · · · · · · · ·				LEAD	1550	400	Х
	· · ·				MERCURY	3.32	14	
	· · · · · · · · · · · · · · · · · · ·				NICKEL	16.8	250	
	· · · · · · · ·				SELENIUM	0.54	63	
					SODIUM	647		
					ZINC	952	1500	
					VOLATILE ORGANICS	352	1500	
				-	1,1-DICHLOROETHANE	0.0051		
					TRICHLOROETHENE	0.005J	10	
		the stream a gap	A REAL PROPERTY OF		A A PROPERTY OF THE PROPERTY O	0.003J	1	
	· · ·		· ·		TOLUENE	0.035	500	
					TETRACHLOROETHENE	0.006	1	
					TOTAL XYLENES	0.001J	10	
· ·			[		1,2-DICHLOROBENZENE	0.001J	50	
					NAPHTHALENE	0.002J	100	· · · · · · · ·
					SEMIVOLATILE ORGANICS			
-					PHENOL	4.1DJ	50	
					PHENANTHRENE	4DJ	NO STANDARD	
					DI-N-BUTYLPHTHALATE	6.3DJ	where the second s	
			· · · · ·		FLUORANTHENE		100	
		the second se			PYRENE	7.8DJ	100	
		· · · · · · · · · · · · · · · · · · ·		l		8.6DJ	100	
	1				BUTYLBENZYLPHTHALATE	4.2DJ	100	
• • •					BENZO[A]ANTHRACENE	4.8DJ	0.9	Х
			1	1	BIS(2-ETHYLHEXYL)PHTHALAT	110DJ	49	X
er e la companya de l			1		CHRYSENE	5.2DJ	9	
					DI-N-OCTYLPHTHALATE	5.1DJ	100	· · · · · · · · · · · · · · · · · · ·
					BENZO[B]FLUORANTHENE	7.8DJ	The summary second second second second	
· · · · ·				[	BENZO[A]PYRENE	f	0.9	X
					INDENO[1,2,3-CD]PYRENE	5.3DJ	0.66	X
				1		3.8DJ	0.9	X
· · · · · · · · · · · · · · · · · · ·				-	BENZO[G,H,I]PERYLENE	3.9DJ	NO STANDARD	
· - [	· ·			ļF	PESTICIDES / PCB's			
		<u> </u>			NONE DETECTED	· · · · · · · · · · · · · · · · · · ·		
		-		Т				
				[		······································	· ·	
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D-INDICATES RESULT IS CALCULATED FROM DILUTION J-INDICATES COMPOUND IS DETECTED BELOW THE MDL

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1. Statement where

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	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC O, PIPING	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS		(PPM)	LIMITS (PPM)	
ASSOCIATED WITH	PP+40, TPHC, pH	G1A / E3619	3'		PHENOL	0.62J	50	LIMITE
					ТРНС	610	10,000	
DIL & WATER				-	pH: 9.91 (SU)	010	10,000	
SEPARATOR					METALS			
UNDER PIPING)					ANTIMONY	6.74	14	
					ARSENIC	3.46		
					CÁDMIUM		20	
					CHROMIUM	4.65		XX
		-			COPPER	11.6	NO STANDARD	
-					LEAD	38.7	600	
		· · · · · · · · ·		1	MERCURY	1250	400	X
		· · ·				1.23	14	
					NICKEL	8	250	
					SODIUM	1460		
		· · ·			ZINC	1900	1500	Х
	· · · ·	·			VOLATILE ORGANICS			
	··· · · ·	··· · · · · · · · ·			TOLUENE	0.004J	500	
		the second		· · · ·	TETRACHLOROETHENE	0.001J	1	
	· · · ·	and the second sec			SEMIVOLATILE ORGANICS			
	and the second second	···· · · · · · ·	·· .		PHENOL	0.086DJ	50	
					BIS(-2-CHLOROETHYL)ETHER	0.13DJ	0.66	
					1,2,4-TRICHLOROBENZENE	0.098DJ	68	
					NAPHTHALENE	0.23DJ	100	
·					2-METHYLNAPHTHALENE		NO STANDARD	
· ·· ·· · · ·					ACENAPHTHENE	0.12DJ	100	
·					FLUORENE	0.088DJ	100	
-		1			PHENANTHRENE		NO STANDARD	
					ANTHRACENE	0.26DJ	100	·· ·- · · ·
······································					FLUORANTHENE	1.2D	100	
· · · · · · · · · · · · · · · · · · ·					PYRENE	1.3D	100	
	-				BENZO[A]ANTHRACENE	0.69DJ	0.9	·
					BIS(2-ETHYLHEXYL)PHTHALAT	0.18DJ	the state of the second s	
					CHRYSENE	0.62DJ	49	
					BENZO[B]FLUORANTHENE	0.82D	9	
			-		BENZOKIJEUORANTHENE		0,9	······
				· · ·	BENZO[A]PYRENE	0.32DJ	0.9	
		11 I I I I I I I I I I I I I I I I I I		· [		0.52DJ	0.66	
					INDENO[1,2,3-CD]PYRENE	0.34DJ	0.9	
				1	DIBENZIA, HIANTHRACENE	0.13DJ	0.66	• • • •
	· .	· · · · · · · · · · · · · · · · · · ·		-	BENZOLG,H,IJPERYLENE	0.4DJ	O STANDARD	
				F	PESTICIDES / PCB's			
					NONE DETECTED		· · · ·	•
	n							
	· · · · ·					· · ·		
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D-INDICATES RESULT IS CALCULATED FROM DILUTION

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J-INDICATES COMPOUND IS DETECTED BELOW THE MDI

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
AOC O, PIPING	PP+40, TPHC, pH	G1B / E3620	N/A	READINGS		(PPM)	LIMITS (PPM)	LIMITS
ASSOCIATED WITH		0107 23020	N/A		CYANIDE	107	1100	
DIL & WATER					PHENOL	880	50	X
SEPARATOR	•				ТРНС	10,200	10,000	X
SUBSTANCE WITHIN PIPE)	· .				pH: 6.82 (SU)			<u>``</u>
					METALS			i
and the second sec					ANTIMONY	10.8	14	
ere e enere e ere e	nn. ,				ARSENIC	4.32	20	
er e					CADMIUM	1		·· ···
energia de la composición de				Į	CHROMIUM	2510		
					COPPER	43.4	NO STANDARD	
					LEAD		600	
					MERCURY	774	400	X
						0.91	14	
	ter to est a			-	NICKEL	14.8	250	
		···· · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		SODIUM	730	NO STANDARD	
					ZINC	605	1500	
		····		· · ·	VOLATILE ORGANICS			
	1 / M == M		-		TRICHLOROETHENE	11DJ	1	X
	A CARLES AND A CARLES				TOLUENE	920D	500	X
• • · · · · · · ·	х.				TETRACHLOROETHENE	360D	1	<u>x</u>
and the second sec	• • • •	· - · · ·			ETHYLBENZENE	56D	100	·
				-	TOTAL XYLENES	250D	10	~~~~~
· .					1,2-DICHLOROBENZENE	12DJ	50	X
- /					NAPHTHALENE	16DJ	100	
				l l	SEMIVOLATILE ORGANICS	1003	100	
					PHENOL	540D		
					1,2-DICHLOROBENZENE	7D	50	X
					2-METHYLPHENOL	12DJ	50	
					2,4-DIMETHYLPHENOL		2800	
					NAPHTHALENE	32DJ	10	X
					2-METHYLNAPHTHALENE	12DJ	100	
		~		· ·	2-METHILINAPHIMALENE		NO STANDARD	Х
					BUTYLBENZYLPHTHALATE	5.4DJ	100	
		· • · ·			BIS(2-ETHYLHEXYL)PHTHALAT	52D	49	X
				+	PESTICIDES / PCB's			
					NONE DETECTED		· · · · · · · · · · · · · · · · · · ·	
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	-							
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					-	·····	*** * *** * ** ************************	
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D-INDICATES RESULT IS CALCULATED FROM DILUTION

J-INDICATES COMPOUND IS DETECTED BELOW THE MOL

AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	CANOLE					
	ANALYZED	LAB SAMPLE ID	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC O, PIPING	PP+40, TPHC, pH	the second se	DEPTH	READINGS		(PPM)	LIMITS (PPM)	· · · · · · · · · · · · · · · · · · ·
ASSOCIATED WITH	, in the firme, pre-	G2 / E3621	3'		PHENOL	3.2	50	LIMITS
OIL & WATER	·				ТРНС	79.6		
SEPARATOR					pH: 7.72 (SU)	/9.0	10,000	
					METALS			
				1				
					ANTIMONY	6.96	14	
					ARSENIC	4.23	20	
					CADMIUM	0.94	1	
	-				CHROMIUM	334	NO STANDARD	• • •
	· .				COPPER	29.7	600	
		1950 - L			LEAD	1090	400	·
	· •				MERCURY	2.91	14	X
	· ·· ·				NIČKEL	17		· · ·····
	- • • •				ZINC	376	250	
	•••• • • · · · · ·			1 1	VOLATILE ORGANICS	3/6	1500	
7					ACETONE	5 3337		-
· =					TOLUENE	0.029	100	
· · · · · · · · · · · · · · · · · · ·						0.027	500	
·· •••••	_	1 C			TETRACHLOROETHENE	0.017	1	
					ETHYLBENZENE	0.003J	100	
					TOTAL XYLENES	0.012	10	
					SEMIVOLATILE ORGANICS			
					PHENOL	0.1J	50	
					4-METHYLPHENOL	2.5	2800	··
			1		ACENAPHTHYLENE		NO STANDARD	
					ACENAPHTHENE	0.04J		·····
		н .			FLUORENE	0.041J	100	
	· · · · · · · · · · · · · · · · · · ·	and a second second		1	PHENANTHRENE	The second		
					ANTHRACENE	the second se	NO STANDARD	
				1	DI-N-BUTYLPHTHALATE	0.14J	100	
	· _			1	FLUORANTHENE	0.19J	100	
	1				PYRENE	0.94	100	
						1.2	100	
			·	6	BENZO[A]ANTHRACENE	0.66	0.9	
				E	IS(2-ETHYLHEXYL)PHTHALAT	0.074J	49	· ····
					CHRYSENE	0.62J	9	
	-				BENZO[B]FLUORANTHENE	0.73	0.9	
	· · ·	• • • •			BENZO[K]FLUORANTHENE	0.24J		
	· · ·		1		BENZO[A]PYRENE	0.61	0.9	
					INDENO[1,2,3-CD]PYRENE		0.66	
<sup>2</sup> .					DIBENZIA, HJANTHRACENE	0.11J	0.9	•
· · · · · · · · · · · ·				ļ	BENZOIG HUDEDVIEWE	0.13J	0.66	
········				6	BENZO[G,H,I]PERYLENE ESTICIDES / PCB's	0.53 N	O STANDARD	
				<b>r</b>	NONE DETERT			
					NONE DETECTED			
					-			
· · · · · · · · · · · · · · · · · · ·	LCULATED FROM DILU							

J-INDICATES COMPOUND IS DETECTED BELOW THE MDL

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	PARAMETERS ANALYZED	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC O, PIPING	DD: 10 TOUG	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)		
SECONTED WITH	PP+40, TPHC, pH	G4 / E3643	3'			(PPW)	LIMITS (PPM)	LIMITS
ASSOCIATED WITH								
OIL & WATER				1			· · · · · ·	
SEPARATOR					pH: 8.39 (SU)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · ·	·
UNDER PIPE)					METALS			
					ANTIMONY	20.0	· · · · · ·	
	4				ARSENIC	20.9	14	Х
						4.28	20	
					CADMIUM	3.48	1	X
					CHROMIUM	20.3	NO STANDARD	
					COPPER	19.5	600	
					LEAD	438	· · · · · ·	
			ļ		MERCURY		400	X
						1.81	14	
					NIČKEL	7.89	250	
					ZINC	1010	1500	······································
	•				VOLATILE ORGANICS	1		
					NONE DETECTED			·
					SEMIVOLATILE ORGANICS			
				с. С	DUENILE ORGANICS			
		1.7.7. <del>7.7.</del> 1	1		PHENANTHRENE	0.049J	NO STANDARD	
	· · ·	-			FLUORANTHENE	0.074J	100	
	14 - La Calandaria	-			PYRENE	0.062J		
· · · -				ſ	<b>BENZO</b> [A]ANTHRACENE		100	
			1	1	CHRYSENE	0.063J	0.9	
					CHRISENE	0.059J	9	· ··· ·
					BENZO[B]FLUORANTHENE	0.051J	0.9	··
				l	BENZOJAJPYRENE	0.043J	1. 2.8 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	
	.	1		[	PESTICIDES / PCB's	0.0400	0.66	
	[				NONE DETECTED			
	1							
••• ••••••			1			1 1		
				1				
		1						··· ·
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	- · · · - · ·				· · ·	·	······································	
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Martin Statistics

AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	
AOC O, PIPING		LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)		EXCEEDS
SSOCIATED WITH	PP+40, TPHC, pH	G5 / E3638	3'	1		(FFM)	LIMITS (PPM)	LIMITS
DIL & WATER								
	ke s			-	pH: 8.29 (SU)			
SEPARATOR	· · · · · ·				METALS			
UNDER PIPE)	_							
					ANTIMONY	3.69	14	
					ARSENIC	5.61	20	·
					BERYLLIUM	0.68	1	
· · · ·	× -				CADMIUM	2.67	1	X
	· .	1			CHROMIUM	33.4	NO STANDARD	
••••					COPPER	26.5	600	
· · · · · · · · · · · · · · · · · · ·			-		LEAD	170	400	
and the second second second					MERCURY	1.41		
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			NICKEL	10.7	14	
	and an end of the second			1	ZINC		250	
				· · · ·	VOLATILE ORGANICS	227	1500	
					NONE DETECTED			
			· · ·	· ·	SEMIVOLATILE ORGANICS			
			** · ·					
		****			PHENANTHRENE	0.052J	NO STANDARD	
		1			FLUORANTHENE	0.078J	100	
					PYRENE	0.065J	100	·····
					BENZO AJANTHRACENE	0.039J	0.9	
					BIS(2-ETHYLHEXYL)PHTHALATE	0.044J	49	
					CHRYSENE	0.046J		
			[		BENZO[B]FLUORANTHENE	0.044J		
· · · · · · · · · ·	e e e e e e e e e e e e e e e e e e e				PESTICIDES / PCB's		0.9	
					NONE DETECTED		· · · · · · · · · · · · · · · · · ·	

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REA OF CONCERN	PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEE
AOC D2, LOADING	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMIT
RAMP	PP+40, TPHC, pH	13 / E3639	0-6"			<i></i>		
, IVAMP			24" (VOLATILES ONLY	)	PHENOL	0.68J	50	
					pH: 7.6 (SU)			
					METALS			
					ANTIMONY	2.13	14	
	,				ARSENIC	20	20	
					CHROMIUM	11.9	NO STANDARD	
					COPPER	72.2	600	
					LEAD	955	400	v
					MERCURY	1.8	1	X
					NICKEL	10.1	14 250	
					SELENIUM	1.68	250 63	
					ZINC	149	1500	
					VOLATILE ORGANICS	145	1500	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
				PHENOL	0.68DJ	50		
					NAPHTHALENE	1.1DJ	100	
					2-METHYLNAPHTHALENE	1 1	NO STANDARD	
					ACENAPHTHYLENE		NO STANDARD	
					ACENAPHTHENE	3D	100 100 100 100 100 100 100 100 100 100	
					DIBENZOFURAN	{		
					FLUORENE	2.3D	NO STANDARD 100	
					PHENANTHRENE		NO STANDARD	
					ANTHRACENE	4.7D		
					DI-N-BUTYLPHTHALATE	11D	100 100	
					FLUORANTHENE	14D	100	
					PYRENE	14D	100	
					BENZO[A]ANTHRACENE	6.7D	0.9	v
					CHRYSENE	6.6D	9	Х
					BENZO[B]FLUORANTHENE	4.5D	0.9	~
					BENZO[K]FLUORANTHENE	4.8D	0.9	X
					BENZO[A]PYRENE	5.1D		X
				[	INDENO[1,2,3-CD]PYRENE	2.2D	0.66	X
					DIBENZ[A,H]ANTHRACENE	1.4DJ	0.9	X
					BENZOIG,H,IJPERYLENE	1	0.66	Х
				le l	PESTICIDES / PCB's	2.20	O STANDARD	
				ľ	NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION	NJDEP	EXCEE
AOC E, YARD AREA	PP+40, TPHC, pH	D12 / E3698	0-6"	THEADINGS	DETECTED	(PPM)	LIMITS (PPM)	
			24" (VOLATHES ONLY)					1
					ТРНС			
						360	10,000	
					pH: 8.60 (SU)			
					METALS			
					ANTIMONY	9.67	14	
					ARSENIC	44.2	20	v
					CADMIUM	1.78	1	X X
					CHROMIUM	88.4	NO STANDARD	
					COPPER	8770	600	
					LEAD	808		X
					MERCURY	4.44	400	Х
					NICKEL	18.6	14	
					SILVER	1.19	250	
					ZINC	582	110	
					VOLATILE ORGANICS	502	1500	
					NAPHTHALENE	0.008		
				1	SEMIVOLATILE ORGANICS	0.000	100	
					PHENOL	0.0101		
					ACENAPHTHYLENE	0.61DJ	50	
				1	ACENAPHTHENE	0.83DJ	NO STANDARD	
					FLUORENE	0.61DJ	100	
					PHENANTHRENE	0.59DJ	100	
					ANTHRACENE	7.2D	NO STANDARD	
					DI-N-BUTYLPHTHALATE	2DJ	100	
						1.5DJ	100	
				1	FLUORANTHENE	12D	100	
					PYRENE	14D	100	
					BENZO[A]ANTHRACENE	7.3D	0.9	х
					BIS(2-ETHYLHEXYL)PHTHALATE	0.46DJ	49	~
				1	CHRYSENE	7.2D	9	
					BENZO[B]FLUORANTHENE	7D	0.9	x
				1	BENZO[K]FLUORANTHENE	6.8D	0.9	
					BENZO[A]PYRENE	7.2D	0.66	X
					INDENO[1,2,3-CD]PYRENE	4.7D	0.88	X
					DIBENZ[A,H]ANTHRACENE	2.6DJ		X
				L	BENZO(G,H,I)PERYLENE	1	0.66	x
				P	ESTICIDES / PCB's	<u> </u>	O STANDARD	
					NONE DETECTED	1		

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D13 / E3703	0-6"	1	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
•			24" (VOLATILES ONLY	•				
					ТРНС	10.100		
					pH: 8.24 (SU)	10,100	10,000	X
					METALS			
					ANTIMONY ARSENIC	1.01 5.18	14	
					CADMIUM	5.88	20	
					CHROMIUM	1	1	X
					COPPER	41.3	NO STANDARD	
					LEAD	890	600	
					MERCURY	2.36	400	Х
					NICKEL	26.5	14 250	
					ZINC	455	1500	
					VOLATILE ORGANICS		1300	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	8.8DJ	NO STANDARD	
					FLUORANTHENE	8.7DJ	100	
					PYRENE	12DJ	100	
					BENZO[A]ANTHRACENE CHRYSENE	5.2DJ	0.9	Х
				ł	BENZO[B]FLUORANTHENE	6.2DJ	9	
					BENZO[K]FLUORANTHENE	4DJ	0.9	Х
					BENZO[A]PYRENE	4.5DJ	0.9	х
					INDENO[1,2,3-CD]PYRENE	4.3DJ	0.66	Х
					BENZO[G,H,I]PERYLENE	2.1DJ	0.9	х
				1	PESTICIDES / PCB's	2.6DJ	NO STANDARD	
				1	NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D14 / E3699	0-6"		DEILCIED	(PPM)	LIMITS (PPM)	LIMITS
•		:	24" (VOLATILES ONLY	<b>'</b> )				
					ТРНС	450		L
					pH: 8.34 (SU)	450	10,000	
					METALS			
					ANTIMONY	1 40.0		
					ARSENIC	18.8	14	Х
					CADMIUM	5.73	20	
					CHROMIUM	1	1	
					COPPER	16.8	NO STANDARD	
					LEAD	200	600	
					MERCURY	1190	400	Х
					NICKEL	10.6	14	
					ZINC	9.47	250	
					VOLATILE ORGANICS	957	1500	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	0.88DJ		
					ANTHRACENE	0.22DJ	NO STANDARD	
					FLUORANTHENE	1.6DJ	100	
					PYRENE	1.8DJ	100	
					BENZO[A]ANTHRACENE	0.88DJ	100	
					CHRYSENE	0.98DJ	0.9	
					BENZO[B]FLUORANTHENE	0.88DJ	9	
					BENZO[K]FLUORANTHENE	0.59DJ	09	
					BENZO[A]PYRENE	0.35DJ	0.9	
				1	INDENO[1,2,3-CD]PYRENE	0.44DJ	0.66	X
					DIBENZ[A,H]ANTHRACENE	0.23DJ	9.0	
					BENZO[G,H,I]PERYLENE		0.66	
				Ī	PESTICIDES / PCB's	0.4003	NO STANDARD	
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D15/E3700	0-6"	THEADINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
•			24" (VOLATILES ONLY		CYANIDE			
				,	ТРНС	1.29	1,100	
						133	10,000	
					pH: 8.34 (SU)			
					METALS			
					ANTIMONY	121	14	х
					ARSENIC	7.66	20	
					CADMIUM	1.08	1	х
					CHROMIUM	20.7	NO STANDARD	
					COPPER	103		
					LEAD	6580	600	
					MERCURY		400	Х
					NICKEL	18.3	14	х
					ZINC	10.6	250	
					VOLATILE ORGANICS	443	1500	
					TRICHLOROETHENE	0.005.1		
					TETRACHLOROETHENE	0.005J	1	
					SEMIVOLATILE ORGANICS	0.012	1	
					NAPHTHALENE			
					ACENAPHTHYLENE	0.059J	100	
							NO STANDARD	
					ACENAPHTHENE	0.17J	100	
					DIBENZOFURAN	0.091J	NO STANDARD	
					FLUORENE	0.16J	100	
				1	PHENANTHRENE	1.9	NO STANDARD	
					ANTHRACENE	0.5	100	
					FLUORANTHENE	2.6	100	
					PYRENE	3.2	100	
					BENZO[A]ANTHRACENE	1.7	0.9	v
				1	BIS(2-ETHYLHEXYL)PHTHALATE	0.41	49	X
					CHRYSENE	1.8	49 9	
					BENZO[B]FLUORANTHENE	1.8	1	
					BENZO[K]FLUORANTHENE	1.6	0.9	X
				1	BENZO[A]PYRENE	1.6	0.9	X
					INDENO[1,2,3-CD]PYRENE		0.66	Х
					DIBENZ[A,H]ANTHRACENE	1.2	0.9	Х
			BENZO[G,H,I]PERYLENE	0.66	0.66			
				h	PESTICIDES / PCB's	<u> </u>	NO STANDARD	
				'				
				l	NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D16 / E3695	0-6"	TICADINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
			24" (VOLATILES ONLY)				,	
			,		ТРНС			
					pH: 8.42 (SU)	3590	10,000	
					METALS			
					ANTIMONY			
					ARSENIC	10	14	
					CADMIUM	24	20	Х
					CHROMIUM	3.43	1	х
						41.5	NO STANDARD	
					COPPER	108	600	
					LEAD	750	400	х
					MERCURY NICKEL	2.17	14	
					ZINC	23.2	250	
				t i i i i i i i i i i i i i i i i i i i	VOLATILE ORGANICS	728	1500	
				1	NONE DETECTED			
				l. It	SEMIVOLATILE ORGANICS			
					ACENAPHTHENE			
					FLUORENE	1.1DJ	100	
					PHENANTHRENE	1.2DJ	100	
					ANTHRACENE	11D	NO STANDARD	
					DI-N-BUTYLPHTHALATE	3DJ	100	
					FLUORANTHENE	4DJ	100	
					PYRENE	15D	100	
					BENZOJAANTHRACENE	15D	100	
					CHRYSENE	8.6DJ	0.9	Х
					BENZO[B]FLUORANTHENE	8.7DJ	9	
					BENZO[K]FLUORANTHENE	8.3DJ	09	х
					BENZO[A]PYRENE	8DJ	0.9	х
					INDENO[1,2,3-CD]PYRENE	7.3DJ	0.66	х
					DIBENZ[A,H]ANTHRACENE	4.9DJ	0.9	Х
					BENZO[G,H,I]PERYLENE	2.5DJ	0.66	х
				P	ESTICIDES / PCB's	5.9DJ N	O STANDARD	
				ľ	NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	DADAMETERS			
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC C4, PIT WITH	TPHC, PP+40	C4A/F4642	SEDIMENT		DETECTED	(PPM)	LIMITS (PPM)	LIMITS
METAL FRAME;		04/01 4042	SEDIMENT	1.0	CYANIDE	1.29	1,100	
DRUM WASHING					ТРНС	52,800	10,000	X
AREA					METALS			
					ARSENIC	2.27	20	
					CADMIUM	188	1	х
					CHROMIUM	807	NO STANDARD	
	ļ				COPPER	314	600	
					LEAD	3,470	400	х
					MERCURY	1.29	14	~
					NICKEL	105	250	
					SILVER	12,4	110	
					ZINC	1,390	1,500	
					VOLATILE ORGANICS			
					METHYLENE CHLORIDE	5.600D	1	х
					TRICHLOROETHENE	2.700D	1	x
					TOLUENE	0.650D	500	^
					TETRACHLOROETHENE	0.900D	1	
					TOTAL XYLENES	0.500D	10	
					STYRENE	0.810D	23	
					1,2-DICHLOROBENZENE	0.380D	50	
					NAPHTHALENE	0.490D	100	
				ļ	SEMIVOLATILE ORGANICS	0.1000	100	
					BIS(2-ETHYLHEXYL)PHTHALATE	15.000DJ	49	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	1		
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS		CONCENTRATION	NJDEP	EXCEED
AOC C4, PIT WITH	TPHC, PP+40	C4B/F4643	2.0	0.0	DETECTED TPHC	(PPM)	LIMITS (PPM)	LIMITS
METAL FRAME;			2.0	0.0	METALS	16,700	10,000	Х
DRUM WASHING								
AREA					ARSENIC	1.34	20	
					BERYLLIUM	0.50	1	
					CADMIUM	70.3	1	Х
					CHROMIUM	236	NO STANDARD	
					COPPER	109	600	
					LEAD	1,046	400	Х
					MERCURY	1.09	14	
					NICKEL	34.1	250	
					SILVER	43.8	110	
					ZINC	688	1,500	
					VOLATILE ORGANICS			
					METHYLENE CHLORIDE	20.000D	1	Х
					TRICHLOROETHENE	7.800D	1	Х
					TOLUENE	2.100D	500	
					TETRACHLOROETHENE	9.300D	1	Х
					ETHYLBENZENE	0.350D	100	
					TOTAL XYLENES	1.400D	10	
			1		STYRENE	2.200D	23	
			1		1,2-DICHLOROBENZENE	1.100D	50	
					NAPHTHALENE	0.340D	100	
				ŀ	CIS-1,2-DICHLOROETHENE	3.600D	1	x
				[	SEMIVOLATILE ORGANICS			
	<u>l</u>				BIS(2-ETHYLHEXYL)PHTHALATE	20.000D	49	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC C5, PIT WITH	ANALYZED TPHC, PP+40	LAB SAMPLE ID	DEPTH	READINGS		(PPM)	LIMITS (PPM)	LIMITS
METAL FRAME;	1PHC, PP+40	C5A/F4648	SEDIMENT	1.0	ТРНС	274	10,000	
DRUM RINSING					METALS		1	
AREA					ARSENIC	2.39	20	
AREA					CADMIUM	2.28	1	х
					CHROMIUM	28.9	NO STANDARD	^
					COPPER	42.5	600	
					LEAD	290	400	
					MERCURY	0.25	14	
					NICKEL	14.6	250	
					ZINC	365	1,500	
					SEMIVOLATILE ORGANICS		1,500	
					PHENOL	1.800D	50	
					NAPHTHALENE	0.240D	50	
					ACENAPHTHENE	0.390D	100	
1	1				DIBENZOFURAN		100	
					PHENANTHRENE	0.280DJ 2.700D	NO STANDARD	
	1				ANTHRACENE	0.650D	NO STANDARD	
					CARBAZOLE		100	
					DI-N-BUTYLPHTHALATE	0.360D	NO STANDARD	
					FLUORANTHENE	0.810D	100	
					PYRENE	2.500D	100	
					BENZO(A)ANTHRACENE	1.700D	100	
					BIS(2-ETHYLHEXYL)PHTHALATE	0.920D	0.9	Х
					CHRYSENE	1.800D	49	
						0.920D	9	
					BENZO(B)FLUORANTHENE	1.100D	0.9	Х
					BENZO(K)FLUORANTHENE	0.400D	0.9	
					BENZO(A)PYRENE	0.810D	0.66	Х
					INDENO(1,2,3-CD)PYRENE	0.460	0.9	
	TPHC, PP+40	C5B/F4649			BENZO(G,H,I)PERYLENE METALS	0.380	NO STANDARD	
					ARSENIC	2.15	20	
				1	CHROMIUM		NO STANDARD	
		[			COPPER	2.49	600	
				-	ZINC	29.1	1,500	
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	0.067J	NO STANDARD	
			1		DI-N-BUTYLPHTHALATE	0.048J	100	
				l	FLUORANTHENE	0.068	100	
					PYRENE	0.059J	100	
			1		BIS(2-ETHYLHEXYL)PHTHALATE	0.071J	49	
					BENZO(B)FLUORANTHENE	0.037J	0.9	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC CC, PIT;	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
BUILDING #2	TPHC, PP+40	CC/F4747	2.5'	2.0	CYANIDE	0.54	1100	2
DUILDING #2					ТРНС	44.3	10,000	
					METALS			
					ARSENIC	8.52	20	
					CADMIUM	0.96	1	
					CHROMIUM	17.4	NO STANDARD	
					COPPER	47.9	600	
					LEAD	1,000	400	х
					MERCURY	0.73	14	~
					NICKEL	9.06	250	
	1				SELENIUM	1.07	63	
					ZINC	281	1,500	
				SEMIVOLATILE ORGANICS		1,000		
				NAPHTHALENE	0.450D	100		
					2-METHYLNAPHTHALENE	0.310D	NO STANDARD	
					ACENAPHTHYLENE	0.770D	NO STANDARD	
					ACENAPHTHENE	1.300D	100	
				ĺ	DIBENZOFURAN	0.920D	NO STANDARD	
					FLUORENE	0.960D	100	
					PHENANTHRENE	14,000D	NO STANDARD	
					ANTHRACENE	2.500D	100	
					CARBAZOLE	2.000D	NO STANDARD	
					DI-N-BUTYLPHTHALATE	2.700D	100	
					FLUORANTHENE	18.000D	100	
					PYRENE	14.000D	100	
		ł	ĺ		BENZO(A)ANTHRACENE	10.000D	0.9	х
					CHRYSENE	8.900D	9	~
					BENZO(B)FLUORANTHENE	16.000D	0.9	х
			1		BENZO(K)FLUORANTHENE	6.900D	0.9	x
			1	ĺ	BENZO(A)PYRENE	10.000D	0.66	x
					INDENO(1,2,3-CD)PYRENE	5.300D	0.9	x
		1			DIBENZ(A,H)ANTHRACENE	1.900D	0.66	x
					BENZO(G,H,I)PERYLENE		NO STANDARD	~

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
AOC P1, ELEVATOR	TPHC, PP+40	P1A/F4721	5.0'	0.0	METALS			
SHAFTS					ARSENIC	1.96	20	
					CHROMIUM	9.37	NO STANDARD	
					COPPER	11.2	600	
					LEAD	162	400	
	•				NICKEL	5.16	250	
					ZINC	49.0	1,500	
				SEMIVOLATILE ORGANICS		1,000		
				PHENANTHRENE	0.098	NO STANDARD		
				FLUORANTHENE	0.120	100		
				PYRENE	0.086	100		
				BENZO(A)ANTHRACENE	0.044	0.9		
					CHRYSENE	0.056J	9	
					BENZO(B)FLUORANTHENE	0.058J	0.9	
TPHC, PP+40				BENZO(A)PYRENE	0.040J	0.66		
	P1B/F4722			METALS	0.0403	0.00		
					ARSENIC	2.35	20	
					CHROMIUM	8.58	NO STANDARD	
					COPPER	16.0	600	
					LEAD	608	400	х
					MERCURY	2.15	14	^
					ZINC	71.3	1,500	
					SEMIVOLATILE ORGANICS	1.0	1,500	
					PHENANTHRENE	0.160	NO STANDARD	
					ANTHRACENE	0.038J	100	
					FLUORANTHENE	0.210	100	
					PYRENE	0.160	100	
					BENZO(A)ANTHRACENE	0.095	0.9	
					CHRYSENE	0.110	9	
					BENZO(B)FLUORANTHENE	0.120	0.9	
					BENZO(K)FLUORANTHENE	0.055J	0.9	
		1	1		BENZO(A)PYRENE	0.094	0.66	
					INDENO(1,2,3-CD)PYRENE	0.056J	0.9	
Ļ					BENZO(G,H,I)PERYLENE		NO STANDARD	
	TPHC, PP+40	P1C/F4719			METALS			
				[	ARSENIC	1.46	20	
					CHROMIUM		NO STANDARD	
			1		COPPER	3.77		
					NICKEL	5.42	600	
					ZINC	19.2	250	
			L			13.2	1,500	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE	PID	CAMDEN COUNTY, NJ PARAMETERS	CONCENTRATION	1	<b>-</b>
AOC P1, ELEVATOR	TPHC, PP+40	P1D/F4720	DEPTH 5.0'	READINGS	5 DETECTED	(PPM)	NJDEP LIMITS (PPM)	EXCEE
SHAFTS			5.0	0.0	ТРНС	32.8	10,000	LIMITS
					METALS ARSENIC CHROMIUM COPPER LEAD MERCURY NICKEL ZINC	1.25 41.0 36.1 412 0.29 7.05 73.0	20 NO STANDARD 600 400 14 250 1,500	x
OC P2, ELEVATOR SHAFTS	TPHC, PP+40	P2A/F4723	5.0'	0.0	SEMIVOLATILE ORGANICS 4-METHYLPHENOL FLUORANTHENE PYRENE CHRYSENE BENZO(B)FLUORANTHENE BENZO(A)PYRENE METALS	0.430D 0.090D 0.081DJ 0.075DJ 0.120DJ 0.078DJ	2800 100 100 9 0.9 0.66	
-	TPHC, PP+40	P2B/F4724	5.0'		ARSENIC CHROMIUM COPPER ZINC METALS	1.32 7.96 2.23 20.5	20 NO STANDARD 600 1,500	
				ARSENIC CHROMIUM COPPER LEAD ZINC SEMIVOLATILE ORGANICS	4.63 6.76 31.3 285 969	20 NO STANDARD 600 400 1,500		
				L	DI-N-BUTYLPHTHALATE	0.059J	100	

AOC P2 ELEVATOR SHAFT	TPHC, PP+40	PX/F4746	N/A	0.0	TPHC METALS	708	NO STANDARD	]
					CADMIUM LEAD ZINC SEMIVOLATILE ORGANICS	0.019 0.131 0.03	0.004 0.010 5	x x
	l		· <u> </u>		BIS(2-ETHYLHEXYL)PHTHALATE	0.020	0.030	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID					
	ANALYZED	LAB SAMPLE ID	1		PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS	l.
	AIMETZED	LAD SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS	1

AOC O	PP+40	MW-1/G0898	N/A	10.0	METALS PPB	PPB	PPB	1
SEPARATOR					CHROMIUM	10	1000	
3/15/99				[	LEAD	9	10	
3/15/99					ZINC	60	5000	
					VOLATILE ORGANICS			ł
					VINYL CHLORIDE	140	5	x
					CHLOROETHANE	100	NO STANDARD	
					METHYLENE CHLORIDE	100D	2	x
					1,1-DICHLOROETHANE	200D	70	Â
					1,1,1-TRICHLOROETHANE	46D	30	x
					BENZENE	11D	1	x
					TRICHLOROETHENE	12	1	x
					1.2-DICHLOROPROPANE	14D	1	x
					TOLUENE	210	1000	
					ETHYLBENZENE	62D	700	х
					TOTAL XYLENES	230D	40	x
					CIS-1,2-DICHLOROETHENE	210	NO STANDARD	
					1,2-DICHLOROBENZENE	35D	600	
					SEMIVOLATILE ORGANICS			
					PHENOL	43D	4,000	
			1		1,4-DICHLOROBENZENE	3	600	
					1.2-DICHLOROBENZENE	20	600	
					2-METHYLPHENOL	15	NO STANDARD	
					4-METHYLPHENOL	57	NO STANDARD	
			I		DIETHYL PHTHALATE	5	5,000	

AOC O,E ANDJ OIL/WATER	PP+40	MW-2/G0899	N/A	0.0	METALS PPB	PPB	PPB	T
SEPARATOR					COPPER	10	1000	<u> </u>
				1	LEAD	15		
DRUM STORAGE					ZINC	30	10	
					SEMIVOLATILE ORGANICS		5,000	
					BIS(2-ETHYLHEXYL)PHTHALATE	1D	30	
AOC O,E ANDJ	PP+40	MW-3/G0900	N/A	0.0	METALS PPB			
				0.0		PPB	PPB	
OILWATER					CHROMIUM	10	100	1
SEPARATOR					COPPER	20	1000	[
					LEAD	102	10	x
DRUM STORAGE					MERCURY	.4	2	
					ZINC	40	5,000	
			ĺ		SEMIVOLATILE ORGANICS		1	
					BIS(2-ETHYLHEXYL)PHTHALATE	1D	30	

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#### SAMPLING SUMMARY AND ANALYTICAL RESULTS AABCO STEEL DRUM, INC. CITY OF CAMDEN, CAMDEN COUNTY, NJ

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
100.10 505155	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AOC A2, FORMER	PP+40, pH, TPHC	C1 / E3577			ТРНС	40.9	10000	LIMITO
NEUTRALIZATION	TOTAL SODIUM				pH: 7.00 (SU)		10000	
AST					METALS	······································		
					ARSENIC	1.54	20	
				1	CHROMIUM	15.2	NO STANDARD	
	•				COPPER	7.41	600	
					NICKEL	10.9	250	
					ZINC	39.8	1500	
					VOLATILE ORGANICS			
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					BIS(2-ETHYLHEXYL)PHTHALAT	0.089J	49	
				PESTICIDES / PCB's				
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
100.10.5001155	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AOC A2, FORMER	PP+40, pH, TPHC	C2 / E3597			ТРНС	NONE DETECTED	10000	LIMITO
NEUTRALIZATION	TOTAL SODIUM				pH: 9.19 (SU)		10000	
AST				1	METALS			
					ARSENIC	3.21	20	
					CHROMIUM	9.30	NO STANDARD	
	•				COPPER	5.42	600	
					LEAD	32.3	400	
					MERCURY	1.15	14	
					ZINC	20.8	1500	
					VOLATILE ORGANICS			
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	0.25J	NO STANDARD	
					ANTHRACENE	0.049J	100	
					DI-N-BUTYLPHTHALATE	0.075J	100	
					FLUORANTHENE	0.24J	100	
					PYRENE	0.28J	100	
					BENZO(A)ANTHRACENE	0.13J	0.9	
					BIS(2-ETHYLHEXYL)PHTHALAT	0.059J	49	
					CHRYSENE	0.14J	9	
					BENZO(B)FLUORANTHENE	0.085J	0.9	
					BENZO(K)FLOURANTHENE	0.077J	0.9	
					BENZO(A)PYRENE	0.096J	0.66	
					INDENO(1,2,3-CD)PYRENE	0.048J	0.9	
				ļ	BENZO(G,H,I)PERYLENE	0.08J	NO STANDARD	
					PESTICIDES / PCB's			
l					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
OC D3, RAISED	PP+40, TPHC, pH	B1 / E3531	DEPTH	READINGS		(PPM)	LIMITS (PPM)	
OADING AREA	ri io, ri no, pri	D1/E3031	0-6"		PHENOL	8.5J	50	
			24" (VOLATILES ONLY)		ТРНС	10,400	10,000	Х
					pH: 8.61 (SU)			
					METALS	1	·	
	•				ANTIMONY	3.51	14	
					ARSENIC	4.31	20	
					BERYLLIUM	1.19	1	Y
				CADMIUM	19		X X	
				CHROMIUM	53.9	NO STANDARD	^	
				COPPER	152	600		
				LEAD	428	400	v	
				MERCURY	1.31		х	
				NICKEL	453	14		
				SILVER	7.31	250	х	
				ZINC	1	110		
					VOLATILE ORGANICS	2020	1500	<u> </u>
					METHYLENE CHLORIDE	0.00		
					1,1-DICHLOROETHANE	6.5D	1	Х
·					1,1,1-TRICHLOROETHANE	0.27DJ	10	
					TRICHLOROETHENE	12D	50	
			1			15D	1	Х
					TOLUENE	26D	500	
					TETRACHLOROETHENE	13D	1	х
				[	CHLOROBENZENE	0.45DJ	1	
					ETHYLBENZENE	8.3D	100	
					TOTAL XYLENES	34D	10	х
					STYRENE	2.9D	23	
					1,3-DICHLOROBENZENE	0.52DJ	100	
					1,4-DICHLOROBENZENE	2.1D	100	
					1,2-DICHLOROBENZENE	28D	50	
				-	NAPHTHALENE	11D	100	
1				1	SEMIVOLATILE ORGANICS			······
					PHENOL	8.5DJ	50	
					BIS(-2-CHLOROETHYL)ETHER	4.1DJ	0.66	x
					1,2-DICHLOROBENZENE	18DJ	50	^
					NAPHTHLENE	8.8DJ	100	
					2-METHYLNAPHTHALENE			
					DI-N-BUTYLPHTHALATE	9.7DJ	IO STANDARD	
					BIS(2-ETHYLHEXYL)PHTHALATE	30D	100	
				P	ESTICIDES / PCB's		49	·
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
AOC C1,	TPHC, PP+40	C1/F4745	2'	2.0	ТРНС	42.9	10,000	
DRUM WASHING					METALS			
AREA					ARSENIC	2.46	20	
					CHROMIUM	7.15	NO STANDARD	
					COPPER	33.0	600	
					LEAD	301	400	
					MERCURY	0.36	14	
					ZINC	1,020	1,500	
					VOLATILE ORGANICS			
				· · · · ·	TRICHLOROETHENE	0.190D	1	
					TERTRACHLOROETHENE	1.400D	1	х
					SEMIVOLATILE ORGANICS	1		
					1,2,4-TRICHLOROBENZENE	0.110	68	
				NAPHTHALENE	0.040	100		
					HEXACHLOROBUTADIENE	0.046	1	
					ACENAPHTHYLENE	0.056J	NO STANDARD	
					ACENAPHTHENE	0.058J	100	
					DIBENZOFURAN	0.052J	NO STANDARD	
					FLUORENE	0.060J	100	
					PHENANTHRENE	0.640	NO STANDARD	
					ANTHRACENE	0.160	100	
					CARBAZOLE	0.078	NO STANDARD	
					FLUORANTHENE	0.680	100	
					PYRENE	0.460	100	
					BENZO(A)ANTHRACENE	0.320	0.9	
					CHRYSENE	0.320	9	
					BENZO(B)FLUORANTHENE	0.430	0.9	
				BENZO(K)FLUORANTHENE	0.170	0.9		
					BENZO(A)PYRENE	0.280	0.66	
					INDENO(1,2,3-CD)PYRENE	0.150	0.9	
					DIBENZ(A,H)ANTHRACENE	0.051J	0.66	
					BENZO(G,H,I)PERYLENE	0.140	NO STANDARD	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
AOC C1, DRUM	TPHC, PP+40	C1A/F4650	1.0'	2.0	METALS	<u>  (, , , , , , , , , , , , , , , , , , ,</u>		LIMITO
WASHING AREA					ARSENIC	6.65	20	
AND ASSOCIATED					CHROMIUM	9.80	NO STANDARD	
PIPING				1	COPPER	34.8	600	
					LEAD	300	400	
				NICKEL	7.20	250		
				ZINC	177	1,500	2 -	
				VOLATILE ORGANICS		1,500		
				TRICHLOROETHENE	1.400D		v	
				TETRACHLOROETHENE	2.100D	1	X	
				SEMIVOLATILE ORGANICS	2.1000	1	X	
				PHENANTHRENE	0.710D	NO STANDARD		
					ANTHRACENE	0.160		
					CARBAZOLE	0.075DJ	100	
			FLUORANTHENE	0.980D	NO STANDARD			
				PYRENE	1	100		
			BENZO(A)ANTHRACENE	0.620D	100			
					CHRYSENE	0.440D	0.9	
					BENZO(B)FLUORANTHENE	0.490D	9	
					BENZO(K)FLUORANTHENE	0.680D	0.9	
					BENZO(A)PYRENE	0.200D	0.9	
					INDENO(1,2,3-CD)PYRENE	0.400D	0.66	
					DIBENZ(A,H)ANTHRACENE	0.360D	0.9	
						0.110DJ	0.66	
ł	TPHC, PP+40	C1B/F4713			BENZO(G,H,I)PERYLENE	0.310D	NO STANDARD	
		010/14/10			METALS	1,850	10,000	
1					ARSENIC	0.70		
					CADMIUM	0.79	20	
					CHROMIUM	0.62	1	
					COPPER	41.9	NO STANDARD	
					LEAD	9.18	600	
					ZINC	88.3	400	
			[		VOLATILE ORGANICS	120	1,500	
				· .				
					TRICHLOROETHENE	3.600D	1	х
					TETRACHLOROETHENE	2.700D	1	X
	[	1	1		SEMIVOLATILE ORGANICS			
		l			PHENANTHRENE		NO STANDARD	
					FLUORANTHENE	0.390D	100	
					PYRENE	0.420DJ	100	
					BIS(2-ETHYLHEXYL)PHTHALATE	2.600D	49	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC C2, DRUM	TPHC, PP+40	C2A/F4644	SEDIMENT	1.0	CYANIDE	(PPM)	LIMITS (PPM)	LIMITS
WASHING AREA					ТРНС	4.26	1,100	
AND ASSOCIATED					METALS	5,130	10,000	
PIPING					ARSENIC CADMIUM CHROMIUM COPPER LEAD MERCURY NICKEL SILVER ZINC VOLATILE ORGANICS 1,1,1-TRICHLOROETHANE	5.81 74.6 223 378 2,320 0.60 126 9.69 13,200	20 1 NO STANDARD 600 400 14 250 110 1,500	x x x
					TRICHLOROETHENE TOLUENE TETRACHLOROETHENE NAPHTHALENE SEMIVOLATILE ORGANICS	0.840D 0.860D 0.150D 0.400D 0.190D	50 1 500 1 100	
					PHENANTHRENE ANTHRACENE DI-N-BUTYLPHTHALATE FLUORANTHENE PYRENE BENZO(A)ANTHRACENE BIS(2-ETHYLHEXYL)PHTHALATE CHRYSENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE BENZO(K)FLUORANTHENE BENZO(A)PYRENE INDENO(1,2,3-CD)PYRENE DIBENZ(A,H)ANTHRACENE	11.000D 2.800DJ 38.000D 33.000D 24.000D 14.000D 11.000D 17.000D 30.000D 13.000D 20.000D 13.000D 3.500DJ	NO STANDARD 100 100 100 0.9 49 9 0.9 0.9 0.9 0.9 0.9 0.66 0.9	x x x x x x x x

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS		T	
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC C2, DRUM	TPHC, PP+40	C2B/F4645	2.0'	1.0	METALS	(PPM)	LIMITS (PPM)	LIMITS
WASHING AREA		i			ARSENIC	1		
AND ASSOCIATED					CHROMIUM	4.56	20	
PIPING						6.01	NO STANDARD	
	1				COPPER	137	600	
					LEAD	126	400	
					MERCURY	0.16	14	
					ZINC	62.4	1,500	
					VOLATILE ORGANICS			
					1,1,1-TRICHLOROETHANE	0.820D	50	
					TRICHLOROETHENE	1.400D	1	х
					TETRACHLOROETHENE	1.000D	1	~
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	0.240D	NO STANDARD	
					FLUORANTHENE	0.440D	100	
					PYRENE	0.300D	100	
	1		1		BENZO(A)ANTHRACENE	0.190D	0.9	
					CHRYSENE	0.230D	Q.5	
			1		BENZO(B)FLUORANTHENE	0.290D	0.9	
					BENZO(K)FLUORANTHENE	0.098DJ	0.9	
					BENZO(A)PYRENE	0.160D	0.66	
l				INDENO(1,2,3-CD)PYRENE	0.170D	0.9		
<u> </u>					BENZO(G,H,I)PERYLENE		NO STANDARD	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EVOLER
AOC O, OILWATER	ANALYZED	LAB SAMPLE ID	DEPTH	READING		(PPM)	LIMITS (PPM)	EXCEED
SEPARATOR	PP+40, pH, TPHC	A1/E3527	5'		ТРНС	25700	10000	the second s
	TOTAL SODIUM			1	pH: 8.83 (SU)	23700	10000	X
					PHENOL	42J	50	
					METALS	42.0	50	
				1	ANTIMONY	1.30	14	
					ARSENIC	3.82	20	
					BERYLLIUM	1.61		
					CADMIUM	15.4	1	X
					CHROMIUM	26.9	1	х
					COPPER	83.5	NO STANDARD	
					LEAD	161	600	
					MERCURY	4.58	400	
					NICKEL	12.8	14	
j					SILVER		250	
					ZINC	1.54	110	
					VOLATILE ORGANICS	575	1 1	
					METHYLENE CHLORIDE	605		
					1,1,1-TRICHLOROETHANE	68D		х
					TRICHLOROETHENE	35D	50	
1					TOLUENE	73D	1	Х
					TETRACHLOROETHENE	86D	500	
					CHLOROBENZENE	39D	1	Х
						1.6DJ	1	х
					ETHYLBENZENE TOTAL XXI ENER	18D	100	
					TOTAL XYLENES	76D	10	х
					1,3-DICHLOROBENZENE	4DJ	100	
					1,4-DICHLOROBENZENE 1,2-DICHLOROBENZENE	9.8D	100	
					NAPHTHALENE	93D	50	Х
					SEMIVOLATILE ORGANICS	6.9DJ	100	
					PHENOL			
					1,4-DICHLOROBENZENE	16DJ	50	
						20DJ	100	
					BENZYL ALCOLHOL	26DJ	50	
			]		1,2-DICHLOROBENZENE	170D	50 100 NO STANDARD	х
					NAPHTHALENE	25DJ		
				1	2-METHYLNAPHTHALENE	18DJ N		
			1		DI-N-BUTYLPHTHALATE	77DJ	100	
				LE LE	BIS(2-ETHYLHEXYL)PHTHALAT	AT 120D 49	49	х
				[*	PESTICIDES / PCB's			
				1	NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS			
AOC O, OILWATER	ANALYZED	LAB SAMPLE ID	DEPTH	READING		CONCENTRATION	NJDEP	EXCEED
SEPARATOR	PP+40, pH, TPHC	A2 / E3528	4'		S DETECTED	(PPM)	LIMITS (PPM)	LIMITS
OLI AIVATOR	TOTAL SODIUM					36100	10000	X
					pH: 11.18 (SU)			
					PHENOL	177J	50	X
					METALS		1	
					ANTIMONY	4.00	14	
					ARSENIC	2.16	20	
					BERYLLIUM	0.71	1	
					CADMIUM	54.5		х
					CHROMIUM	62.4	NO STANDARD	^
					COPPER	217	600	
					LEAD	389	400	
					MERCURY	1.55	1	
					NICKEL	25.3	14	
					SILVER	13.7	250	
					SODIUM	1730	110	
					ZINC	1370	NO STANDARD	
					VOLATILE ORGANICS	1370	1500	
					TRICHLOROFLUOROMETHANE	4.30.1		
					1,1-DICHLOROETHENE	4.2DJ	NO STANDARD	
				METHYLENE CHLORIDE	2.2DJ	8		
					1,1-DICHLOROETHANE	180D	1	Х
					CHLOROFORM	3.9DJ	10	
					1,1,1-TRICHLOROETHANE	1.9DJ	1	х
					TRICHLOROETHENE	210D	50	х
					TOLUENE	260D	1	х
				1	TETRACHLOROETHENE	180D	500	
					CHLOROBENZENE	110D	1	х
					ETHYLBENZENE	2.2DJ	1	х
					TOTAL XYLENES	28D	100	
					STYRENE	120D	10	Х
					1,3-DICHLOROBENZENE	19D	23	
					1,4-DICHLOROBENZENE	3.1DJ	100	
					12 DICHLOROBENZENE	12D	100	
					1,2-DICHLOROBENZENE	170D	50	х
				ē	NAPHTHALENE	54D	100	
				3	EMIVOLATILE ORGANICS			
		1			PHENOL	67DJ	50	х
					1,4-DICHLOROBENZENE	18DJ	100	^
			1		BENYL ALCOLHOL	110DJ	50 50 100	v
		1			1,2-DICHLOROBENZENE	200D		X
					NAPHTHALENE	50DJ		х.
			1		2-METHYLNAPHTHALENE			
					DI-N-BUTYLPHTHALATE	100DJ	D STANDARD	
				BI	S(2-ETHYLHEXYL)PHTHALAT	180D	100	
			PE	ESTICIDES / PCB's		49	X	
CATES RESULT IS CAI		l	_	1	NONE DETECTED		1	Т

D - INDICATES RESULT IS CALCULATED FROM DILUTION J - INDICATES COMPOUND IS DETECTED BELOW THE MDI

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
AOC O, OIL/WATER	PP+40, pH, TPHC	A3 / E3529	DEPTH	READINGS		(PPM)	LIMITS (PPM)	LIMITS
SEPARATOR	TOTAL SODIUM	A37E3529	6'		ТРНС	24500	10000	Х
					pH: 7.54 (SU)			
					METALS			
					ARSENIC	6.45	20	
				1	BERYLLIUM	0.88	1	
					CHROMIUM	14.9	NO STANDARD	
				1	COPPER	21.5	600	
					LEAD	30.1	400	
1					NICKEL	7.11	250	
					SELENIUM	0.91	63	
				ZINC	76.9	1500		
				VOLATILE ORGANICS			····	
					METHYLENE CHLORIDE	3.9D	1	х
					1,1,1-TRICHLOROETHANE	3.5D	50	~
					TRICHLOROETHENE	4.5D	1	х
					TOLUENE	4.2D	500	^
					TETRACHLOROETHENE	2.5D	1	х
					ETHYLBENZENE	4.8D	100	^
					TOTAL XYLENES	5.8D	10	
					1,4-DICHLOROBENZENE	0.22DJ	100	
					1,2-DICHLOROBENZENE	3.2D	50	
					NAPHTHALENE	5.5D	100	
				ľ	SEMIVOLATILE ORGANICS	0.00		
					NAPHTHALENE	4.1DJ	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					FLUORENE	2.1DJ	100	
				PHENANTHRENE	1	NO STANDARD		
				Į.	PESTICIDES / PCB's	0.400	NO STANDARD	<u> </u>
<u> </u>					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION		EXCEED					
AOC O, OILWATER	PP+40, pH, TPHC	A4 / E3530	2.5' - 3'	The ADINGS		(PPM)	LIMITS (PPM)	LIMITS					
SEPARATOR	TOTAL SODIUM		BELOW	1	ТРНС	30600	10000	Х					
			PIPING		pH: 8.28 (SU)								
			COMING		METALS								
			FROM		ARSENIC	3.83	20						
				1	BERYLLIUM	1.56	1	х					
			BUILDING		CHROMIUM	15.5	NO STANDARD						
					COPPER	13.9	600						
					LEAD	43.2	400						
					MERCURY 0.18	0.18	14						
					NICKEL	7.79	250						
			ZINC	75.9	1500								
				}	}	ļ	1			VOLATILE ORGANICS			
					METHYLENE CHLORIDE	4D	1						
					1,1,1-TRICHLOROETHANE	1.7D	50						
					TRICHLOROETHENE	2D	1	х					
					TOLUENE	2.8D	500	^					
					TETRACHLOROETHENE	0.48DJ	1						
					ETHYLBENZENE	2.1D	100						
					TOTAL XYLENES	5.9D	10						
					1,2-DICHLOROBENZENE	0.71DJ	50						
	j				NAPHTHALENE	4D	100						
			ľ	SEMIVOLATILE ORGANICS		100							
				2-METHYLNAPHTHALENE	16DJ	NO STANDARD							
			t i	PESTICIDES / PCB's		NO STANDARD	<u> </u>						
					NONE DETECTED								

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC O, OILWATER		LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
SEPARATOR	PP+40, pH, TPHC	A5 / E3576	6'		ТРНС	19300	10000	X
	TOTAL SODIUM				pH: 7.69 (SU)			<u>^</u>
					METALS	1	<u> </u>	
					ANTIMONY	0.70	14	
					ARSENIC	5.65	20	
					CADMIUM	22.3	1	
					CHROMIUM	27.6	NO STANDARD	х
					COPPER	42.2	600	
					LEAD	138	400	
				j	MERCURY	0.58	1 1	
					NICKEL	11.6	14	
				SELENIUM	0.58	250		
					SILVER		63	
					ZINC	2.40	110	
					VOLATILE ORGANICS	4396	1500	X
			1		ACETONE			
				METHYLENE CHLORIDE	4.1D	100		
				2-BUTANONE	1.2D	1	Х	
				1,1,1-TRICHLOROETHANE	3.7D	50		
					1.7D	50		
					TRICHLOROETHENE	4.2D	1	Х
					TOLUENE	7.4D	500	
				[	TETRACHLOROETHENE	3.4D	1	х
					ETHYLBENZENE	12D	100	
	[				TOTAL XYLENES	35D	10	х
					STYRENE	0.81D	23	
					1,3-DICHLOROBENZENE	0.46DJ	100	
					1,4-DICHLOROBENZENE	1.3D	100	
					1,2-DICHLOROBENZENE	13D	50	
			1	[	ACROLEIN	4.6D	NO STANDARD	
					ACRYLONITRILE	10D	1	х
				Ļ	NAPHTHALENE	8.2D	100	
					SEMIVOLATILE ORGANICS			
					PHENOL	6.4DJ	50	
				1	1,2-DICHLOROBENZENE	14DJ	50	
	1				NAPHTHALENE	8.3DJ	100	
				1	2-METHYLNAPHTHALENE	1	IO STANDARD	
				1	FLUORENE	2.4DJ	f	
				1	PHENANTHRENE		100	
				1	DI-N-BUTYLPHTHALATE	14DJ	O STANDARD	
				в	IS(2-ETHYLHEXYL)PHTHALAT	26D	100	•
				P	ESTICIDES / PCB's	200	49	
I				NONE DETECTED				

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ANALYZED PP+40, pH, TPHC	R&V SAMPLE ID/ LAB SAMPLE ID A6 / E3591	DEPTH	PID READINGS		CONCENTRATION (PPM)	NJDEP LIMITS (PPM)	EXCEED
TOTAL SODIUM	1 1	0-6" 24"(volatiles only)		TPHC pH: 7.45 (SU) METAL S	50700	10000	X
				ARSENIC CHROMIUM COPPER LEAD ZINC	9.30 13.4 10.2 27.2 42.1	20 NO STANDARD 600 400 1500	
				TOLUENE ETHYLBENZENE TOTAL XYLENES NAPHTHALENE	5.2DJ 4.8DJ 24DJ 62D	500 100 10 100	x
			NAPHTHALENE 2-METHYLNAPHTHALENE ACENAPHTHENE DIBENZOFURAN FLUORENE N-NITROSODIPHENYLAMINE PHENANTHRENE ANTHRACENE PYRENE	33DJ 17DJ 34DJ 32DJ 79D 5.5DJ	100 NO STANDARD 100 100		
	TOTAL SODIUM	TOTAL SODIUM	TOTAL SODIUM		24"(vocatilies only)       pH: 7.45 (SU)         METALS       ARSENIC         CHROMIUM       COPPER         LEAD       ZINC         VOLATILE ORGANICS       TOLUENE         ETHYLBENZENE       TOTAL XYLENES         NAPHTHALENE       SEMIVOLATILE ORGANICS         NAPHTHALENE       SEMIVOLATILE ORGANICS         NAPHTHALENE       SEMIVOLATILE ORGANICS         NAPHTHALENE       PHENANTHRENE         DIBENZOFURAN       FLUORENE         N-NITROSODIPHENYLAMINE       PHENANTHRENE         ANTHRACENE       PYRENE         PHENANTHRENE       ANTHRACENE         PHENANTHRENE       ANTHRACENE         PHENANTHRENE       PHENANTHRENE	24"MOLATILES ONLY)     30700       PH: 7.45 (SU)     METALS       ARSENIC     9.30       CHROMIUM     13.4       COPPER     10.2       LEAD     27.2       ZINC     42.1       VOLATILE ORGANICS     TOLUENE       TOTAL XYLENES     240J       NAPHTHALENE     62D       SEMIVOLATILE ORGANICS     62D       SEMIVOLATILE ORGANICS     81D       2-METHYLBENZENE     81D       2-METHYLNAPHTHALENE     81D       2-METHYLNAPHTHALENE     81D       2-METHYLNAPHTHALENE     81D       2-METHYLNAPHTHALENE     33DJ       DIBENZOFURAN     17DJ       FLUORENE     34DJ       N-NITROSODIPHENYLAMINE     32DJ       PHENNITHRACENE     55DJ       PHENNITHRACENE     55DJ       PESTICIDES / PCB's     93DJ	24"IVOLATILES ON Y)       PH: 7.45 (SU)       10000         METALS       9.30       20         CHROMIUM       13.4       NO STANDARD         COPPER       10.2       600         LEAD       27.2       400         ZINC       42.1       1500         VOLATILE ORGANICS       5.2DJ       500         TOLUENE       5.2DJ       500         VOLATILE ORGANICS       100       100         VOLATILE ORGANICS       100       100         SEMIVOLATILE ORGANICS       100       100         SEMIVOLATILE ORGANICS       100       100         NAPHTHALENE       81D       100         OLIBENZOFURAN       17DJ       NO STANDARD         ACENAPHTHENE       33DJ       100         DIBENZOFURAN       17DJ       NO STANDARD         FLUORENE       34DJ       100         N-NITROSODIPHENYLAMINE       32DJ       100         N-NITROSODIPHENYLAMINE       32DJ       100         PHENANTHRENE       79D       NO STANDARD         ANTHRACENE       55DJ       100         PYRENE       9.3DJ       100

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC B, UST	PP+40, pH, TPHC	E1/E3592	8'	Thereings		(PPM)	LIMITS (PPM)	LIMITS
	TOTAL SODIUM		0	1	ТРНС	3300	10000	
					pH: 6.09 (SU)			
					METALS			·
					ARSENIC	0.78	20	
					CHROMIUM	9.15	NO STANDARD	
					COPPER	8.29	600	
					NICKEL	4.96	250	
					ZINC	17.2	1500	
					VOLATILE ORGANICS			
				TOLUENE	0.008DJ	500		
1					ETHYLBENZENE	0.021DJ	100	
					TOTAL XYLENES	0.006DJ	10	
					NAPHTHALENE	0.23D	100	
					SEMIVOLATILE ORGANICS	0.250		
					NAPHTHALENE	0.67DJ	400	
					2-METHYLNAPHTHALENE		100	
					FLUORENE		NO STANDARD	
					N-NITROSODIPHENYLAMINE	0.62DJ	100	
					PHENANTHRENE	0.38DJ	100	
			•	PESTICIDES / PCB's	1.7DJ	NO STANDARD		
				l	NONE DETECTED			

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PARAMETERS ANALYZED	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
			READINGS		(PPM)	LIMITS (PPM)	LIMITS
	C27 20054	0			13100	10000	Х
I THE CODION							
				METALS			
				ARSENIC	3.88	20	
				CHROMIUM	15.1		
				NICKEL			
			ZINC				
				VOLATILE ORGANICS		1000	
				ACETONE	0.047D.1	100	
				BENZENE		100	
				TOLUENE		500	
				TETRACHLOROETHENF		1	
				(		100	
					-		
					0.250		• 
					2 90 1	0.00	
							х
					1		
		-		1.0UJ	<u> </u>		
						(	
-	ANALYZED PP+40, pH, TPHC TOTAL SODIUM	PP+40, pH, TPHC E2 / E3594	PP+40, pH, TPHC E2 / E3594 8'	ANALYZED LAB SAMPLE ID DEPTH READINGS PP+40, pH, TPHC E2 / E3594 8' TOTAL SODIUM	ANALYZED       LAB SAMPLE ID       DEPTH       READINGS       DETECTED         PP+40, pH, TPHC       E2 / E3594       8'       TPHC         TOTAL SODIUM       E2 / E3594       8'       TPHC         ARSENIC       ARSENIC       CHROMIUM         COPPER       NICKEL       ZINC         VOLATILE ORGANICS       ACETONE         BENZENE       BENZENE	ANALYZED LAB SAMPLE ID DEPTH READINGS DETECTED (PPM) PP+40, pH, TPHC E2 / E3594 8' TOTAL SODIUM E2 / E3594 8' TOTAL SODIUM E2 / E3594 8' TOTAL SODIUM E2 / E3594 8' TPHC 13100 PH: 5.83 (SU) METALS ARSENIC 3.88 CHROMIUM 15.1 COPPER 9.55 NICKEL 5.34 ZINC 21.5 VOLATILE ORGANICS ACETONE 0.047DJ BENZENE 0.006DJ TOLUENE 0.071D TETRACHLOROETHENE 0.014DJ ETHYLBENZENE 0.047D TOTAL XYLENES 0.1D NAPHTHALENE 0.25D SEMIVOLATILE ORGANICS N-NITROSO-DI-N-PROPYLAMINE 2.8DJ C-METHYLNAPHTHALENE 6.3DJ N-NITROSODI-N-PROPYLAMINE 2.4DJ PHENANTHRENE 4.1DJ CHRYSENE 1.8DJ PESTICIDES / PCB'S	ANALYZEDLAB SAMPLE IDDEPTHREADINGSDETECTED(PPM)LIMITS (PPM)PP+40, pH, TPHCE2 / E35948'TPHC1310010000TOTAL SODIUME2 / E35948'TPHC1310010000PH: 5.83 (SU)METALSARSENIC3.8820METALSARSENIC3.8820CHROMIUM15.1NO STANDARDCOPPER9.55600NICKEL5.34250ZINC21.51500VOLATILE ORGANICS0.047DJ100BENZENE0.006DJ1TOTAL SODIUM1010BENZENE0.047DJ100BENZENE0.047DJ100TETRACHLOROETHENE0.047D100TOTAL XYLENES0.1D10NAPHTHALENE0.25D100SEMIVOLATILE ORGANICSNO STANDARDN-NITROSO-DI-N-PROPYLAMINE2.8DJ0.66N-NITROSO-DI-N-PROPYLAMINE2.4DJ100PESTICIDES / PCB'S1.8DJ9

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE					
AOC P LIST	ANALYZED	LAB SAMPLE ID		PID READINGS	PARAMETERS DETECTED	CONCENTRATION		EXCEEDS
AOC B, UST	TPHC, VOC'S	E3 / E3595	8'		ТРНС	(PPM) NONE DETECTED	LIMITS (PPM) 10000	LIMITS
					VOLATILE ORGANICS			
					TOLUENE TOTAL XYLENES	0.001J	500	
			·····		NAPHTHALENE	0.001J 0.005J	10 100	

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			DEN, CAMDE	IN COUNTY, NJ			
AREA OF CONCERN AOC B, UST	PARAMETERS ANALYZED TPHC, VOC'S	R&V SAMPLE ID/ LAB SAMPLE ID E4 / E3596	1	ТРНС	CONCENTRATION (PPM) NONE DETECTED	NJDEP LIMITS (PPM) 10000	EXCEEDS LIMITS
			 	VOLATILE ORGANICS NONE DETECTED			

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	AREA OF CONCERN	ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID READINGS	PARAMETERS DETECTED	CONCENTRATION (PPM)	NJDEP LIMITS (PPM)	EXCEEDS
	AOC B, 031	TPHC, VOC'S	E5 / E3598	8'		ТРНС	NONE DETECTED		
						VOLATILE ORGANICS			
E			L			NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID READINGS	PARAMETERS DETECTED	CONCENTRATION (PPM)	NJDEP LIMITS (PPM)	EXCEEDS
AOC B, UST	TPHC, VOC'S	E7 / E3593	6" BELOW		ТРНС	34600	10000	v
			PIPING		VOLATILE ORGANICS	1	10000	^
					ACETONE	0.079D	100	
					BENZENE	0.016DJ	1	
					TOLUENE	0.023DJ	500	
					CHLOROBENZENE	0.02DJ	1	
					ETHYLBENZENE	0.84D	100	
					TOTAL XYLENES	0.9D	10	
······					NAPHTHALENE	0.88D	100	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
A00 D4 1040000	ANALYZED			READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
AOC D1, LOADING	PP+40, TPHC, pH	LAB SAMPLE ID     DEPTH     READINGS     DETECTED     (PPM)       J1 / E3705     0.6"     219       24" yourines onkry     TPHC     219       pH: 7.97 (SU)     METALS     16.9       CHROMIUM     28.1     COPPER     368       LEAD     161     MERCURY     7.63       NICKEL     29     ZINC     344       VOLATILE ORGANICS     TRICHLOROETHENE     0.003J       SEMIVOLATILE ORGANICS     TRICHLOROETHENE     0.30J       ACENAPHTHALENE     0.35DJ     2.4ETHYLNAPHTHALENE     0.30J       ACENAPHTHENE     1.1DJ     DIBENZOFURAN     1DJ       PHENANTHRENE     1.5DJ     PHENANTHRENE     1.5DJ       PHENE     2.3D     PYRENE     23D       PYRENE     1.5DJ     PHENANTHRENE     1.5DJ       PHENANTHRENE     1.5DJ     PHENANTHRENE     1.5DJ       PHENANTHRENE     1.5DJ     PHENANTHRENE     1.5DJ       PUORANTHENE     2.3D     PYRENE     2.4D<						
AREA			24" (VOLATILES ONLY	ł		219	10,000	
					ARSENIC	16.9	20	
					CHROMIUM	28.1	NO STANDARD	
					COPPER	368	600	
					LEAD	161	400	
					MERCURY	7.63	14	
					NICKEL	29	250	
					ZINC	344	1500	
					VOLATILE ORGANICS			
					TRICHLOROETHENE	0.003J	1	
						0.55DJ	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					ACENAPHTHYLENE		NO STANDARD	
					ACENAPHTHENE		100	
					DIBENZOFURAN		NO STANDARD	
					FLUORENE		100	
					PHENANTHRENE		NO STANDARD	
						1	100	1
							100	
						1	100	
						1	100	
					BENZO (A) ANTHRACENE	ł	0.9	x
						1	9	x
					BENZO[B]FLUORANTHENE	15D	0.9	x
					BENZO[K]FLUORANTHENE	8.4D	0.9	x
						1	0.66	x
						1	0.9	x
					· · · · · · · · · · · · · · · · · · ·		0.66	X
					BENZO[G,H,I]PERYLENE	5.7D	NO STANDARD	1
					PESTICIDES / PCB's	<u> </u>	1.00000000	<u> </u>
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID	EN COUNTY, NJ PARAMETERS	CONCENTRATION	NJDEP	EXCEE
OC D1, LOADING	PP+40, TPHC, pH	J2 / E3706	0-6*	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AREA			U-O					
		-	VOLATILES ONLY	')	-11. 0.21.(0.1)			
					pH: 8.54 (SU)			
					METALS			
					ANTIMONY	0.87	14	
					ARSENIC	6.38	20	
					CHROMIUM	12.3	NO STANDARD	
					COPPER	16.8	600	
					LEAD	176	400	
					MERCURY	0.6	14	
					NICKEL	6.78	250	
					ZINC	92.9	1500	
					VOLATILE ORGANICS		1000	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					NAPHTHALENE	0.072J	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					ACENAPHTHYLENE			
					ACENAPHTHENE	0.24J	NO STANDARD	
					DIBENZOFURAN		100	
					FLUORENE	0.2J	NO STANDARD	
					PHENANTHRENE		100	
				1	ANTHRACENE	0.42	NO STANDARD	
					DI-N-BUTYLPHTHALATE	1.1	100	
					FLUORANTHENE	1.9	100	
					PYRENE	1.9	100	
					BENZO[A]ANTHRACENE	0.92	100	
					BIS(2-ETHYLHEXYL)PHTHALATE	0.057J	0.9	х
					CHRYSENE	1.1	49	
					BENZO[B]FLUORANTHENE	0.87	9	
					BENZOKKIFLUORANTHENE		0.9	
					BENZO[A]PYRENE	0.62	0.9	
				1	INDENO[1,2,3-CD]PYRENE	0.77	0.66	Х
				1	DIBENZ[A, HJANTHRACENE	0.36J	0.9	
					BENZO[G,H,I]PERYLENE	0.22J	0.66	
				6	ESTICIDES / PCB's	0.34J N	IO STANDARD	
				l l				
				L	NONE DETECTED	1		

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
100.54 10.000	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS		(PPM)	LIMITS (PPM)	
AOC D1, LOADING	PP+40, TPHC, pH	J3 / E3707	0-6"			<u> </u>		LIMITS
AREA			24" (VOLATILES ONLY)					
					pH: 8.36 (SU)			
					METALS			
					ANTIMONY	0.63	14	
					ARSENIC	4.69	20	
					CHROMIUM	7.05	NO STANDARD	
					COPPER	16.1	600	
					LEAD	242	400	
					NICKEL	5.68	250	
					ZINC	96.7	1500	
					VOLATILE ORGANICS		1000	
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					ACENAPHTHYLENE	0.098J	NO STANDARD	
					ACENAPHTHENE	0.036J	100	
					FLUORENE	0.036J	100	
				1	PHENANTHRENE		NO STANDARD	
					ANTHRACENE	0.2J	100	
					DI-N-BUTYLPHTHALATE	0.86	100	
					FLUORANTHENE	1.7	100	
					PYRENE	1.5	100	
					BENZO	0.83	· · · · · · · · · · · · · · · · · · ·	
					BIS(2-ETHYLHEXYL)PHTHALATE	0.055J	0.9 49	
					CHRYSENE	0.99	49 9	
					BENZO[B]FLUORANTHENE	0.85	0.9	
				1	BENZOKKIFLUORANTHENE	0.55	0.9	
					BENZO[A]PYRENE	0.74	0.66	х
					INDENO[1,2,3-CD]PYRENE	0.35J	0.9	~
					DIBENZ[A,H]ANTHRACENE	0.2J	0.66	
					BENZO[G,H,I]PERYLENE	4	NO STANDARD	
				1	PESTICIDES / PCB's			
••••••••••••••••••••••••••••••••••••••					NONE DETECTED			

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AREA OF CONCERN   PARAMETERS		CITT OF CAN	IDEN, CANDE	N COUNTY, NJ			
AREA OF CONCERN PARAMETERS ANALYZED AOC B2, UST TPHC ADJACENT TO REGISTERED UST	R&V SAMPLE ID/ LAB SAMPLE ID H1 / E3644		PID READINGS	PARAMETERS DETECTED N/A	CONCENTRATION (PPM) N/A	NJDEP LIMITS (PPM) 10,000	EXCEEDS LIMITS

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/	SAMPLE DEPTH	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D10 / E3624	0-6"	READINGS	DETECTED	(PP <b>M</b> )	LIMITS (PPM)	LIMITS
	11, 40, 11, 10, pri		24" (VOLATILES ONLY				4	
•			24 (VOLATALES UNLT	n	ТРНС			
						1450	10,000	
					pH: 8.38 (SU) METALS			
					ARSENIC	2.7	20	
					CADMIUM	7.72	1	Х
					CHROMIUM	107	NO STANDARD	
					COPPER	528	600	
					LEAD	346	400	
					MERCURY	1.43	14	
					NICKEL	9.6	250	
					ZINC	305	1500	
					VOLATILE ORGANICS			
					TOLUENE	0.011	500	
					TETRACHLOROETHENE	0.005J	1 1	
					SEMIVOLATILE ORGANICS			
					4-METHYLPHENOL	0.41DJ	2800	
					2,4-DIMETHYLPHENOL	0.2DJ	10	
					NAPHTHALENE	3.4D	100	
					2-METHYLNAPHTHALENE	1.1DJ	NO STANDARD	
					ACENAPHTHYLENE	0.86DJ	NO STANDARD	
					ACENAPHTHENE	3.1D	100	
					DIBENZOFURAN	2.5D	NO STANDARD	
					FLUORENE	4D	100	
					PHENANTHRENE	18D	NO STANDARD	
					ANTHRACENE	5.8D	100	
					DI-N-BUTYLPHTHALATE	0.37DJ	100	
					FLUORANTHENE	18D	100	
				1	PYRENE	20D	100	
					BENZO(A)ANTHRACENE	10D	0.9	х
				1	CHRYSENE	9.8D	9	x
				l	BENZO[B]FLUORANTHENE	9.8D	09	x
					BENZO[K]FLUORANTHENE	6.2D	0.9	x
					BENZO[A]PYRENE	8.5D	0.66	x
					INDENO[1,2,3-CD]PYRENE	3.6D	0.9	x
					DIBENZ[A,H]ANTHRACENE	2.2D	0.66	
					BENZO[G,H,I]PERYLENE		NO STANDARD	Х
				l l	PESTICIDES / PCB's	5.00	NO STANDARD	
				ľ	HEPTACHLOR	0.055J	0.15	

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AREA OF CONCERN	DADAMETER				N COUNTY, NJ			
ANEA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/	SAMPLE DEPTH	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
AOC B2, UST ADJACENT TO	TPHC	H2 / E3646	7.5'	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
REGISTERED UST			······		N/A	N/A	10,000	

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				DEN, CANDE	IN COUNTY, NJ			
AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/	SAMPLE DEPTH	PID READINGS	PARAMETERS	CONCENTRATION		EXCEEDS
AOC B2, UST ADJACENT TO	TPHC	H3 / E3645	7.5'	INCADINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
REGISTERED UST					N/A	N/A	10,000	

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	ANALYZED PP+40, TPHC, pH	LAB SAMPLE ID	DEPTH	READINGS		(PPM)	LIMITS (PPM)	
	ггтчи, тепо, рн	D1 / E3578	0-6*		CYANIDE	0.63	1100	
		2	24" (VOLATILES ONLY)		ТРНС	344	10,000	<u> </u>
					pH: 8.34 (SU)			
					METALS			·
					ANTIMONY	12.7	14	
	·				ARSENIC	15.8	20	
					CADMIUM	3.31	1	x
					CHROMIUM	45.9	NO STANDARD	
					COPPER	167	600	
					LEAD	1560	400	х
					MERCURY	3.43	14	^
					NICKEL	33	250	
					SELENIUM	0.78	63	
					ZINC	641	1500	
					VOLATILE ORGANICS		1500	
					METHYLENE CHLORIDE	0.047		
					1,1,1-TRICHLOROETHANE	0.005J	1	
					TRICHLOROETHENE	0.003J	50	
					TOLUENE	0.003J	1	
					TOTAL XYLENES	0.003J	500	
					1,2-DICHLOROBENZENE		10	
				ł	SEMIVOLATILE ORGANICS	0.001J	50	·
				[	NAPHTHALENE	1.001		
					2-METHYLNAPHTHALENE	1.6DJ 0.62DJ	100	
					ACENAPHTHYLENE	0.82DJ 0.45DJ	NO STANDARD	
					ACENAPHTHENE	0.45DJ 1.6DJ	NO STANDARD	
					DIBENZOFURAN	1.6DJ	100	
					FLUORENE	1.7DJ	NO STANDARD	
					PHENANTHRENE	16D	100	
					ANTHRACENE	3.6D	NO STANDARD	
					DI-N-BUTYLPHTHALATE	1.1DJ	100	
					FLUORANTHENE	19D	100	
					PYRENE	19D	100	
					BENZOJAJANTHRACENE	17D	100	
				F	BIS(2-ETHYLHEXYL)PHTHALAT		0.9	Х
				-	CHRYSENE	0.23DJ	49	
					BENZO[BJFLUORANTHENE	10D	9	Х
					BENZOKIELUODANTUENE	9.6D	0.9	
					BENZOIKIFLUORANTHENE	8.4D	0.9	Х
				1	BENZO(A)PYRENE	7.9D	0.66	.Χ
				1	INDENO[1,2,3-CD]PYRENE	1DJ	0.9	x
					DIBENZ(A,H)ANTHRACENE	2.5D	0.66	х
				Ŀ	BENZO[G,H,I]PERYLENE	4.3D N	NO STANDARD	
				P	ESTICIDES / PCB's			
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D2 / E3579	DEPTH 0-6"	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
· · · · · · · · · · · · · · · · · · ·	11 / 10, 11 / 10, pri		24" (VOLATILES ONLY)		TRUG			
•			24 (VOLATILES ONLY)	1	TPHC	437	10,000	
					pH: 8.50 (SU)			
					METALS			
					ANTIMONY	2.66	14	
	,				ARSENIC	6.43	20	
					CADMIUM	106	1	X
					CHROMIUM	21.1	NO STANDARD	
					COPPER	58.8	600	
					LEAD	636	400	х
					MERCURY	7.66	14	
					NICKEL	40.6	250	
					ZINC	373	1500	
					VOLATILE ORGANICS			
					METHYLENE CHLORIDE	0.049	1	
					1,1,1-TRICHLOROETHANE	0.004J	50	
					TRICHLOROETHENE	0.003	1	
					TOLUENE	0.003J	500	
					TETRACHLOROETHENE	0.002J	1	
					TOTAL XYLENES	0.001J	10	
					SEMIVOLATILE ORGANICS			
				Ì	NAPHTHALENE	0.360DJ	100	
					ACENAPHTHYLENE		NO STANDARD	
				1	ACENAPHTHENE	1.8DJ	100	
					DIBENZOFURAN		NO STANDARD	
					FLUORENE	1.7DJ	100	
					PHENANTHRENE		NO STANDARD	
					ANTHRACENE	7.2D	100	
					DI-N-BUTYLPHTHALATE	2.7DJ	100	
					FLUORANTHENE	38D	100	
					PYRENE	34D	100	
					BENZO[A]ANTHRACENE	21D	0.9	х
				E	BIS(2-ETHYLHEXYL)PHTHALAT	0.49DJ	49	^
				1	CHRYSENE	21D	9	~
					BENZO[B]FLUORANTHENE	19D	1	X
				1	BENZOKIJFLUORANTHENE	11D	0.9	
					BENZO(A)PYRENE	16D	9.0	X
				1	INDENO[1,2,3-CD]PYRENE	7.5D	0.66	X
					DIBENZ[A,H]ANTHRACENE		0.9	X
					BENZO[G,H,I]PERYLENE	4.3D	0.66	Х
					PESTICIDES / PCB's	7D	NO STANDARD	
				l'  '	HEPTACHLOR	52J	1	

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID	SAMPLE DEPTH	PID READINGS	PARAMETERS DETECTED	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	PP+40, TPHC, pH	D3 / E3702	0-6"		DETECTED	(PPM)	LIMITS (PPM)	LIMITS
•			24" (VOLATILES ONLY)		ТРНС	330	10,000	
					pH: 8.42 (SU)			
					METALS	1		
					ANTIMONY	2.33	14	
	•				ARSENIC	5.7	20	
					CHROMIUM		NO STANDARD	
					COPPER	41.8	600	
					LEAD	500	400	х
					MERCURY	6.11	14	^
					NICKEL	19.6	250	
					SILVER	1.62	110	
					ZINC	387	1500	
					VOLATILE ORGANICS		1000	······
					NONE DETECTED			
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	5.2DJ	NO STANDARD	
					ANTHRACENE	1.3DJ	100 100	
					DI-N-BUTYLPHTHALATE	1.3DJ	100	
					FLUORANTHENE	9.5D	100	
					PYRENE	8.8DJ	100	
					BENZO[A]ANTHRACENE	5DJ	0.9	v
					CHRYSENE	5.8DJ	9	х
					BENZO[B]FLUORANTHENE	5DJ	0.9	
				1	BENZO[K]FLUORANTHENE	3.7DJ	0.9	v
					BENZO[A]PYRENE	4.5DJ	0.66	X
					INDENO[1,2,3-CD]PYRENE	2.1DJ	0.00	x
				I	DIBENZ[A,H]ANTHRACENE	1.3DJ	0.66	x
					BENZO[G,H,I]PERYLENE		NO STANDARD	x
				Į.	PESTICIDES / PCB's		ITO STANDARD	
					NONE DETECTED			

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AOC E, YARD AREA	PP+40, TPHC, pH	D4 / E3580	0-6"			<u>(, , , , , , , , , , , , , , , , , , , </u>		LIMITO
•		:	24" (VOLATILES ONLY	)				
					pH: 8.19 (SU)			
					METALS			
					ARSENIC	1.01	20	
					CHROMIUM	12	NO STANDARD	
					COPPER	5.07	600	
					LEAD	20.7	400	
					ZINC	22.1	1500	
					VOLATILE ORGANICS			••••••
					METHYLENE CHLORIDE	0.059	1	
					1,1,1-TRICHLOROETHANE	0.004J	50	
					TRICHLOROETHENE	0.003J	1	
					TOLUENE	0.004J	500	
					TOTAL XYLENES	0.003J	10	
					NAPHTHALENE	0.071	250	
					SEMIVOLATILE ORGANICS	· · · · · · · · · · · · · · · · · · ·		
					ACENAPHTHYLENE	0.11J	NO STANDARD	
					ACENAPHTHENE	0.068J	100	
					DIBENZOFURAN	0.036J	NO STANDARD	
					FLUORENE	0.099J	100	
					PHENANTHRENE	0.83	NO STANDARD	
					ANTHRACENE	0.27J	100	
					FLUORANTHENE	1.3	100	
					PYRENE	1.4	100	
					BENZO[A]ANTHRACENE	0.71	0.9	
					BIS(2-ETHYLHEXYL)PHTHALAT	0.1J	49	
				1	CHRYSENE	0.71	9	
					BENZO[B]FLUORANTHENE	0.46	0.9	
					BENZO[K]FLUORANTHENE	0.42	0.9	
					BENZO(A)PYRENE	0.49	0.66	
					DIBENZ[A,HJANTHRACENE	0.16J	0.66	
				Ļ	BENZO[G,H,I]PERYLENE	0.28J	NO STANDARD	
					PESTICIDES / PCB's			
					HEPTACHLOR	22J	0.15	х

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AUG E, TARD AREA	PP+40, TPHC, pH	D5 / E3581	0-6"		CYANIDE	0.79	1100	Limita
•			24" (VOLATILES ONLY	}	ТРНС	398	10,000	
					pH: 8.44 (SU)		10,000	
					METALS			
					ANTIMONY	2.02	14	
					ARSENIC	7.24		
					CADMIUM	1.72	20	
					CHROMIUM	17.1	1	Х
					COPPER	33.2	NO STANDARD	
					LEAD		600	
					MERCURY	211	400	
					NICKEL	0.79	14	
					SELENIUM	132	250	
					ZINC	1.35	63	
					VOLATILE ORGANICS	310	1500	
					METHYLENE CHLORIDE			
						0.022	1	
					1,1,1-TRICHLOROETHANE	0.002J	50	
						0.001J	1	
					SEMIVOLATILE ORGANICS			
						0.61J	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					ACENAPHTHYLENE		NO STANDARD	
					ACENAPHTHENE	1.7	100	
					DIBENZOFURAN	0.99J	NO STANDARD	
					FLUORENE	1.8J	100	
					PHENANTHRENE	15	NO STANDARD	
				1	ANTHRACENE	4.6	100	
					DI-N-BUTYLPHTHALATE	1.6J	100	
					FLUORANTHENE	21	100	
					PYRENE	26	100	
					BENZO[A]ANTHRACENE	13	0.9	x
				[E	BIS(2-ETHYLHEXYL)PHTHALAT	0.6J	49	••
				1	CHRYSENE	13	9	х
					BENZO[B]FLUORANTHENE	11	09	~
					BENZO[K]FLUORANTHENE	9.4	0.9	x
					BENZO[A]PYRENE	12	0.66	x
					INDENO[1,2,3-CD]PYRENE	7.4	0.9	
					DIBENZ[A,H]ANTHRACENE	1.9	0.66	X
					BENZO[G,H,I]PERYLENE	1	O STANDARD	x
				P	ESTICIDES / PCB's		IU STANDARD	
					NONE DETECTED	1		

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AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/	SAMPLE	PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOCE VARD AREA	ANALYZED	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
AOC E, YARD AREA	PP+40, TPHC, pH	D6 / E3704	0-6*				1	
			24" (VOLATILES ONLY	)	ТРНС	726	10.000	
					pH: 8.58 (SU)			
					METALS		1	
					ANTIMONY	1.57	14	
	•				ARSENIC	7.69	20	
					CADMIUM	3	1	х
					CHROMIUM	649	NO STANDARD	, A
					COPPER	67.9	600	
					LEAD	812	400	х
					MERCURY	1.91	14	^
					NICKEL	12.9	250	
					ZINC	502	1500	
					VOLATILE ORGANICS			
					TOTAL XYLENES	0.5DJ	10	
					1,2-DICHLOROBENZENE	0.16DJ	50	
					NAPHTHALENE	2.6D	100	
					SEMIVOLATILE ORGANICS		100	
					NAPHTHALENE	1.6DJ	100	
					2-METHYLNAPHTHALENE	0.62DJ	NO STANDARD	
					ACENAPHTHYLENE	0.45DJ	NO STANDARD	
					ACENAPHTHENE	1.6DJ	100	
					DIBENZOFURAN	1.6DJ	NO STANDARD	
					FLUORENE	1.7DJ	100	
					PHENANTHRENE	16D	NO STANDARD	
					ANTHRACENE	3.6D	100	
				1	DI-N-BUTYLPHTHALATE	1.1DJ	100	
					FLUORANTHENE	19D	100	
					PYRENE	17D	100	
					BENZO(A)ANTHRACENE	10D	0.9	х
				1	BIS(2-ETHYLHEXYL)PHTHALAT	0.23DJ	49	^
					CHRYSENE	10D	9	x
				1	BENZO[B]FLUORANTHENE	9.6D	0.9	^
					BENZO[K]FLUORANTHENE	8.4D	0.9	х
					BENZO[A]PYRENE	7.9D	0.66	X
				1	INDENO[1,2,3-CD]PYRENE	1DJ	0.9	
				1	DIBENZ[A,H]ANTHRACENE	2.5D	0.66	x
					BENZO[G,H,I]PERYLENE			х
				al .	PESTICIDES / PCB's	4.50	NO STANDARD	
				1	NONE DETECTED			

### SAMPLING SUMMARY AND ANALYTICAL RESULTS AABCO STEEL DRUM, INC. CITY OF CAMDEN, CANDEN COUNTY, NJ

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AREA OF CONCERN	PARAMETERS ANALYZED	R&V SAMPLE ID/ LAB SAMPLE ID		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEEDS
AOC E, YARD AREA	PP+40, TPHC, pH	D7 / E3623	0-6"	READINGS	DETECTED	(PPM)	LIMITS (PPM)	LIMITS
•		577 20025	24" (VOLATILES ONLY)	I				
					pH: 8.83 (SU)	······································		
					METALS	T	1	
					ANTIMONY	6.96	14	
					ARSENIC	2.49	20	
					CADMIUM	2.3	1	х
					CHROMIUM	10.3	NO STANDARD	^
					COPPER	121	600	
					LEAD	911	400	х
					MERCURY	2.5	14	^
					NICKEL	9.84	250	
					ZINC	180	1500	
					VOLATILE ORGANICS			
					NAPHTHALENE	0.001J	100	
					SEMIVOLATILE ORGANICS			
					PHENANTHRENE	0.22J	NO STANDARD	
					ANTHRACENE	0.042J	100	
					FLUORANTHENE	0.29J	100	
					PYRENE	0.24J	100	
					BENZO[A]ANTHRACENE	0.14J	0.9	
					CHRYSENE	0.16J	9	
					BENZO[B]FLUORANTHENE	0.15J	09	
					BENZO[K]FLUORANTHENE	0.12J	0.9	
					BENZO(A)PYRENE	0.11J	0.66	
					INDENO[1,2,3-CD]PYRENE	0.076J	0.9	
					DIBENZ[A,H]ANTHRACENE	0.043J	0.66	
				L	BENZO[G,H,I]PERYLENE	0.078J	NO STANDARD	
				1	PESTICIDES / PCB's			
Manana (1997) - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997					HEPTACHLOR	0.024J	0.15	

### SAMPLING SUMMARY AND ANALYTICAL RESULTS AABCO STEEL DRUM, INC. CITY OF CAMDEN, CANDEN COUNTY, NJ

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AQC E, YARD AREA         IAB SAMPLE ID         DEPTH         READINGS         DETECTED         (PPM)         LUMITS (PPM)           AQC E, YARD AREA         PPH40, TPHC, pH         DB / E3G2         0.6"         CYANIDE         044         1100           PH 740, TPHC, pH         DB / E3G2         0.6"         CYANIDE         044         1000           PH 779 (SU)           METAL S         ANTIMONY         293         14         ARSENC         278         20           CADMIUM         6.22         1         CHROMUM         6.32         1         000           METAL S         METAL S         ARSENC         278         20         CADMIUM         6.32         1           CHROMUM         736         MOSTNOARD         600         HEAS         NO STANDARD         00           UEAD         7840         400         MERCURY         947         14         NCKEL         8.3         250           SELENUM         0.53         6.3         ZINC         227         1500         VOLATILE ORGANICS         NO STANDARD           VOLATILE ORGANICS         NO STANDARD         ACENAPHTHYLENE <th>CONCERN</th> <th>PARAMETERS</th> <th>R&amp;V SAMPLE ID/</th> <th></th> <th>PID</th> <th>PARAMETERS</th> <th>CONCENTRATION</th> <th>NJDEP</th> <th>EXCEE</th>	CONCERN	PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEE
ACC E, IANDAREA         PP440, IPHC, pH         DB / E3622         0.6"         CYANDE         0.84         1100           24" (MCARES OR T)         24" (MCARES OR T)         14         10,000         10,000           PH 7. 79 (SU)		ANALYZED	LAB SAMPLE ID		READINGS	DETECTED			
pH: 7.79 (SU)         0.0           METALS         ANTIMONY         293         14           ARSENIC         27.8         20         CADMIUM         6.22         1           CROMIUM         6.22         1         CHROMIUM         73.6         NO STANDARD           COPPER         116         600         LEAD         7840         400           MERCURY         947         14         NICKEL         8.3         250           SELENUM         0.53         63         237         1500           VOLATILE ORGANICS         237         1500         NORE DETECTED         NORE DETECTED         NORE DETECTED         NOR STANDARD           NORE DETECTED         NORE DETECTED         13J         NO STANDARD         ACENAPHTHYLENE         0.45J         NO STANDARD           ACENAPHTHYLENE         0.36         100         DIBENZOFURAN         0.23J         NO STANDARD           ACENAPHTHYLENE         0.36         100         DIBENZOFURAN         0.23J         NO STANDARD           ACENAPHTHYLENE         0.37         100         DIBENZOFURAN         0.23J         NO STANDARD           ACENAPHTHYLENE         0.37         100         DIBENZOFURANTHENE         1.3         0.9<	ARD AREA F	PP+40, TPHC, pH					0.84		
pH: 7.79 (SU)         Image: Constraint of the second				24" (VOLATILES ONLY	)		248	10.000	
ANTIMONY         293         14           ARSENIC         27.8         20           CADMIUM         6.22         1           CHROMUM         73.6         NO STANDARD           COPPER         116         600           LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         NOSTANDARD           NONE DETECTED            SEMIVOLATILE ORGANICS         0.42,1           NORE DETECTED            SEMIVOLATILE ORGANICS            NORE DETECTED            ACENAPHTHYLINE         0.33,1           ACENAPHTHENE         0.33,1           ACENAPHTHENE         0.34,5,1           CHUORENE         0.37           PHENANTHRENE         2.4           ACENAPHTHRENE         0.37           ACENAPHTHRENE         1.00           PHENANTHRENE         2.4           ACENAPHTHRENE         1.00           PUORANTHENE         1.00           B						pH: 7.79 (SU)			
ARSENIC         27 8         20           CADMIUM         6.22         1           CHROMIUM         73.6         NO STANDARD           COPPER         116         600           LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENUM         0.53         63           VOLATILE ORGANICS         237         1500           VOLATILE ORGANICS         237         1500           VOLATILE ORGANICS         233         100           SEMIVOLATILE ORGANICS         0.22J         100           ACENAPHTHYLENE         0.45J         NO STANDARD           ACENAPHTHYLENE         0.35         100           DIBENZOFURAN         0.23J         NO STANDARD           ACENAPHTHENE         0.36         100           DIBENZOFURAN         0.23J         NO STANDARD           ACENAPHTHENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ACENAPHTHENE         0.37         100           PHENAPTHENE         0.37         100           PHENANTHRENE         2.1         100						METALS			
ARSENIC         27.8         20           CADMIUM         6.22         1           CHROMIUM         6.22         1           CHROMIUM         73.6         NO STANDARD           COPPER         116         600           LEAD         784.0         400           MERCURY         947         14           NICKEL         8.3         250           SELENUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         237         1500           VOLATILE ORGANICS         237         1500           NOME DETECTED             SEMIVOLATILE ORGANICS         NO STANDARD           ACENAPHTHYLENE         0.045,J         NO STANDARD           PUENANTHENE         2.4         NO STANDARD           PUENANTHENE         2.4         NO STANDARD <td></td> <td></td> <td></td> <td></td> <td></td> <td>ANTIMONY</td> <td>293</td> <td>14</td> <td>х</td>						ANTIMONY	293	14	х
CADMIUM         6.22         1           CHROMIUM         73.6         NO STANDARD           COPPER         116         600           LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         237         1500           VOLATILE ORGANICS         0.22,J         100           SEMIVOLATILE ORGANICS         0.31,J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23,J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23,J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23,J         NO STANDARD           ACENAPHTHYLENE         0.36         100           PHENANTHRENE         2.4         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         100           PYRENE         1.3         0.9		•				ARSENIC	27.8	1	x
CHROMIUM         73.6         NO STANDARD           COPPER         116         600           LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         NOME DETECTED						CADMIUM		1	x
COPPER         116         600           LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS						CHROMIUM			^
LEAD         7840         400           MERCURY         947         14           NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         237         1500           NONE DETECTED             SEMIVOLATILE ORGANICS             NAPHTHALENE         0.22J         100           2-METHYLNAPHTHALENE         0.13J         NO STANDARD           ACENAPHTHENE         0.36         100           DIBENZOFURAN         0.23J         NO STANDARD           PHENANTHRENE         2.4         NO STANDARD           ACCINAPHTHENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         NO STANDARD           ANTHRACENE         1.3         0.9           BIS(2-ETHYLIEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           GENZO[AJANTHRACENE         1.3         0.9           BENZO[AJAPTRACENE         0.57         0.9 <td></td> <td></td> <td></td> <td></td> <td></td> <td>COPPER</td> <td></td> <td></td> <td></td>						COPPER			
MERCURY         947         14           NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS									v
NICKEL         8.3         250           SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         237         1500           NONE DETECTED             SEMIVOLATILE ORGANICS             NAPHTHALENE         0.13.J         NO STANDARD           ACENAPHTHYLENE         0.045.J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23.J         NO STANDARD           ACENAPHTHENE         0.37         100           PHENANTHENE         2.4         NO STANDARD           FLUORENE         0.37         100           PHENANTHRACENE         2.4         NO STANDARD           ANTHRACENE         2.4         NO STANDARD           PHENANTHRACENE         1.3         0.9           BIS/2ETHYLHEXYLPHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[AJANTHRACENE         1.3         0.9           BENZO[FLUORANTHENE         1.3         0.9           BENZO[AJANTHRACENE         0.57         0.9           BENZO[AJPYRENE         0.57 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X X</td>									X X
SELENIUM         0.53         63           ZINC         237         1500           VOLATILE ORGANICS         0.237         1500           NONE DETECTED									~
ZINC         237         1500           VOLATILE ORGANICS								1 1	
VOLATILE ORGANICS NONE DETECTED         1000           SEMIVOLATILE ORGANICS									
NONE DETECTEDSEMIVOLATILE ORGANICSNAPHTHALENE0.22.J1002-METHYLNAPHTHALENE0.13.JNO STANDARDACENAPHTHYLENE0.045.JNO STANDARDACENAPHTHENE0.36100DIBENZOFURAN0.23.JNO STANDARDFLUORENE0.37100PHENANTHRENE2.4NO STANDARDANTHRACENE0.6100PYRENE2.1100PYRENE1.30.9BIS(2-ETHYLHEXYL)PHTHALATE0.3949CHRYSENE1.30.9BENZO[K]FLUORANTHENE10.9BENZO[K]FLUORANTHENE1.30.9BENZO[K]FLUORANTHENE10.9BENZO[A]APTRENE0.570.9DIBENZO[A,HJANTHRACENE0.570.66BENZO[A,HJIPERVLENE0.59NO STANDARD0.101.101.111.121.131.131.131.131.131.141.151.151.161.161.171.181.191.191.101.101.101.111.111.111.111.111.111.111.111.111.111.111.111								1500	
SEMIVOLATILE ORGANICS NAPHTHALENE         0.22.J         100           2-METHYLNAPHTHALENE         0.13.J         NO STANDARD           ACENAPHTHYLENE         0.045.J         NO STANDARD           ACENAPHTHYLENE         0.36.6         100           DIBENZOFURAN         0.23.J         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[AJIFLUORANTHENE         1.3         0.9           BENZO[K]FLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33.J         0.66									
NAPHTHALENE         0.22J         100           2-METHYLNAPHTHALENE         0.13J         NO STANDARD           ACENAPHTHYLENE         0.045J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23J         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           PYRENE         2.4         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.57         0.9           DIBENZO[KJ,HJPERYLENE         0.33J         0.66						SEMIVOLATILE ORGANICS			
2-METHYLNAPHTHALENE         0.13.J         NO STANDARD           ACENAPHTHYLENE         0.045.J         NO STANDARD           ACENAPHTHYLENE         0.36         100           DIBENZOFURAN         0.23.J         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYLIPHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[AJPRINENENEN/ELUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.57         0.9           DIBENZIA, HJANTHRACENE         0.33.J         0.66           BENZO[G,H,IJPERYLENE         0.59         NO STANDARD							0.22.1	100	
ACENAPHTHYLENE0.045JNO STANDARDACENAPHTHENE0.36100DIBENZOFURAN0.23JNO STANDARDFLUORENE0.37100PHENANTHRENE2.4NO STANDARDANTHRACENE0.6100FLUORANTHENE2.4100PYRENE2.1100BENZO[AJANTHRACENE1.30.9BIS(2-ETHYLHEXYL)PHTHALATE0.3949CHRYSENE1.39BENZO[BJFLUORANTHENE1.30.9BENZO[KJFLUORANTHENE1.30.9BENZO[KJFLUORANTHENE1.30.9BENZO[AJPYRENE0.940.66INDENO[1,2,3-CD]PYRENE0.570.9DIBENZ[A,HJANTHRACENE0.33J0.66BENZO[G,H,J]PERYLENE0.59NO STANDARD									
ACENAPHTHENE         0.36         100           DIBENZOFURAN         0.23J         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           PYRENE         2.1         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[AJANTHENE         1.3         0.9           BENZO[AJANTHENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									
DIBENZOFURAN         0.23 J         NO STANDARD           FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CDJPYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,IJPERYLENE         0.59         NO STANDARD									
FLUORENE         0.37         100           PHENANTHRENE         2.4         NO STANDARD           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         100           FLUORANTHENE         2.4         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1         0.9           BENZO[KJFLUORANTHENE         1         0.9           BENZO[KJFLUORANTHENE         0.57         0.9           DIBENZ[A,H]ANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									
PHENANTHRENE         0.6         100           ANTHRACENE         0.6         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									
ANTHRACENE         0.6         100           FLUORANTHENE         2.4         100           PYRENE         2.1         100           BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[B]FLUORANTHENE         1.3         9           BENZO[B]FLUORANTHENE         1.3         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.666           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									
FLUORANTHENE       2.4       100         PYRENE       2.1       100         BENZO[AJANTHRACENE       1.3       0.9         BIS(2-ETHYLHEXYL)PHTHALATE       0.39       49         CHRYSENE       1.3       9         BENZO[BJFLUORANTHENE       1.3       0.9         BENZO[BJFLUORANTHENE       1.3       0.9         BENZO[KJFLUORANTHENE       1.3       0.9         BENZO[KJFLUORANTHENE       1       0.9         BENZO[KJFLUORANTHENE       1       0.9         BENZO[KJFLUORANTHENE       0.94       0.66         INDENO[1,2,3-CD]PYRENE       0.57       0.9         DIBENZ[A,HJANTHRACENE       0.33J       0.66         BENZO[G,H,I]PERYLENE       0.59       NO STANDARD									
PYRENE         1.1         100           BENZO[AJANTHRACENE         2.1         100           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[BJFLUORANTHENE         1.3         9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[BJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1.3         0.9           BENZO[KJFLUORANTHENE         1         0.9           BENZO[AJPYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									
BENZO[AJANTHRACENE         1.3         0.9           BIS(2-ETHYLHEXYL)PHTHALATE         0.39         49           CHRYSENE         1.3         9           BENZO[B]FLUORANTHENE         1.3         0.9           BENZO[B]FLUORANTHENE         1.3         0.9           BENZO[K]FLUORANTHENE         1.3         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD								1	
BIS(2-ETHYLHEXYL)PHTHALATE       0.39       49         CHRYSENE       1.3       9         BENZO[B]FLUORANTHENE       1.3       0.9         BENZO[K]FLUORANTHENE       1       0.9         BENZO[A]PYRENE       0.94       0.66         INDENO[1,2,3-CD]PYRENE       0.57       0.9         DIBENZ[A,HJANTHRACENE       0.33J       0.66         BENZO[G,H,I]PERYLENE       0.59       NO STANDARD							r	1	~
CHRYSENE         1.3         9           BENZO[B]FLUORANTHENE         1.3         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[A]PYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD									Х
BENZO[B]FLUORANTHENE         1.3         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[K]FLUORANTHENE         1         0.9           BENZO[A]PYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD							1		
BENZO[K]FLUORANTHENE         1         0.9           BENZO[A]PYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,HJANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD								1	v
BENZO[A]PYRENE         0.94         0.66           INDENO[1,2,3-CD]PYRENE         0.57         0.9           DIBENZ[A,H]ANTHRACENE         0.33J         0.66           BENZO[G,H,I]PERYLENE         0.59         NO STANDARD							4		X
INDENO[1,2,3-CD]PYRENE 0.57 0.9 DIBENZ[A,H]ANTHRACENE 0.33J 0.66 BENZO[G,H,I]PERYLENE 0.59 NO STANDARD									X
DIBENZ[A,HJANTHRACENE 0.33J 0.66 BENZO[G,H,I]PERYLENE 0.59 NO STANDARD									Х
BENZO(G,H,I)PERYLENE 0.59 NO STANDARD									
					1				
					h		0.09	NUSTANDARD	· · · · · · · · · · · · · · · · · · ·
HEPTACHLOR 0.022J 0.15					ľ		0.0001		

### SAMPLING SUMMARY AND ANALYTICAL RESULTS AABCO STEEL DRUM, INC. CITY OF CAMDEN, CANDEN COUNTY, NJ

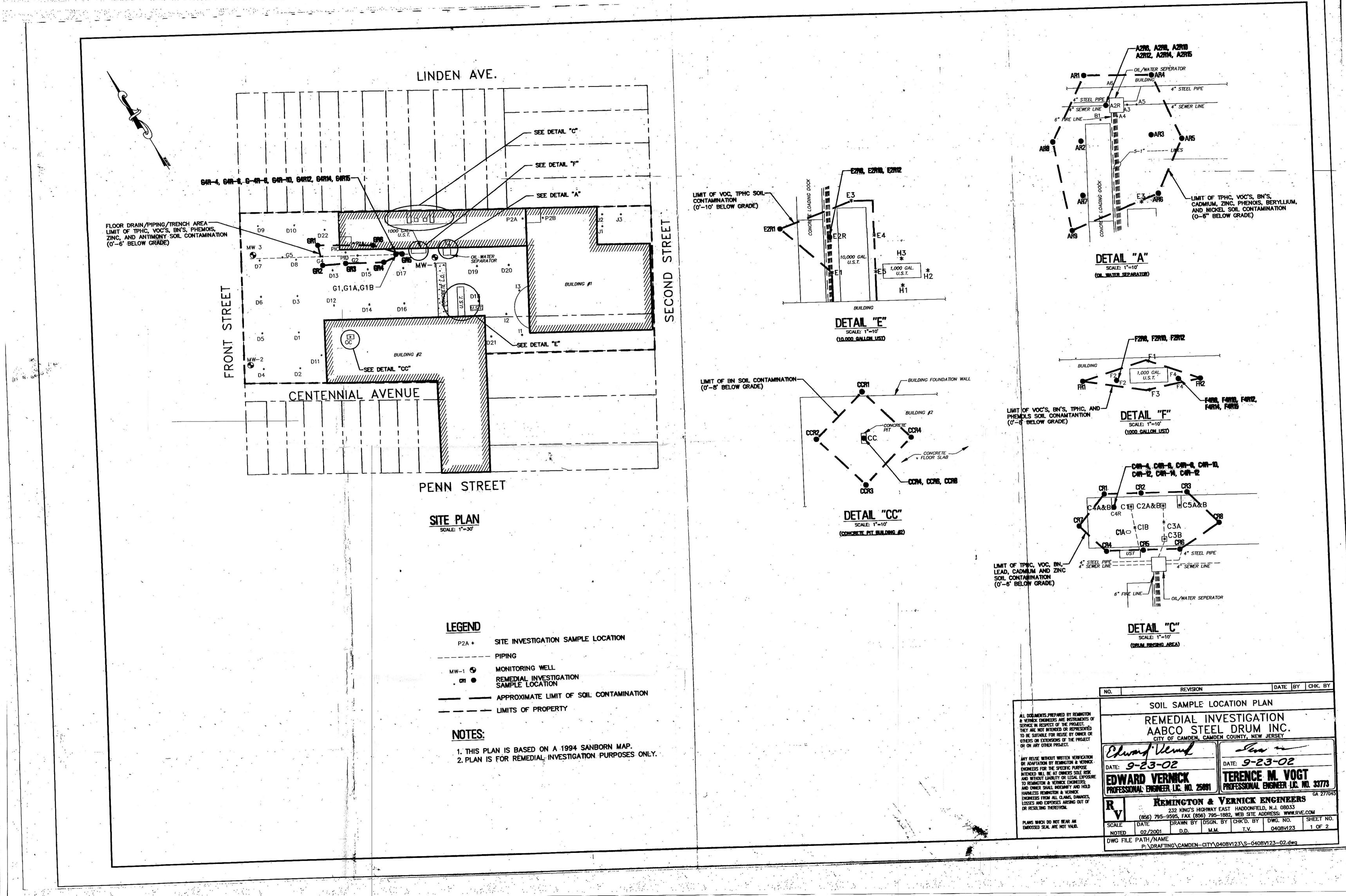
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1.049 1011 1011 1 1011 10

Matter 1 -

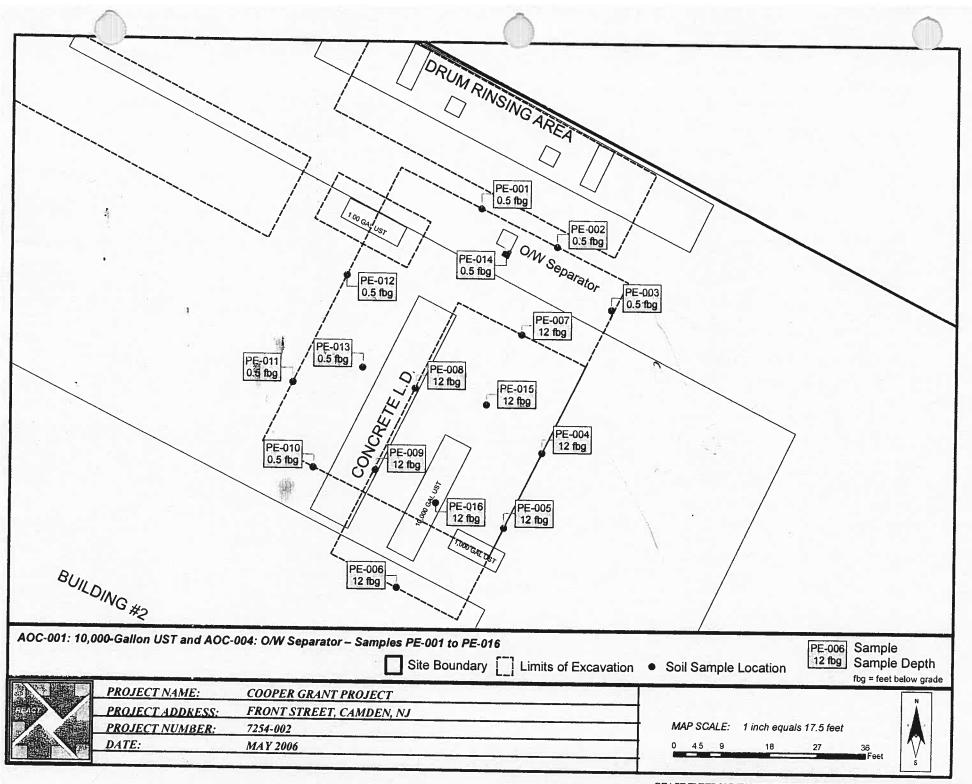
AREA OF CONCERN	PARAMETERS	R&V SAMPLE ID/		PID	PARAMETERS	CONCENTRATION	NJDEP	EXCEED
AOC E, YARD AREA	ANALYZED PP+40, TPHC, pH	LAB SAMPLE ID	DEPTH	READINGS	DETECTED	(PPM)	LIMITS (PPM)	
	гетао, тенс, рн	D9 / E3625	0-6"		CYANIDE	0.55	1100	LIMITS
•			24" (VOLATILES ONLY)		PHENOL	2.8J	50	
					ТРНС	321	10,000	
					pH: 8.25 (SU)		10,000	
					METALS			
	•				ANTIMONY	1.14		
					ARSENIC	4.88	14	
					CADMIUM		20	
					CHROMIUM	2.51	1	Х
					COPPER	238	NO STANDARD	
					LEAD	99.1	600	
					MERCURY	452	400	Х
						1.61	14	
					NICKEL	22.5	250	
					ZINC VOLATILE ORGANICS	475	1500	
						0.003J	100	
					SEMIVOLATILE ORGANICS			
					PHENOL	2.8J	50	
				[	NAPHTHALENE	2.4DJ	100	
					2-METHYLNAPHTHALENE		NO STANDARD	
					ACENAPHTHYLENE		NO STANDARD	
				1	ACENAPHTHENE	3.3DJ	100	
					DIBENZOFURAN	2DJ	NO STANDARD	
					FLUORENE	3.6D	100	
				1	PHENANTHRENE	24D	NO STANDARD	
					ANTHRACENE	6.4	100	
					DI-N-BUTYLPHTHALATE	4.2D	100	
				[	FLUORANTHENE	24D	100	
					PYRENE	27D	100	
					BENZO[A]ANTHRACENE	13D	0.9	х
					BIS(2-ETHYLHEXYL)PHTHALATE	0.52DJ	49	
					CHRYSENE	13D	9	x
					BENZO[B]FLUORANTHENE	12D	0.9	x
				1	BENZO[K]FLUORANTHENE	8.6D	0.9	x
					BENZO[A]PYRENE	11D	0.66	x
					INDENO[1,2,3-CD]PYRENE	4.4D	0.9	x
					DIBENZ[A,H]ANTHRACENE	2.8D	0.66	x
					BENZO[G,H,I]PERYLENE		IO STANDARD	^
				P	ESTICIDES / PCB's			·
•					HEPTACHLOR	0.056J	0.15	

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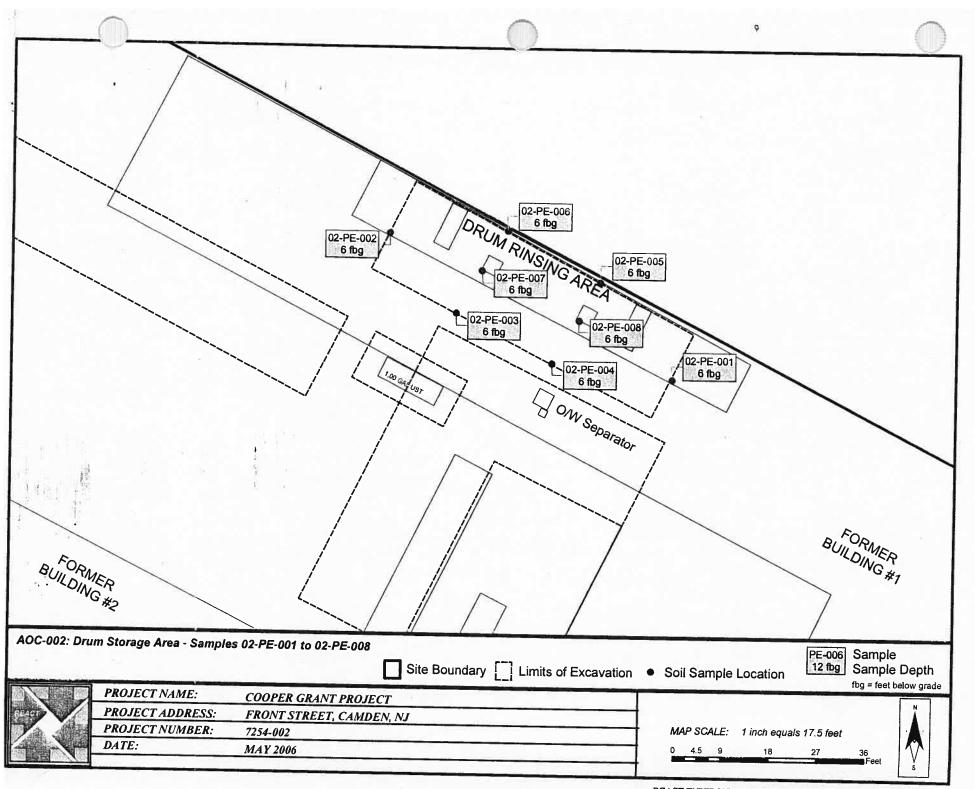


## **APPENDIX E**

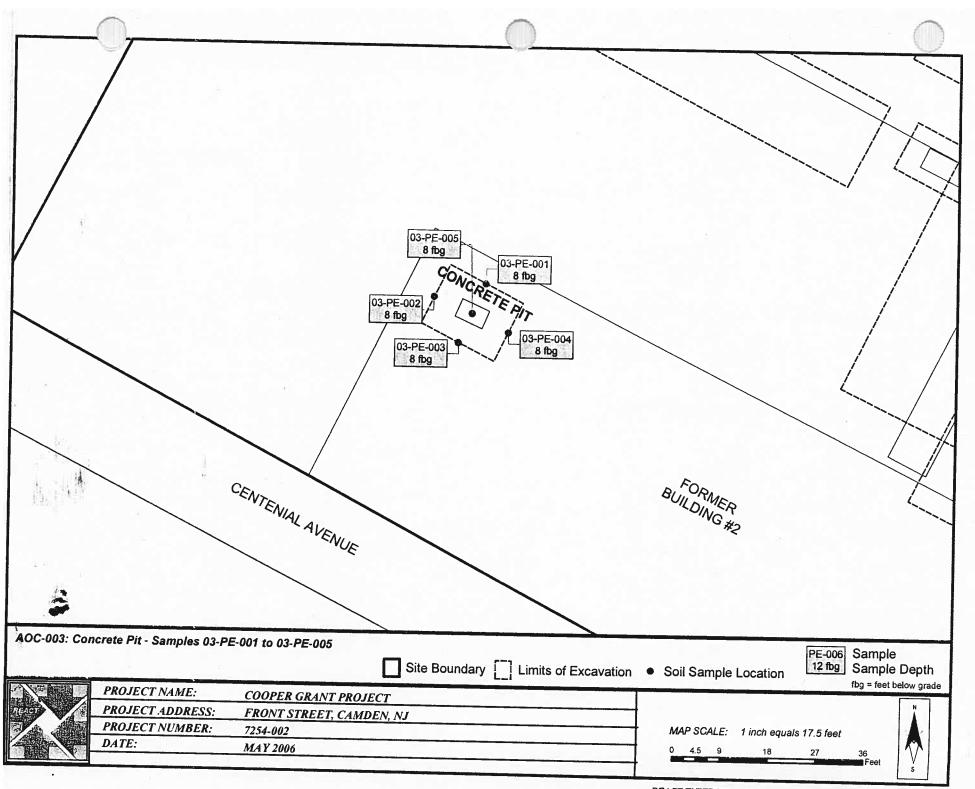
Post-Excavation Sampling Locations and Results (REPSG, May 2006)



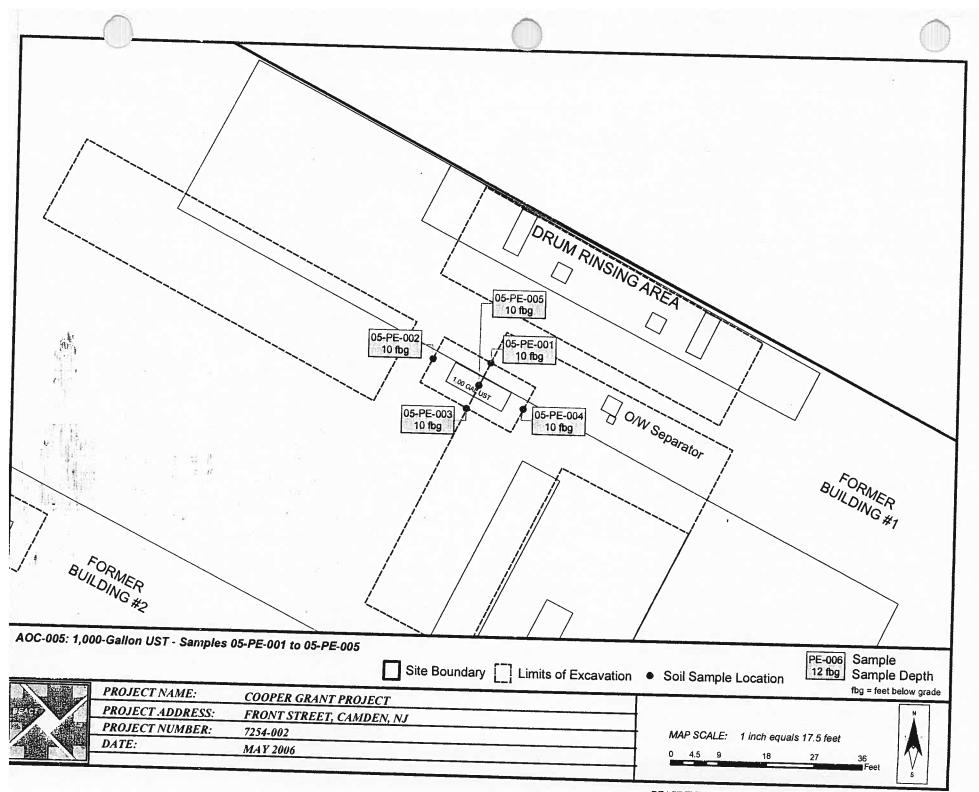
## REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC.



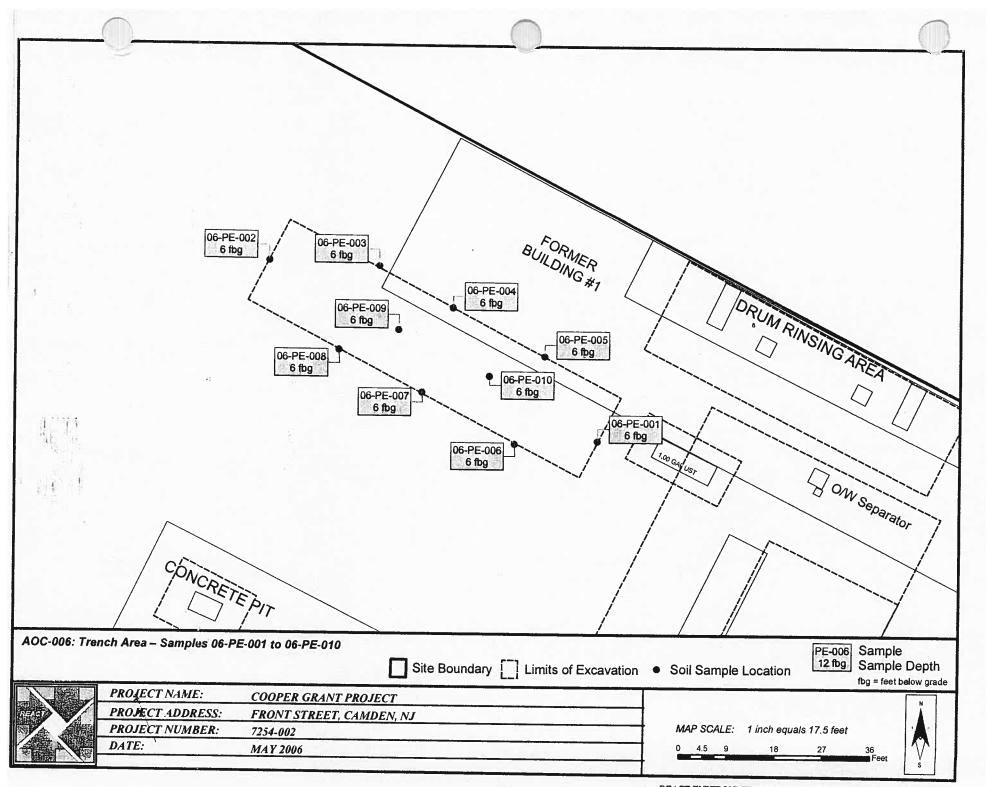
REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC.



REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC.



REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP INC



REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC.

# 6901<sup>4</sup> King

## ANALYTICAL CHEMISTRY REPORT

#### SAMPLING PERIOD: 3/31/2006 MATRIX: SOIL

### **METHODS:**

EPA Method 418.1 - Total Petroleum Hydrocarbons (TPH)

EPA Method 6010B - Metals and Trace Elements by ICP/Atomic Emission Spectrometry EPA Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

## APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A, 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Subsurface Soil, 2-15 Feet) Pathways: Use Aquifer, Low Dissolved Solids (<2500).

EPA Method 418.1

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (10g)	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007 12 03/31/2006 12.00	PE-008.12 03/31/2006 12.00
TPH	418.1	(mg/kg)			<50U	<50U	55	<50U	300
CONSTITUENT	METHOD	UNITS	•STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (16g)	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00		
грн	418.1	(mg.kg)			(). Solaria a		2000D		

Exceedences of the Regulatory Standard are Primed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\leq$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.

## React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue: P.O. Box 5377, Philadelphia, PA 19142\*\* 654A Mount Road "Aston, PA/19014

## COOPER GRANT PROJECT FRONT STREET, CAMDEN, NJ

REPSG PROJECT No. 7254-002



Page 1 of 12



### Project No.:7254-002 Page 2 of 12

ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (0g)	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12:00	PE-006:12 03/31/2006 12 00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
otal Solids	5035 7 5	(%)			96.4	83.7	91.4	93.4	93.:
STITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Bg)	PE-009.12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00		
al Solids	5035 7.5	(%)			93.7	91.7	91		

## EPA Method 6010B

CONSTITUENT	метнор	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Ibg)	PE-004-12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006-12 03/31/2006 12.00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
Antimony	6010B	(mg/kg)	27		<5U	< <b>5</b> U	<5U	<5U	< <b>5</b> U
Beryllium	6010B	(mg/kg)	320		<0.2U	0.23	0.35	0.29	0,37
Cadnuum	6010B	(mg/kg)	38	and a second second second second	<1U	<iu< td=""><td>&lt;10</td><td>&lt;1U</td><td>&lt;1U</td></iu<>	<10	<1U	<1U
Lead	6010B	(mg/kg)	450		<5U	<5U	20	6.4	67
Nickel	6010B	(mg/kg)	650	and the second and the second second	3.4	8.8	8.3	6.5	8.2
Zinc	601QB	(mg/kg)	12000		12	36	51	30	86
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE. SAMPLE DEPTH ((bg):	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00		

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value \_\_ = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentatively Identified Compound (TIC).  $\underline{Y}$ - Tentatively Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



### Project No.:7254-002 Page 3 of 12

## EPA\_Method 6919B

CONSTITUENT	. METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DOCATION: SAMPLE DATE: SAMPLE DEPTH (Rg):	PE-009;12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00	
Antimony	6010B	(mg/kg)	27		<5U	<5U	-511	
Beryllium	¢010B	(mg/kg)	320		<0.2U	0.26	<5U 0.27	
Cadmium	6010B	(mg/kg)	38		<1U	<10	<1U	Contraction of the second second
Lead	6010B	(mg/kg)	450		<\$U	8	21	
Nickel	6010B	(mg/kg)	650		6.5	12	8.9	NAMPARATI NAMPANY DIA YATI ANG ANG TAN
Zinc	6010B	(mg/kg)	12000		20	50	39	

### EPA Method 8260B

CONSTITUENT	Method	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (0 <sub>8</sub> ):	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
1,1,1-trichloroethane	8260B	(ugʻkg)	20000		<210UD	<190UD	<180UD	<170UD	<190UD
1,1,2,2-Tetrachloroethane	8260B	(ug.kg)	30		<210UD#	<190UD#	<180UD#	<170UD#	<190UD#
1,1,2-Trichloroethane	8260B	(ug/kg)	500		<210UD	<190UD	<180UD	<170UD	<190UD
,1-Dichloroethane	8260B	(ug/kg)	11000		<210UD	<190UD	<180UD	<170UD	<190UD
,1-Dichloroethylene	8260B	(ug/kg)	700	an analog and an	<210UD	<190UD	<180UD	<170UD	<1900D
.2-Dichloroethane	8260B	(ug/kg)	500		<210UD	<190UD	<180UD	<170UD	<1900D
,2-Dichloropropane	8260B	(ug/kg)	500	(1997) (1997) (1997) (1997)	<210UD	<190UD	<180UD	<170UD	<190UD
-Hexanone	8260B	(ug/kg)	670000		<1100UD	<970UD	<890UD	<870UD	<960UD
Acetone	8260B	(ug/kg)	1000000		<11000UD	<9700UD	<8900UD	<8700UD	<9600UD
Benzene	8260B	(ug/kg)	500	ha tan ba ƙa	<110UD	<97UD	<89UD	<87UD	<96UD

Exceedences of the Regulatory Standard are Printed in Bold.

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## React Environmental Professional Services Group, Inc.

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### Project No.:7254-002 Page 4 of 12

EPA-Method 8260B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE:	PE-004:12 03/31/2006	PE-005:12 03/31/2006	PE-006.12 03/31/2006	PE-007 12 03/31/2006	PE-008-12 03/31/2006
	211 ( 신화 프로그램으로	1.01		SAMPLE DEPTH (ibg).	12.00	12 00	12.00	12 00	12.00
Bromodichloromethane	8260B	(ug/kg)	10000		<110UD	<97UD	<89UD	<87UD	<96UE
Bromoform	8260B	(ug/kg)	10000		<210UD	<190UD	<180UD	<170UD	<90UL <190UE
Carbon disulfide	8260B	(ug/kg)	-10000	Array of the second second second	<1600UD	<1400UD	<1300UD	<1300UD	
Carbon tetrachloride	* 8260B	(ug/kg)	500		<210UD	<190UD	<180UD	<170UD	<1400UE
Chlorobenzene	8260B	(ug/kg)	10000		<210UD	<190UD	<180UD	<170UD	<190UE <190UD
Chloroethane	8260B	(ug/kg)	90000		<430UD	<390UD	<360UD	<350UD	<1900D
Chloroform	8260B	(ug/kg)	10000	and a children's when it canses	<210UD	<190UD	<180UD	<170UD	<190UD
cis-1,2-Dichloroethylene	8260B	(ug/kg)	7000		<210UD	<190UD	<180UD	<170UD	<1900E
cis-1,3-Dichloropropene	8260B	(ug/kg)	- the conclusion ended to the	Conversion Contraction of the Station	<210UD	<190UD	<180UD	<1700D	<1900E
Dibromochloromethane	\$260B	(ug/kg)	10000		<210UD	<190UD	<180UD	<170UD	<1900E
Ethylbenzene	8260B	(ug/kg)	70000	en eller för föra könnann fäller för	<210UD	<190UD	<180UD	<1700D	<1900E
vlethyl bromide	8260B	(ug/kg)	1000		<320UD	<290UD	<270UD	<260UD	<290UD
Methyl chloride	8260B	(ug/kg)	300		<1100UD#	<970UD#	<890UD#	<870UD#	<960UD#
vlethyl ethyl ketone	8260B	(ug/kg)	380000		<11000UD	<9700UD	<8900UD	<8700UD	<9600UD
Methyl isobutylketone (MIBK)	8260B	(ug/kg)	+1000	PART P FAIL ADDINES	<1100UD	<970UD	<890UD	<870UD	<960UD
dethyl tert-butyl ether	8260B	(ug/kg)	2000		<210UD	<190UD	<180UD	<170UD	<190UD
Aethylene chloride	8260B	(ug/kg)	500		<3200UD#	<2900UD#	<2700UD#	<2600UD#	<2900UD#
Styrene	8260B	(ug/kg)	24000		<210UD	<190UD	<180UD	<170UD	<190UD
Fetrachloroethylene	8260B	(ug/kg)	500		<110UD	<97UD	<89UD	<87UD	390D
oluene	8260B	(ug.kg)	100000		<210UD	<190UD	<180UD	<170UD	<190UD
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000		<210UD	<190UD	<180UD	<170UD	<1900D
rans-1,3-Dichloropropene	8260B	(ug/kg)			<210UD	<190UD	<180UD	<170UD	<1900D

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### EPA Method 8260B

ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Bg)	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
Frichloroethylene	8260B	(ug kg)	500		<110UD	<9 <b>7</b> UD	<89UD	<87UD	
Frichlorofluoromethane	\$260B	(ug/kg)	200000		<210UD	<190ÜD	<180UD	<170UD	<96UD
Vinyl chloride	8260B	(ug/kg)	200		<210UD#	<190UD	<1800D	<1700D	<190UD
Kylene (10tal)	8260B	(ug/kg)	1000000		<640UD	<580UD	<530UD	<1700D <520UD	<190UD <580UD
ONSTITUENT	METHOD	UNITS	•STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Pog):	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00		
,1,1-trichloroethane	8260B	(ug/kg)	20000		<180UD	<200UD	<170UD		
,1,2,2-Tetrachloroethane	8260B	(ug/kg)	30		<180UD#	<200UD#	<170UD#		
,1,2-Trichloroethane	8260B	(ug/kg)	500	analy in the shared and	<180UD	<200UD	<170UD		
.1-Dichloroethane	8260B	(ug/kg)	11000		<180UD	<200UD	<170UD		
,1-Dichloroethylene	8260B	(ug/kg)	700		<180UD	<200UD	<170UD	REALIZED STREET	
,2-Dichloroethane	8260B	(ug/kg)	500		<180UD	<200UD	<170UD		
,2-Dichloropropane	8260B	(ug/kg)	500		<180UD	<200UD	<170UD		
-Hexanone	8260B	(ug/kg)	670000	6. 美国家语:	<910UD	<1000UD	<860UD		
lectone	8260B	(ug/kg)	1000000	ine monte consection and character	<9100UD	<10000UD	<8600UD		
enzene	8260B	(ug/kg)	500		<91UD	<100UD	<86UD		
romodichloromethane	8260B	(ug/kg)	10000		<91UD	<100UD	<86UD	Second Cold Distriction	
romoform	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD		
arbon disulfide	8260B	(ug/kg)	+10000	Processing of the second second	<1400UD	<1500UD	<1300UD		
arbon ietrachloride	8260B	(ug/kg)	500		<180UD	<200UD	<170UD		

Exceedences of the Regulatory Standard are Printed in Bold.

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### Project No.:7254-002

Page 6 of 12

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (By)	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016: 12 03/31/2006 12.00	
Chlorobenzene	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD	
Chloroethane	\$260B	(ug/kg)	90000	No. Charles	<360UD	<400UD	<340UD	
Chloroform	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD	
sis-1,2-Dichloroeiliylene	8260B	(ug/kg)	7000		<180UD	<200UD	<170UD	
sis-1.3-Dichloropropene	8260B	(ug/kg)		9760 - 100 GW - 1271 -	<180UD	<200UD	<170UD	
Dibromochloromethane	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD	
Sthylbenzene	8260B	(ug/kg)	70000		<180UD	<200UD	<170UD	
Aethyl bromide	8260B	(ug.kg)	1000		<270UD	<300UD	<260UD	
Aethyl chloride	8260B	(ug.kg)	300	501-013 to 1 51281 (H)1-01	<910UD#	<1000UD#	<860UD#	
dethyl ethyl keione	8260B	(ug kg)	580000	Sec. She Fall	<9100UD	<10000UD	<8600UD	
Aethyl isobutylketone (MIBK)	8260B	(ug/kg)	+1000		<910UD	<1000UD	<860UD	Annahis an ann an an an ann an 193
Aethyl tert-buryl ether	8260B	(ug/kg)	2000		<180UD	<200UD	<170UD	
fethylene chloride	8260B	(ug/kg)	500		<2700UD#	<3000UD#	<2600UD#	
tyrene	8260B	(ug/kg)	24000		<180UD	<200UD	<170UD	
etrachloroethy lene	8260B	(ug/kg)	500		<91UD	<100UD	130D	nasaran na sa
'oluene	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD	
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000		<180UD	<200UD	<170UD	
rans-1,3-Dichloropropene	8260B	(ug/kg)			<180UD	<200UD	<170UD	
richloroethylene	8260B	(ug/kg)	500		<91UD	<100UD	<86UD	
richlorotluoromethane	8260B	(ug/kg)	200000		<180UD	<200UD	<170UD	
inyl chloride	8260B	(ug/kg)	200		<180UD	<200UD	<170UD	
(total)	8260B	(ug/kg)	1000000		<540UD	<610UD	<520UD	

Exceedences of the Regulatory Standard are Printed in Bold.

2UALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Lunit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{\_}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



Project No.:7254-002 Page 7 of 12

## EPA Method 8270D

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE, SAMPLE DEPTH (Dg).	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007,12 03/31/2006	PE-008:12 03/31/2006
			and the second	For Line Depair methods (DC)	NGC FOR CONTRACTOR OF STATES	1.31.81.84.81.81.82.890 (1.800	2 Meters 12.00 Figure	12.00	12.00
1,2,4-Trichlorobenzene	8270D	(ug/kg)	27000		<100U	<100U	<100U	<100U	<100U
2,4-Dimitrotoluene	8270D	(ug/kg)	840		<100U	<100U	<100U	<100U	<100U
,6-Dinitrotoluene	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
-Chloronaphthalene	· 8270D	(ug/kg)	. 18000000		<100U	<100U	<100U	<100U	<100U
-Meihylnaphthalene	· 8270D	(ug/kg)	· 8000000		<100U	<100U	<100U	<1000	<100U
,3-Dichlorobenzidine	8270D	(ug/kg)	32000		<500U	<500U	<500U	<500U	<100U
Bromophenyl phenyl ether	8270D	(ug/kg)	670000	testa terri den akternasion	<100U	<100U	<100U	<100U	<100U>
-Chlorophenyl phenyl ether	8270D	(ug/kg)	. 670000		<100U	<100U	<100U	<1000 <100U	<1000
cenaphthene	8270D	(ug/kg)	4700000		<100U	<100U	<100U	<100U	Contraction of the Article
cenaphthylene	8270D	(ug/kg)	6900000	生成主义和主义	<100U	<100U	<100U	<100U	<100U
niline	8270D	(ug/kg)	580	neprised 161-1625	<100U	<100U	<1000 <100U	<100U	<100U
nthracene	8270D	(ug/kg)	. 350000		<100U	<100U	<100U		<100U
enzo(a)anthracene	8270D	(ug/kg)	320000		<100U	<100U	<100U	<100U <100U	200
enzo(a)pyrene	8270D	(ug/kg)	-16000		<100U	<1000	<100U	<100U	670
enzo(b)fluoranthene	8270D	(ug/kg)	170000		<100U	<100U	<100U		900
enzo(ghi)perylene	8270D	(ug/kg)	180000	<u> 新新一方式通知</u> 参加	<100U	<1000	<100U	<100U	1100
enzo(k)fluoranthene	8270D	(ug/kg)	610000	states a constant Paint of	<100U	<100U	<100U	<100U	570
enzyl alcohol	8270D	(ug/kg)	3100000	Translation and the second	<100U	<100U		<100U	430
s(2-chloroethoxy)meihane	8270D	(ug/kg)	670000		<1000 <100U	<100U	<100U	<100U	<100U
ist2-chloroethyl)ether	8270D	(ug/kg)	55		<100U#		<100U	<100U	<100U
is(2-chloroisopropyl)ether	8270D	(ug/kg)			and states white the	<100U#	<100U#	<100U#	<100U#
		("6, 25)			<100U	<100U	<100U	<100U	<100U

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U} = \text{Constituent not detected above Practical Quantitation Limit (PQL)}$   $\underline{J} = \text{Estimated Value.} = \text{Indicates that the reported concentration is the Practical Quantitation Limit (PQL)}$   $\underline{D} = \text{Compound identified at a secondary dilution factor.}$  $\underline{B} = \text{Analyte reported in associated field or trip blank}$   $\underline{N}$  - Tentatively Identified Compound (TIC).  $\underline{Y}$ - Tentatively Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



## React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

#### Project No.: 7254-002 Page 8 of 12

EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Bg)	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007:12 03/31/2006 12:00	PE-008:12 03/31/2006 12.00
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000		<330U	-22011			
Butylbenzylphthalate	8270D	(ug/kg)	10000000			<330U	<330U	<330U	<3300
Chrysene	8270D	(ug/kg)	230000		<100U	<100U	<100U	<100U	<1000
Dibenzo(a,h)anihracene	8270D	(ug.kg)	160000		<100U	<100U	<100U	<100U	630
Dibenzofuran	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	160
Diethyl phthalate	8270D		500000		<100U	<100U	<100U	<100U	<100U
Dimethyl phthalate	8270D	(ug/kg) (ug/kg)	THREWS SHE NOW LESS	enter sinte neutrations	<100U	<100U	<100U	<100U	<100U
Di-n-butyl pluthalate	8270D		670000		<100U	<100U	<100U	<100U	<1000
Di-n-octyl phthalate	8270D	(ug/kg)	+100000	<b>教室</b> 1983年1月1日	<330U	<330U	400	<330U	810
Diphenylamine		(ug/kg)	10000000		<100U	<100U	<100U	<100U	<100U
luoranthene	8270D	(ug kg)	20000		<100U	<100U	<100U	<100U	<1000
luorene	8270D	(ug/kg)	3200000		<100U	<100U	<100U	<100U	1800
	8270D	(ug/kg)	3800000		~100U	<100U	<100U	<100U	<100U
lexachlorobenzene	8270D	(ug/kg)	960		<100U	<100U	<100U	<100U	<100U
Iexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<100U	<100U	<100U	<100U
lexachlorocyclopentadiene	8270D	(ug/kg)	91000		<100U	<100U	<100U	<100U	<100U
lexachloroethane	8270D	(ug/kg)	560		<100U	<100U	<100U	<100U	<100U
ndeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000		<100U	<100U	<100U	<100U	680
ophorone	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
-Dichlorobenzene	8270D	(ug/kg)	61000	Contraction in the second	<100U	<100U	<100U	<100D	<100U
-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500Ų	<500U	<500U
aplithalene	8270D	(ug/kg)	25000	Service of the State Service	<100U	<100U	<100U	<100U	<100U
itrobenzene	8270D	(ug/kg)	5100		<100U	<100U	<100U	<1000 <100U	<100U

Exceedences of the Regulatory Standard are Printed in Bold,

QUALIFIERS:  $\underline{U} = \text{Constituent not detected above Practical Quantitation Limit (PQL)}$ .  $\underline{J} = \text{Estimated Value} = \text{Indicates that the reported concentration is the Practical Quantitation Limit (PQL)}$ .  $\underline{D} = \text{Compound identified at a secondary induction}$ 

\$ Print Date: 4/14/2006



Project No.:7254-002 Page 9 of 12

## EPA Method 8270D

				Martine India and a start	Contraction data and the first	The Part of the Part of the	and the state of the	a semiliration and a series of the	all sugar lines on
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH ((Dg)	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12.00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
N-Nitrosodipropylamine	8270D	(ug/kg)	37		<100U#	<100U#	<100U#	<100U#	<100U#
o-Dichlorobenzene	8270D	(ug/kg)	60000		<100U	<100U	<100U	<100U	<1000# <100U
o-Nitroaniline	8270D	(ug/kg)	580	HERDER (BRIDDER BRIDD	<500U	<500U	<500U	<500U	<500U
-Chloroaniline	\$270D	(ug kg)	52000		<100U	<100U	<100U	<100U	<100U
-Dichlorobenzene	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<1000
Plienanthrene	8270D	(ug/kg)	10000000		<100U	<100U	<100U	<100U	760
-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<500U
y rene	8270D	(ug/kg)	2200000		<100U	<100U	<100U	<100U	1000
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE:	PE-009.12 03/31/2006	PE-015:12 03/31/2006	PE-016:12 03/31/2006		
				SAMPLE DEPTH (Ibg):	12.00	12 00	12.00	相思知是自己的	
2,4-Trichlorobenzene	8270D	(ug/kg)	27000		<100U	<100U	<100U		
,4-Dinitrotoluene	8270D	(ug/kg)	840		<100U	<100U	<100U		
,6-Dinitrotoluene	8270D	(ug/kg)	10000		<100U	<100U	<100U	visiti visiti qui il tavasi	
-Chloronaphthalene	8270D	(ug/kg)	18000000	And the Court	<100U	<100U	<100U		
-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<100U	<100U	and the General and	
,3-Dichlorobenzichne	8270D	(ug/kg)	32000		<500U	<500U	<500U		
Bromophenyl phenyl ether	8270D	(ug/kg)	670000	A CONTRACTOR OF A CONTRACTOR O	<100U	<100U	<100U	an a	
-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<100U		
cenaphthene	8270D	(ug/kg)	4700000	and a second	<100U	<100U	<100U	NUMBER REPORT	
cenaphthylene	8270D	(ug/kg)	6900000	·····································	<100U	<100U	<100U	With Charles Charles	
			Contraction of the contract of		A REAL POST OF A DATA OF A	and the state of t	CONTRACTOR STREET, STR		

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U} = \text{Constituent not detected above Practical Quantitation Limit (PQL)}$   $\underline{J} = \text{Estimated Value}$   $\underline{-} = \text{Indicates that the reported concentration is the Practical Quantitation Limit (PQL)}$   $\underline{D} = \text{Compound identified at a secondary dilution factor}$   $\underline{B} = \text{Analyte reported in associated field or trip blank}$ .  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$  - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



Project No.:7254-002

Page 10 of 12

### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (By)	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00
Aniline	8270D	(ug/kg)	580		<100U	<100U	<100U
Anthracene	8270D	(ug/kg)	350000		<100U	<100U	<100U <100U
Benzo(a)anthracene	8270D	(ug/kg)	320000	lenas anto carro ser	<100U	<100U	220
Benzo(a)pyrene	8270D	(ug/kg)	46000		<100U	<100U	220
Benzo(b)fluoranthene	8270D	(ug/kg)	170000	and the second	<100U	<1000	370
Benzo(ghi)perylene	8270D	(ug/kg)	180000		<100U	<100U	120
Benzo(k)fluoranthene	8270D	(ug/kg)	610000	NO SEA COLOMPSE, MEST	<100U	<100U	150
Benzyl alcohol	8270D	(ug/kg)	3100000		<100U	<100U	<100U
Bis(2-chloroethoxy)inethane	8270D	(ug/kg)	670000	ter in den førstande state o	<100U	<100U	<100U
Bis(2-chloroethy1)ether	8270D	(ug/kg)	55		<100U#	<100U#	<1000#
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)	in the second	water and the second	<100U	<100U .	<100U
Bis(2-ethylhexyl)phthalaie(BEHP)	8270D	(ug/kg)	130000		<330U	<330U	<330U
Butylbenzylphthalate	8270D	(ug/kg)	10000000	alerte in the statements of	<100U	<100U	<100U
Chrysene	8270D	(ug/kg)	. 230000		<100U	<100U	240
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000		<100U	<100U	<100U
Dibenzofuran	8270D	(ug/kg)	670000		<100U	<100U	<100U
Diethyl phthalate	8270D	(ug kg)	, 500000	i - precesario di Lo Baki	<100U	<100U	<100U
Dimethyl phihalate	8270D	(ug/kg)	670000	COLUMN AND A	<100U	<100U	<100U
Di-n-butyl phthalate	8270D	(ug/kg)	+100000		<330U	<330U	390
Di-n-octyl phthalate	8270D	(ug kg)	10000000		<100U	<100U	<100U
Diphenylamine	8270D	(ug/kg)	20000		<100U	<100U	<1000
Fluoranthene	8270D	(ug/kg)	3200000	LAND AND AND AND AND AND AND AND AND AND	160	<100U	550

Exceedences of the Regulatory Standard are Printed in Bold.

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Project No.: 7254-002 Page 11 of 12

## EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH ((bg)	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12:00	PE-016:12 03/31/2006 12:00	
Fluorene	8270D	(ug/kg)	. 3800000		1700	<100U	<100U	AND
Hexachlorobenzene	8270D	(ug/kg)	960		<100U	<100U	<1000 <100U	Billion and states and
Hexachlorobutadiene	8270D	(ug/kg)	1200	Man 1.2, or in the state 214	<100U	<100U	<100U	
Hexachlorocyclopentadiene	8270D	(ug/kg)	91000		<100U	<100U	<100U	
lexachloroethane	8270D	(ug/kg)	560		<100U	<100U	<1000 <100U	
ndeno(1,2,3-cd)pyrcne	8270D	(ug/kg)	28000000		<100U	<1000	160	
sophorone	8270D	(ug/kg)	10000	And Alicenter Street and	<100U	<100U	<100U	CAREAGE INCOMENDATION OF A SECTION
n-Dichlorobenzene	8270D	(ug/kg)	61000	5.0%の必要素の必要素の必要素の必要素の必要素の必要素のの必要素ののない。	<100U	<100U	<100U	
n-Nitroaniline	8270D	(ug/kg)	580	Services of the constraint of the service of the se	<500U	<500U	<500U	
Vaphthalene	8270D	(ug/kg)	25000	的發展的政策。	<100U	<100U	<100U	
litrobenzene	8270D	(ug/kg)	5100	an a	<100U	<100U	<100U	and the second second second
I-Nitrosodipropylamine	8270D	(ug/kg)	37		<100U#	<100U#	<1u0U#	
-Dichlorobenzene	8270D	(ug/kg)	60000	<ul> <li>And Science of States Science and spin</li> </ul>	<100U	<100U	<100U	
-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	
-Chloroaniline	8270D	(ug/kg)	52000		<100U	<100U	<100U	
-Dichlorøbenzene	8270D	(ug/kg)	10000	Service and	<100U	<100U	<100U	
henanthrene	8270D	(ug/kg)	10000000	anna - 1975 Aris 24,201 Alio - 57	2200	<100U	300	November (estrumatingingiase in e
⊢Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	
yrene	8270D	(ug/kg)	2200000	resonance and a literation with the	370	<100U	430	and and an and a state of the second

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2UALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value  $\underline{-}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary lilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



## React Environmental Professional Services Group, Inc.

### Project No.: 7254-002 Page 12 of 12

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (.bg):	PE-004:12 03/31/2006 12.00	PE-005:12 03/31/2006 12.00	PE-006:12 03/31/2006 12:00	PE-007:12 03/31/2006 12.00	PE-008:12 03/31/2006 12.00
Phenol	9065	(mg/kg)	400		<0.654U	<0.753U	<0.689U	<0.675U	<0.676
DISTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Dg);	PE-009:12 03/31/2006 12.00	PE-015:12 03/31/2006 12.00	PE-016:12 03/31/2006 12.00		
Phenol	9065	(mg kg)	400		<0.672U	12.00 109D	<0.692U		den in bei

Exceedences of the Regulatory Standard are Primed in Bold.

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React. Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue, E.O. Box 5377, Philadelphia: PA 19142 1654A Mount Road, Aston, PA 19014

#### ANALYTICAL CHEMISTRY REPORT

#### SAMPLING PERIOD: 3/31/2006 MATRIX: SOIL

#### **METHODS:**

EPA Method 418.1 - Total Petroleum Hydrocarbons (TPH)

EPA Method 6010B - Metals and Trace Elements by ICP/Atomic Emission Spectrometry EPA Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

## APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A. 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Subsurface Soil, 2-15 Feet) Pathways: Use Aquifer, Low Dissolved Solids (<2500).

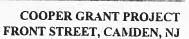
### EPA Method 418.1

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (fbg)	02-PE-001 6 03/31/2006 6.00	02-PE-002:6 03/31/2006 6.00	02-PE-003:6 03/31/2006 6.00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6.00
ТРН	418.1	(mg/kg)	• 		<50U	<50U	<50U	53	130
CONSTITUENT	метнор	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (/bg)	02-PE-006:6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008.6 03/31/2006 6.00		
ГРН	418.1	(mg/kg)			<50U	<50U	1000D		

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Print Date: 4/13/2006



Page 1 of 12

REPSG PROJECT No. 7254-002



ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (ibg).	02-PE-001.6 03/31/2006 6.00	02-PE-002:6 03/31/2006 6.00	02-PE-003:6 03/31/2006 6.00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6.00
otal Solids	5035 7 5	· (%)	and the second second		93.4	89.5	87.7	95.1	89.5
NSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH ((bg):	02-PE-006 6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008:6 03/31/2006 6.00		
tal Solids	5035 7.5	(%)		成为 不可能能	86.2	89.8	91.2	an a	

## EPA Method 6010B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (bg).	02-PE-001.6 03/31/2006 6.00	02-PE-002:6 03/31/2006 6.00	02-PE-003-6 03/31/2006 6.00	02-PE-004 6 03/31/2006 6.00	02-PE-005/6 03/31/2006 6.00
Antimony	6010B	(mg/kg)	. 27		6.52	5.99	5.24	<5U	<5U
Beryllium	6010B	(mg/kg)	320		0.32	0.29	0.32	0.29	<0.2U
Cadmium	6010B	(mg/kg)	38		<iu< td=""><td><iu< td=""><td><iu< td=""><td><iu< td=""><td><iu< td=""></iu<></td></iu<></td></iu<></td></iu<></td></iu<>	<iu< td=""><td><iu< td=""><td><iu< td=""><td><iu< td=""></iu<></td></iu<></td></iu<></td></iu<>	<iu< td=""><td><iu< td=""><td><iu< td=""></iu<></td></iu<></td></iu<>	<iu< td=""><td><iu< td=""></iu<></td></iu<>	<iu< td=""></iu<>
Lead	6010B	(mg/kg)	450		<5U	140	83	< <b>5</b> U	24
Nickel	6010B	(mg/kg)	650	an a	6.9	7	6.7	4.6	3.2
Zinc	6010B	(mg/kg)	12000	landen de la destriction La constante de la destriction	22	95	73	17	40
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (10g.):	02-PE-006 6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008:6 03/31/2006 6.00		

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QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{S}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



### Project No.:7254-002 Page 3 of 12

## EPA Method 6010B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (N <sub>5</sub> )	02-PE-006.6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008:6 03/31/2006 6.00	
Antimony	6010B	(mg/kg)	27		<\$U	<5U	<5U	
eryllium	6010B	(mg/kg)	320	addenia i ner	0.44	<0.2	0.37	
adınium	6010B	(mg/kg)	38	and the provident set of the set of	<1U	<1U	<1U	en an
ad .	0010B	(mg/kg)	450		<5U	< <u>s</u> u	5.9	
ckel	6010B	(mg/kg)	630		5.8	4	13	
nc	6010B	(mg kg)	12000		51	18	38	
	1. C						회 및 비수가 기록수 및 연극	

## EPA Method 8260B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (108)	02-PE-001:6 03/31/2006 6.00	02-PE-002 6 03/31/2006 6.00	02-PE-003.6 03/31/2006 6.00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6.00
l, l, l-trichloroethane	8260B	(ug/kg)	20000		<210UD	<160UD	<180UD	<200UD	<180UD
1,1,2,2-Tetrachloroethane	8260B	(ug/kg)	30		<210UD#	<160UD#	<180UD#	<200UD#	<180UD#
1,2-Trichloroethane	8260B	(ug/kg)	. 500		<210UD	<160UD	<180UD	<200UD	<180UD
.1-Dichloroethane	8260 <u>B</u>	(ug/kg)	11000		<10UD	<160UD	<180UD	<200UD	<180UD
1-Dichloroethylene	8260B	(ug/kg)	700	and the second sec	<210UD	<160UD	<180UD	<200UD	<180UD
,2-Dichloroethane	8260B	(ug/kg)	500	構成した。「新算法」	<210UD	<160UD	<180UD	<200UD	<180UD
,2-Dichloropropane	8260B	(ug/kg)	500	CONTRACTOR CONTRACTOR	<210UD	<160UD	<180UD	<200UD	<180UD
-Hexanone	8260B	(ug/kg)	670000	#10月26日開16日。	<1000UD	<780UD	<900UD	<1000UD	<880UD
Acetone	8260B	(ug/kg)	1000000	and the set of the set	<10000UD	<7800UD	<9000UD	<10000UD	<8800UD
Benzene	8260B	(ug/kg)	500		<100UD	<78UD	<90UD	<100UD	<88UD

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Project No.:7254-002 Page 4 of 12

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Dy)	02-PE-001:6 03/31/2006 6.00	02-PE-002:6 03/31/2006	02-PE-003:6 03/31/2006	02-PE-004:6 03/31/2006	02-PE-005:6 03/31/2006
	and the second second		in the black of the second		0.00	6.00	6.00	6.00	6.00
Bromodichloromethane	8260B	(ug/kg)	10000		<100UD	<78UD	<90UD	<100UD	<88UI
Bromoform	8260B	(ug/kg)	10000		<210UD	<160UD	<180UD	<200UD	<180UI
Carbon disulfide	8260B	(ug/kg)	410000		<1500UD	<1200UD	<1300UD	<1500UD	<1300UI
Carbon tetrachloride	8260B	(ug/kg)	500		<210UD	<160UD	<180UD	<200UD	<180UE
Chlorobenzene	8260B	(ug/kg)	10000		<10UD	<160UD	<180UD	<200UD	<180UI
Chloroethane	\$260B	(ug/kg)	90000		<410UD	<310UD	<360UD	<400UD	<350UI
Chloroform	8260B	(ug/kg)	10000		<210UD	<160UD	<180UD	<200UD	<180UI
cis-1.2-Dichloroethylene	8260B	(ug/kg)	7000		<210UD	<160UD	<180UD	<200UD	<180UI
cis-1,3-Dichloropropene	8260B	(ug/kg)	Contraction of the local data		<210UD	<160UD	<180UD	<200UD	<180UI
Dibromochloromethane	8260B	(ug/kg)	10000		<210UD	<160UD	<180UD	<200UD	<180UE
Ethylbenzene	8260B	(ug/kg)	-0000	2019 - 2010 - 1019 - 2019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 2019 - 1019 - 20	<210UD	<160UD	<180UD	<200UD	<1800E
Methyl bromide	\$260B	(ug/kg)	1000		<310UD	<240UD	<270UD	<300UD	<260UE
Methyl chloride	8260B	(ug/kg)	300		<1000UD#	<780UD#	<900UD#	<1000UD#	<880UD#
Methyl ethyl ketone	8260B	(ug/kg)	580000		<10000UD	<7800UD	<9000UD	<10000UD	<8800UD
Methyl isobutylketone (MIBK)	8260B	(ug/kg)			<1000UD	<780UD	<900UD	<1000UD	<880UD
Methyl tert-buryl ether	8260B	(ug/kg)	2000		<210UD	<160UD	<180UD	<200UD	<180UL
Methylene chloride	8260B	(ug/kg)	500		<3100UD#	<2400UD#	<2700UD#	<3000UD#	<2600UD#
Styrene	8260B	(ug/kg)	24000		<210UD	<160UD	<180UD	<200UD	<180UD
Fetrachloroethylene	8260B	(ug/kg)	500		<100UD	<78UD	260D	<100UD	<1800D
Foluene	8260B	(ug/kg)	100000		<210UD	<160UD	<180UD	<200UD	<180UD
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000	ana ana amin'ny fisiana amin'ny fisiana	<210UD	<160UD	<1800D	<200UD	<180UD <180UD
rans-1,3-Dichloropropene	8260B	(ug/kg)			<210UD	<160UD	<180UD	<2000D	<180UD

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Project No.:7254-002 Page 5 of 12

## EPA Method 8260B

					and the second state of the second	the second	when my did the same first the one shade which	New Orall States and States and	CRACE DATE OF
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE.	02-PE-001.6 03/31/2006	02-PE-002:6 03/31/2006	02-PE-003:6 03/31/2006	02-PE-004:6 03/31/2006	02-PE-005:6 03/31/2006
State State State Street			与此對如國族的計	SAMPLE DEPTH (IDg)	6 00	6.00	6 00	6.00	6.00
Trichloroethylene	8260B	(ug/kg)	500		<100UD	<78UD	150D	<100UD	-001 ID
Trichlorofluoromethane	\$260B	(ug/kg)	200000		<210UD	<160UD	<180UD		<88UD
Vinyl chloride	8260B	(ug/kg)	200		<210UD#	<160UD	<180UD	<200UD	<180UE
Xylene (total)	8260B	(ug/kg)	1000000		<620UD	<470UD	<1800D <540UD	<200UD <610UD	<180UD <530UD
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Ng):	02-PE-006-6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008:6 03/31/2006 6.00		
l, l, l-trichloroethane	8260B	(ug/kg)	20000		<180UD	<160UD	<180UD		
1,1,2,2-Tetrachloroethane	8260B	(ug/kg)	30		<180UD#	<160UD#	<180UD#		
1,1,2-Trichloroethane	8260B	(ug/kg)	500		<180UD	<160UD	<180UD		
l, l-Dichloroethane	8260B	(ug kg)	11000		<180UD	<160UD	<180UD		
l,l-Dichloroethylene	8260B	(ug/kg)	700	strated and to be constant,	<180UD	<160UD	<180UD	the point day in a still a second	
1,2-Dichloroethane	8260B	(ug/kg)	500		<180UD	<160UD	<180UD		
1,2-Dichloropropane	8260B	(ug/kg)	500		<180UD	<160UD	<180UD		
-Hexanone	8260B	(ug/kg)	670000		<880UD	<820UD	<920UD		
Acetone	8260B	(ug/kg)	1000000	and the second se	<8800UD	<8200UD	<9200UD	annan an a	
Benzene	8260B	(ug/kg)	500		<88UD	<82UD	<92UD		
Bromodichloromethane	8260B	(ug/kg)	10000		<88UD	<82UD	<92UD	antieven eine eine eine eine eine eine eine	
Bromoform	8260B	(ug/kg)	10000		<180UD	<160UD	<180UD		
Carbon disulfide	8260B	(ug/kg)	+10000		<1300UD	<1200UD	<1400UD		
Carbon tetrachloride	8260B	(ug.kg)	500		<180UD	<160UD	<180UD		

Exceedences of the Regulatory Standard are Printed in Bold.

2UALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantilation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{\_}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary lilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



## React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

### Project No.:7254-002 Page 6 of 12

EPA Method 8260B

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CONSTITUENT	METHOD	UNITS	•STANDARD	SAMPLE LOCATION: SAMPLE DATE	02-PE-006:6	02-PE-007:6	02-PE-008:6	
		CIVITS	JIANDALD	SAMPLE DEPTH (Fbg)	03/31/2006	03/31/2006	03/31/2006	
		= =::00/6///25 -4	an successive and	es en narredelane.	6.00	6.00	6.00	
Chlorobenzene	8260B	(ug/kg)	10000		<180UD	<160UD	<180UD	
Chloroethane	8260B	(ug/kg)	90000		<350UD	<330UD	<370UD	
Chloroform	8260B	(ug/kg)	10000	and the second second second	<180UD	<160UD	<180UD	
cis-1,2-Dichloroethylene	8260B	(ug/kg)	7000		<180UD	<160UD	<180UD	
cis-1,3-Dichloropropene	8260B	(ug/kg)		and the second se	<180UD	<160UD	<180UD	Propulsing and sources in the set of the
Dibromochloromethane	8260B	(ug/kg)	10000		<180UD	<160UD	<180UD	
Ethylbenzene	8260B	(ug/kg)	70000		<180UD	<160UD	<180UD	nika di kata kana di dalam di salam di sa
Methyl bromide	8260B	(ug/kg)	1000		<270UD	<250UD	<280UD	Ratheolina an Anna Anna
Methyl chloride	8260B	(ug/kg)	300		<880UD#	<820UD#	_<920UD#	www.azzi Encoaid v. Fl. v. Flat add
vlethyl ethyl ketone	8260B	(ug/kg)	580000	能源于自己的原	<8800UD	<8200UD	<9200UD	
Aethyl isobutylketone (MIBK)	8260B	(ug/kg)	+1000	terral and the set of the start shall all a	<880UD	<820UD	<920UD	
dethyl tert-butyl ether	8260B	(ug/kg)	- 2000		<180UD	<160UD	<180UD	
Aethylene chloride	8260B	(ug/kg)	500	Constant of the second	<2700UD#	<2500UD#	<2800UD#	destreasing and by a contain
ry rene	8260B	(ug/kg)	24000		<180UD	<160UD	<180UD	
etrachioroethylene	8260B	(ug/kg)	500		<88UD	<82UD	<92UD	
Tolnene	8260B	(ug/kg)	100000	<b>建筑构造</b> 者:	<180UD	<160UD	<180UD	
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000	C 107 CH 1001-34801-5001	<180UD	<160UD	<180UD	
rans-1,3-Dichloropropene	8260B	(ug/kg)			<180UD	<160UD	<180UD	
richloroethylene	8260B	(ug/kg)	500	and the second se	<88UD	<82UD	<92UD	
richlorofluoromethane	8260B	(ug/kg)	200000		<180UD	<160UD	<180UD	
'inyl chloride	8260B	(ug/kg)	200		<180UD	<160UD	<180UD	
(ylene (total)	8260B	(ug/kg)	1000000		<530UD	<490UD	<550UD	

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{\cdot}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary fultion factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

Project No.: 7254-002 Page 7 of 12

EPA Method 8270D	Antonia Altonia				Mineral Contraction	Second States		的机构的正式	
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (10g)	02-PE-001 6 03/31/2006 6.00	02-PE-002:6 03/31/2006 6,00	02-PE-003:6 03/31/2006 6.00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6.00
1.2.4-Trichlorobenzene	8270D	• (ug/kg)	• 27000		<100U	<500UD	<100U	<100U	-1007
2,4-Dinitrotoluene	8270D	(ug/kg)	840		<100U	<500UD	<1000	<100U	<100U
2,6-Dinitrotoluene	8270D	(ug/kg)	10000	la solora e contromite e	<100U	<500UD	<100U	<100U <100U	<1000
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<500UD	<100U	<1000 <100U	<100U <100U
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<500UD	<100U	<100U <100U	<1000
3.3-Dichlorobenzidine	8270D	(ug/kg)	32000		<500U	<2500UD	<500U	<500U	<500U
I-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<500UD	<100U	<100U	<100U
-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<500UD	<100U	<100U	<1000
cenaphthene	8270D	(ug/kg)	4700000		<100U	<500UD	<100U	<100U	<1000
cenaphthy lene	8270D	(ug/kg)	6900000		<100U	<500UD	<100U	<1000 <100U	<1000
aniline	8270D	(ug/kg)	580	and the forth a section of the secti	<100U	<500UD	<100U	<100U	<100U
Inthracene	827QD	(ug/kg)	350000		<100U	<500UD	<100U	<100U	<100U
Benzo(a)anthracene	8270D	(ug/kg)	320000		<100U	<500UD	<100U	<100U	110
Benzo(a)pyrene	8270D	(ug/kg)	46000		<100U	<500UD	<100U	<100U	<100U
enzo(b)fluoranthene	8270D	(ug/kg)	170000		<100U	<500UD	110	<100U	140
Benzo(ghi)pery lene	8270D	(ug/kg)	180000	REAL AREA	<100U	<500UD	<100U	<100U	<100U
Benzo(k)fluoranthene	8270D	(ug/kg)	610000	and a second production of the second	<100U	<500UD	<100U	<100U	<1000
enzyl alcohol	8270D	(ug/kg)	3100000		<100U	<500UD	<100U	<100U	<1000
is(2-chloroethoxy)methane	8270D	(ug/kg)	670000		<100U	<500UD	<100U	<100U	<100U
is(2-chloroethy l)ether	8270D	(ug/kg)	55		<100U#	<500UD#	<100U#	<100U#	<100U#
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)		and a second second second second second	<100U	<500UD	<100U	<100U	<100U

Exceedences of the Regulatory Standard are Printed in Bold-



## React Environmental Professional Services Group, Inc. ANALYTICAL, CHEMISTRY REPORT

Project No.:7254-002 Page 8 of 12

### EPAtMethod 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (1bg)	02-PE-001:6 03/31/2006 6.00	02-PE-002:6 03/31/2006 6.00	02-PE-003:6 03/31/2006 6 00	02-PE-004:6 03/31/2006	02-PE-005:6 03/31/2006
			AV THE REPORT OF THE DESIGN	nan stating in a significant single				6.00	6.00
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000		<330U	<1600UD	<330U	<330U	<330U
Butylbenzylphthalate	8270D	(ug/kg)	1000000	合体的 医肌隆的	<100U	<500UD	<100U	<100U	<100U
Chrysene	8270D	(ug/kg)	230000		<100U	<500UD	<100U	<100U	100
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000		<100U	<500UD	<100U	<100U	<100U
Dibenzofuran	8270D	(ug/kg)	670000	in the second	<100U	<500UD	<100U	<100U	<100U
Diethyl phthalate	8270D	(ug/kg)	500000		<100U	<500UD	<100U	<100U	<100U
Dimethyl phthalate	8270D	(ug/kg)	670000		<100U	<500UD	<100U	<100U	<1000
Di-n-butyl phthalate	8270D	(ug/kg)	+100000		<330U	<1600UD	<330U	<330U	<330U
Di-n-octyl phthalate	8270D	(ug/kg)	10000000	the state of the state of the state of	<100U	<500UD	<100U	<100U	<100U
Diphenylamine	8270D	(ug/kg)	20000		<100U	<500UD	<100U	<100U	<1000 <100U
luoranthene	8270D	(ug/kg)	3200000	CONTRACTOR PRACTICAL SECTOR	<100U	<500UD	160	<1000	240
luorene	8270D	(ug/kg)	3800000	<b>送出,在</b> 周晨·周晨	<100U	<500UD	<100U	<100U	<100U
lexachlorobenzene	8270D	(ug/kg)	960	en disense som nå som billar, en det so	<100U	<500UD	<100U	<100U	<100U
Iexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<500UD	<100U	<100U	<1000
lexachlorocyclopentadiene	8270D	(ug/kg)	91000	nest-solutions which officially a lo	<100U	<500UD	<100U	<100U	<100U
lexachloroethane	8270D	(ug/kg)	560		<100U	<500UD	<100U	<100U	<100U
ndeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000	a serando con estancia materia	<100U	<500UD	<100U	<1000	<100U <100U
sophorone	8270D	(ug/kg)	10000		<100U 。	<500UD	<100U	<100U	<100U
n-Dichlorobenzene	8270D	(ug/kg)	61000	nerano in 1786 alles 121 ets	<100U	<500UD	<1000	<100U	<100U <100U
n-Nitroaniline	8270D	(ug/kg)	580		<500U	<2500UD#	<500U	<500U	<5000
laphthalene	8270D	(ug/kg)	25000	noordelling offerfilling	<100U	<500UD	<100U	<100U	<100U
litrobenzene	8270D	(ug/kg)	. 5100		<100U	<500UD	<100U	<100U	<100U <100U

Exceedences of the Regulatory Standard are Printed in Bold.



Project No.:7254-002 Page 9 of 12

EPA Method §270D		a de la casa	C. C. Land Martin		an an tain		Edit Contractor		
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (Dg):	02-PE-001:6 03/31/2006 6 00	02-PE-002:6 03/31/2006 6.00	02-PE-003:6 03/31/2006 6.00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6 00
N-Nitrosodipropylamine	8270D	(ug/kg)	37		<100U#	<500UD#	<100U#	<100U#	<100U#
o-Dichlorobenzene	8270D	(ug.kg)	60000		<100U	<500UD	<1000#	<1000# <100U	<1000;
o-Nitroaniline	8270D	(ug/kg)	580		<500U	<2500UD#	<500U	<500U	<5001
p-Chloroaniline	8270D	(ug/kg)	32000		<100U	<500UD	<100U	<100U	<300C
p-Dichlorobenzene	8270D	(ug/kg)	10000		<100U	<500UD	<100U	<100U	<1000
Phenanthrene	8270D	(ug/kg)	10000000		<100U	<500UD	<100U	<100U	180
p-Nitroaniline	8270D	(ug/kg)	580	en la costa sarante	<500U	<2500UD#	<500U	<500U	<500U
Pyrene	8270D	(ug/kg)	2200000		<100U	<500UD	130	<100U	<500C 180
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE: SAMPLE DEPTH (16g)*	02-PE-006.6 03/31/2006 6.00	02-PE-007:6 `03/31/2006 6.00	02-PE-008.6 03/31/2006 6.00		
,2,4-Trichlorobenzene	8270D	(ug/kg)	27000		<100U	<100U	<100U		
2,4-Diniirotoluene	8270D	(ug/kg)	840	<b>版計算机的</b>	<100U	<100U	<100U	<b>的形态的</b> 。	
2,6-Dinitrotoluene	8270D	(ug/kg)	10000		<100U	<100U	<100U		
-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<100U	<100U		
-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<100U	<100U		
,3-Dichlorobenzidine	8270D	(ug/kg)	32000		<500U	<500U	<500U		
-Bromophenyl phenyl ether	8270D	(ug/kg)	_ 670000		<100U	<100U	<100U		
-Chlorophenyl phenyl ether	8270D	(ug kg)	670000		<100U	<100U	<100U		
cenaphthene	8270D	(ug kg)	4700000		<100U	<100U	<100U	Restation to the States	
Acenaphthylene	8270D	(ug/kg)	. 6900000		<100U	<100U	<100U		

Exceedences of the Regulatory Standard are Printed in Bold.

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'rint Date: 4/13/2006



Project No.:7254-002 Page 10 of 12

## EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (log)	02-PE-006:6 03/31/2006 6.00	02-PE-007:6 03/31/2006 6.00	02-PE-008-6 03/31/2006 6 00	
Aniline	8270D	(ug.kg)	580		<100U	<100U	<100U	
Anthracene	\$270D	(ug/kg)	350000		<100U	<100U	<1000	
Benzo(a)anthracene	8270D	(ug/kg)	320000		<100U	<100U	<1000 <100U	Angelin and the
Benzo(a)pyrene	8270D	(ug/kg)	46000		<100U	<100U	<100U	
Benzo(b)fluoranthene	8270D	(ug/kg)	170000	Anterna Champering (1980)	<100U	<100	<1000 <100U	AND
Benzo(ghi)perylene	8270D	(ug/kg)	180000	<b>自己王</b> 依领:	<100U	<100U	<100U	
Benzo(k)fluoranthene	8270D	(ug/kg)	610000	A Contraction of the Addition	<100U	<100U	<100U	
Benzyl alcohol	8270D	(ug/kg)	. 3100000		<100U	<100U	<100U	
Bis(2-chloroethoxy)methane	8270D	(ug/kg)	670000	en de l'entre de la constant de la section	<100U	<100U	<100U	
Bis(2-chloroethyl)ether	8270D	(ug/kg)	55	A CARLES AND A CARLES	<100U#	<100U#	<100U#	
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)	and the second second second second second	CARL CARLENDER	<100U	<100U	<100U	
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	. 130000		<330U	<330U	<330U	an sa ki sa ki
Butylbenzylphthalate	8270D	(ug/kg)	10000000		<100U	<100U	<100U	
Chrysene	8270D	(ug/kg)	230000		<100U	<100U	<100U	State and the second
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000	Sole en environtionesee.	<100U	<100U	<100U	
Dibenzofuran	8270D	(ug/kg)	670000		<1000	<100U	<100U	
Diethy I phthalate	8270D	(ug/kg)	500000	The second	<100U	<100U	<100U	edonada esta esta en la consecuencia de
Dimethyl phthalate	8270D	(ug/kg)	670000		<100U	<100U	<100U	
Di-n-butyl phthalate	8270D	(ug/kg)	+100000		<330U	<330U	<330U	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
Di-n-octyl phthalate	8270D	(ug'kg)	1000000		<100U	<100U	<100U	
Diphenylamine	8270D	(ug/kg)	20000		<100U	<100U	<100U	weets chools to color
luoranthene	8270D	(ug/kg)	3200000		<100U	150	<100U	

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{\cdot}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary filution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentatively Identified Compound (TIC).  $\underline{Y}$ - Tentatively Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



#### Project No.:7254-002 Page 11 of 12

### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (Bg)	02-PE-006:6 03/31/2006 6.00	02-PE-007:6 03/31/2006	02-PE-008:6 03/31/2006
				the second of the second of the	6,00	6.00	6.00
Fluorene.	. \$270D	(ug/kg)	3800000		<100U	<100U	<100U
Hexachlorobenzene	8270D	(ugʻkg)	960		<100U	<100U	<100U
Hexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<100U	<100U
Hexachlorocyclopentadiene	8270D	(ug.kg)	91000		~100U	<100U	<1000
Hexachloroethane	8270D	(ug/kg)	560	A DESCRIPTION OF COMPANY OF COM	<100U	<100U	<1000
Indeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000		<100U	<100U	<100U
Isophorone	8270D	(ug/kg)	10000	and the state of the second	<100U	<100U	
m-Dichlorobenzene	8270D	(ug/kg)	61000		<100U	<1000 <100U	<100U
m-Nitroanihine	8270D	(ug/kg)	580	and the second states	<500U	<1000 <500U	<100U
Naphthalene	8270D	(ug/kg)	25000		<100U		<500U
Nitrobenzene	8270D	(ug/kg)	5100		<100U <100U	<100U	<100U
N-Nitrosodipropylamine	8270D	(ug/kg)	37			<100U	<100U
o-Dichlorobenzene	8270D	(ug/kg)	60000		<100U#	<100U#	<100U#
o-Nitroaniline	8270D	(ug/kg)	.180		<100U	<100U	<100U
p-Chloroaniline	8270D	(ug/kg)	52000	<b>王忠王王臣福汉</b> 法第一	<500U	<500U	<500U
p-Dichlorobenzene	8270D				<100U	<100U	<100U
Phenanthrene	8270D	(ug/kg)	10000		<100U	<100U	<100U
p-Nitroauiline		(ug kg)	10000000		<100U	<100U	<100U
E -secondris (15.10)	8270D	(ug/kg)	580		<500U	<500U	<500U
Pyrene	8270D	(ug/kg)	2200000		<100U	140	<100U

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U} = \text{Constituent not detected above Practical Quantitation Limit (PQL)}$ .  $\underline{J} = \text{Estimated Value}$ .  $\underline{-} = \text{Indicates that the reported concentration is the Practical Quantitation Limit (PQL)}$ .  $\underline{D} = \text{Compound identified at a secondary dilution factor}$ .  $\underline{B} = \text{Analyte reported in associated field or trip blank}$ .  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank,  $\underline{H}$  - PQL exceeds the reporting standard.



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## React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

Project No.: 7254-002 Page 12 of 12

ONSTITUENT         METHOD         UNITS         *STANDARD         SAMPLE LOCATION:         02-PE-006 6         02-PE-007:6         02-PE-008:6					SAMPLE DATE: SAMPLE DEPTH (10g)	03/31/2006 6.00	03/31/2006 6.00	03/31/2006 6 00	02-PE-004:6 03/31/2006 6.00	02-PE-005:6 03/31/2006 6.00
INSTITUENT METHOD INTS INTANDARD SAMPEDITE OF CONTRACTOR O			(mg kg)	400		<0.675U	<0.704U	<0.718U	<0.662U	<0.701U
SAMPLE DEPTH (Ng): 6.00 6.00 6.00	٧T	METHOD	UNITS	*STANDARD	SAMPLE DATE:	03/31/2006	03/31/2006	03/31/2006		

exceedences of the Regulatory Standard are Printed in Bold.

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{I} = Estimated Value \_ = Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified at a secondary ilution factor. \underline{B} = Analyte reported in associated field or trip blank. N - Tentativley Identified Compound (TIC). Y- Tentativley Identified Compound (TIC) also identified in Method Blank. # - PQL exceeds the reporting standard.$ 



React Environmental Professional Services Group, Inc.

### ANALYTICAL CHEMISTRY REPORT

SAMPLIN	G PERIOD:	3/31/2006
MATRIX:	SOIL	

#### **METHODS:**

EPA Method 160.3 - Total Residue by Drying Oven EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

## APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A, 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Subsurface Soil, 2-15 Feet) Pathways: Use Aquifer, Low Dissolved Solids (<2500).

EPA Method 160.34

METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH 1fbg):	03-PE-001.8 03/31/2006 8.00	03-PE-002 8 03/31/2006 8.00	03-PE-003:8 03/31/2006 8.00	03-PE-004:8 03/31/2006 8.00	03-PE-005:8 03/31/2006 8.00
160.3	(%)			92.6	94.8	93.3	85.8	94.5
<u>encentius</u>				Acade and				
METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (Ibg):	03-PE-001:8 03/31/2006 8.00	03-PE-002:8 03/31/2006 8.00	03-PE-003:8 03/31/2006 8.00	03-PE-004:8 03/31/2006 8.00	03-PE-005:8 03/31/2006 8.00
8270D	(ug/kg)	27000		<100U	<100U	<100U	<10011	<100U
8270D	(ug/kg)	840		<100U	<100U	- THE REPORT OF THE PARTY OF TH		<100U <100U
8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
	160.3 METHOD 8270D 8270D	160.3 (%) METHOD UNITS 8270D (ug/kg) 8270D (ug/kg)	160.3       (%)         METHOD       UNITS         8270D       (ug/kg)       27000         8270D       (ug/kg)       840	METHODUNITS*STANDARDSAMPLE DATE: SAMPLE DEPTH 1fbg):160.3(%)	METHOD         UNITS         *STANDARD         SAMPLE DATE:         03/31/2006           160.3         (%)         92.6           METHOD         UNITS         *STANDARD         SAMPLE DATE:         03/31/2006           160.3         (%)         92.6         92.6           METHOD         UNITS         *STANDARD         SAMPLE LOCATION:         03-PE-001.8           METHOD         UNITS         *STANDARD         SAMPLE DATE:         03/31/2006           SAMPLE DATE:         03/31/2006         SAMPLE DATE:         03/31/2006           8270D         (ug/kg)         27000         <100U	METHOD         UNITS         *STANDARD         SAMPLE DATE: SAMPLE DEPTH 10bg):         03/11/2006         03/31/2006           160.3         (%)         92.6         94.8           METHOD         UNITS         *STANDARD         SAMPLE DATE: SAMPLE DEPTH 10bg):         03/12/2006         03/31/2006           160.3         (%)         92.6         94.8           METHOD         UNITS         *STANDARD         SAMPLE DCATION: SAMPLE DATE:         03-PE-001.8         03-PE-002:8           METHOD         UNITS         *STANDARD         SAMPLE DATE:         03/31/2006         03/31/2006           8.00         8.00         8.00         8.00         8.00         8.00           8.270D         (ug/kg)         27000         <100U	METHOD         UNITS         *STANDARD         SAMPLE DATE: SAMPLE DEPTH (bg):         03/31/2006         03/31/2006         03/31/2006           160.3         (%)         92.6         94.8         93.3           METHOD         UNITS         *STANDARD         SAMPLE DATE: SAMPLE DEPTH (bg):         03/31/2006         03/31/2006         03/31/2006           160.3         (%)         92.6         94.8         93.3           METHOD         UNITS         *STANDARD         SAMPLE LOCATION: SAMPLE DATE:         03-PE-001.8         03-PE-002.8         03-PE-003.8           METHOD         UNITS         *STANDARD         SAMPLE DATE:         03/31/2006         03/31/2006         03/31/2006           8270D         (ug/kg)         27000         <100U	METHOD         UNITS         *STANDARD         SAMPLE DATE: SAMPLE DEPTH (bg):         03/31/2006

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Print Date: 4/11/2006





REPSG PROJECT No. 7254-002



### Project No.: 7254-002

Page 2 of 4

CONSTITUENT	метнор	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (fbg).	03-PE-001:8 03/31/2006 8.00	03-PE-002:8 03/31/2006 8.00	03-PE-003:8 03/31/2006 8.00	03-PE-004:8 03/31/2006 8.00	03-PE-005:8 03/31/2006 8.00
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<100U	<100U	-10011	
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<1000 <100U	<100U <100U	<100U	<1001
3,3-Dichlorobenzidine	8270D	(ug/kg)	32000		<500U	<500U	<500U	<100U	<100
4-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<100U	<500U	<5001
4-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1001
Acenaphthene	8270D	(ug/kg)	4700000		<100U	<100U	<100U	<100U <100U	<1001
Acenaphthylene	8270D	(ug/kg)	6900000	HERE'S CHARLES STORED	<100U	<100U	<100U	<100U <100U	<100
Amline	\$270D	(ug/kg)	580		<100U	<100U	<100U	<100U	<100
Anthracene	8270D	(ug/kg)	350000		<100U	<100U	<100U	<100U	<100
Benzo(a)anthracene	8270D	(ug/kg)	320000		<100U	<100U	<100U	300	<100
Benzo(a)pyrene	8270D	(ug/kg)	+6000	and the second	<100U	<100D	<100U	260	13
Benzo(b)fluoranthene	8270D	(ug/kg)	170000		<100U	<1000	<100U	390	12
Benzo(ghi)perylene	8270D	(ug/kg)	180000	antenni se narrovan	<100U	<100U	<100U	160	<1001
Benzo(k)tluoranthene	8270D	(ug/kg)	610000		<100U	<100U	<100U	130	<1000
Benzyl alcohol	8270D	(ug/kg)	3100000		<100U	<100U	<100U	<100U	<1000
sis(2-chloroethoxy)methane	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
sis(2-chloroethyl)ether	8270D	(ug/kg)	55	na di mangana na kangana kangana	<100U#	<100U#	<100U#	<100U#	<1000
is(2-chloroisopropyl)ether	8270D	(ug/kg)	1. A MARKET		<100U	<100U	<1000#	<1000# <100U	<1000
is(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000	mental and a second of the second	<330U	<330U	<330U	<330U	<330L
utylbenzylphthalate	8270D	(ug/kg)	10000000		<100U	<100U	<100U	<100U	<100L
hrysene	8270D	(ug/kg)	230000		<100U	<100U	<100U	300	130
Dibenzo(a.h)anthracene	8270D	(ug/kg)	160000		<100U	<100U	<100U	<100U	<100L

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#### Project No.: 7254-002 Page 3 of 4

EBA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (ibg):	03-PE-001;8 03/31/2006 8.00	03-PE-002:8 03/31/2006 8.00	03-PE-003:8 03/31/2006 8.00	03-PE-004:8 03/31/2006 8 00	03-PE-005.8 03/31/2006 8.00
Dibenzofuran	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<10011
Diethyl phihalaie	8270D	(ug/kg)	500000		<100U	<100U	<100U	<100U	<100U
Dimethyl phthalate	8270D	(ug/kg)	670000	ANATHA STO MELLINGSSOLING	<100U	<100U	<100U	<100U <100U	<100U
Di-n-butyl phthalate	8270D	(ug/kg)	4100000		<330U	<330U	<330U	<1000 <330U	<100U
Di-n-octyl phthalate	8270D	(ug/kg)	10000000	The second s	<100U	<100U	<100U	<100U	<330U <100U
Diphenylamine	8270D	(ug/kg)	20000		<100U	<100U	<100U	<100U	<100U <100U
Fluoranthene	8270D	(ug/kg)	3200000	a series and the series of the	140	<100U	<100U	760	340
Fluorene	8270D	(ug/kg)	3800000		<100U	<100U	<100U	<100U	040 <100U
Hexachlorobenzene	8270D	(ug/kg)	960	THE PROPERTY OF A STATE	<100U	<100U	<100U	<100U	<100U
Hexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<100U	<100U	<100U	<1000 <100U
Hexachlorocyclopentadiene	8270D	(ug/kg)	91000	national and constraints	<100U	<100U	<100U	<100U	<100U
Hexachloroethane	8270D	(ug/kg)	560		<100U	<100U	<100U	<100U	<100U
Indeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000	e Maria de Salazio de Charlande da La	<100U	<100U	<100U	190	<100U
Isophorone	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
m-Dichlorobenzene	8270D	(ug/kg)	61000		<100U	<100U	<100U	<100U	<100U
m-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<500U
Naphthalene	8270D	(ug/kg)	25000	a na stani se na sejilita a provide ti	<100U	<100U	<100U	<100U	<100U
Nitrobenzene	8270D	(ug/kg)	5100		<100U	<100U	<100U	<100U	<100U
N-Nitrosodipropylamine	8270D	(ug/kg)	37		<100U#	<100U#	<100U#	<1000 <100U#	<100U <100U#
o-Dichlorobenzene	8270D	(ug/kg)	60000		<100U	<100U	<1000#	<100U#	<100U#
o-Nitroaniline	8270D	(ug/kg)	580	~~~~ 의사 의사	<500U	<500U	<500U	<500U	<1000 <500U
o-Chloroaniline	8270D	(ug/kg)	52000	Children Albert	<100U	<100U	<100U	<100U	<300U <100U

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Print Date: 4/11/2006



Project No.: 7254-002 Page 4 of 4

EPA:Method 8270D

· 新教会会学家的公司教育

CONSTITUENT	METHOD	UŅITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE: SAMPLE DEPTH (Jbg).	03-PE-001:8 03/31/2006 8.00	03-PE-002:8 03/31/2006 8.00	03-PE-003:8 03/31/2006 8.00	03-PE-004:8 03/31/2006 8.00	03-PE-005.8 03/31/2006 8.00
p-Dichlorobenzene	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
Phenanthrene	8270D	(ug/kg)	10000000		<100U	<100U	<100U	460	220
p-Nitroaniline	8270D	(ug/kg)	580	and a former for a local books for a	<500U	<500U	<500U	<500U	<500U
Pyrene	8270D	(ug/kg)	2200000	<b>新新新新</b>	120	<100U	<100U	540	230

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Print Date: 4/11/2006



React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue, P.O. Box 5377. Ehiladelphia PA 19142 \* 654A Mount Road, Aston, PA 19014

#### ANALYTICAL CHEMISTRY REPORT

SAMPLIN	G PERIOD: 3/31/2006
MATRIX:	SOIL

#### **COOPER GRANT PROJECT** FRONT STREET, CAMDEN, NJ

Page 1 of 7

REPSG PROJECT No. 7254-002

**METHODS:** 

EPA Method 418.1 - Total Petroleum Hydrocarbons (TPH)

EPA Method 6010B - Metals and Trace Elements by ICP/Atomic Emission Spectrometry EPA Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

### APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A, 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Subsurface Soil, 2-15 Feet) Pathways: Use Aquifer, Low Dissolved Solids (<2500).

#### EPA Method 418.1 SAMPLE LOCATION: 05-PE-001:10 05-PE-002:10 05-PE-003.10 05-PE-004:10 05-PE-005:10 CONSTITUENT METHOD UNITS \*STANDARD SAMPLE DATE: 03/31/2006 03/31/2006 03/31/2006 03/31/2006 03/31/2006 SAMPLE DEPTH (ibg) 10.00 10.00 10.00 10.00 10.00 TPH 418.1 (mg/kg) 320 <50U 490 880D 460 SAMPLE LOCATION. 05-PE-001 10 05-PE-002:10 05-PE-003:10 05-PE-004:10 05-PE-005:10 CONSTITUENT METHOD UNITS SAMPLE DATE: \*STANDARD 03/31/2006 03/31/2006 03/31/2006 03/31/2006 03/31/2006 SAMPLE DEPTH (fbg) 10.00 10.00 10.00 10.00 10.00 **Total Solids** 5035 7.5 (%) 90 92.1 91.8 89.6 91.5

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Print Date: 4/12/2006



#### Project No.: 7254-002 Page 2 of 7

#### EBA Method 6010B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE SAMPLE DEPTH (Ibg).	05-PE-001 10 03/31/2006 10.00	05-PE-002.10 03/31/2006 10.00	05-PE-003 10 03/31/2006 10.00	05-PE-004:10 03/31/2006 10.00	05-PE-005:10 03/31/2006 10.00
Antimony	6010B	(mg/kg)	27		< <b>ī</b> U	<5U	<5U	<5U	<5U
Beryllium	6010B	(mg/kg)	320		<0 2U	0.26	<0.2U	0.25	0.28
Cadmium	6010B	(mg/kg)	38		<1U	<iu< td=""><td><iu< td=""><td><iu< td=""><td>-1U</td></iu<></td></iu<></td></iu<>	<iu< td=""><td><iu< td=""><td>-1U</td></iu<></td></iu<>	<iu< td=""><td>-1U</td></iu<>	-1U
Lead	6010B	(mg/kg)	. 450		.13	10	6.3	18	76
Nickel	6010B	(mg/kg)	650	CONTRACT CONCEPTION OF LESS	8.7	93	9.3	11	12
Zinc	6010B	(mg/kg)	. 12000		43	32	41	.46	86

#### EPA Method 8269B

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (1by):	05-PE-001:10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003.10 03/31/2006 10.00	05-PE-004:10 03/31/2006 10.00	05-PE-005:10 03/31/2006 10.00
1,1,1-trichloroethane	8260B	(ug/kg)	20000		<180UD	<190UD	<190UD	<190UD	<170UD
1,1,2,2-Tetrachloroethane	8260B	(ug/kg)	30		<180UD#	<190UD#	<190UD#	<190UD#	<170UD#
1,1,2-Trichloroethane	8260B	(ug/kg)	500	ere and the second states of	<180UD	<190UD	<190UD	<190UD	<1700D#
1,1-Dichloroethane	8260B	(ug/kg)	11000	all an ear a d'fhead	<180UD	<190UD	<190UD	<1900D	<170UD
1,1-Dichloroethylene	8260B	(ug/kg)	700		<180UD	<190UD	<190UD	<1900D	<1700D
1,2-Dichloroethane	8260B	(ug/kg)	500		<180UD	<190UD	<190UD	<190UD	<1700D
1,2-Dichloropropane	8260B	(ug/kg)	500	Rocassing Contractivities	<180UD	<190UD	<190UD	<1900D	<1700D
2-Hexanone	8260B	(ug/kg)	670000		<900UD	<930UD	<950UD	<930UD	<840UD
Acetone	8260B	(ug/kg)	1000000	New Street and Street and	<9000UD	<9300UD	<9500UD	<9300UD	<8400D

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### React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

#### Project No.: 7254-002 Page 3 of 7

EPA Method 8260B

CONSTITUENT	метнор	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (ibg):	05-PE-001-10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003.10 03/31/2006 10.00	05-PE-004-10 03/31/2006 10.00	05-PE-005:10 03/31/2006 10.00
Benzene	8260B	(ug/kg)	500		<90UD	NUMBER OF STREET, STREE		reder-set owint substations	
Bromodichloromethane	8260B	(ug/kg)	10000		<900D <90UD	<93UD	<95UD	<93UD	<84UD
Bromoform .	8260B	(ug/kg)	10000	ing officer of the state of the	<180UD	<93UD <190UD	<95UD	<93UD	<84UD
Carbon disulfide	8260B	(ug/kg)	410000		<1300UD		<190UD	<190UD	<170UD
Carbon tetrachloride	8260B	(ug/kg)	500	SAL SECTION AND A	<13000D <180UD	<1400UD	<1400UD	<1400UD	<1300UD
Chlorobenzene	8260B	(ug/kg)	10000		<180UD	<190UD	<190UD	<190UD	<170UD
Chloroethane	8260B	(ug/kg)	90000	an shi ya na hada daga		<190UD	<190UD	<190UD	<170UD
Chlorotorm	8260B	(ug/kg)	10000		<360UD	<370UD	<380UD	<370UD	<340UD
cis-1,2-Dichloroethylene	8260B	(ug/kg)	7000	and a set of the set of	<180UD	<190UD	<190UD	<190UD	<170UD
cis-1,3-Dichloropropene	8260B	(ug/kg)	1000		<180UD	<190UD	<190UD	<190UD	<170UD
Dibromochloromethane	8260B	(ug/kg) (ug/kg)	10000		<180UD	<190UD	<190UD	<190UD	<170UD
Ethylbenzene	8260B	(ug/kg)	70000		<180UD	<190UD	<190UD	<190UD	<170UD
Methyl bromide	8260B	(ug/kg)	1000	in an and still a life	<180UD	<190UD	<190UD	<190UD	<170UD
Methyl chloride	8260B				<270UD	<280UD	<280UD	<280UD	<250UD
Methyl ethyl ketone	8260B	(ug/kg)	300		<900UD#	<930UD#	<950UD#	<930UD#	<840UD#
Methyl isobutylketone (MIBK)	8260B	(ug/kg)	580000		<9000UD	<9300UD	<9500UD	<9300UD	<8400UD
Methyl tert-butyl ether	8260B 8260B	(ug/kg)	41000		<900UD	<930UD	<950UD	<930UD	<840UD
Methylene chloride	8260B	(ug/kg)	2000		<180UD	<190UD	<190UD	<190UD	<170UD
Styrene	8260B	(ug/kg)	500		<2700UD#	<2800UD#	<2800UD#	<2800UD#	<2500UD#
Tetrachloroethylene		(ug/kg)	24000		<180UD	<190UD	<190UD	<190UD	<170UD
Toluene	8260B	(ug/kg)	500		<90UD	<93UD	<95UD	<93UD	<84UD
	8260B	(ug/kg)	100000		<180UD	<190UD	<190UD	<190UD	· <170UD
trans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000		<180UD	<190UD	<190UD	<190UD	<170UD

Exceedences of the Regulatory Standard are Printed in Bold.

 $\frac{1}{2}$  ALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\leq$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified ta secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC)  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the eporting standard.



#### Project No.: 7254-002

Page 4 of 7

#### EPA Method 8260B

CONSTITUENT	метнод	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (ibg).	05-PE-001:10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003.10 03/31/2006 10.00	05-PE-004:10 03/31/2006 10.00	05-PE-005:10 03/31/2006 10:00
trans-1,3-Dichloropropene	8260B	(ug/kg)			<180UD	<190UD	<190UD	<190UD	<170UD
Trichloroethylene	8260B	(ug/kg)	500		<90UD	<93UD	<95UD	<93UD	<8-100D
Inchlorofluoromethane	8260B	(ug/kg)	200000		<180UD	<190UD	<190UD	<190UD	<170UD
Vinyl chloride	8260B	(ug/kg)	200		<180UD	<190UD	<190UD	<1900D	<1700D
Xylene (total)	8260B	(ug/kg)	1000000		<540UD	<560UD	<570UD	<560UD	<500UD

#### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (fbg)	05-PE-001:10 03/31/2006 10.00	05-PE-002.10 03/31/2006 10.00	05-PE-003:10 03/31/2006 10.00	05-PE-004:10 03/31/2006 10.00	05-PE-005:10 03/31/2006 10.00
1,2,4-Trichlorobenzene	8270D	(ug/kg)	27000	te de strand	<100U	<100U	<500UD	<500UD	<500UD
2.4-Dinitrotoluene	8270D	(ug/kg)	840	and and the of the stream	<100U	<100U	<500UD	<500UD	<500UD
2,6-Dinitrotoluene	8270D	(ug/kg)	10000		<100U	<100U	<500UD	<500UD	<500UD
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<100U	<500UD	<500UD	<500UD
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<100U	<500UD	<500UD	<500UD
3,3-Dichlorobenzidine	8270D	(ug/kg)	32000		<500U	<500U	<2500UD	<2500UD	<2500UD
I-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<500UD	<500UD	<500UD
I-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000	HAT A DO MILINES READINGS	<100U	<100U	<500UD	<500UD	<500UD
Acenaphthene	8270D	(ug/kg)	4700000		<100U	<100U	<500UD	<500UD	<500UD
Acenaphthylene	8270D	(ug/kg)	6900000		<100U	<100U	<500UD	<500UD	<500UD
Aniline	8270D	(ug/kg)	580		<100U	<100U	<500UD	<500UD	<500UD

Exceedences of the Regulatory Standard are Printed in Bold.

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{J} = Estimated Value. \leq = Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified ta secondary dilution factor. \underline{B} = Analyte reported in associated field or trip blank. N - Tentativley Identified Compound (TIC). Y- Tentativley Identified Compound (TIC) also identified in Method Blank. <u>#</u> - PQL exceeds the eporting standard.$ 



React Environmental Professional Services Group, Inc. «ANALYTICAL CHEMISTRY REPORT

Project No.: 7254-002 Page 5 of 7

#### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (ibg):	05-PE-001:10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003.10 03/31/2006	05-PE-004:10 03/31/2006	05-PE-005:10 03/31/2006
			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	AND INCOMENDATION OF THE OWNER OF	10.00	10.00	10.00	10.00	10.00
Anthracene	8270D	(ug/kg)	350000		<100U	<100U	<500UD	<500UD	<500UI
Benzo(a)anthracene	8270D	(ug/kg)	320000	· 论立"显动"	<100U	<100U	<500UD	<500UD	<500UI
Benzo(a)pyrene	8270D	(ug/kg)	46000		<100U	<100U	<500UD	<500UD	<5001
Benzo(b)fluoranthene	8270D	(ug/kg)	170000		<100U	<100U	<500UD	<500UD	6901
Benzo(ghi)perylene	8270D	(ug/kg)	180000		<100U	<100U	<500UD	<500UD	<500UI
Benzo(k)fluoranthene	8270D	(ug/kg)	610000		<100U	<100U	<500UD	<500UD	<500UI
Benzyl alcohol	8270D	(ug/kg)	3100000	november and the state of the s	<100U	<100U	<500UD	<500UD	<500UI
Bis(2-chloroethoxy)methane	8270D	(ug/kg)	670000	<b>新教員</b> 新史記》	<100U	<100U	<500UD	<500UD	<500UI
Bis(2-chloroethyl)ether	8270D	(ug/kg)	55	in a start of the	<100U#	<100U#	<500UD#	<500UD#	<500UD
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)			<100U	<100U	<500UD	<500UD	<500UI
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000		<330U	<330U	<1600UD	<1600UD	<1600UI
Butylbenzylphthalate	8270D	(ug/kg)	10000000		<100U	<100U	<500UD	<500UD	<500UI
Chrysene	8270D	(ug/kg)	230000	and the second	<100U	<100U	<500UD	<500UD	<500UI
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000		<100U	<100U	<500UD	<500UD	<500UI
Dibenzofuran	8270D	(ug/kg)	670000	WHEN TO PROVE THE REAL ROOM	<100U	<100U	<500UD	<500UD	<500UI
Diethyl phthalate	8270D	(ug/kg)	500000		<100U	<100U	<500UD	<500UD	<500UI
Dimethyl phthalate	8270D	(ug/kg)	670000	CAN COMPANY OF A VERY AND	<100U	<100U	<500UD	<500UD	<500UE
Di-n-butyl phthalate	8270D	(ug/kg)	4100000		<330U	<330U	<1600UD	<1600UD	<1600UI
Di-n-octyl phthalåte	8270D	(ug/kg)	10000000		<100U	<100U	<500UD	<500UD	<500UL
Diphenytamine	8270D	(ug/kg)	20000		<100U	<100U	<500UD	<500UD	<500UL
luoranthene	8270D	(ug/kg)	3200000		<100U	<100U	<500UD	530D	<5000E
luorene	8270D	(ug/kg)	3800000		<100U	<100U	<500UD	<500UD	<500UD

Exceedences of the Regulatory Standard are Printed in Bold.

12

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{J} = Estimated Value. \leq = Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified it a secondary dilution factor. \underline{B} = Analyte reported in associated field or trip blank. <u>N</u> - Tentativley Identified Compound (TIC). <u>Y</u>- Tentativley Identified Compound (TIC) also identified in Method Blank. <u>#</u> - PQL exceeds the$ eporting standard.

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Project No.: 7254-002 Page 6 of 7

#### ERA/Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (fbg).	05-PE-001:10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003:10 03/31/2006 10.00	05-PE-004.10 03/31/2006 10.00	05-PE-00510 03/31/2006 10.00
Hexachlorobenzene	8270D	(ug/kg)	960		<100U	<100U	<500UD	<500UD	<500UD
Hexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<100U	<500UD	<500UD	<500UD
Hexachlorocyclopentadiene	8270D	(ug/kg)	91000		<100U	<100U	<500UD	<500UD	<500UD
Hexachloroethane	8270D	(ug/kg)	560		<100U	<100U	<500UD	<500UD	<500UD
Indeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000		<100U	<100U	<500UD	<500UD	<500UD
Isophorone 7	8270D	(ug/kg)	10000		<100U	<100U	<500UD	<500UD	<500UD
m-Dichlorobenzene	8270D	(ug/kg)	61000		<100U	<100U	<500UD	<500UD	<500UD
m-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<2500UD#	<2500UD#	<2500UD#
Naphthalene	8270D	(ug/kg)	25000	and a second state of the second	<100U	<100U	<500UD	<500UD	<500UD
Nîtrobenzene	8270D	(ug/kg)	5100		<100U	<100U	<500UD	<500UD	<500UD
N-Nitrosodipropylamine	8270D	(ug/kg)	37	and a start of the start in the start	<100U#	<100U#	<500UD#	<500UD#	<500UD#
o-Dichlorobenzene	8270D	(ug/kg)	60000		<100U	<100U	<500UD	<500UD	<5000D#
o-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<2500UD#	<2500UD#	<2500UD#
p-Chloroaniline	8270D	(ug/kg)	52000		<100U	<100U	<500UD	<500UD	<500UD
p-Dichlorobenzene	8270D	(ug/kg)	10000	een terreter en en skrigere	<100U	<100U	<500UD	<500UD	<500UD
Phenanthrene	8270D	(ug/kg)	10000000		<100U	<100U	<500UD	870D	<500UD
p-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<2500UD#	<2500UD#	<2500UD#
Pyrene	8270D	(ug/kg)	2200000	<b>读</b> 《正式》。	<100U	<100U	<500UD	620D	-25000D# 660D

Exceedences of the Regulatory Standard are Primed in Bold.

 $\underline{U}$  ALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\leq$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified t a secondary dilution factor  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the eporting standard.



#### Project No.:7254-002

Page 7 of 7

NSTITUENT	METHOD	UNITS	*STANDA <b>RD</b>	SAMPLE LOCATION: SAMPLE DATE SAMPLE DEPTH ((bg).	05-PE-001:10 03/31/2006 10.00	05-PE-002:10 03/31/2006 10.00	05-PE-003.10 03/31/2006 10.00	05-PE-004:10 03/31/2006 10.00	05-PE-005-10 03/31/2006 10.00
nol	9065	(mg/kg)	-400		<0.7U	<0.684U	107D	<0.703U	<0.6891

Exceedences of the Regulatory Standard are Primed in Bold.

 $\underline{U}$  a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the eporting standard.

Print Date: 4/12/2006



# React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue, P.O. Box 5377, Philadelphia, PA 19142 654A Mount Road, Aston, PA 19014

#### ANALYTICAL CHEMISTRY REPORT

SAMPLING PERIOD: 3/31/2006 MATRIX: SOIL

#### **METHODS:**

EPA Method 418.1 - Total Petroleum Hydrocarbons (TPH)

EPA Method 6010B - Metals and Trace Elements by ICP/Atomic Emission Spectrometry EPA Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

#### APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A, 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Subsurface Soil, 2-15 Feet) Pathways: Use Aquifer, Low Dissolved Solids (<2500).

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (10y)	06-PE-001.6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003 6 03/31/2006 6 00	06-PE-004.6 03/31/2006 6.00	06-PE-005-6 03/31/2006 6.00
ГРН	418.1	(mg/kg)			73	160	210	240	<50L
ONSITTUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (105)	0o-PE-00o.6 03/31/2006 6.00	06-PE-007:6 03/3 1/2006 6.00	06-PE-008:6 03/31/2006 6.00	06-PE-009:6 03/31/2006 6,00	06-PE-010 6 03/31/2006 6.00
РН	418.1	(mg/kg)			<\$0U	150	92	<50U	<50L

#### Exceedences of the Regulatory Standard are Printed in Bold.

UALIFIERS: U = Constituent not detected above Practical Quantitation Limit (PQL). J = Estimated Value = Indicates that the reported concentration is the Practical Quantitation Limit (PQL). D = Compound identified at a secondary lilution factor. <u>B</u> = Analyte reported in associated field or trip blank. <u>N</u> - Tentativley Identified Compound (TIC). <u>Y</u>- Tentativley Identified Compound (TIC) also identified in Method Blank. <u>#</u> - PQL exceeds the reporting standard.

#### 'rint Date: 4/13/2006

Page 1 of 12

#### **COOPER GRANT PROJECT** FRONT STREET, CAMDEN, NJ

REPSG PROJECT No. 7254-002



#### Project No.:7254-002 Page 2 of 12

NSTITUENT .	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (fbg)	06-PE-001.6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003:6 03/31/2006 6.00	06-PE-004:6 03/31/2006 6.00	06-PE-005:6 03/31/2006 6 00
tal Solids	5035 7 5	(%)			91.9	90.5	89.8	90.6	90.5
NSTITUENT	MLTHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Dg):	06-PE-006 6 03/31/2006 6.00	06-PE-007:6 03/31/2006 6.00	06-PE-008:6 03/31/2006 6.00	06-PE-009:6 03/31/2006 6.00	06-PE-010.6 03/31/2006 6.00

### EPA Method 6010B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH ((bg):	06-PE-001.6 03/31/2006 6.00	06-PE-002.6 03/31/2006 6.00	06-PE-003:6 03/31/2006 6.00	06-PE-004.6 03/31/2006 6.00	06-PE-005.6 03/31/2006 6.00
Antimouy	6010B	(mg/kg)	27		7.75	10 2	65.6	7.65	9.23
Beryllium	6010B	(ing/kg)	320		0.55	0.38	0.47	0.4	0.23
Cadmium	6010B	(mg/kg)	38	NUT CONTRACTOR	<1U	<1U	<1U	<1U	<1U
lead	6010B	(mg/kg)	450		59	690	3600	520	790
lickel	6010B	(mg/kg)	650	the second second	15	10	9.8	9.3	8.8
Linc	6010B	(mg/kg)	12000	te sa su dage.	56	150	120	130	140
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE, SAMPLE DEPTH (16g)	06-PE-006 6 03/31/2006 6.00	06-PE-007:6 03/31/2006 6.00	06-PE-008.6 03/31/2006 6.00	06-PE-009;6 03/31/2006 6.00	06-PE-010-6 03/31/2006 6.00

Exceedences of the Regulatory Standard are Printed in Bold.



#### React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

#### Project No.:7254-002 Page 3 of 12

EPA:Method 6010B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE. SAMPLE DEPTH (Rgi	06-PE-006.6 03/31/2006 6.00	06-PE-007.6 03/31/2006 6 00	06-PE-008.6 03/31/2006 6.00	06-PE-009:6 03/31/2006 6.00	06-PE-010.6 03/31/2006 6.00
Animony	6010B	(mg/kg)	. 27		<5U	10.7	<5U	<5U	<5U
Beryllium	6010B	(mg/kg)	320		0.36	0.26	0.23	0.46	0.39
Cadmium	6010B	(mg/kg)	38		<1U	<1U	<1U	<1U	<1U
Lead	6010B	(mg kg)	- 450		<5U	1000	54	32	27
Nickel	6010B	(mg/kg)	650		9.4	7.6	8.1	12	9.9
Zinc	6010B	(ing kg)	12000		27	320	74	52	38

EPA Method 8260B

ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (10g):	06-PE-001:6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003.6 03/31/2006 6.00	06-PE-004:6 03/31/2006 6.00	06-PE-005:6 03/31/2006 6.00
.1.1-irichloroethane	8260B	(ug/kg)	20000		<170UD	<180UD	<180UD	<190UD	<180UD
1,2,2-Tetrachloroethane	8260B	(ug.kg)	30		<170UD#	<180UD#	<180UD#	<190UD#	<180UD#
,1.2-Trichloroethane	8260B	(ug/kg)	500		<170UD	<180UD	<180UD	<190UD	<180UD
1-Dichloroethane	8260B	(ug/kg)	11000		<170UD	<180UD	<180UD	<190UD	<180UD
1-Dichloroethylene	8260B	(ug/kg)	700		<170UD	<180UD	<180UD	<190UD	<180UD
2-Dichloroethane	8260B	(ug/kg)	500		<170UD	<180UD	<180UD	<190UD	<180UD
2-Dichloropropane	8260B	(ug/kg)	300		<170UD	<180UD	<180UD	<190UD	<180UD
-Hexanone	8260B	(ug/kg)	670000		<830UD	<890UD	<900UD	<950UD	<890UD
cetone	8260B	(ug/kg)	1000000		<8300UD	<8900UD	<9000UD	<9500UD	<8900UD
enzene	8260B	(ug.kg)	500		<83UD	<89UD	<90UD	<95UD	<89UD

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{=}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



#### React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

11

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#### Project No.: 7254-002 Page 4 of 12

EPA Method 8260B

CONSTITUENT	METHOD	UNITS .	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (fbg)	06-PE-001.6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003.6 03/31/2006 6.00	06-PE-004:6 03/31/2006 6.00	06-PE-005:6 03/31/2006 6.00
Bromodichloromethane	8260B	(ug/kg)	10000		~83UD	<89UD	<90UD	<95UD	<89UD
Bromoform	8260B	(ug kg)	10000	Sector States	<170UD	<180UD	<180UD	<190UD	<890D <180UD
Carbon disulfide	8260B	(ug/kg)	410000		<1200UD	<1300UD	<1300UD	<1400UD	<1300D
Carbon tetrachloride	8260B	(ug kg)	500		<170UD	<180UD	<180UD	<14000D	<13000D
Chloropenzene	8260B	(ug/kg)	10000		<170UD	<180UD	<1800D	<1900D	<180UD
Chloroethane	8260B	(ug/kg)	90000		<330UD	<360UD	<360UD	<1900D <380UD	<160UL
Chloroform	8260B	(ug.kg)	10000		<170UD	<180UD	<180UD	<190UD	<3800L <180UD
cis-1,2,Dichloroethylene	8260B	(ug/kg)	7080		<170UD	<180UD	<180UD	<190UD	<180UL
cis-1,3-Dichloropropene	8260B	(ug/kg)	Sec. 0.003502542.011	erna zrito e sunističitiše s	<170UD	<180UD	<180UD	<190UD	<180UD
Dibromochloromethane	8260B	(ug/kg)	10000		<170UD	<180UD	<1800D	<1900D	<1800D
Ethylbenzene	8260B	(ug/kg)	70000	erer ar stat visse sittlertings ()	<170UD	<180UD	<180UD	<190UD	<1800D
Methyl bromide	\$260B	(ug/kg)	1000		<250UD	<270UD	<270UD	<280UD	<1000D
Methyl chloride	8260B	(ug/kg)	300		<830UD#	<890UD#	<900UD#	<950UD#	<890UD#
Methyl ethyl ketone	8260B	(ug/kg)	580000		<8300UD	<8900UD	<9000UD	<9500D#	<8900UD
Methyl isobutylkeione (MIBK)	8260B	(ug/kg)	41000		<830UD	<890UD	<900UD	<950UD	<890UD
Methyl tert-butyl ether	8260B	(ug/kg)	2000		<170UD	<180UD	<180UD	<190UD	<180UD
Methylene chloride	8260B	(ug/kg)	500		<2500UD#	<2700UD#	<2700UD#	<2800UD#	<2700UD#
Styrene	8260B	(ug/kg)	24000		<170UD	<180UD	<180UD	<190UD	<180UD
Fetrachloroethylene	8260B	(ug/kg)	500	Receipts from a second s	<83UD	170D	140D	130D	520D
Foluene	8260B	(ug/kg)	100000		<170UD	<180UD	<180UD	<190UD	<180UD
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000		<170UD	<180UD	<180UD	<190UD	<180UD
trans-1,3-Dichloropropene	8260B	(ug/kg)			<170UD	<180UD	<180UD	<1900D	<180UD

Exceedences of the Regulatory Standard are Printed in Bold.

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{J} = Estimated Value. \_= Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified as a secondary lilution factor. \underline{B} = Analyte reported in associated field or trip blank. N - Tentatively Identified Compound (TIC). Y- Tentatively Identified Compound (TIC) also identified in Method Blank. # - PQL exceeds the reporting standard.$ 



#### Project No.:7254-002 Page 5 of 12

EPA Method 8269B					as the last	<u> In a la sectione de /u>			and the la
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Bg)	06-PE-001:6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003:6 03/31/2006 6.00	06-PE-004:6 03/31/2006 6.00	06-PE-005:6 03/31/2006 6.00
Trichloroeihylene	8260B	(ug/kg)	500		<83UD	<89UD	120D	<95UD	3100
Trichlorofluoromethane	8260B	(ug/kg)	200000		<170UD	<180UD	<180UD	<190UD	<180UD
Vinyl chloride	8260B	(ug/kg)	200		<170UD	<180UD	<180UD	<1900D	<180UL
Xylene (total)	8260B	(ug/kg)	1000000		<500UD	<530UD	<540UD	<570UD	<530UD
									0000
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (Au).	06-PE-006:6 03/31/2006	06-PE-007:6 03/31/2006	06-PE-008:6 03/31/2006	06-PE-009:6 03/31/2006	06-PE-010:6 03/31/2006
anganaa ah taaliina ta'ilaa			- The section of the section of the	and the bel minings.	6.00	6.00	.6 00	6.00	6.00
,1,1-irichloroethane	8260B	(ug/kg)	20000		<170UD	<190UD	<180UD	<170UD	<200UD
1,1,2,2-Tetrachloroethane	8260B	(ug/kg)	30		<170UD#	<190UD#	<180UD#	<170UD#	<200UD#
.1.2-Trichloroethane	8260B	(ug/kg)	500		<170UD	<190UD	<180UD	<170UD	<200UD
,1-Dichloroethaue	8260B	(ug/kg)	11000	2. 小田 記録	<170UD	<190UD	<180UD	<170UD	<200UE
.1-Dichloroethylene	8260B	(ug/kg)	700		<170UD	<190UD	<180UD	<170UD	<200UD
.2-Dichloroethane	8260B	(ug/kg)	500		<170UD	<190UD	<180UD	<170UD	<200UD
.2-Dichloropropane	8260B	(ug/kg)	500		<170UD	<190UD	<180UD	<170UD	<200UD
2-Hexanone	8260B	(ug/kg)	670000		<850UD	<970UD	<910UD	<870UD	<990UD
Acetone	8260B	(ug/kg)	1000000		<8500UD	<9700UD	<9100UD	<8700UD	<9900UD
Benzene	8260B	(ug/kg)	500		<83UD	<97UD	<91UD	<87UD	<99UD
Bromodichloromethane	8260B	(ug/kg)	10000		<85UD	<97UD	<91UD	<87UD	<99UD
Bromoform	8260B	(ug/kg)	10000		<170UD	<190UD	<180UD	<170UD	<200UD
Carbon disulfide	8260B	(ug/kg)	410000		<1300UD	<1500UD	<1400UD	<1300UD	<1500UD
Carbon tetrachloride	\$260B	(ug/kg)	500		<170UD	<190UD	<180UD	<170UD	<200UD

Exceedences of the Regulatory Standard are Printed in Bold.

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{J} = Estimated Value. \_ = Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified at a secondary illution factor. \underline{B} = Analyte reported in associated field or trip blank. \underline{N} - Tentativley Identified Compound (TIC). \underline{Y} - Tentativley Identified Compound (TIC) also identified in Method Blank. \underline{H} - PQL exceeds the reporting standard.$ 



## React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

Project No.:7254-002 Page 6 of 12

#### EPA Method 8260B

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE SAMPLE DEPTH (Dg1	06-PE-006:6 03/31/2006 6.00	06-PE-007:6 03/31/2006 6.00	06-PE-008.6 03/31/2006 6.00	06-PE-009:6 03/3 1/2006 6.00	06-PE-010:6 03/31/2006 6.00
Chlorobenzene	8260B	1. A. S.						0.00	0.00
Chloroethane		(ug/kg)	10000		<170UD	<190UD	<180UD	<170UD	<200UD
TOPACEMENTS I TAKE ST LETT	8260B	(ug.kg)	90000	德国马马拉德法国	<340UD	<390UD	<370UD	<350UD	<400UD
Chloroform	8260B	(ug/kg)	10000		<170UD	<190UD	<180UD	<170UD	<200UD
cis-1.2-Dichloroethy lene	8260B	(ug/kg)	7000	신 값 요. 관습	<170UD	<190UD	<180UD	<170UD	<200UD
cis-1,3-Dichloropropene	8260B	(ug/kg)			<170UD	<190UD	<180UD	<170UD	<200UD
Dibrontochloromethane	8260B	(ugʻkg)	10000		<170UD	<190UD	<180UD	<170UD	<200UD
Ethylbenzene	8260B	(ug/kg)	70000		<170UD	<190UD	<180UD	<170UD	<200UD
Methyl bromide	8260B	(ug.kg)	1000		<250UD	<290UD	<270UD	<260UD	<300UD
Methyl chloride	8260B	(ug/kg)	300		<850UD#	<970UD#	<910UD#	<870UD#	<990UD#
Methyl ethyl ketone	8260B	(ug/kg)	580000	游社会创建的	~8300UD	<9700UD	<9100UD	<8700UD	<9900UD
Methyl isobutylketone (MIBK)	8260B	(ug/kg)	41000		<850UD	<970UD	<910UD	<870UD	<990UD
Methyl tert-butyl ether	8260B	(ug/kg)	2000		<170UD	<190UD	<180UD	<170UD	<200UD
Methylene chloride	8260B	(ug/kg)	· 300		<2500UD#	<2900UD#	<2700UD#	<2600UD#	<3000UD#
Styrene	8260B	(ug/kg)	24000		<170UD	<190UD	<180UD	<170UD	<200UD
Teirachloroethylene	8260B	(ug kg)	500		<85UD	<97UD	<91UD	<87UD	<99UD
Toluene	8260B	(ug/kg)	100000		<170UD	<190UD	<180UD	<170UD	<200UD
trans-1,2-Di-chloroethylene	8260B	(ug/kg)	10000	And the second	<170UD	<190UD	<180UD	<1700D	<200UD
trains-1,3-Dichloropropene	8260B	(ug/kg)			<170UD	<190UD	<180UD	<1700D	<2000D
Trichloroethylene	. 8260B	(ug/kg)	500		<85UD	<97UD	<91UD	<1700D <87UD	<2000D
Trichlorotluoromethane	8260B	(ug/kg)	200000		<170UD	<190UD	<180UD	<170UD	
Vinyl chloride	8260B	(ug/kg)	200		<1700D	<1900D	The second second second second	SALA STATISTICS AND	<200UD
Xylene (total)	8260B	(ug/kg)	1000000		<510UD	<1900D	<180UD <550UD	<170UD <520UD	<200UD <600UD
			A COLORADOR	menoral contraction of the second		THE THEORY OF THE	own a need to the other of the training of the	AND REAL POINT IN ST	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Exceedences of the Regulatory Standard are Printed in Bold.

 $UALIFIERS: \underline{U} = Constituent not detected above Practical Quantitation Limit (PQL). \underline{J} = Estimated Value. \_= Indicates that the reported concentration is the Practical Quantitation Limit (PQL). \underline{D} = Compound identified at a secondary liketion factor. \underline{B} = Analyte reported in associated field or trip blank. \underline{N} - Tentativley Identified Compound (TIC). \underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank. <u>#</u> - PQL exceeds the reporting standard.



				SAMPLELOCATION				일 첫 말 것 같은 것 이 같은 것 같이 같은 것	
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION	06-PE-001 6	06-PE-002:6	06-PE-003;6	06-PE-004:6	06-PE-005:6
		entis	STAIDARD	SAMPLE DEPTH (ibg):	03/31/2006 6.00	03/31/2006	03/31/2006	03/31/2006	03/31/2006
			CLERINGRAPHIC - DIL	Statistics and the	0.00	6.00	6.00	6.00	6.00
1.2.4-Trichlorobenzene	8270D	(ug/kg)	27000		<100U	<100U	<100U	<100U	<1000
2.4-Dinitrotoluene	8270D	(ug/kg)	840		<100U	<100U	<100U	<100U	<1000
2,6-Dinitrotoluene	8270D	(ug/kg)	10000	and the second	<100U	<100U	<100U	<100U	<100U
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<100U	<100U	<100U	<1000
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<100U	<100U	<100U	<100U
3,3-Dichlorobenzidine	8270D	(ug/kg)	32000		<3000	<500U	<500U	<500U	<5000
4-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
4-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
Acenaphthene	8270D	(ug/kg)	4700000		<100U	<100U	<100U	<100U	<1000
Acenuphthylene	8270D	(ug/kg)	6900000		<100U	120	<100U	110	<1000
Aniline	8270D	(ug/kg)	580	or a start of the second start and the	<100U	<100U	<100U	<100U	<1000
Anthracene	8270D	(ug/kg)	350000		<100U	260	110	270	<100U
Benzo(a)anthracene	8270D	(ug/kg)	320000	And the construction of the second	170	910	350	820	440
Benzo(a)pyrene	8270D	(ug.kg)	46000		190	910	380	830	470
Benzo(b)fluorantliene	8270D	(ug/kg)	170000		230	1300	500	1100	610
Benzorghi)perylene	8270D	(ug/kg)	180000	S March Station	120	610	270	540	310
Benzo(k)fluoranthene	8270D	(ug/kg)	610000	en e	<100U	350	180	380	220
Benzyl alcohol	8270D	(ug/kg)	3100000		<100U	<100U	<100U	<100U	<100U
Bis(2-chloroethoxy)methane	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
Bis(2-chloroethyl)ether	8270D	(ug/kg)	55		<100U#	<100U#	<100U#	<1000#	<1000
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)	111 11 11 11 11 11 11 11 11 11 11 11 11	NAME OF A SPECIAL SPEC	<100U	<100U	<100U	<100U#	<1000×

Exceedences of the Regulatory Standard are Printed in Bold.

 $\underline{U} = Constituent not detected above Practical Quantitation Limit (PQL).$   $\underline{J} = Estimated Value = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).$   $\underline{D} = Compound identified at a secondary illution factor.$   $\underline{B} = Analyte reported in associated field or trip blank.$   $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$  - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



#### Project No.:7254-002 Page 8 of 12

#### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Dat)	06-PE-001:6 03/31/2006	06-PE-002:6 03/31/2006	06-PE-003:6 03/31/2006	06-PE-004:6 03/31/2006	06-PE-005:6 03/31/2006
				and the second statement of the	6.00	6.00	6.00	6.00	6.00
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000		<330U	<330U	<330U	<330U	<330L
Butylbenzylphthalate	8270D	(ug kg)	10000000		<100U	.<100U	<100U	<100U	<1001
Chrysene	8270D	(ug/kg)	230000		180	. 910	380	770	460
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000	is in Anti-	<100U	170	<100U	150	400 <100L
Dibenzoturan	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
Diethyl phthalate	8270D	(ug kg)	500000		<100U	<100U	<100U	<1000 <100U	<1000
Dimethyl phthalaie	8270D	(ug/kg)	670000	and the second state	<100U	<100U	<1000	<100U	<1000
Di-n-butyl phthalate	8270D	(ug kg)	+100000		<330U	<330U	<330U	<330U	<3301
Di-n-octyl phthalate	8270D	(ug kg)	10000000	and the second second second	<100U	<100U	<100U	<100U	<1000
Diphenylamine	8270D	(ug/kg)	20000		<100U	<100U	<100U	<100U	<1000
Fluoranthene	8270D	(ug/kg)	3200000	erente de la deservation de la constitución de la constitución de la constitución de la constitución de la cons	320	1800	780	1900	850
luorene	8270D	(ug kg)	3800000		<100U	<100U	<100U	<100	<100L
Hexachlorobenzene	8270D	(ug/kg)	960	and a survey of the state of the second s	<100U	<100U	<100U	<100 <100U	<1000
Hexachlorobinadiene	8270D	(ug/kg)	1200		<100U	<100U	<100U	<100U	<1000
lexachlorocyclopentadiene	8270D	(ug/kg)	91000	15% - 17 11 - 51(Back2323)	<100U	<100U	<100U	<1000 <100U	<1000
fexachloroetliane	8270D	(ug/kg)	560		<100U	<100U	<100U	<1000 <100U	<1000
ndetto(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000		130	670	300	600	330
sophorone	8270D	(ug/kg)	10000		<100U	<100U	<100Ŭ	<100U	-100U
n-Dichlorobenzene	8270D	(ug/kg)	61000	os esta esta da la Minur (1964) i	<100U	<100U	<100D	<1000 <100U	<1000
1-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<1000 <500U
laphthalene	8270D	(ug/kg)	25000		<100U	<100U	<100U	<100U	<100U
litrobenzene	8270D	(ug/kg)	5100		<100U	<100U	<1000 <100U	<1000	<100U <100U

Exceedences of the Regulatory Standard are Printed int Bold.

2UALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{=}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary fultring factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank:  $\underline{\#}$  - PQL exceeds the reporting standard.



#### Project No.: 7254-002 Page 9 of 12

#### EPA, Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (By)	06-PE-001.6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003:6 03/31/2006 6.00	06-PE-004.6 03/31/2006 <sup></sup> 6.00	06-PE-005:6 03/31/2006 6 00
N-Nitrosodipropylamme	8270D	(ug/kg)	37		<100U#	<100U#		a second a second de secondad	
o-Dichlorobenzene	8270D	(ug/kg)	60000				<100U#	<100U#	<100U#
o-Nitroaniline	8270D	(ug/kg)	580	San Alexandra San Digita San Di	<100U	<100U	<100U	<100U	<100L
p-Chloroaniline	8270D	(ug/kg)	52000		<500U	<500U	<500U	<500U	<300L
p-Dichlorobenzene	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<1000
Phenauthrene	8270D	(ug kg)	1000000		<100U	<100U	<100U	<100U	<1000
p-Niiroaniline	8270D	CL CR DRAW			270	1100	470	1100	470
Pyrene		(ug/kg)	580		<500U	<500U	<500U	<500U	<5000
, jrene	8270D	(ug/kg)	2200000		310	1400	550	1200	670
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE:	06-PE-006:6 03/31/2006	06-PE-007:6 03/31/2006	06-PE-008:6 03/31/2006	06-PE-009:6 03/3 1/2006	06-PE-010 6 03/31/2006
	olisis (Net Mesel II)		<b>在北京的建設的時間的</b>	SAMPLE DEPTH (fbg):	6.00	6.00	6.00	6.00	6.00
.2,4-Trichlorobenzene	8270D	(ug/kg)	27000		<100U	<100U	<100U	<100U	<100U
4-Dinitrotoluene	8270D	(ug/kg)	840		<100U	<100U	<100U	<100U	<100U
2,6-Dinitrotoluene	8270D	(ug/kg)	10000	Photo Photos Constanting Congregation	<100U	<100U	<100U	<100U	<100U <100U
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<100U	<100U	<100U	<1000 <100U	
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<100U	<100U	120		<100U
3-Dichlorobenzidine	8270D	(ug/kg)	32000		<\$00U	<500U	<300U	<100U	<100U
-Bromophenyl phenyl ether	8270D	(ug kg)	670000		<100U	<100U		<500U	<500U
-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<100U		<100U	<100U	<100U
Acenaphthene	8270D	(ug/kg)	4700000		Distance in	<100U	<100U	<100U	<100U
Acenaphthylene	8270D	(ug/kg)	6900000		<100U	<100U	140	<100U	<100U

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Project No.: 7254-002 Page 10 of 12

EPA Method 8270D								Sale and the	
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (65)	06-PE-006:6 03/31/2006 6.00	06-PE-007:6 03/31/2006 6.00	06-PE-008:6 03/31/2006 6 00	06-PE-009:6 03/31/2006 6.00	06-PE-010:6 03/31/2006 6.00
Aniline	8270D	(ug/kg)	580		<100U	<100U	<100U	<100U	<100U
Anthracene	8270D	(ug'kg)	350000		<100U	180	450	<100U	<100U
Benzo(a)anthracene	8270D	(ug/kg)	320000	ar anchi na shi a shika amiya	<100U	440	1700	<100U	<100U
Benzo(a)pyrene	8270D	(ug.kg)	46000		<100U	400	1500	<1000 <100U	<100U
Benzo(b)fluoranthene	8270D	(ug/kg)	170000		<100U	510	1800	<1000	<100U
Benzo(ghi)perylene	8270D	(ug kg)	180000		<100U	220	730	<100U	<100U
Benzo(k)fluoranthene	8270D	(ug.kg)	610000		<100U	180	500	<1000	<100U
Benzyl alcohol	8270D	(ug.kg)	3100000		<100U	<100U	<100U	<1000	<100U
Bis(2-chloroethoxy)methane	8270D	(ug/kg)	6-0000		<100U	<100U	<100U	<100U	<100U
Bis(2-chloroethyl)ether	8270D	(ug/kg)	55		<100U#	<100U#	<100U#	<1000#	<100U#
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)	er ombalden engelse også ge	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	<100U	<100U	<100U	<100U	<1000# <100U
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	130000	戦いたというない。	<330U	<330U	<330U	<330U	<330U
Butylbenzylphthalate	8270D	(ug/kg)	. 10000000	NAMES OF A DESCRIPTION OF A	<100U	<100U	<100U	<100U	<100U
Chrysene	8270D	(ug/kg)	. 230000		<100U	430	1700	<100U	<100U
Dibenzo(a,h)anthracene	8270D	(ug/kg)	160000		<100U	<100U	240	<100U	<100U
Dibenzofuran	8270D	(ug/kg)	670000		<100U	<100U	140	<100U	<100U
Diethyl phthalate	8270D	(ug/kg)	. 500000		<100U	<100U	<100U	<100U	<100U
Dimethyl phthalate	8270D	(ug/kg)	670000		<100U	<100U	<100U	<100U	<1000
Di-n-butyl phthalate	8270D	(ug kg)	+100000		<330U	<330U	<330U	<330U	<330U
Di-n-octy I phthalate	8270D	(ug/kg)	10000000		~100U	<100U	<100U	<100U	<100U
Diphenylamine	8270D	(ug/kg)	20000		<100U	<100U	<100U	<1000	<100U
Fluoranihene	8270D	(ug/kg)	3200000		<100U	840	2100	140	<100U

Exceedences of the Regulatory Standard are Printed in Bold.

UALIFIERS: <u>U</u> = Constituent not detected above Practical Quantitation Limit (PQL). <u>J</u> = Estimated Value. <u>=</u> Indicates that the reported concentration is the Practical Quantitation Limit (PQL). <u>D</u> = Compound identified at a secondary lilution factor. <u>B</u> = Analyte reported in associated field or trip blank. <u>N</u> - Tentativley Identified Compound (TIC). <u>Y</u> - Tentativley Identified Compound (TIC) also identified in Method Blank. <u>#</u> - PQL exceeds the reporting standard.



React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

Project No.:7254-002 Page 11 of 12

#### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (ibg)	06-PE-006.6 03.31/2006 6.00	06-PE-007:6 03/31/2006 6.00	06-PE-008:6 03.31/2006 6 00	06-PE-009:6 03/31/2006 6.00	06-PE-010:6 03/31/2006 6.00
Fluorene	8270D	(ug/kg)	3800000		<100U	<100U	250	<100U	<100U
Hexachlorobenzene	8270D	(ug kg)	960		<100U	<100U	<100U	<100U	<1000
Hexachlorobutadiene	8270D	(ug/kg)	1200		<100U	<100U	<100U	<100U	<100U
Hexachlorocyclopentadiene	8270D	(ug/kg)	91000		<100U	<100U	<100U	<100U	<100U
Hexachloroethane	8270D	(ug/kg)	560		<100U	<100U	<100U	<100U	<100U
Indeno(1,2,3-cd)pyrene	8270D	(ug/kg)	28000000		<100U	250	800	<100U	<100U
Isophorone	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
m-Dichlorobenzene	8270D	(ug/kg)	61000		<100U	<100U	<100U	<100U	<100U
m-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<500U
Naphthalene	8270D	(ug/kg)	25000		<100U	<100U	260	<100U	<100U
Nirrobenzene	8270D	(ug/kg)	5100		<100U	<100U	<100U	<100U	<100U
N-Nitrosodipropylainine	8270D	(ug/kg)	37		<100∪#	<100U#	<100U#	<100U#	<100U#
o-Dichlorobenzene	8270D	(ug/kg)	60000		<100U	<100U	<100U	<100U	<100U
o-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<500U
p-Chloroaniline	8270D	(ug/kg)	52000		<100U	<100U	<100U	<100U	<100U
p-Dichlorobenzene	8270D	(ug/kg)	10000		<100U	<100U	<100U	<100U	<100U
Phenanthrene	8270D	(ug/kg)	10000000		<100U	960	2200	<100U	<100U
p-Nitroaniline	8270D	(ug/kg)	580		<500U	<500U	<500U	<500U	<500U
Pyrene	8270D	(ug/kg)	2200000		<100U	900	3000	150	<100U

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ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE SAMPLE DEPTH (Bg1	06-PE-001.6 03/31/2006 6.00	06-PE-002:6 03/31/2006 6.00	06-PE-003:6 03/31/2006 6.00	06-PE-004:6 03/31/2006 6.00	06-PE-005:6 03/31/2006 6 00
heriol	9065	(mg/kg)	400		<0.686U	<0.696U	<0.702U	<0.695U	<0.696U
ONSTITUENT				SAMPLE LOCATION:	06-PE-006 6	06-PE-007:o	06-PE-008:6	06-PE-009:6	06-PE-010:6
NSIIIUENI	METHOD	UNITS	*STANDARD	SAMPLE DATE:	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006
				SAMPLE DEPTH (08).	6.00	6.00	6.00	6.00	6.00
nenol	9065	(mg/kg)	400		<0.702U	<0.695U	<0.696U	<0.713U	<0.663U

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React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue, P.O. Box 5377, Philadelphia PA 19142 \* 654A Mount Road, Aston, PA 19014

#### ANALYTICAL CHEMISTRY REPORT

#### SAMPLING PERIOD: 3/31/2006 MATRIX: SOIL

#### **METHODS:**

EPA Method 418.1 - Total Petroleum Hydrocarbons (TPH)

EPA Method 6010B - Metals and Trace Elements by ICP/Atomic Emission Spectrometry EPA Method 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) EPA Method 8270D - Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

#### APPLICABLE REGULATORY REPORTING STANDARD:

PADEP Statewide Health Standards (SWHS): 25 PA Code Chapter 250 Tables 3A, 3B, 4A, 4B- Organic and Inorganic Constituents in Soil, Most Stringent Criteria of the Non-Residential Soil to Groundwater (Unsaturated Conditions) and Direct Contact (Surface Soil, 0-2 Feet ) Pathways: Non-Use Aquifer.

CONSTITUENT :	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH (Abgi	PE-001:.5 03/31/2006 0.50	PE-002 .5 03/31/2006 0.50	PE-003:.5 03/31/2006 0.50	PE-010:.5 03/31/2006 0.50	PE-011:,5 03/31/2006 0.50
ГРН	418.1	(mg/kg)			560	1000D	72		
	All the state of the second seco		ALCOHOLD MATTER AND A PROPERTY AND	to the same design of the same set and the same set at					
	ledin terçek işarı	<u>Alexander</u>	a di tangan sa	<u>ie die gewe</u>	ter dans di d	<u>La de la comp</u>	adamin'ny dia		Merel Long
DNSTITUENT	лана (борова се образова) метнор	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE	PE-0015	PE-002::5	PE-003:.5	PE-010:.5	PE-011: 5
ONSTITUENT	метнор	UNITS	*STANDARD		PE-0015 03/31/2006 0.50	PE-002: .5 03/31/2006 0.50	PE-003:.5 03/31/2006 0.50	PE-010:.5 03/31/2006 0.50	PE-011: 5 03/31/2006 0.50

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#### Page 1 of 12

#### COOPER GRANT PROJECT FRONT STREET, CAMDEN, NJ

REPSG PROJECT No. 7254-602





Project No.:7254-002

Page 2 of 12

		an antai		SAMPLE LOCATION:					
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE DATE:	PE-012: 5 03/31/2006	PE-013:.5 03/31/2006	PE-014:.5 03/31/2006		
<b>建筑的</b> 和1943年				SAMPLE DEPTH (fbg)	0.50	0.50	03/31/2008		
Fotal Solids	5035 7.5	(%)			93.5	91.1	93.3		
PA Method 6010B	Reg & Let	haistiga	National de la constance de la constancia d	kata kata kata kata kata kata kata kata				ta da kara	
				SAMPLE LOCATION	PE-001:.5	PE-0025	PE-003:.5	PE-010:.5	PE-011:.5
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE DATE.	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006
				SAMPLE DEPTH (Ibal	0.50	0.50	0.50	0.50	0.50
allimony	6010B	(mg/kg)	1100		<5U	<su< td=""><td>&lt;5U</td><td>7.6</td><td>5.2</td></su<>	<5U	7.6	5.2
cryllium	6010B	(mg/kg)	5600		0.37	0.34	0.3	0.74	0.4
Cadmium •	6010B	(mg/kg)	210		<1U	2.2	<1U	<10	!!</td
ead	6010B	(mg/kg)	1000	and the state of t	120	170	180	210	200
lickel	6010B	(mg/kg)	56000		7.8	8	s.7	13	7.0
inc	6010B	(mg/kg)	190000		130	180	79	190	130
				SAMPLE LOCATION	PE-012:.5	PE-013:.5	PE-014:5		
DNSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE DATE.	03/31/2006	03/31/2006	03/31/2006	刘光 经工作单于	
				SAMPLE DEPTH (Bg):	0.50	0.50	0.50		
atimony	6010B	(mg/kg)	1100		< <b>5</b> U	<5U	<5U		
eryllium	6010B	(mg/kg)	5600		0.37	0.37	0 37	Chine In 1997 In 1995 State of the Oct	
admium	6010B	(mg/kg)	210		<1U	<1U	1.7		
ead	6010B	(mg/kg)	1000		96	62	160	CENTRES PERFORMENTS	
lickel	6010B	(mg/kg)	56000		8.3	7,3	10	n beretti sagit.	

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14	100	
÷γ	1.45	16
2		1676
1.6	10.0	East.

Project No.:725+-002 Page 3 of 12

2	10	-	-	-	2012	arrale.	Contra-	10.04	 ethitti.	4.04	المقاطبة	х×,	663
									10.53			172	

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE: SAMPLE DEPTH (Ingl.	PE-012:.5 03/31/2006 0.50	PE-013:.5 03/31/2006 0.50	PE-014:.5 03/31/2006 0.50		
Zinc	6010B	(mg/kg)	190000		120	82	160		
ERA Method 8260B	alar X Lad	terdikaine	Setter set	Andrai and said					
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (106):	PE-001:.5 03/31/2006 0.50	PE-002:.5 03/31/2006 0.50	PE-003: 5 03/31/2006 0.50	PE-010:.5 03/31/2006 0.50	PE-011:.5 03/31/2006 0.50
,1,1-trichloroethane	8260B	(ug/kg)	200000		<210UD	<190UD	<190UD	<180UD	<170UI
,1,2,2-Tetrachloroethane	8260B	(ug/kg)	3000	and a second	<210UD	<190UD	<190UD	<180UD	<170UI
,1,2-Trichloroethane	8260B	(ug.kg)	5000		<210UD	<190UD	<190UD	<180UD	<170UE
1,1-Dichloroethane	8260B	(ug/kg)		the second se			Commission (Million (Co. 773)).	and the number of the state of	

1,1,2-111emoroemane	0200B	(ug kg)	5000	<210UD	<190UD	<190UD	<180UD	<170UD
1,1-Dichloroethane	8260B	(ug/kg)	110000	<210UD	<190UD	<190UD	<180UD	<170UD
1,1-Dichloroethylene	8260B	(ug/kg)	7000	<210UD	<190UD	<190UD	<180UD	<170UD
1,2-Dichloroethane	8260B	(ug/kg)	5000	<210UD	<190UD	<190UD	<180UD	<170UD
1.2-Dichloropropane	8260B	(ug/kg)	5000	<210UD	<190UD	<190UD	<180UD	<170UD
2-Hexanone	8260B	(ug/kg)	670000	<1000UD	<950UD	<960UD	<900UD	<870UD
Acetonie	8260B	(ug/kg)	1000000	<10000UD	<9500UD	<9600UD	<9000UD	<8700UD
Benzene	8260B	(ug/kg)	50000	160D	<95UD	<96UD	<90UD	<87UD
Bromodichloromethane	8260B	(ug/kg)	10000	<100UD	<95UD	<96UD	<90UD	<87UD
Bromotorm	8260B	(ug/kg)	1000000	<210UD	<190UD	<190UD	<180UD	<170UD
Carbon disulfide	8260B	(ug/kg)	410000	<1500UD	<1400UD	<1400UD	<1300UD	<1300UD
Carbon tetrachlnride	8260B	(ug/kg)	5000	<210UD	<190UD	<190UD	<180UD	<170UD
Chlorobenzene	8260B	(ug/kg)	1000000	<210UD	<190UD	<190UD	<180UD	<170UD
							CALL STREET, STREE	

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#### Project No.:7254-002 Page 4 of 12

EPA Method 8260B

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE	PE-0011.5 03/31/2006	PE-002:.5 03/31/2006	PE-003:.5 03/31/2006	PE-010:.5 03/31/2006	PE-0115 03/31/2006
				SAMPLE DEPTH (fbg)	0.50	0.50	0.50	0.50	0 50
Chloroethane	8260B	(ug/kg)	9000000		<410UD	<380UD	<380UD	<360UD	<350UD
Chiorniorm	8260B	(ug kg)	17000		~210UD	<190UD	<190UD	<180UD	<170UD
cis-1,2-Dichloroethylene	8260B	(ug/kg)	70000		<210UD	<190UD	<190UD	<180UD	<170UD
cis-1,3;Dichloropropene	8260B	(ug.kg)			<210UD	<190UD	<190UD	<180UD	<1700D
Dibromochloromethane	8260B	(ug/kg)	61000		<210UD	<190UD	<190UD	<180UD	<1700D
Ethylbenzene	8260B	(ug/kg)	7000000	<b>学员和国际</b> 政	<210UD	<190UD	<190UD	<180UD	<170UD
Methyl bromide	8260B	(ug/kg)	100000	Charles States and	<310UD	<290UD	<290UD	<270UD	<260UD
Methyl chloride	8260B	(ug/kg)	30000		<1000UD	<950UD	<960UD	<900UD	<870UD
Methyl ethyl ketone	8260B	(ug/kg)	10000000		<10000UD	<9500UD	<9600UD	<9000UD	<8700UD
Methyl isobutylketone (MIBK)	\$260B	(ug/kg)	4100000		<1000UD	<950UD	<960UD	<900UD	<870UD
Methyl tert-butyl ether	8260B	(ug'kg)	20000		<210UD	<190UD	<190UD	<180UD	<170UD
Methylene chloride	\$260B	(ug/kg)	50000		~3100UD	<2900UD	<2900UD	<2700UD	<2600UD
Styrene	8260B	(ug/kg)	2400000		<210UD	<190UD	<190UD	<180UD	· <170UD
Tetrachluroethylene	8260B	(ug/kg)	5000		300D	150D	140D	160D	190D
Toluene	8260B	(ug/kg)	10000000		290D	220D	<190UD	<180UD	<170UD
trans-1,2-Di-chloroethylene	8260B	(ug/kg)	100000		<210UD	<190UD	<190UD	<180UD	<170UD
trans-1,3-Dichloropropene	8260B	(ug.kg)			<210UD	<190UD	<190UD	<180UD	<170UD
Trichlamethylene	8260B	(ug kg)	5000		<100UD	<95UD	<96UD	<90UD	<87UD
Trichlorofluoromethane	8260B	(ug/kg)	10000000		<210UD	<190UD	<190UD	<180UD	<170UD
Vinyl chloride	8260B	(ug kg)	2000		~210UD	<190UD	<190UD	<180UD	<170UD
Xylene (total)	8260B	(ug/kg)	10000000		<620UD	<570UD	<580UD	<540UD	<520UD
Total TICS - 8260	8260B	(ug/kg)							

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### React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

Project No.:7254-002 Page 5 of 12

EPA Method 8260B

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE: SAMPLE DEPTH IB:	PE-012: 5 03:31/2006	PE-013:.5 03/31/2006	PE-014:.5 03/31/2006	
				SAMPLE DEFTA hogi	0.50	0.50	0 50	
1,1,1-trichloroethane	8260B	(ug'kg)	200000		<180UD	<170UD	<180UD	
1,1,2,2-Tetrachloroethane	8260B	(ug/kg)	3000		<180UD	<170UD	<180UD	
1,1,2-Trichloroethane	8260B	(ug/kg)	5000		<180UD	<170UD	<180UD	
1,1-Dichloroethane	8260B	(ug.kg)	110000		<180UD	<170UD	<180UD	
1.1-Dichloroethylene	8260B	(ug/kg)	7000		<180UD	<170UD	<180UD	-110-14: 14:
,2-Dichloroethane	8260B	(ug/kg)	5000		<180UD	<170UD	<180UD	
1.2-Dichloropropane	8260B	(ug/kg)	5000		<180UD	<170UD	<180UD	
2-Hexanone	8260B	(ug/kg)	670000		<880UD	<860UD	<900UD	
Acetone	8260B	(ug/kg)	10000000		<8800UD	<8600UD	<9000UD	
Benzene	8260B	(ng/kg)	50000		<88UD	<86UD	<90UD	
Bromodichloromethane	8260B	(ug/kg)	10000		<88UD	<86UD	<90UD	
Bromoform	8260B	(ug/kg)	. 1000000		<180UD	<170UD	<180UD	
Carbon disulfide	8260B	(ug/kg)	+10000		<1300UD	<1300UD	<1400UD	
Carbon tetrachloride	8260B	(ug/kg)	5000		<180UD	<170UD	<180UD	
Chlorobenzene	8260B	(ug/kg)	1000000		<180UD	<170UD	<180UD	(645) (4 (6)) (4 (7))
Chloroethane	8260B	(ug/kg)	2000000		<350UD	<340UD	<360UD	
Chloroform	8260B	(ug/kg)	17000		<180UD	<170UD	<180UD	
is-1,2-Dichloroethylene	8260B	(ug/kg)	70000		<180UD	<170UD	<180UD	
is-1,3-Dichloropropene	8260B	(ug/kg)			<180UD	<170UD	<180UD	
Dibromochloromethane	8260B	(ug/kg)	61000		<180UD	<170UD	<180UD	
thylbenzene	8260B	(ug/kg)	7000000		<180UD	<170UD	<180UD	
Aethyl bromide	8260B	(ug/kg)	100000		<260UD	<260UD	<270UD	

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#### Project No.:7254-002 Page 6 of 12

#### EPA Method 8260B

Constituenț	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE.	PE-001:.5	PE-002:.5	PE-003: 5	PE-010:.5	PE-011:.5
PAMethod 8270D in water .	Lente la là								
Total TICS - 8260	8260B	(ug/kg)							
Kylene (total)	8260B	(ug/kg)	10000000		<530UD	<520UD	<540UD		
Vinyl chloride	8260B	(ug/kg)	2000		<180UD	<170UD	<180UD		
Trichlorofluoromethane	\$260B	(ug kg)	10000000		<180UD	<170UD	<180UD		
Trichloroethylene	8260B	(ug/kg)	5000		<88UD	<86UD	130D		
rans-1,3-Dichloropropene	8260B	(ug/kg)			<180UD	<170UD	<180UD		
rans-1,2-Di-chloroethylene	8260B	(ug/kg)	100000		<180UD	<170UD	<180UD		
foluene	8260B	(ug/kg)	10000000	19. 李惠高麗	<180UD	<170UD	<180UD		
etrachloroethylene	8260B	(ug/kg)	5000		410D	450D	290D		
tyrenc	8260B	(ug/kg)	2400000		<180UD	<170UD	<180UD		
Aethylene chloride	8260B	(ug/kg)	50000		<2600UD	<2600UD	<2700UD		
Methyl tert-butyl ether	8260B	(ug/kg)	20000		<180UD	<170UD	<180UD		
Methyl isobutylketone (MIBK)	8260B	(ug/kg)	. +100000		<880UD	<860UD	<900UD		
vlethyl-ethyl ketone	8260B	(ug kg)	10000000		<8800UD	<8600UD	<9000UD		
Methyl chloride	8260B	(ug/kg)	30000		<880UD	<860UD	<900UD		
mananeshadi koʻsin baraaci mi				SAMPLE DEPTH (Bgl	0.50	0.50	0.50		
ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE DATE	03/31/2006	03/31/2006	03/31/2006		
				SAMPLE LOCATION:	PE-0125	PE-013:.5	PE-0145		

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE DATE.	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	
				SAMPLE DEPTH (Bai	0 50	0.50	0.50	0.50	0.50	
1.2.4-Trichlorobenzene	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	<100U	~100U	

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#### Project No.:7254-002

Page 7 of 12

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ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: ŞAMPLE DEPTH (fbg1	PE-001:.5 03/31/2006 0.50	PE-002:.5 03/31/2006 0 50	PE-003:.5 03/31/2006 0 50	PE-010: 5 03/31/2006 0.50	PE-011:.5 03/3,1/2006 0.50
2,4-Dinitrotoluene	8270D	(ug kg)	260000		<500UD	<500UD	<100U	<100U	
2,6-Dinitrotoluene	8270D .	(ug/kg)	2800000		<500UD	<500UD	<100U	<100U	<100U <100U
2-Chloronaphthalene	8270D	(ug/kg)	18000000		<500UD	<500UD	<100U	<1000 <100U	
2-Methy Inapinthalene .	8270D	(ug/kg)	8000000		<500UD	<\$00UD	<100U	<1000 <100U	<100U
3-Dichlorobenzidine	8270D	(ug kg)	- 180000		<2500UD	<2500UD	<500U	<1000 <500U	<100U <500U
-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<500UD	<500UD	<100U	<100U	
-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000	folio-Subic al 1102 Edated	<500UD	<500UD	<100U	<1000 <100U	<100U <100U
Acenaphthene	8270D	(ug/kg)	4700000		<500UD	<500UD	<1000	<100U	<1000 <100U
cenaphthylene	8270D	(ug/kg)	18000000		<500UD	<500UD	<100U	<1000 <100U	<100U
miline	8270D	(ug/kg)	580		<500UD	<500UD	<100U	<100U	<100U
nthracene	8270D	(ug/kg)	350000	NEED COMMENTERS (CREE)	~500UD	730D	190	130	210
enzo(a)an(hracene	8270D	(ug/kg)	110000		1200D	3000D	730	510	850
enzo(a)pyrene	8270D	(ug/kg)	11000		1400D	3900D	880	630	1000
lenzo(b)fluoranthene	8270D	(ug/kg)	110000		1800D	5100D		790	1300
enzo(ghi)perylene	8270D	(ug/kg)	180000		970D	2600D	1200 540	370	480
enzo(k)fluoranthene	8270D	(ug/kg)	610000		560D	1600D	420	290	480
enzyl alcohol	8270D	(ug/kg)	3100000	e sent en region in	<500UD	<500UD	<100U	<100U	470 <100U
is(2-chloroethoxy)methane	8270D	(ug/kg)	670000		<500UD	<500UD	<1000 <100U	<1000	<1000 <100U
is(2-chloroethyl)ether	8270D	(ug/kg)	5000		<500UD	<500UD	<100U	<1000 <100U	<100U>
is(2-chloroisopropyl)ether	8270D	(ug/kg)			<500UD	<500UD	<1000 <100U	<1000	<1000
is(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	5700000	27 - 17 - 19 - 19 <u>22 - 1</u> 80	<1600UD	<1600UD	<330U	<330U	<100U
utylbenzylphthalate	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	<100U	<100U

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U} = \text{Constituent not detected above Practical Quantitation Limit (PQL)}$   $\underline{J} = \text{Estimated Value}$   $\underline{=}$  Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D} = \text{Compound identified at a secondary}$  dilution factor.  $\underline{B} = \text{Analyte reported in associated field or trip blank}$ .  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$  - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{#}$  - PQL exceeds the reporting standard.



#### Project No.:7254-002 Page 8 of 12

#### EPA Method 8270D

CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE:	PE-001: 5 03/31/2006	PE-002:.5 03/31/2006	PE-003:.5 03/31/2006	PE-010:.5 03/31/2006	PE-011:.5 03/31/2006
		112 113181		SAMPLE DEPTH (Gg)	0.50	0.50	0.50	0.50	0.50
Chrysene	8270D	(ug kg)	230000		1000D	2700D	750	490	870
Dibenzo(a,h)anthracene	8270D	(ug/kg)	11000		<500UD	690D	160	130	180
Dibenzofuran	8270D	(ug/kg)	670000		<500UD	<500UD	<100U	<100U	<1000
Diethyl phthalate	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	<100U	<1000
Dimethyl phthalate	8270D	(ug/kg)	670000	HIS HAVE LINES LINES	<500UD	<500UD	<1000	<100U	<1000
Di-n-butyl phthalate	8270D	(ug/kg)	10000000		<1600UD	2500D	2100	720	1400
Di-n-octyl phthalate	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	<100U	<100U
Diphenylamine	8270D	(ug/kg)	20000000		<500UD	<500UD	<100U	<100U	<1000
luoranthene	8270D	(ug/kg)	3200000		2600D	6900D	1900	1200	2000
luorene	8270D	(ug/kg)	3800000		<500UD	<500UD	<100U	<100U	<1000
lexachlorobenzene	8270D	(ug/kg)	5800		<500UD	<500UD	<100U	<100U	<1000
lexachlorobutadiene	8270D	(ug/kg)	560000		<500UD	<500UD	<100U	<100U	<1000
lexachlorocyclopentadiene	8270D	(ug/kg)	3300000		<500UD	<500UD	<100U	<100U	<1000
lexachloroethane	8270D	(ug/kg)	56000		<500UD	<500UD	<100U	<100U	<1000
ndeno(1,2,3-cd)pyrene	8270D	(ug/kg)	110000		1100D	3000D	650	430	580
sophorone	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	<100U	<1000
n-Dichlorobenzene	8270D	(ug/kg)	6100000		<500UD	<500UD	<100U	<100U	<100U
n-Nitroaniline	8270D	(ug/kg)	580		<2500UD#	<2500UD#	<500U	<500U	<500U
laphthalene	8270D	(ug/kg)	7500000		<500UD	<500UD	<100U	<100U	<100U
itrobenzene	8270D	(ug/kg)	1400000		<500UD	<500UD	<100U	<100U	<100U
-Nitrosodipropylamine	8270D	(ug/kg)	. 11000		<500UD	<500UD	<100U	<100U	<100U
-Dichlorobenzene	8270D	(ug kg)	6000000		<500UD	<500UD	<100U	<100U	<100U

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{-}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{H}$  - PQL exceeds the reporting standard.



### React Environmental Professional Services Group, Inc. ANALYTICAL CHEMISTRY REPORT

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#### Project No.: 7254-002 Page 9 of 12

29.

EPA Method 8270D

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CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION SAMPLE DATE SAMPLE DEPTH (Dg)	PE-0015 03/31/2006 0.50	PE-0025 03/31/2006 0.50	PE-003:.5 03/31/2006 0.50	PE-010:.5 03/31/2006 0.50	PE-011:.5 03/31/2006 0.50
o-Nitroaniline	8270D	(ug/kg)	580		<2500UD#	<2500UD#	<500U	<500U	<500U
p-Chloroaniline	8270D	(ug/kg)	52000		<500UD	<500UD	<100U	<100U	<100U
p-Dichlorobenzene	8270D	(ug/kg)	1000000		<500UD	<500UD	<100U	<1000 <100U	<1000
Phenanthrene	8270D	(ug.kg)	10000000		1200D	2700D	880	590	
p-Nitroaniline	8270D	(ug/kg)	580		<2500UD#	<2500UD#	<500U	<500U	1200
Py rene	8270D	(ug/kg)	2200000	ale a curat	1700D	4300D	1100	770	<500U 1500
Total TICS - 8270	8270D	(ug/kg)		ander Berry ander ander	1800	8800	2270	930	1300
CONSTITUENT	метнор	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (0bg):	PE-0125 03/31/2006 0.50	PE-0135 03/31/2006 0.50	PE-014:.5 03/31/2006 0 50		
1,2,4-Trichlorobenzene	8270D	(ug.kg)	1000000		<500UD	<500UD	<100U		
2,4-Dinitrotoluene	8270D	(ug/kg)	260000		<500UD	<500UD	<100U		
2,6-Dinitrotoluene	8270D	(ug kg)	2800000		<\$00UD	<500UD	<100U		
2-Chloronaphthalene	8270D	(ug/kg)	18000000	and an open start and a filler	<500UD	<500UD	<100U		
2-Methylnaphthalene	8270D	(ug/kg)	8000000		<500UD	<500UD	<1000		
3,3-Dichlorobenzidine	8270D	(ug/kg)	180000		<2500UD	<2500UD	<500U	osombalandinatio	
-Bromophenyl phenyl ether	8270D	(ug/kg)	670000		<500UD	<500UD	<100U		
4-Chlorophenyl phenyl ether	8270D	(ug/kg)	670000		<500UD	<500UD	<1000		
Acenaphthene	8270D	(ug/kg)	4700000		<500UD	<500UD	190	an a	
A second all all a	8270D		10000000			40		e norvalkalist tip	
Acenaphthylene	8270D	(ug/kg)	18000000		<500UD	<500UD	230		

Exceedences of the Regulatory Standard are Primed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{=}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



#### Project No.: 7254-002 Page 10 of 12

EPA Method 8270D

승규는 승규는 물건을 하지 못하는 것을 다 가지 않는 것이 없는 것이 없다.			and compared and the second		reaction with the second second second second second	service of the last of the party of the	a Collegate and a line of the second	
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE: SAMPLE DEPTH (Bg)	PE-012: 5 03/31/2006 0.50	PE-013:.5 03/31/2006 0.50	PE-014:.5 03/31/2006 0.50	
Anthracene	8270D	(ug/kg)	350000		<500UD	<5001 ID		
Benzo(a)anthracene	8270D	(ug/kg)	110000		<3000D 620D	<500UD	490	
Benzo(a)pyrene	8270D	(ug/kg)	11000	Consent of Beaching	860D	530D	1600	
Benzo(b)fluoranthene	8270D	(ug/kg)	110000		1100D	660D	2100	
Benzo(ghi)perylene	8270D	(ug/kg)	180000		<\$00UD	810D	2800	Selfage (1999) (1)
Benzo(k)fluoranthene	8270D	(ug/kg)	610000		<500UD	<500UD	840	
Benzyl alcohol	8270D	(ug/kg)	3100000		<500UD	<500UD <500UD	890	
Bis(2-chloroethoxy)methane	8270D	(ug/kg)	670000		<500UD		<100U	
Bis(2-chloroethyl)ether	8270D	(ug/kg)	5000	and the state of the	<500UD	<500UD <500UD	<100U	网络国际科学校
Bis(2-chloroisopropyl)ether	8270D	(ug/kg)	2. 过载通时管	生物化 动脉的	<500UD	<500UD	<100U	
Bis(2-ethylhexyl)phthalate(BEHP)	8270D	(ug/kg)	5700000		<1600UD	<1600UD	<100U	
Butylbenzylphthalate	8270D	(ug/kg)	10000000		<500UD	<500UD	600	
Chrysene	8270D	(ug/kg)	230000	1911 v The skale a	600D	<500UD	<100U	
Dibenzo(a,h)anthracene	8270D	(ug/kg)	11000		<500UD	<500UD	1400	
Dibenzofuran	8270D	(ug/kg)	670000		<500UD	<500UD	280	
Diethyl phthalate	8270D	(ug/kg)	10000000		<500UD	<5000D	110 <100U	
Dimethyl phthalate	8270D	(ug/kg)	670000	en erterni i venteziti.	<500UD	<500UD	<100U <100U	
Di-n-butyl phthalate	8270D	(ug/kg)	10000000	Mindae Ball	<1600UD	<1600UD	2400	
Di-n-octyl phthalate	8270D	(ug/kg)	10000000		<500UD	<500UD	2400 <100U	
Diphenylamine	8270D	(ug/kg)	20000000		<500UD	<300UD	<100U <100U	
fluoranthene	8270D	(ug/kg)	3200000		1700D	1300D	4300	
luorene	8270D	(ug.kg)	3800000		<500UD	<500UD		
		101 - 14 - 11					220	

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value.  $\underline{\sim}$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



Project No.:7254-602 Page 11 of 12

CPA Method 8270D	HE MARLE		Contraction of the	EPRESSOURCE PRES	Section Pro-		es de la de ausien de	
CONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (Ibg)	PE-0125 03/31/2006 0.50	PE-0135 03/31/2006 0.50	PE-014:.5 03/31/2006 0.50	
lexachlorobenzene	8270D	(ug/kg)	5800		<500UD	<500UD	<100U	
lexachlorobutadiene	8270D	(ug/kg)	560000		<500UD	<500UD	<1000	
exachlorocyclopentadiene	8270D	(ug/kg)	3300000		<500UD	<500UD	<1000	
lexachloroethane	8270D	(ug/kg)	56000		<500UD	<500UD	<1000	
ndeno(1,2,3-cd)pyrene	8270D	(ug/kg)	- 110000		580D	<500UD	1100	and the second second
ophorone	8270D	(ug/kg)	10000000		<500UD	<500UD	<100U	
Dichlorobenzene	8270D	(ug/kg)	6100000		<500UD	<500UD	<100U	
-Nitroaniline	8270D	(ug/kg)	580		<2500UD#	<2500UD#	<500U	and a state of the state
aphthalene	8270D	(ug/kg)	7500000	NAMES OF A DESCRIPTION OF	<500UD	<500UD	<100U	liko halikin tiyo seo ni tiyo a saat
trobenzene	8270D	(ug/kg)	1400000	話を思議論	<500UD	<500UD	<100U	and a second
Nitrosodipropylaniine	8270D	(ug/kg)	11000	Constraint and the processory	<500UD	<500UD	<100U	
Dichlorobenzene	8270D	(ug/kg)	6000000		<500UD	<500UD	<100U	副商品にいたスペー
Nitroaniline	8270D	(ug/kg)	580		<2500UD#	<2500UD#	<500U	AVALUES DE L'ALES SELLE AND AND AND A
Chloroaniline	8270D	(ug/kg)	52000		<500UD	<500UD	<100U	
Dichlorobenzene	8270D	(ug/kg)	1000000	and the second se	<500UD	<500UD	<100U	waters and second second second
nenauthrene	8270D	(ug/kg)	1000000		630D	530D	1700	
Nitroaniline	8270D	(ug/kg)	580	and the second second	<2500UD#	<2500UD#	<500U	NERVICES/LESSER RECURSES
rene	8270D	(ug/kg)	2200000		870D	730D	2600	
otal TICS - 8270	8270D	(ug/kg)				A consideration of the second	17800	HARLING STATISTICS

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{I}$  = Estimated Value.  $\_$  = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary filution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$  - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.



ONSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION. SAMPLE DATE: SAMPLE DEPTH (lbg)	PE-0015 03/31/2006 0.50	PE-002:.5 03/31/2006 0.50	PE-003: 5 03/31/2006 0.50	PE-010:.5 03/31/2006 0.50	PE-011:.5 03/31/2006 0.50
henol '	9065	(mg/kg)	-10000		<0.672U	<0.683U	<0.677U	<0.737U	<0.70
NSTITUENT	METHOD	UNITS	*STANDARD	SAMPLE LOCATION: SAMPLE DATE: SAMPLE DEPTH (065):	PE-0125 03/31/2006 0.50	PE-013:.5 03/31/2006 0.50	PE-014: 5 03/31/2006 0.50		
enol	9065	(mg/kg)	-10000	AN SAME	<0.674U	<0.692U	<0.675U		

Exceedences of the Regulatory Standard are Printed in Bold.

QUALIFIERS:  $\underline{U}$  = Constituent not detected above Practical Quantitation Limit (PQL).  $\underline{J}$  = Estimated Value \_\_ = Indicates that the reported concentration is the Practical Quantitation Limit (PQL).  $\underline{D}$  = Compound identified at a secondary dilution factor.  $\underline{B}$  = Analyte reported in associated field or trip blank.  $\underline{N}$  - Tentativley Identified Compound (TIC).  $\underline{Y}$ - Tentativley Identified Compound (TIC) also identified in Method Blank.  $\underline{\#}$  - PQL exceeds the reporting standard.

### **APPENDIX F**

Analytical Results/Disposal Manifests-AOC-B1/B2/B3 (EHS Environmental Inc., March 22, 2006)

### EHS ENVIRONMENTAL, INC.

9 SOUTH MAIN STREET • MULLICA HILL, NJ • 08062 856-223-0080 FAX 856-223-0885

March 22, 2006

Mr. Charles Lewis Pennrose Properties, LLC One Brewery Park 1301 N. 31<sup>st</sup> Street Philadelphia, PA 19102-4495

Re: Cooper Grant, 308-322 N. Front Street, Camden, NJ

Dear Mr. Lewis:

Enclosed please find the disposal manifests for the soil associated with the removal of the underground storage tanks. This includes the removal of one 8,000 gallon registered diesel storage tank, the removal of one 1,000 gallon heating oil storage tank, and the removal of one 500 gallon heating oil storage tank from the Cooper Grant Site located in Camden, New Jersey. Please be advised that the report for the removal of the 8,000 gallon registered diesel storage tank was sent previously and that this document represents the disposal of the contaminated soil.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Jack F. Carney

Cc: Terrence M. Vogt, Remington & Vernick Olivette Simpson, Camden Redevelopment Authority

## ANALYTICAL RESULTS FOR DISPOSAL PARAMETERS

EMSL Analytical

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Alte: n

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3 Gooper St., Westmont, NJ 08108

Phone: (856) \$58-4800 Fax: (856) 858-4571 Email: swcsson@emsl.com



	Raymond Duchaine ENVision, Inc. 130 Hickman Road			Customer ID; Customer PO;	EVIS62
	Suite 26 Claymont, DE 19703			Received: EMSL Order:	02/10/05 11:06 AM 010500466
Fax:	(302) 791-9937	Phone:	(302) 791-9939	EMSL Proj:	Pennrose - Cooper Grant
				Report Date:	2/24/05
Client S	Sample Description PC-1			Lab 1D: 0001	1

Test	Method	Parameter	Concentration (	linite	Analysis Date/Time	<b>X</b> (
Total Solids	2540B	Total Solids	88 9		2/11/05	Notes
TCLP Metals-Arsonic, TCLP	60108	Arsenic	<0.080 n	ng/L	03:30 PM 2/17/05	
Arsenic, Total	6010B	Arsenic	5.5 <del>6</del> m	ng/Kg	11:51 AM 2/14/05	
TCLP Metals-Barlum, TCLP	6010B	Barium	<1.00 m	ng/L	02:56 PM 2/17/05	
Beryllium, Total	6010B	Beryllium	0.509 m	ng/Kg	11:51 AM 2/14/05	
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040 m		02:56 PM 2/17/05	
Cadmium, Total	6010B	Cadmium	<0.452 mg	g/Kg	11:51 AM 2/14/05	
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.100 mg	g/L	02:56 PM 2/17/05	
CLP Metals-Lead, TCLP	6010B	Lead	0.385 mg	g/L	11:51 AM 2/17/05	
ead, Total	6010B	Lead	127 mg	g/Kg	11:51 AM 2/14/05	
lickel, Total	6010B	Nickel	7.79 mg	r/Kg	02:56 PM 2/14/05	
CLP Metals-Selenium, TCLP	6010B	Selenium	<0.200 mg/	<u>и</u>	02:56 PM 2/17/05	
CLP Metals-Silver, TCLP	6010B	Silver	<0.100 mg/	/L	11:51 AM 2/17/05	
nc, Total	6010B	Zinc	112 mg/	/Kg	11:51 AM 2/14/05	
CLP Metals-Mercury, TCLP	7471A	Mercury	<0.002 mg/l		02:56 PM 2/17/05	
B	8082	See Attached			01:49 PM 2/23/05	
A	8260B	See Attached			01:01 AM	

ChemSmplw/oQC-1

Page 2 of 4

EMSL Analytical	MSL	Anal	vtical
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S Cooper St., Westmant, NJ 08108

Phone: (856) 858-4800 Fax: (656) 858-4571 Email: swesson@omsl.com



Attn: Raymond Duchaine ENVIsion, Inc. 130 Hickman Road Suite 26 Claymont, DE 19703		Customer ID; Customer PO; Received; EMSL Order;	EVIS62 02/10/05 11:06 AM 010500466
Fax: (302) 791-9937	Phone: (302) 791-9939	EMSL Proj:	Pennrose - Cooper Grant
		Report Date:	2/24/05
Client Sample Description PC-1		Lub ID: 0001	

1 251	Method	Parameter	Concentration	Units	Analysis Date/Time	AT
SVOA	8270C PAH	See Altached				Notes
Paint Filter Test	····				2/14/05 09:05 PM	
Fant Filer (est	9095A	Free Liquid	N.F.L.		2/21/05	
	····				08:50 AM	

ChemSmplw/oQC-1

Page 3 of 4

EMSL Analytical

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D Cooper St., Westmont, NJ 08108

Attn: Raymond Duchaine ENVision, Inc. 130 Hickman Road

Claymont, DE 19703

Suite 26

Fax

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: swesson@emsi.com

58-4571	Email: swesson@emsi.com		n Managana an ang ang ang ang ang ang ang a	
		Customer ID: Customer PO;	EV1\$62	
		Received: EMSL Order:	02/10/05 11:06 AM 010500466	
Phone;	(302) 791-9939	EMSL Proj:	Pennrose - Cooper Grant	

2/24/05

Client Sample Description PC-2

(302) 791-9937

Lab ID: 0002

Report Date:

Test	Method	Parameter	Concentration Units	Analysis Date/Time Notes
Total Solids	2540B	Total Solids	87 %	2/11/05 03:30 PM
Diesel Range Organics	8015	Diesel Range Organics	470 mg/Kg	2/15/05 06:03 PM

ChemSmplw/oQC-1

Page 4 of 4

ENVISION, INC.

#### **1**A VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

		THE THE AND MUNDESIS DATA SHEET						
Lab Name: EMSL A	NALYTICAL	Contract:	500	466-1				
Project No.:	Site:	Location:	Group:					
Matrix: (soil/water)	SOIL	Lab Sample ID:						
Sample wt/vol:	(g/mL)G	Lab File ID	: <u>T2984.</u> D	-				
Level: (low/med)	MED	Date Received:		•				
% Moisture: not dec.	12	Date Analyzed:	2/14/05	•				
GC Coluron: RTX-502	X 60M ID: 0.25	(mm) Dilution Factor:	1					
oil Extract Volume:	10000 (uL)	Soil Aliquot Volume:	100	(uL)				
CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q					
74-87-3	Chloromethane	570	U					
75-01-4	Vinyl chloride	570	<u> </u>					
74-83-9	Bromomethane	570	<u>U</u>					
75-00-3	Chloroethane	570	U					
75-69-4	Trichlorofluoromethanc	570	<u> </u>					
75-35-4	1,1-Dichloroethene	280	<u> </u>					
75-09-2	Methylene chloride	280	<u> </u>					
156-60-65	trans-1,2-Dichloroethene	280	<u> </u>					
75-34-3	1,1-Dichlorocthane	280	U					
67-66-3	Chloroform	280	UU					
<b>B</b> 1 <b>C2</b>		200	U [					

	- i Diditioi Octulette	280	U I
75-09-2	Methylene chloride	280	U
156-60-65	trans-1,2-Dichloroethene	280	<u> </u>
75-34-3	1,1-Dichlorocthane	280	<u> </u>
67-66-3	Chloroform	280	U U
71-55-6	1,1,1-Trichloroethane	280	<u> </u>
56-23-1	Carbon tetrachloride	280	U
71-43-2	Benzene	280	
107-06-2	1,2-Dichloroethane	280	U U
79-01-6	Trichloroethene	280	
78-87-1	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane		U
10061-01-1	cis-1,3-Dichloropropene	280	U
108-88-3	Toluene	280	<u> </u>
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-1	1,1,2-Trichloroethane	280	U
127-18-4	Tetrachloroethene	280	U
124-48-1			U
108-90-7	Dibromochloromethane	280	Ŭ
108-90-7	Chlorobenzene	280	บ
100-41-4	Ethylbenzene	280	U
	Xylene (para & meta)	280	U
5-01-4	Xylene (Ortho)	280	U
5-25-2	Bromoform	280	U
9-34-1	1,1,2,2-Tetrachloroethaue	280	U

Sample Container Type:

Analyzed using Low Level SW-846 5030. X

NJ Field Mcthanol Encore Sampler Field Bisulfate Preserved Soil

Analyzed using Medium Level SW-846 5035/5030B.

Analyzed using SW-846 5035/5030B.

FORM I VOA

Sub-sampled within 48 hours of receipt and analyzed using SW-846 5035. Analyzed using Low Level SW-846 5035.

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#### 1B

SAMPLE NO.

	STA		THEODO			CANAL THE MOT
Lab Name: EMSL A	NALYTICAL			Contract:	SIS DATA SHEE	0466-1
Project No.:		Site:		Location:		Стоир:
Matrix: (soil/watcr)	SOIL				Lab Sample ID:	0466-1
Sample wt/vol:		(g/mL	G		Lab File ID	: C7037.D
Level: (low/med)	LOW				Date Received:	
% Moisture: 12		deca	ated: (Y/N)	: <u>N</u>	Date Extracted:	2/11/05
Concentrated Extract V	olume:	1000	(uL)		Date Analyzed:	2/14/05
Injection Volume:	1.0	(uL)			Dilution Factor:	4.0
GPC Cleanup: (Y/N)	<u>N</u>		pł	ł:		<b>And and a</b>
				Concentration U	nits:	
CAS No.	Compound			(ug/L or ug/Kg)	ug/Kg	Q
91-20-3	Naphthalene				1500	U
208-96-8	Acenaphthyle	ene			1500	U
83-32-9	Accaaphthen	c		-	1500	U
86-73-7	Fluorene			<u> </u>	1500	

1500

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1500

1300

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85-01-08

120-12-7

206-44-0

129-00-0

56-55-3

218-01-9

205-99-2

207-08-9

50-32-8

193-39-5

53-70-3

191-24-2

Phenanthrene

Anthracene

Pyrene

Chrysene

Fluoranthene

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[k]fluoranthene

Indeno[1,2,3-cd]pyrene

Dibenz[a,h]anthracene

Benzo[g,h,i]perylene

Benzo[a]pyrene

	PCBA	,	CLIENT SAMPLE ID.			
Lab Name: <u>EMSL</u>	ANALYTICAL		Contract	t:	PC - 1	
Lab Code:	Case No.:	·······	SAS No.	:	SDG No.:	
Matrix: (soil/water)	Soil			Lab Sample ID:	466-1	
Sample wt/vol:	30.00	(g/mL)	9	_Lab File ID:	H0422	
% Moisture: <u>12</u>	de	canted: (Y/N)	N	Date Received:		
Extraction: (SepF/Cor	ntSonc)	Sonc		Date Extracted:	02/15/05	
Concentrated Extract	Volume:	<u>    10    (m</u>	1)	Date Analyzed:	02/23/05	
Injection Volume:	1	(uL)		Dilution Factor:	1	
GPC Cleanup: (Y/N)	N	_ pH:		Sulfur Cleanup: (Y/N)	)	Y
				H <sub>2</sub> SO <sub>4</sub> Cleanup: (Y/N)	-	Y
CAS NO.	COMPOUND		NCENTRATION U	JNITS:	ug/Kg	Q
12674-11-2	Aroclor-1015				38	U
1104-28-2	Aroclor-1221		ſ		38	- U
1141-16-5	Aroclor-1232		I		38	Ū
3469-21-9	Aroclor-1242				38	U
2672-29-6	Arocior-1248		ļ		38	U
1096-82-5	Arocior-1264		Ļ		38	U
1444-0210 - 1 - 1 - 1 - 1	AIUCIOF-1260		ŀ		120	
I/A = Not Applicable		*Re:	sults Reported or	n a Dry Weight Basis		· <u> </u>

U= Not detected

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FORM I PEST PCB

3/90

Chi 3 Ca TEL	ISL Analyti emistry Lab poper St., Westmo .: (856) 858-4800	-	Chain of Custody / Analysis Request Form       EMSL Project #01070946,         Print ALL Information. Put N/A in blanks not       Account Rep:																				
RE	PORT RES	ULTS TO:		SEND ]		01/	11	ro.	·····	<b></b>								100	1.00	1620	Y Y	toneci	.eu; ,
Nar	De: Raymo	ND DUCHAINES		Name:		UR	-E	IU:	<b>.</b>					T	URN	ARO	UND	TIM	E				i de la com
			1											1 D	ate Re	sults n	eeded	by:	21		03	rate ja-	<u> </u>
Add	iress 130	VISION, JNC. HICKMAN RO (	26)	Compan; Address	y E c	HS	) E	~~	vite A	, in	~ E X	UTAL	Juc	- St	andar	d Turi	larou	nd Tim					
						/ 1		10	<i>U</i> , <i>N</i>	6	120	DAL	>	T	he follo	wing	turna	round f	imes co				
City	LLAY MON	T State DE ZIP 1570	3		.0	_									] 4-5 d	AVE			72 Hr				:
TEL	: 302-751-59	39 FAX 202-791-9	C22 7	City De	<u>wra</u> 5,6-	- 44	7-	Stat 10 Zd		2 <u>7</u> 2	IP d	083	45		24 H	-	Ap	around	Maria		48		
	pled by: (Sign				27	<del>;}-</del> \$	-3-	F	AX:	83	56-4	147-1	0445	Pr	oject ]	D: F	CNA	NOS	e	مر مارانی	2		
Fai	lure to complete	- Ather				n Sh	ipm	ent:		Z	_				te of S	Samnle	Shin	ment:	> 1	0 0	<u>، الاجرام</u>	600	21
T		shaded areas will hinder pro	essing of a	amples.		M	ATR	ux	_		Meth	Hod Pr	eserve			pling	T			f			
	Sample	Station Location /Sample										<u> </u>				T.	+	T	T	Test Ne	eded		<del></del>
	Number	D D	COMP	GRAB	WATER	SOIL	AIR	SLUDGE	OTHER	HCL	ЧИО,	H,SO,	KE	OTHER	DATE	TIME	Vor's	Rint	Terr	TOTAL	TAH.	7.3	HAL
1.		PC-1	X	1	+	7			<u> </u>		_	<b></b>		0			12	NE VI	155	12 c	<b>P</b>	2	F
2.		PL-Z	X	<u> </u>		7						<u> </u>	<u> </u>		2/2/05		1	1/		1		V	+
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5.			+		<u> </u>														1	+	<u>+</u>	+	+
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	ed By																		<u> </u>				
STERAT	ure l	Date & Time Released	Delivery	Method	Rece	ived	By	t		ł.	Age	incy 1		D	ile & Ti	me Rec	eived	Cardia	DB Notes	ļ		[	
<i>M</i>	malin	710/05 1106			Sign	<sup>sture</sup>	1							1				Condic	100.10101	3			
/					-1				<u>-</u>			m		a11	10/03	- 1	1:06	<u>A</u>		8-	<u>_</u>		
Com	nenfs: All										1			<u>†</u>						100	acy-		]
VE. (9	JJELSEY SHEET P	DIL SAFE" LO DISPOSAL PALA INTERCHED)	GAN T METE	WSP. -S	Piens Déliv			(rpo)	ting	rčquli	emen	• <b>Þ</b> í	Result	ı Öbl	y 📑 2.	Results	and Q	C []3,	Reduced	Detivera	bles 'E	]4. Disk	

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# **DISPOSAL MANIFESTS**

#### Summary of Non-Hazarodus Waste Removed

ABC Barrel Company, 308-322 N. Front St., City of Camden, New Jersey 8,000-Gal. Diesel UST (AOC-B1)/1,000-Gal. Fuel Oil UST (AOC-B2)/1,000-Gal. Liquid Waste UST (AOC-B3)

Log #	Time	Date	Net Tons
7	7:49	3/3/2006	28.89
10	8:10	3/3/2006	28.43
11	8:13	3/3/2006	29.96
12	8:15	3/3/2006	31.87
24	9:01	3/3/2006	28.60
34	9:30	3/3/2006	28.71
35	9:32	3/3/2006	29.26
42	9:46	3/3/2006	29.35
43	10:09	3/3/2006	29.84
44	10:46	3/3/2006	30.21
45	10:48	3/3/2006	28.59
47	10:59	3/3/2006	25.10
49	11:14	3/3/2006	29.99
56	12:04	3/3/2006	30.40
59	12:21	3/3/2006	31.61
60	12:23	3/3/2006	27.11
62	12:30	3/3/2006	30.01
78	13:27	3/3/2006	29.26
80	13:32	3/3/2006	31.19
82	13:39	3/3/2006	28.93
83	13:41	3/3/2006	32.45
-	14:47	3/3/2006	32.84
98	14:53	3/3/2006	29.02
101	14:59	3/3/2006	24.79
		TOTAL	706.41

Note: All soils disposed of at Soil Safety Facility, in Bridgeport, New Jersey

	SOIL SAFE, INC.	Log Number
	SUL SAFE, INC.	." 
NON-HAZA	RDOUS MATERIAL	MANIFEST
	GENERATOR	
Generator Name		
Address	Address 30	2 North Front St
		Hunden NJ
Phone No		
Description of Materi		GROSS
Approval	Detuct	
Number Non-Regulated		ROSS         42.40 T         TARE           TARE         13.51 T         RECALLED
3021 Non DOT/RCR/	A Regulated	ET 28.89 T NET
		0G 子 TONNAGE 1 03/03/2006 07:4961
law, has been properly described, class according to applicable regulations.	Signature	•
	TRANSPORTER	
Transporter Name OHV TKetching	Driver Name (Pr	int) John Howers
Address U MAUREON W,	Vehicle License	No. / State / EPA No. 25/09335
BEHR UE	Truck Number	JV7-F20
I hereby certify that the above named ma picked up at the generator site listed above.	delivered withou	/ that the above named material was t incident to the destination listed below.
Driver Signature Ship	nent Date Driver Signature	Jeture 3-3-04
Ship:		Delivery Date
Site NameSoil Safe, Inc Brid		hone No <b>1-856-467-8030</b>
Address <b>378 Route 130 Logan Towns</b> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 ment only.	-	By Appointment only. Saturday by appoint-
I hereby certify that the above named material	has been accepted and to the l	pest of my knowledge the foregoing is true
and accurate.	- Gara	<u>n 33.06</u>
Name of Authorized Agent White - Facility Green - Facility Yellov	Signature	Receipt Date

Blue - Trucking Co.

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name <u>Renrose Roperfies</u> Address <u>312 - B. Fright Street</u> Cumilen NI		_ Generato _ Address _	r Site/Location 302 NOR 771 CAMDENI N 5	FROUNT ST
Phone No		Phone No	D	
[	Description of Material		ID 100	GROSS
Approval Number 3021	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		NET 28 LOG 10	35 T RECALLED
or any applicable state law, has been properl according to applicabl	e above named material does e law, is not a hazardous wast y described, classified and p e regulations.	e as define ackaged, a	ed by 40 CFR Part 26 and is in proper cor	of or any applicable state ndition for transportation
· · ·	TRAM	ISPORTER		
	RT.		me (Print) <u>T. HAR</u>	
Address BEAR DE		Vehicle License No. / State / EPA No. $\underline{AE294D} - N\overline{5}$		
		Truck Nun	nber	
I hereby certify that the picked up at the general	e above named material was tor site listed above. 3 - 3 - 06			ove named material was destination listed below.
Driver Signature	Shipment Date	Driver Sig	nature	<u>3-3-06</u> Delivery Date
	DES	TINATION		
Site Name	Soil Safe, Inc Bridgeport		Phone No1	-856-467-8030
No left turn on Rt. 130 No	e 130 Logan Township, NJ 0808 orth into the facility. day through Friday 7 AM to 5 PM.		0 PM By Appointment	only. Saturday by appoint-
I hereby certify that the al and accurate.	pove named material has been ac	cepted and	-	Nedge the foregoing is true $3 \rightarrow \Delta t$

Green - Facility

Goldenrod - Contractor

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1.1165

Log Number

**Receipt Date** 

## NON-HAZARDOUS MATERIAL MANIFEST

#### **GENERATOR**

Generator Name		Shipping Location		
	eadle Front-st		A STATE OF	1.e.e.
$c_{1}$	9-11. 19-11. 19-11.		A Contraction of the second se	
	8 AG.	Phone No.		
	Description of Material	ID	350	GROSS
Approval Number L-4 FoRI	Non-Regulated Petroleum Contaminated Soil	TA	065 42.79 T RF 12.63 T T 29.96 T	TARE RECALLED NET
	Non DOT/RCRA Regulated		; <b>( </b> 3/03/2006.0	TONNAGE 18:13an
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.			any applicable state on for transportation	
Generator Authorized A		PORTER	Onphient	Date
-	_			
Transporter Name			•	cha d
Address				d
		Truck Number ≲	ERRY-ESD	
I hereby certify that the picked up at the gener	ne above named material was ator site listed above.	• •		named material was tination listed below.
Priver Signature	Shipment Date	R. Driver Signaturé	ad	Z-Z-aL Delivery Date
	SOIL SAFE, INC. DEST	NATION		
Site Name	A78 Route 130 Logan Township, NJ 08085	Phone	e No	
- स्व पर हे स्व	(856) 467-8030			
Address I hereby certify that the is true and accurate.	above named material has been	accepted and to t	he best of my know	wledge the foregoing
		CARCIA		3.306
Name of Authorized Age	ent Signa	iture		Receipt Date

## NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR						
Generator Name	MALE Properties	_ Genera	ator Site/Locatio	n		
Address 302	Martil Front St	Addres	s (	and		
	when , W. S.		/ \			
Phone No.		_ Phone	No			
: :	Description of Material		ID 30:	8		GROSS
Approval Number L-4	Non-Regulated Petroleum Contaminated Soil		GROSS TARE NET		RECALLED	TARE NET
3021	Non DOT/RCRA Regulated		LOG 12			NNAGE
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.          Micmile Flowers       Muthorized Agent Name       Muthorized Agent Name       Signature       Signature						
Generator Authorized	Agent Name Sig	gnature		Shipment	Date	
TRANSPORTER         Transporter Name       TAT       TRUCKNG       Driver Name (Print)       ERWIE       MILOTTE						
Address 15 EAR Pe Vehicle License No. / State / EPA No. 6106177						
		Truck N	umber	-C /	(3	021
I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.						
<u>Juse</u> MU Driver Signature	The Milel 3-3-06 This Milel 3-3-06 Driver Signature Shipment Date Driver Signature Delivery Date			- 0 (e livery Date		
DESTINATION						

Site Name	Soil Safe, Inc Bridgeport	Phone No	1-856-467-8030
Address	378 Route 130 Logan Township, NJ 080	35	•
	Rt. 130 North into the facility. s are: Monday through Friday 7 AM to 5 PM.	5 PM to 10 PM By Appointme	ent only. Saturday by appoint-
· · ·	that the above named material has been ad	cepted and to the best of my kind $(-)$	nowledge the foregoing is true $3 - 3 - 2 \zeta$

Pink - Broker

Name of Authorized Agent

White - Facility

Green - Facility

-40

Signature Yellow - Generator

Goldenrod - Contractor

Blue - Trucking Co.

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name	Arise Properties	_ Generator Site/Location	
Address		302 1 hall 6 - 11	St-
		Consider NJ	•
Phone No		Phone No.	
· ·	Description of Material	ID 440	GROSS
Approval Number 2-4 3021	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS 42.11 T TARE 13.51 T RECALLE NET 28.60 T	TARE
· · ·		LOG 24 03/03/2006 09:01A	TONNAGE
or any applicable sta law, has been prope according to applica	ate law, is not a hazardous waste erly described, classified and pa ble regulations.	not contain free liquid as defined by 40 CFF e as defined by 40 CFR Part 261 or any app ackaged, and is in proper condition for tra	licable state
Michelle Floy Generator Authorized	Mrs Mul	gnature 3-3-06 Shipment Date	
Concrete Autor Autorized	-	NSPORTER	
Transporter Name	HV Trucktorg	Driver Name (Print) John Flowcas	<u>.</u>
Address 22 My	Alukeen Whef	Vehicle License No. / State / EPA No.	
SEAN	JE	Truck Number	
I hereby certify that the above named material was picked up at the generator site listed above.			
John Stan	un 3-3-04	- John Mayno	3-304-
Driver Signature	Shipment Date		Delivery Date
		STINATION	
	Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030	· · · · · · · · · · · · · · · · · · ·
No left turn on Rt. 130	-	5 PM to 10 PM By Appointment only. Saturday	by appoint-
I hereby certify that the and accurate.	above named material has been ac	Contract Con	poing is true

Milita Essilia.

Groop Encility

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a

Log Number

Blue - Trucking Co.

## NON-HAZARDOUS MATERIAL MANIFEST

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#### GENERATOR

Generator Name PENIDSE Properties		_ Generator Site/Location		
Address		Address 302 N. FROUX	17	
Address		CAMDEN XIS	1	
		Phone No.		
	Description of Material	10 100	GROSS	
Approval Number 30 2 1	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS 41.56 TARE 12.85 NET 28.71 LOG 34 03/03/2006	RECALLED	
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable law, has been properly described, classified and packaged, and is in proper condition for transport according to applicable regulations. <u>Manufe Flowers</u> Generator Authorized Agent Name Signature Signature <u>Signature</u>			r any applicable state on for transportation	
		SPORTER		
Transporter Name/	TAT	Driver Name (Print)	RIS	
Address BEAR DI	EL	Vehicle License No. / State / EPA N	O. AF2941D-NJ	
		Truck Number / 00		
I hereby certify that the above named material was picked up at the generator site listed above.		I hereby certify that the above delivered without incident to the des		
<u> </u>	<u> </u>	Driver Signature	<u> </u>	
Dilver gignature		STINATION		
Site Name	Soil Safe, Inc Bridgeport	Phone No. 1-856	6-467-8030	
No left turn on Rt. 130 N	<b>te 130 Logan Township, NJ 080</b> orth into the facility. nday through Friday 7 AM to 5 PM.	<ul><li>85</li><li>5 PM to 10 PM By Appointment only</li></ul>	. Saturday by appoint-	
I hereby certify that the a and accurate.	bove named material has been ad	ccepted and to the best of my knowledg	ge the foregoing is true $\overline{2}$ , $3$ , $0$	
Name of Authorized Age	nt Sign		Receipt Date	

Pink - Broker

Yellow - Generator

White - Facility

Green - Facility

Goldenrod - Contractor

.45

Name of Authorized Agent

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

GEN	
Generator Name Penne Property - Address 320 North Frant St	_ Shipping Location
Address 320 North Frank St	_ AddressA
Camber No.	
Phone No	Phone No.
	ID 750 GROSS
Description of Material	ID 350 GROSS
Approval Non-Regulated Petroleum	GROSS 42.09 T TARE TARE 12.83 T RECALLED
L Y Contaminated Soil	NET 29.26 1 NET
Non DOT/RCRA Regulated	LOG 35 TONNAGE 03/03/2006 09:32AM
or any applicable state law, is not a hazardous wast law, has been properly described, classified and p according to applicable regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state packaged, and is in proper condition for transportation
MAILACHERIA PERS MA Generator Authorized Agent Name /Sig	nature Shipment Date
TRAN	SPORTER
Transporter Name	Driver Name (Print) Runnel Recol
Address Rear peter	Vehicle License No./State 10 906 17
	Truck Number <u>SER 24-257</u>
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
Driver Signature Shipment Date	Driver Signature Delivery Date
378 Route 130	INATION
Site NameLogan Township, NJ 08085	Phone No.
Address	
I hereby certify that the above named material has bee is true and accurate.	in accepted and to the best of my knowledge the foregoing

Signature

1.1.1

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

	achenaron		
	Generator Site/Location		
Address 302 Mail Front	Address		
Cantden M.J.			
Phone No	Phone No.		
Description of Material	ID 308 GROSS		
Approval	eum GROSS 42.22 T TARE		
Number C	TARE 1207 T DECAULOR		
302/ Non DOT/RCRA Regu			
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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. MARCHERENE Signature Shipment Date			
	TRĂNSPORTER		
Transporter Name TAT TRUCK	U.6 Driver Name (Print) ERMIE MILETIE		
	Vehicle License No. / State / EPA No. 6177		
	Truck Number $OFC1$ (335)		
I hereby certify that the above named material picked up at the generator site listed above.	was I hereby certify that the above named material was delivered without incident to the destination listed below.		
Thus Might 3-3-3-6 Driver Signature Shipment D	Date Driver Signature Delivery Date		
Driver Signature Shipment Date Driver Signature Delivery Date DESTINATION			
Site Name Soil Safe, Inc Bridgepor	t Phone No <b>1-856-467-8030</b>		
Address <b>378 Route 130 Logan Township, N</b> No left turn on Rt, 130 North into the facility.	•		
I hereby certify that the above named material has be and accurate.	een accepted and to the best of my knowledge the foregoing is true		

Green - Facility

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MANG TH

Log Number

### **NON-HAZARDOUS MATERIAL MANIFEST**

#### **GENERATOR**

	niese Properties	Generator Site/Location Address <u>302</u> Nach Fo Cander NE	est st T
Phone No		_ Phone No	
Approval Number 29 3021	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	ID 440 GROSS 43.35 I TARE 13.51 I R NET 29.84 I LOG 43 03/03/2006 10	
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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. <u>MCWHE FIGURE</u> <u>MUMULUE</u> <u>3-3-06</u> Generator Authorized Agent Name Signature Shipment Date			
TRANSPORTER			

Transporter Name Address

Driver Name (Print) John Flowers Vehicle License No. / State / EPA No. U Truck Number \_  $\mathcal{L}$ 

I hereby certify that the above named material was picked up at the generator site listed above.

Green - Facility

I hereby certify that the above named material was delivered without incident to the destination listed below.

anno Shipment Date Driver Signature Deliverv Date Driver Signature

-20

DESTINATION

Site Name _	Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address	378 Route 130 Logan Township, NJ 0808	5
No left turn o	n Rt. 130 North into the facility. Irs are: Monday through Friday 7 AM to 5 PM.	5 PM to 10 PM By Appointment only. Saturday by appoint-
I hereby certi and accurate		cepted and to the best of my knowledge the foregoing is true

White - Facility

Goldenrod - Contractor

MACIN

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name		Shipping L	ocation	
Address 302 A	Josh Front	_ Address _	5Augo	
Consta	Sul n Ins		and the second second second second	
	······································	Phone No.		
	Description of Material		10 350	GROSS
Approval Number 202	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		GROSS 43.04 TARE 12.83 NET 30.21	T RECALLED NET
			LOG (4 4 03/03/2006	
or any applicable stat law, has been prope according to applicable	he above named material does e law, is not a hazardous waste rly described, classified and p le regulations.	e as define backaged, a	d by 40 CFR Part 261 o ind is in proper condit	r any applicable state ion for transportation
		SPORTER		
Transporter Name	<u>47</u>	Driver Na	me (Print) <u>Redeard M</u>	reel
Address		Vehicle Lic	cense No./State 10 %	162
			nber $SERZY$	
I hereby certify that t picked up at the gener	he above named material was rator site listed above.		certify that the above without incident to the de	
Driver Signature	Shipment Date	Driver Sig	nature	Delivery Date
		INATION		
Site Name	SOIL SAFE, INC. 378 Route 130		Phone No	
	Logan Township, NJ 08085 (856) 467-8030			
I hereby certify that this true and accurate.	e above named material has bee	n accepted	and to the best of my kr	rowledge the foregoing

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47

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N 6 2 24

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name PUTTOSE PLOPETTES	_ Generator Site/Location
Address	Address 302 N. FROUNT
	Generator Site/Location Address <i>302 N. FROUNT</i> GAMPEN NS
	_ Phone No
Description of Material	ID 100 GROSS
Approval Non-Regulated Petroleum	GR055 41.44 T TARE
2021 Contaminated Soil	TARE 12.85 T RECALLED NET
Non DOT/RCRA Regulated	LOG 45 TONNAGE 03/03/2006 10:48年
or any applicable state law, is not a hazardous wast law, has been properly described, classified and p according to applicable regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation $\frac{3-3-06}{\text{Shipment Date}}$
· ·	NSPORTER
Transporter NameAT	
Address BEAR DEL	Vehicle License No. / State / EPA No. AF2947D - N 5
; · · · ·	Truck Number
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
	<ul><li>85</li><li>. 5 PM to 10 PM By Appointment only. Saturday by appoint-</li></ul>
ment only.	

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Yellow - Generator

Green - Facilitv

Goldenrod - Contractor Blue -

Blue - Trucking Co.

Log Number

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## NON-HAZARDOUS MATERIAL MANIFEST

	GENE	RATOR	
Generator Name RUNIOSE	Moverties.	Generator Site/Location	<u></u>
Address <u>502 N. Frank</u>	Ε	Address	
Canden			
		Phone No	
Approval Number 2-7 307.1		10 308	ROSS TARE NET
or any applicable state law, is no	t a hazardous waste d, classified and pa ns. MUMMATA	as defined by 40 CFR Part 261 or any applicat ckaged, and is in proper condition for transp MMM 3-3-00 hature Shipment Date	ble state
	TRAN	SPORTER	
Transporter Name TAT 7 Address DEAL T	»e	Driver Name (Print) $\underline{EDWIE}$ $\underline{MILOT}$ Vehicle License No. / State / EPA No. $\underline{c1067}$ Truck Number $\underline{OFC1}$ (30)	<u>127</u>
I hereby certify that the above na picked up at the generator site liste		I hereby certify that the above named mate delivered without incident to the destination listed	
This Mulado	<u>3-3-06</u> Shipment Date	Driver Signature Deliv	very Date
0	DES	TINATION	
Site Name Soil Safe, I	nc Bridgeport	Phone No. 1-856-467-8030	
No left turn on Rt. 130 North into the	an Township, NJ 0808 facility. Friday 7 AM to 5 PM.	5 PM to 10 PM By Appointment only. Saturday by a	appoint-
• •	l material has been ac	cepted and to the best of my knowledge the foregoin	g is true
and accurate.		Gara 330	6
Name of Authorized Agent	Signa		ite

Green - Facility

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#### NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name	MOSE PILITICS	Generator Si		
	. *	Address <u>3</u>	CAMICLEN	NJ
Phone No.		Phone No.		
Approval Number 24 3021	Description of Material Non-Regulated Petro Contaminated So Non DOT/RCRA Regu		ID 440 GROSS 43.50 T TARE 13.51 T NET 29.99 T LOG 49 03/03/2006 T	RECALLED NET
or any applicable stat	was 1	waste as defined t and packaged, and	by 40 CFR Part 261 or	r any applicable state on for transportation -06
		TRANSPORTER		
Transporter Name	THV TRUKERNY	Driver Name	(Print) JOHN FL	OWERS

Transporter Name JAV TRUCKING	Driver Name (Print) JOHN Flowers
	Vehicle License No. / State / EPA No. DE/09335
	Truck Number
I hereby certify that the above named material was	I hereby certify that the above named material was

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

5-3-04	
Shipment Date	

Valiow - Generator

).	11	
	$\sim M_{\rm H}$	2 2 3/
form	former	<u>5-5-06</u>

delivered without incident to the destination listed below.

Driver Signature <sup>1</sup>

**Delivery Date** 

D	ES	ST.	IN	A	ПС	DN	

1-856-467-8030 Soil Safe, Inc. - Bridgeport Phone No. Site Name 🔜 378 Route 130 Logan Township, NJ 08085 Address No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. 96

Pink - Broker

MARLING CONSIGNA

**Receipt Date** Blue - Truckina Co.

Goldenrod - Contractor

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## NON-HAZARDOUS MATERIAL MANIFEST

#### CHED ATOD

	GEN	EHATOR	
Generator Name	hibs & Progerties	Shipping Location	
Address 202	Nasth Front	Address	and the second se
مسید در ۲۰۰۰ می مرکز میکنی میکند. مرکز میکنی	Levent		
- 0		and the second	
	Description of Material	10 350	GROSS
Approval Number L-4 3021	Non-Regulated Petroleum Contaminated Soil		23 T TARE 83 T RECALLED NET
2061	Non DOT/RCRA Regulated	LOG SG	
law, has been proper	NUP OS MALAN	ackaged, and is in proper co	ondition for transportation
	TRANS	PORTER	
Transporter Name	141	Driver Name (Print)	NR and
· · · · · ·	Del	Vehicle License No./State	164
		Truck Number <u>SER 2</u>	1-253
I hereby certify that t picked up at the gene	the above named material was rator site listed above.	I hereby certify that the at delivered without incident to th	
Red Red	nd (	Ser Maal	5-3-00
Driver Signature	Shipment Date	Driver Signature	Delivery Date
	SOIL SAFE, INC. DESTI	NATION	

378 Route 130 Logan Township, NJ 08085 ÷ Site Name Phone No. (856) 467-8030 Address 1.4 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate....

		<u> </u>	En rain			2 m /
Name of Authorized Agent		Sign	ature			Receipt Date
White - Facility	Green - Facility	Yellow – Generator	Pink – Broker	Goldenrod – Contractor	Blue - Trucking Co.	

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

Nur	GENI	ERATOR
Generator Name	Nose Properties	Generator Site/Location
Address 302	- W Front St.	_ Address
Phone No.		Phone No
	Description of Material	ID 308 GROSS
Approval Number	Non-Regulated Petroleum Contaminated Soil	GROSS         44.48 T         TARE           TARE         12.87 T         RECALLED           NET         31.61 T         NET
3021	Non DOT/RCRA Regulated	LOG SO TONNAGE
or any applicable sta law, has been prope according to applicable	te law, is not a hazardous wast rly described, classified and p ble regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation
Generator Authorized	<u>MACS</u> MACAU	Inature 3-3-06 Shipment Date
		NSPORTER
Transporter Name Address <i>BD</i>	AT TRACKING	Driver Name (Print) $FRUE MUGTTE$ Vehicle License No. / State / EPA No. 206 177
I hereby certify that t picked up at the gener	he above named material was rator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature	3-3-3-06 Shipment Date	Driver Signature Delivery Date
	DES	STINATION

 Site Name
 Soil Safe, Inc. - Bridgeport
 Phone No.
 1-856-467-8030

 Address
 378 Route 130 Logan Township, NJ 08085

 No left turn on Rt. 130 North into the facility.

 Business hours are: Monday through Friday 7 AM to 5 PM.
 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

Name of Authorized Agent

HARME HELDER

- Orace Consilies

Signature

Vallow Concentor

(a)

Dink - Rrokar

Goldenrod - Contractor Blue - Trucking Co

3306

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

GE	Ν	E	R	A	Т	0	R

	GENE	ERATOR			
Generator Name	POSE PROPETHES	Generator Site/Lo	cation <u>3</u>	20 N.F	ROUNT
Addross		Address	?AMDE	NNE	
Address				······································	
					······································
Phone No.		Phone No			
ſ	Description of Material		ID 100		GROSS
Approval	Non-Regulated Petroleum		GROSS E	9.96 T	TARE
Number	Contaminated Soil			2.85 T	
3021	Non DOT/RCRA Regulated		$c \in \mathbb{N}$		
· ·	NOT DO THOMA Regulated		03/03/	2006 1	2:23PN
law, has been properl according to applicabl	e law, is not a hazardous waste y described, classified and pa e regulations. S gent Name	ackaged, and is ir	n proper co	ondition fo	r transportation
		ISPORTER		. /	
Transporter Name	AT.	Driver Name (Print	t) <u> </u>	TARRIS	
Address BFAR	Drie	Vehicle License No	o. / State / E	PA No. AI	294D-NS
		*			
I hereby certify that th picked up at the genera	e above named material was tor site listed above. <u>3-3-06</u> Shipment Date	I hereby certify delivered without ////////////////////////////////////	incident to t	he destinati	ed material was on listed below. <u>3-06</u> Delivery Date
	*	TINATION			
	Margan States and States	Pho	one No	1-856-467-	8030
No left turn on Rt. 130 No Business hours are: Mon ment only.	day through Friday 7 AM to 5 PM.	5 PM to 10 PM By			
I hereby certify that the a and accurate.	bove named material has been ac	cepted and to the be	est of my kno	owledge the	foregoing is true

Groon - Eacility

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Pink - Broker

CARINEN

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3.06

Log Number

## **NON-HAZARDOUS MATERIAL MANIFEST**

	GENE	RAIOR		ĩ	
Generator Name PLAIDSE	Properties	Generator Site/L			
Address		Address 3	2 NOK	the PRent	LSK
		Address <u>30</u>	nder	NT	
Phone No		Phone No			
Descri	ption of Material		ID 440		GROSS
Approval Number	Non-Regulated Petroleum			3.52 T	TARE
44	Contaminated Soil		TARE 1	3.51 T RECAL 0.01 T	LED NET
3021 N	Non DOT/RCRA Regulated		LOG (7 03/03/2	2006 12:3	
according to applicable regional	S MMMU Iame Sig	MALLE Intature INSPORTER		3-3-06 Shipment Date	
THI			·	SLD FO	1.157 8
Transporter Name <u>J</u> JV Address <u>22</u> M DWF	TRACKING	Driver Name (Pri	int) <u> </u>	NAN NE/	19275
Address <u>26 M Durk</u>	pan WHY	Vehicle License	No. / State /	EPA Nov <u>~</u>	<u> </u>
DEAL D	)E.	Truck Number	$ \exists V $	1- 7-60	
I hereby certify that the abo picked up at the generator site	ve named material was e listed above.	I hereby certify delivered withou	y that the it incident to	above named the destination	material was listed below.
Janu Alen	m) 3-3-06	John	Am	MM	3-3-06
Driver Signature	Shipment Date	Driver Signature	;		Delivery Date
,		STINATION			
Site Name Soil S			hone No	1-856-467-803	30
Address 378 Route 130	Logan Township, NJ 0800	85	<u></u>		

No left turn on Rt. 130 North into the facility.

1 1 1

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

White - Facility

Green - Facility

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Pink - Broker

CHENCLA

Blue - Trucking Co. Goldenrod - Contractor

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Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Address 226		Shipping Loca	tion		
Sector The	on at	Phone No			
Approval	Description of Material		19 350		GROSS TARE
Number <u> </u> <u> </u>	Non-Regulated Petroleum Contaminated Soil		GRUSS 4 TARE 1 NET 2	2.831	
	Non DOT/RCRA Regulated		0678 03/03/2	2 <b>00</b> 6 01	TONNAGE
or any applicable sta law, has been prop according to applica	the above named material does ate law, is not a hazardous waste erly described, classified and p ble regulations.	a as defined by ackaged, and	y 40 CFR Pa	irt 261 or ar	ny applicable state

Munelle Flagent Name Mu	gnature 2-2-06 Shipment Date
TRAI	ISPORTER
Transporter Name	Driver Name (Print) Richard Road
Address Bert	Vehicle License No./State 109067
·	Truck Number
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
	Driver Signature Delivery Date
SOIL SAFE, INC. DES	TINATION
SOIL SAFE, INC.         DES           378 Route 130         378 Route 130           Site Name         ogan Township, NJ 08085           (856) 467-8030         467-8030	Phone No.
Address	
I hereby certify that the above named material has be is true and accurate. <sup>12,12,12,12</sup>	en accepted and to the best of my knowledge the foregoing
500 N. (1)	(oara 3. 3. 01

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Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name       Image: Address       Generator Site/Location         Address       302       Image: Address         Image: Address       Address         Image: Address       Address         Image: Address       Image: Address         Ima
Condent M.S       Phone No.         Phone No.       Phone No.         Description of Material       ID 308       GROSS         Approval Number       Non-Regulated Petroleum       GROSS       44.06 I       TARE         ID 302       Non-Regulated Petroleum       TARE       12.877 I       RECALLED       TARE         ID 302       Non DOT/RCRA Regulated       Non COT/RCRA Regulated       Non Regulated       Non Regulated       Non Regulated
Phone No.       Phone No.         Description of Material       ID 308       GROSS         Approval Number C-Y       Non-Regulated Petroleum Contaminated Soil       ID 308       GROSS         38 21       Non DOT/RCRA Regulated       Non Solution       Non Solution
Ápproval Number C-YNon-Regulated Petroleum Contaminated SoilGR0SS TARE 12.87 T RECALLED NET 30 2/44.06 T TARE 
Number     Non-Regulated Petroleum     TARE     12.87 T     RECALLED       C-Y     Contaminated Soil     NET     31.19 T     NET
03/03/2006 01:32TONNAGE
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.1 or any applicable state law, 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.
TRANSPORTER
Transporter Name TAT TRICKOUL Driver Name (Print) FANIE MILOTIC
Address       PEAR       P-4       Vehicle License No. / State / EPA No.        Image: Page / Page
I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date Driver Signature Delivery Date
DESTINATION
Site Name Soil Safe, Inc Bridgeport Phone No 1-856-467-8030
Address <u>378 Route 130 Logan Township, NJ 08085</u> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- ment only.
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent     Signature     Receipt Date

Name of Authorized Agent White - Facility

Green - Facility

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Goldenrod - Contractor Blue - Trucking Co.

Signature Yellow - Generator Pink - Broker

## NON-HAZARDOUS MATERIAL MANIFEST

	GENERATOR		
Generator Name PChrose Propertie	S Generator S	ite/Location	
Address 32 N. Front St.	Address	,	
Camden NS		Same	
Phone No.	Phone No.		
Description of Mater	ial	10 100	GROSS
Approval Number 322 Non DOT/RCR	ted Soil	GROSS 41.78 T TARE 12.85 T REC NET 28.93 T LOG $82$ 03/03/2006 01:3	ALLED
I hereby certify that the above named ma or any applicable state law, is not a haza law, has been properly described, class according to applicable regulations.	rdous waste as defined ified and packaged, and	by 40 CFR Part 261 or any I is in proper condition fo	applicable state or transportation
	TRANSPORTER		
Transporter Name		(Print) FARRIS	
Address <u>BEAR DEC</u>	Vehicle Licer		
I hereby certify that the above named mapicked up at the generator site listed above	. delivered wit	ertify that the above name thout incident to the destinati (	on listed below.
	DESTINATION		
Site Name Soil-Safe, Inc Brid	lgeport	Phone No <b>1-856-467-</b>	8030
Address <b>378 Route 130 Logan Towns</b> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 ment only.		PM By Appointment only. Satur	rday by appoint-
I hereby certify that the above named materia and accurate.			
Name of Authorized Agent	<u>)                                    </u>	<u>Clip</u> Re	<u>⊃ + 3 () (</u> eceipt Date

Green - Facility

Yellow - Generator

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Pink - Broker Goldenrod - Contractor

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name	Irtse Prigerties	Generator Site/Location	
Address	<b>V</b>	Address <u>302 adorth Front</u> S CAMDEN NET	$\succeq$
		CAMDEN NET	
Phone No.		Phone No.	
	Description of Material	ID 440 GROS	s
Approval Number	Non-Regulated Petroleum	GRUSS 45.96 T TAR	E
3021	Contaminated Soil Non DOT/RCRA Regulated	TARE 13.51 T RECALLED NET 32.45 T NE	т
		LOG 83 TONNAG 03/03/2006 01:41PM	E
or any applicable state	y described, classified and pa	not contain free liquid as defined by 40 CFR Part 260 e as defined by 40 CFR Part 261 or any applicable st ackaged, and is in proper condition for transportat	-+-
<u>Generator</u> Authorized A	vr 15 MM gent Name Sigr	Inature Shipment Date	
		SPORTER	
Transporter Name <u></u>	AU TRUCKER	Driver Name (Print) John Flavers	

Address 22 MAURCEN WAY BEAN DE	Vehicle License No. / State / EPA No. DE /09325 Truck Number
I hereby certify that the above named material was picked up at the generator site listed above. 3-3-04	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
DES	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. <b>1-856-467-8030</b>

378 Route 130 Logan Township, NJ 08085 No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointnent only.

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

Pink - Broker

Name of Authorized Agent White - Facility

Green - Facility

Address

Goldenrod - Contractor

SATCH

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## NON-HAZARDOUS MATERIAL MANIFEST

#### **GENERATOR**

Generator Name <u><u><u></u></u><u><u><u></u><u></u><u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	NOSE Properties	_ Shipping Lo		···		
- <u>Ca</u> M / Phone No	ten nut	Phone No.	Careful Contraction			
Approval Number 24 3621	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		NET	45.67   12.83   32.84	RECALLED	-
or any applicable sta	the above named material does in ite law, is not a hazardous waste arly described, classified and p ple regulations.	e as defined ackaged, an	by 40 CFR	Part 261 or	any applicable sta	te

1

Generator Authorized Agent Name HULLS	ignature 3-2-00 Shipment Date
	NSPORTER
Transporter Name	Driver Name (Print) Richard Road
Address <u>Bear Def</u>	Vehicle License No./State 109067
	Truck Number SER24-300
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Released 2-3-3-36 Driver Signature Shipment Date	Priver Signature
SOIL SAFE, INC. DES	TINATION
378 Route 130 Site Name	Phone No
is true and accurate.	en accepted and to the best of my knowledge the foregoing
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Andi 2

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White - Facility

Green - Facility

Yellow - Generator

Pink - Broker

Goldenrod - Contractor

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Blue - Trucking Co.

## NON-HAZARDOUS MATERIAL MANIFEST

	NERATOR
Generator Name PEATOSE Properties	Generator Site/Location
Address 302 N Front St.	Address ~ M 0
Address 302 W Front St. Campler, W.J.	
Phone No.	Phone No
Description of Material	ID 308 GROSS 41.89 T
Approval Non-Regulated Petroleum	
Contaminated Soil	
$\int \mathcal{D} \mathcal{L} I$ Non DOT/RCRA Regulate	
Iaw, has been properly described, classified and according to applicable regulations.         Image: App	ste as defined by 40 CFR Part 261 or any applicable state packaged, and is in proper condition for transportation <i>UMANA 3-3-06</i> Signature Shipment Date
Transporter Name $TAT TRUCICUNG$	$\mathcal{O}$
Address <u>BEATR</u> , PO	
	Truck Number $OFC / (30S)$
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature
Driver Signature Shipment Date	Driver Signature Delivery Date
	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address <u>378 Route 130 Logan Township, NJ 08</u> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM ment only.	085 <i>I</i> . 5 PM to 10 PM By Appointment only. Saturday by appoint-
and accurate	accepted and to the best of my knowledge the foregoing is true $3-3-06$
	nature Receipt Date

and the Contraction of the second sec			Log Number
	SOIL	SAFE, INC.	
	NON-HAZARDOUS		
Po	GEN hrose properties	IERATOR	
Generator Name $\underline{V}$	inværigernes	_ Generator Site/Location	n
Address		_ Address <u>3 20</u> ,	NTRONTST
		_ CAMI	DEN NIS
Phone No		_ Phone No	
	· .		
Approval	Description of Material		) GROS
Number	Non-Regulated Petroleum	GROSS	37.64 T TAR
3021	Contaminated Soil	I I IAKE	12.85 T RECALLED 24.79 T NET
ارمین است. ب	Non DOT/RCRA Regulated		/ TONNAGE
· · ·		03/03	2006 02:59M
or any applicable st law, has been prop according to applica MULLE FIG Generator Authorized	Agent Name Sign	ackaged, and is in prop	Part 261 or any applicable state per condition for transportation
law, has been prop according to applica	erly described, classified and parable regulations.	ackaged, and is in prop	Part 261 or any applicable state per condition for transportation
law, has been prop according to applica	erly described, classified and parable regulations.	Ackaged, and is in prop	Part 261 or any applicable state oer condition for transportation <u>3 - 3 - U</u> Shipment Date
law, has been prop according to applica MULL Flby Generator Authorized	erly described, classified and parable regulations.	Ackaged, and is in prop	Part 261 or any applicable state oer condition for transportation 3 - 3 - 4 Shipment Date
Iaw, has been prop according to applica MICHE FIG Generator Authorized	erly described, classified and parable regulations. WUS Agent Name TRAN DEC	Ackaged, and is in prop	Part 261 or any applicable state over condition for transportation 3 - 3 - 4 Shipment Date MRRIS te / EPA No. <u>AFRAD</u> - NS
Iaw, has been propaction         according to application         Address	erly described, classified and parable regulations. WUS Agent Name TRAN DEC	Ackaged, and is in prop	Part 261 or any applicable sta per condition for transportation 3 - 3 - 4 Shipment Date THARRIS te / EPA No. <u>AFRAD- NS</u>
Iaw, has been propaction         according to application         Address	erly described, classified and parable regulations. WUS Agent Name MUS TRAN DEC the above named material was	Ackaged, and is in prop	Part 261 or any applicable state per condition for transportation 3 - 3 - 46 Shipment Date T. HARRIS te / EPA No. AFRED- NS De above named material
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Iaw, has been propactor         according to application         Address         Address         BEAR         I hereby certify that the picked up at the generation	erly described, classified and parable regulations. WUS Agent Name MAT DEC the above named material was rator site listed above. 3 - 3 - 06	Ackaged, and is in prop	Part 261 or any applicable state per condition for transportation 3 - 3 - 4 Shipment Date Shipment Date te / EPA No. <u>AF244D- NS</u> he above named material was t to the destination listed below. 3 - 3 - 06
Iaw, has been propaction         according to applica         Address         Transporter Name         Address         BEAR         I hereby certify that the picked up at the gener         Driver Signature	erly described, classified and parable regulations. WUS Agent Name MAT DEC the above named material was rator site listed above. 3 - 3 - 06 Shipment Date DEST	Ackaged, and is in prop	Part 261 or any applicable state 3 - 3 - 46 Shipment Date 5 - 46 Shipment Date 5 - 46 5 - 46 Delivery Date
law, has been propactor         according to applica         Address         Transporter Name         Address         BEAR         I hereby certify that the picked up at the gener         Driver Signature         Site Name	erly described, classified and parable regulations. WUS Agent Name MT DEC TRAN DEC Shipment Date DEST Soil Safe, Inc Bridgeport	Ackaged, and is in prop	Part 261 or any applicable state 3 - 3 - 46 Shipment Date 5 - 46 Shipment Date 5 - 46 5 - 46 Delivery Date
Iaw, has been propactor         according to applica         Address         Transporter Name         Address         J         hereby certify that the picked up at the gener         Driver Signature         Site Name         Address         378 Rout	erly described, classified and parable regulations. WUS Agent Name TRAN MAT DEC the above named material was rator site listed above. <u>3-3-06</u> Shipment Date DEST Soil Safe, Inc Bridgeport the 130 Logan Township, NJ 08085	Ackaged, and is in prop	Part 261 or any applicable state 3 - 3 - 46 Shipment Date 5 - 46 Shipment Date 5 - 46 5 - 46 Delivery Date
Iaw, has been propactor         according to applica         Address         Transporter Name         Address         J         hereby certify that the picked up at the gener         Driver Signature         Site Name         Address         378 Rou         No left turn on Rt. 130 N	erly described, classified and parable regulations. WUS Agent Name TRAN MAT DEC the above named material was rator site listed above. <u>3-3-06</u> Shipment Date DEST Soil Safe, Inc Bridgeport the 130 Logan Township, NJ 08085	Ackaged, and is in prop	Part 261 or any applicable state per condition for transportation 3-3-46 Shipment Date ARRIS te / EPA No. AFRAD- NS he above named material was t to the destination listed below. 3-3-06 Delivery Date 1-856-467-8030
law, has been propaccording to applica         According to applica         Address         Address         J         hereby certify that the gener         Driver Signature         Site Name         Address <b>378 Rou</b> No left turn on Rt. 130 N         Business hours are: Mornent only.	erly described, classified and parable regulations. WAS Agent Name Agent Name TRAN TRAN DEC the above named material was rator site listed above. <u>3-3-06</u> Shipment Date DEST Soil Safe, Inc Bridgeport te 130 Logan Township, NJ 08085 Iorth into the facility	ackaged, and is in prop         Alle Alle Alle         Isporter         Isporter         Driver Name (Print)	Part 261 or any applicable state per condition for transportation 3 - 3 - 46 Shipment Date $- \frac{1-856-467-8030}{1-856-467-8030}$
law, has been propaccording to applica         According to applica         Address         Address         J         hereby certify that the gener         Driver Signature         Site Name         Address <b>378 Rou</b> No left turn on Rt. 130 N         Business hours are: Mornent only.	erly described, classified and parable regulations. WUS Agent Name WUS Agent Name TRAN MT DEC TRAN DEC TRAN DEC TRAN DEC TRAN DEC TRAN DEC Shipment Date DEST Soil Safe, Inc Bridgeport te 130 Logan Township, NJ 08085 North into the facility. Inday through Friday 7 AM to 5 PM. above named material has been acce	Ackaged, and is in prop	Part 261 or any applicable state per condition for transportation 3 - 3 - 46 Shipment Date $- \frac{1-856-467-8030}{1-856-467-8030}$

# Subcontractor Documentation/Costs

#### REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC. 6901 KINGSESSING AVENUE PO BOX 33342 PHILADELPHIA, PA 19142 (215) 729-3220 (215) 729-2777

CUSTOMER NO : 02-EHS

0057424-IN

Cooper Grant Project Camden, NJ

Page: 1

EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062

ATTN: Jack Carney

03/15/2006 7274-002 BUZA

Disposal of Impacted Soils

0.00	AMOUNT :	ORIGINAL CONTRACT
0.00	AMOUNT :	TAXABLE
33,775.63	AMOUNT :	NON - TAXABLE
33,775.63	INVOICE:	AMOUNT BILLED THIS B
33,775.63	E TOTAL:	INVOICE

Note: Please remit payment to our new address REPSG, Inc. P.O. Box 5377 Philadelphia, PA 19142

UPON RECEIPT

Continued

£.,

F1 6.97 . . .

#### REACT ENVIRONMENTAL PROFESSIONAL SERVICES GROUP, INC. 6001 KINGSESSING AVENUE PO BOX 33342 PHILADELPHIA, PA 19142 (215) 729-3220 (215) 729-2777

0

		0057424-IN
EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062	Cooper Grant Project Camden, NJ	
ATTN: Jack Carney		Page: 1
03/15/2006 7274-002		
FEE SCHEDULE		
-Disposal Management and		
Approval Coordination:		500.00
-Soil Disposal, including transportation	,	500.00
706.41 tons @ \$43/ton:		30,375.63
-Equipment Mobilization/Demobilization:		500.00
-Loading of Contaminated Soil,		
1 day @ \$2,400/day:		2,400.00
	3	

UPON RECEIPT

Amount Due: 33,775.63

-----

## **APPENDIX G**

Disposal Manifest – AOC-E/G/O (EHS Environmental Inc., April 10, 2006)

# EHS ENVIRONMENTAL, INC.

9 SOUTH MAIN STREET • MULLICA HILL, NJ • 08062 856-223-0080 FAX 856-223-0885

April 10, 2006

Mr. Charles Lewis Pennrose Properties, LLC One Brewery Park 1301 N. 31<sup>st</sup> Street Philadelphia, PA 19102-4495

Re: Cooper Grant, 308-322 N. Front Street, Camden, NJ

Dear Mr. Lewis:

Enclosed please find the disposal manifests for the soil associated with the Areas of Concern from the Cooper Grant Site located in Camden, New Jersey. This includes the removal of all contaminated soil associated with the following Areas of Concern:

	F	PROPOSED			ACTUAL		
AREA OF CONCERN	AREA (FT2)	DEPTH (FT)	VOL (CY)	AREA (FT2)	DEPTH (FT)	VOL (CY)	
AOC-001: O/W Separator	2700	0.5	50	2700	0.5	20**	
AOC-002: Drum Storage	1080	6	240	1080	6	240	
AOC-003: Concrete Pit	190	8	56	190	8	56	
AOC-004: 10,000 g UST	225	10	83	1500	12	667	
AOC-005: 1,000 g UST	190	8	56	190	10	70	
AOC-006: Trench Area	1200	6	267	1200	6	267	
TOTAL			753	1200		1300	

\*\*NOTE: An Additional 30 yards excavated from this area overlapped with AOC-004.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Jack F. Carney

Cc: Terrence M. Vogt, Remington & Vernick Olivette Simpson, Camden Redevelopment Authority

#### SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name	Generator Site/Location		
Address Front St.	Address SAme		
Camden NT			
Phone No.	Phone No.		
Description of Material	ID 350 GROSS		
Approval NumberNon-Regulated PetroleumL-4Contaminated Soil	GROSS 32,50 L GROSS TARE 12,83 TAREALED TARE		
3021 Non DOT/RCRA Regulated	03/30/2006:07:384 ONNAGE		
or any applicable state law, is not a hazardous waste	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation $3 \cdot 3 \cdot 0 - 06$ Shipment Date		
TRAN	ISPORTER		
Transporter Name TAT Address <u>Bear De J</u>	Driver Name (Print) Richard Reed		
	Truck Number <u>SER 24-350</u>		
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.		

Red	uplies 3-30-06 Que	all back	3-30-06
Driver Signat	ture Shipment Date Driver	Signature	Delivery Date
	DESTINATIO	ON	
Site Name	Soil Safe, Inc Bridgeport	Phone No	1-856-467-8030
Address	378 Route 130 Logan Township, NJ 08085		
No left turn or	Rt. 130 North into the facility.	k	

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

			Garci	G	33006
Name of Authorized Agent	2 C	Sigr	nature		Receipt Date
White - Facility	Green - Facility	Yellow - Generator	Pink - Broker	Goldenrod - Contractor	Blue - Trucking Co.

<u>е</u> , а.		$\int_{0}^{\infty} d^{2} \mathbf{r}  \mathbf{r}  \frac{\mathbf{r}}{2}  \mathbf{r}  \frac{\mathbf{r}}{2}  \mathbf{r}  \frac{\mathbf{r}}{2}  \mathbf{r}  \frac{\mathbf{r}}{2}  \mathbf{r}  $	Log Number
iai ate	SOIL SAF		
ê.	NON-HAZARDOUS M	ATERIAL MANIFI	EST
	GENER	ATOR	
Generator Name EA	15 Environmentel		
Address 302	NI FRONT, ST AN	idress	
CAMI	<u>B</u> Éhuronmuße <u>NI FRONT, ST</u> DEN NU		
Phone No.	, Pr	ione No.	
	Description of Material	10 102	GROSS
Approvai Number	Non-Regulated Petroleum	GROSS	37.1344
3021	Contaminated Soil	NET	12.504 RECALLED
9	Non DOT/RCRA Regulated	inc 2	
			/2006107478
Generator Authorized A	gent Name Signatu TRANSPO		Shipment Date
Transporter Name	TAT	river Name (Print)	Interior
Address Bert			+=40
		ehicle License No. / Sta	107
L hereby certify that th		-	
picked up at the genera		elivered without incident	e above named material was to the destination listed below.
HACK	J 3-30-06	HACHO	7 3-30-06
Driver Signature	Shipment Date Dr	iver/Signature	Delivery Date
	DESTINA	TION	
	Soil Safe, Inc Bridgeport	Phone No.	1-856-467-8030
No left turn on Rt. 130 No	e 130 Logan Township, NJ 08085 rth into the facility. day through Friday 7 AM to 5 PM. 5 P	M to 10 PM By Appointm	ent only. Saturday by appoint-
I hereby certify that the at and accurate.	oove named material has been accepte	ed and to the best of my	knowledge the foregoing is true
Name of Authorized Ages	<u>Ga</u>	rcia	3 20 06
Name of Authonized Agen	t Signature		Receipt Date

White - Facility Green - Facility Blue - Trucking Co.

Goldenrod - Contractor

Yeltow – Generator Pink - Broker

SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

	ERATOR
Generator Name HS CUVIRonaut Al	_ Generator Site/Location
Address N PRONT ST	_ Address
CAMPDen	
Phone No	_ Phone No.
Description of Material	ID 268 GROSS
Approval NumberNon-Regulated Petroleum Contaminated Soil302Non DOT/RCRA Regulated	GROSS 377 116 TARE TARE 12 301 BRECALLED ANET NET 24 80 TONNAGE LOG 3 03/30/2003 08 01 AT
Generator Authorized Agent Name Sig	ackaged, and is in proper condition for transportation gnature Shipment Date
Address BEAR De	Driver Name (Print) <u>JOHN</u> (97 Vehicle License No. / State / EPA Ne. 65656
	Truck Number 07 36 (2008
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature C V Shipment Date	Driver Signature Delivery Dat
Site Name Soil Safe, Inc Bridgeport	TINATION Phone No. 1-856-467-8030
Address 378 Route 130 Logan Township, NJ 0808	
No left tum on Rt. 130 North into the facility.	5 PM to 10 PM By Appointment only. Saturday by appoint-
I hereby certify that the above named material has been ac and accurate.	cepted and to the best of my knowledge the foregoing is true
	Carcia 33000

Name of Authonized Agent White - Facility

Green - Facility

Sign	nature		
Yellow - Generator	Pink - Broker		

Goldenrod - Contractor

32006 **Receipt Date** 

ы <sup>°</sup> э		¥ sata s	Log Number
	SOIL S	AFE, INC.	
	NON-HAZARDOUS		
		RATOR	
Generator Name	EHS	Shipping Location	Same
Address <u>302</u>	north Frontst	Address	
-Can	der MT		
Phone No.		Phone No.	
	Description of Material		124
Approval Number L-4	Non-Regulated Petroleum Contaminated Soil	i i i i i i i i i i i i i i i i i i i	955 40.440 A. RE 13.00 E.RECALLED NE
3021	Non DOT/RCRA Regulated		3/30/2006:08:05
according to applicable s according to applica	able regulations.	as defined by 40 ackaged, and is i	CFR Part 261 or any applicable sta in proper condition for transportati
according to applicable s according to application	tate law, is not a hazardous waste periy described, classified and parable regulations.	as defined by 40 ackaged, and is i	CFR Part 261 or any applicable sta in proper condition for transportati
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized	tate law, is not a hazardous waste periy described, classified and parable regulations. <u>Illugio</u> I Agent Name Sign TRANS	as defined by 40 ackaged, and is in ature PORTER	CFR Part 261 or any applicable sta in proper condition for transportati 3-30-00 Shipment Date
Transporter Name	tate law, is not a hazardous waste periy described, classified and parable regulations. <u>Illugis</u> Agent Name Sign TRANS	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin	t) Jeff Stevenson
Transporter Name	tate law, is not a hazardous waste periy described, classified and parable regulations. <u>Illugis</u> Agent Name Sign TRANS	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin	t) <u>Leff Stevenson</u> b) <u>ADBOIN</u>
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized Transporter Name Address I hereby certify that	tate law, is not a hazardous waste periy described, classified and parable regulations. Illiugis Control Cont	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number	t) <u>Leff Stevenson</u> b) <u>ADBOIN</u>
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized Transporter Name Address I hereby certify that picked up at the ger	tate law, is not a hazardous waste periy described, classified and parable regulations. Illica Control Contro	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number	CFR Part 261 or any applicable sta in proper condition for transportation 3-30-30 Shipment Date (t) $\int eff Stevenson$ $\int shipment Date$ (t) $\int eff Stevenson$ f Stevenson f Steven
or any applicable s law, has been pro according to applica Andrew (e Generator Authorized Transporter Name Address I hereby certify that picked up at the ger	tate law, is not a hazardous waste periy described, classified and parable regulations. Illiude Control of the solution of th	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number	CFR Part 261 or any applicable sta in proper condition for transportation <u>3-30-00</u> Shipment Date t) <u>Jeff Stevenson</u> b./State <u>ADBOIN</u> <u>134</u> that the above named material with incident to the destination listed below
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized Transporter Name Address I hereby certify that picked up at the gen	tate law, is not a hazardous waste periy described, classified and parable regulations. Illica Contemporation Sign TRANS TAT the above named material was herator site listed above. Contemporation Shipment Date SOIL SAFE, INC. 378 Route 130	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number I hereby certify delivered without in Driver Statements NATION	CFR Part 261 or any applicable sta in proper condition for transportation 3-30-30 Shipment Date (t) $\int eff Stevenson$ $\int shipment Date$ (t) $\int eff Stevenson$ f Stevenson f Steven
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized Transporter Name Address I hereby certify that picked up at the gen Driver Signature Site Name	tate law, is not a hazardous waste periy described, classified and parable regulations. Illiude I Agent Name Sign TRANS TMT the above named material was berator site listed above.	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number i hereby certify delivered without in Driver Stockare NATION	CFR Part 261 or any applicable sta in proper condition for transportation 3-30-30 Shipment Date (1) $\int eff Stevenson(1) \int eff Stevenson($
or any applicable s law, has been pro according to applica Amaleus (e Generator Authorized Transporter Name Address I hereby certify that picked up at the ger Driver Signature Site Name Address	tate law, is not a hazardous waste periy described, classified and parable regulations. Illiude Sign TRANS TRANS TAT the above named material was herator site listed above. 3-30-06 Shipment Date SOIL SAFE, INC. DESTIN 378 Route 130 Solit SAFE, INC. DESTIN Solit SAFE, INC. Solit SAFE, INC.	as defined by 40 ackaged, and is in ature PORTER Driver Name (Prin Vehicle License No Truck Number I hereby certify delivered without in Driver Statere NATION	CFR Part 261 or any applicable sta in proper condition for transportation 3-30-30 Shipment Date (1) $\int eff Stevenson(1) \int eff Stevenson($

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

# NON-HAZARDOUS MATERIAL MANIFEST

GE	NERATOR
Generator Name <u>FHS</u>	Generator Site/Location
Address Front St	
Canden NT	
Phone No.	Phone No
Description of Material	ID 350 GROSS
Approval NumberNon-Regulated Petroleum Contaminated Soil243021Non DOT/RCRA Regulated	GROSS 39:26-D TARE TARE 12:83:17 RECALLED RATE NET 26:93-1
law, has been properly described, classified and according to applicable regulations.	es not contain free liquid as defined by 40 CFR Part 260.10 este as defined by 40 CFR Part 261 or any applicable state packaged, and is in proper condition for transportation 3-30-06 Signature Shipment Date
	ANSPORTER
Transporter Name <u>IAT</u> Address <u>Bear</u> Del.	_ Driver Name (Print) <u>Richard Reed</u> _ Vehicle License No. / State / EPA No. <u>10906-7</u>
I hereby certify that the above named material was picked up at the generator site listed above.	delivered without incident to the destination listed below. Reduction delivered = 3-30-06
DE	ESTINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
ment only.	M. 5 PM to 10 PM By Appointment only. Saturday by appoint-
I hereby certify that the above named material has been and accurate.	accepted and to the best of my knowledge the foregoing is true $33000$

Name of Authonzed Agent White - Facility

Green - Facility

Signature Yellow - Generator Pink - Broker

Goldenrod - Contractor

**Receipt Date** 

Log Number

6 <b>9</b> 5.0	SOIL S	AFE, INC.	#6
NC	N-HAZARDOUS	MATERIAL MANIFE	EST
	GEN	ERATOR	
rlfs	FRITIPAUMTA	Ai	
Generator Name EMJ	CIOVICONJIEJO	Generator Site/Location_	
Generator Name <u>EHS</u> Address <u>302</u> Ni Fi	RONT ST.	Address	
CAMDEN	INJ		
Phone No	•	Phone No.	
Descripti	on of Material	10-102-	GROSS
Approval	n-Regulated Petroleum		
2021	Contaminated Soil		2.50 TARE
302/	n DOT/RCRA Regulated	NE In Country	
		03/30/	2006-09:174
I hereby certify that the above	named material daes		
Generator Authorized Agent Nam	5	nature SPORTER	3-30-06 Shipment Date
Transporter Name	TA!	Driver Name (Print)	Hener
Address <u>DLAK</u>	De	Vehicle License No. / Stat	e / EPA No. 7-90
		Truck Number	12
I hereby certify that the above picked up at the generator site is		I hereby certify that the delivered without incident f	e above named material was to the destination listed below.
Hatchet	3-30-06	Hoseher	3-30-06
Dfiver Signature	Shipment Date	Driver'Signature	Delivery Date
		NATION	
28.1	, Inc Bridgeport	Phone No.	1-856-467-8030
Address 378 Route 130 Lo No left turn on Rt. 130 North into th	ogan Township, NJ 080 e facility	85	
Business hours are: Monday throug ment only.	h Friday 7 AM to 5 PM.	5 PM to 10 PM By Appointme	ent only. Saturday by appoint-
I hereby certify that the above name	ed material has been acc	epted and to the best of mv k	nowledge the foregoing is true
and accurate.		arcià	
Name of Authorized Agent	Sīgna		Receipt Date

Green - Facility Yellow - Generator

White - Facility

Pink - Broker Goldenrod - Contractor

SOIL SAFE, INC.

#7

**Receipt Date** 

Blue - Trucking Co.

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

	GLI	
Generator Name _	EHS	Generator Site/Location
Address	N FRONT St	Address
	CAMBER	
Phone No		Phone No.
	Description of Material	GROSS_
Approval Number 3021	Non-Regulated Petroleum Contaminated Soii	GROSS 42.92 TO TARE TARE 12.30 DE RECALLED NET
	Non DOT/RCRA Regulated	LOG 1 0 03/30/2006 09:25an
I hereby certify the or any applicable	nat the above named material does e state law, is not a hazardous wast	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state
law, has been pr	operly described, classified and p licable regulations.	ackaged, and is in proper condition for transportation
Andra	~ Class C	- Ole 3.30.06
Generator Authoriz	zed Agent Name Sig	nature Shipment Date
	TRAN	NSPORTER O II
Transporter Name	IAT	Driver Name (Print) Kotton
Address	BEAR De	Vehicle License No. / State / FPA No. 6 5656 Do
		Truck Number $5t 66(55#268)$
	nat the above named material was enerator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
JOKN_	X 3-30-04	Jaka 3-30-04
Driver Signature	V Shipment Date	Driver Signature Delivery Date
Site Name	Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
	Route 130 Logan Township, NJ 080	
No left tum on Rt.	130 North into the facility.	5 PM to 10 PM By Appointment only. Saturday by appoint-
I hereby certify that and accurate.	t the above named material has been ad	ccepted and to the best of my knowledge the foregoing is true
	al.	Garcia 3.3006

Signature

Pink - Broker

Goldenrod - Contractor

Yellow - Generator

Name of Authorized Agent

White - Facility

Green - Facility

Generator Name	·	Shipping Lo	ocation <u>59197</u>	2
Address 302	en MT	Address		
Camp	eg NT			
Phone No.		Phone No.	<u> </u>	
	Description of Material		ID 124	GROSS
Approval Number L-4 3021	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		TARE 13:0	BATAN IARG ORGE RECALLED STATES BATAN TO NUMBER
				2409.31At standard
Générator Authorized A			Ship	<u>30-06</u> ment Date
			1 D	Cto is
Transporter Name	THI	Driver Nan	ne (Print)	1 oversing
Address		Vehicle Lic	ense No./State	0301 N
· · · · · · · · · · · · · · · · · · ·		Truck Num	nber $124$	
	ne above named material was a ator site listed above.			ove named material was destination listed below.
1.	1 3-30-26		1 h	3-30-02
Driver Signature	Shipment Date	Driver Sign	Tatio	Delivery Date
10	DEST	INATION		
Site Name	soil SAFE, INC. //278 Bout 230 gan Township, NJ 08085		_ Phone No	
Address	(856) 467-8030			
I hereby certify that the is true and accurate.	e above named material has beer	accepted a	and to the best of my	
	d. (	barcu	à	33006 Beceint Date
Name of Authorized Ag	ent Sign		~:	Receipt Date

White - Facility Green - Facility

1

Gotdenrod - Contractor

Heceipt Date

Yellow - Generator Pink - Broker

Log Number	15	1.4		<u>(1</u>
#	9	A.	120	22

#### NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name	Generator Site/Location
Address Front St Camden NJ	Address <u>SA-MC</u>
Phone No Description of Material	Phone No.
Approval NumberNon-Regulated PetroleumC4Contaminated Soil302Non DOT/RCRA Regulated	NER 30.001 TARE 100 20 03/30/2008 10:2811 INET TONNAGE
or any applicable state law, is not a hazardous waste law, has been properly described, classified and pa according to applicable regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation

TRANSPORTER

Transporter Name 🧾 Bear Del Address \_

Driver Name (Print) Richard Reed Vehicle License No. / State / EPA No. 10906-7

Truck Number SER 24-350

I hereby certify that the above named material was picked up at the generator site listed above.

Shipment Date

**Driver** Signature

I hereby certify that the above named material was delivered without incident to the destination listed below.

3-30-06 **Delivery Date** 

3006

**Receipt Date** 

Driver Signature

Site Name

Soil Safe, Inc. - Bridgeport

Yellow - Generator

Phone No. 1-856-467-8030

378 Route 130 Logan Township, NJ 08085 Address

No left tum on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

DESTINATION

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

OATCIA

Pink - Broker

Name of Authonized	Agent
White - F	actility Green - Facility

Signature

Goldenrod - Contractor Blue - Trucking Co.

Log Number # 10

#### NON-HAZARDOUS MATERIAL MANIFEST

	GENERAT	OR
Generator Name	N. FRONT ST. Addr	
Address <u>302</u>	N. FRONT STIAddr	ess
Phone No	Phon	e No
Approval Number 302/	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	ID 102 GROSS AL 38 D TARE 121501 RECALLED NET NET 28.88 TONNAGE 03/30/2006 D033AN
or any applicable st	ate law, is not a hazardous waste as d perly described, classified and packag ble regulations.	entain free liquid as defined by 40 CFR Part 260.10 efined by 40 CFR Part 261 or any applicable state ed, and is in proper condition for transportation $3 \cdot 3 \cdot$
Transporter Name	TAT Drive	$\Delta$

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

Site Name

Shipment	Date	Driver	Signat	Ìr

**Truck Number** 

**Delivery Date** 

DESTINATION

Phone No. 1-856-467-8030

Blue - Trucking Co.

I hereby certify that the above named material was

delivered withput incident to the destination listed below.

378 Route 130 Logan Township, NJ 08085 Address \_\_\_\_

Green - Fecility

Soil Safe, Inc. - Bridgeport

No left tum on Rt. 130 North into the facility.

White - Facility

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only, Saturday by appointment only.

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

Yellow - Generator

anu accurate.		
	Carcin	33006
Name of Authorized Agent	Signature	Receipt Date

Goldenrod - Contractor

Pink - Broker

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· · · · · ·	· Automas	4

#### SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

#### CENEDATOR

	IERATOR
Generator Name HS ENA RUMENTAL	Generator Site/Location
Address Front St	Address
CAM DEND NJ	
Phone No.	_ Phone No. 1
Description of Material	III 268 GROSS
Approval NumberNon-Regulated Petroleum Contaminated Soil3021Non DOT/RCRA Regulated	GROSS 46.16 I TARE 12.30 I RECALLED NET 33.861
according to applicable regulations.	is not contain free liquid as defined by 40 CFR Part 260.1 the as defined by 40 CFR Part 261 or any applicable stat packaged, and is in proper condition for transportation 3 - 3/-06 Shipment Date
TRA	NSPORTER
Transporter Name 1AT	Driver Name (Print) JOHN G
	Vehicle License No. / State / EPA No. <u>65656</u> Truck Number <u>5756</u>
I hereby certify that the above named material was picked up at the generator site listed above. 32300	I hereby certify that the above named material was delivered without incident to the destination listed below. 3-30-01
Priver Signature Shipment Date	Driver Signature Delivery Date
DÉ	STINATION
DE Site Name Soil Safe, Inc Bridgeport	STINATIONPhone No. 1-856-467-8030
Site NameSoil Safe, Inc BridgeportAddress378 Route 130 Logan Township, NJ 080No left turn on Rt. 130 North into the facility.	Phone No. 1-856-467-8030

Signature Yellow - Generator Pink - Broker

Green - Facility

**Receipt Date** 

Blue - Trucking Co.

÷ 4

Goldenrod - Contractor

	SOIL SAFE, IN	<b>C</b> .	# 12
NON-I	HAZARDOUS MATERI	AL MANIFES	
	GENERATOR		
Generator Name	Shipping I	ocation Same	
Address 302 north From Camber N	W		
Phone No	Phone No.		
Description o	f Material	ID-124	GROSS
L-F Cor	egulated Petroleum ntaminated Soil	TARE 13.	85 B Ooder RECALLED 85 T
302/ Non DO	)T/RCRA Regulated	106-25	06 10:43AT
	Signature TRANSPORTER		pment Date
The Alexander Alexander		, ID	04
			Mevenson
	Vehicle Lic	ense No./State	
Address	Vehicle Lic Truck Nun ned material was I hereby	cense No./State <u>A</u> nber <u>124</u> certify that the al	DBOIN
Address I hereby certify that the above nampicked up at the generator site listed	Vehicle Lic Truck Nun ned material was I hereby I above. delivered v	cense No./State <u>A</u> nber <u>124</u> certify that the all without incident to th	DBOIN pove named material was re destination listed below.
Address I hereby certify that the above nampicked up at the generator site listed	Vehicle Lic Truck Nun ned material was I hereby	cense No./State <u>A</u> nber <u>124</u> certify that the all without incident to th	DBOIN pove named material was
Address I hereby certify that the above nampicked up at the generator site listed Driver SignatureSOIL SA	Vehicle Lic Truck Num ned material was d above. 	cense No./State <u>A</u> nber <u>124</u> certify that the all without incident to th	DBOIN pove named material was the destination listed below. 3 - 3
SOIL SA Site Name	Vehicle Lic Truck Num ned material was l above. I hereby delivered we -3-30-06 Shipment Date Driver Sign DESTINATION	cense No./State <u>A</u> nber <u>124</u> certify that the all without incident to th	DBOIN pove named material was the destination listed below. 3 - 3 05
Address	Vehicle Lic Truck Num ned material was l above. <i>Truck Num</i> <i>Truck Num</i> <i>Carried Was</i> <i>Carried Was</i>	cense No./State nber24 certify that the all without incident to the 	DBOIN Dove named material was the destination listed below. <u>3-305</u> Delivery Date
Address I hereby certify that the above nampicked up at the generator site listed Driver SignatureSOIL SA Site NameSOIL SA Logan Townst	Vehicle Lic Truck Num ned material was l above. <i>Truck Num</i> <i>Truck Num</i> <i>Carried Was</i> <i>Carried Was</i>	cense No./State	DBOIN Dove named material was the destination listed below. <u>3-305</u> Delivery Date

Log.Number

# 13

## NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name Address	nt st	Generator Site/Location
Phone No		Phone No.
Approval Number LY 3021	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	ID 350 GROSS 42.58 TARE TARE 12:83 D. REGALLED NET 29.75 TONNAGE
or any applicable s	tate law, is not a hazardous waste perly described, classified and pa able regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation

Andau Colli	~~~~ C	- de	3-30-05
Generator Authorized /		gnature Sh	nipment Date
	TRA	NSPORTER	1
Transporter Name	AT	Driver Name (Print) Ruch	nel Cherd
Address Be	ar Del.	Vehicle License No. / State / E	
· · · · · · · · · · · · · · · · · · ·		Truck Number	- 350
I hereby certify that the picked up at the generation	ne above named material was ator site listed above.	I hereby certify that the a delivered without incident to the	bove named material was he destination listed below.
Driver Signature	1 Coop 3-30-06 Shipment Date	Accelerate Cold	7 <u>3-30-06</u> Delivery Date
		STINATION	
Site Name	Soil Safe, Inc Bridgeport	Phone No	1-856-467-8030
Address 378 Rou	ite 130 Logan Township, NJ 080	85	
No left turn on Rt. 130 N Business hours are: Mor ment only.	lorth into the facility. nday through Friday 7 AM to 5 PM	. 5 PM to 10 PM By Appointmen	it only. Saturday by appoint-
I hereby certify that the a and accurate.	above named material has been a	ccepted and to the best of my kno	owledge the foregoing is true
		Garcia	330 06

Name of Authorized Agent White · Facility

Green - Facility

Signature Yellow - Generator Pink - Broker

Goldenrod - Contractor Blue - Trucking Co.

**Receipt Date** 

## SOIL SAFE, INC.

a shire shi

#	14

**Receipt Date** 

Blue - Trucking Co.

## NON-HAZARDOUS MATERIAL MANIFEST

Generator Name       H       Generator Site/Location         Address       Host St       Address         Generator Site/Location       Address         Generator Site/Location       Address         Generator Site/Location       Address         Generator Site/Location       Generator Site/Location         Address       Generator Site/Location         Address       Phone No.         Approval       Description of Material         Number       So 21         Description of Material       ID 266%         Non Pregulated Petroleum       Contaminated Soil         Non DOT/RCRA Regulated       ID 266%         Ibereby certify that the above named material does not contain free liguid as defined by 40 CFR Part 260 10         or ary applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or argupplicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or argupplicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or argupplicable state law, is not a hazardous waste as defined by 40 CFR Part 260 to CFR Part 26		GENERATOR
Address       Figst St       Address	Generator Nama 545	
CAMOR MS       Phone No.         Phone No.       Phone No.         Approval Number       Description of Material         Number       Description of Material         New papticable state as is not a hazardous waste as defined by 40 CFR Part 280 ro any applicable state as is not a hazardous waste as defined by 40 CFR Part 281 or any applicable state as is not a hazardous waste as defined by 40 CFR Part 281 or any applicable state as is not a hazardous waste as defined by 40 CFR Part 281 or any applicable state	FR 1 TR	Generator Site/Location
MARK       Phone No.         Phone No.	Address FRONT OF	Address
Approval Number       Description of Material       ID 268       GROSS         Approval Number       Non-Regulated Petroleum Contaminated Soil       ID 268       TARE         Approval Number       Non-Regulated Petroleum Contaminated Soil       ID 268       TARE         IM       Non DOT/RCRA Regulated       ID 268       TONNAGE         I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10 or any applicable regulations.       TONNAGE         Amatrix       Amatrix       Tonnage       Signature       Signature       Signature       Signature       Signature       Signature       Signature       Signature       Tuck Number       Tuck Number       Tuck Number       Tuck Number       Tuck Number       Tuck Number       Signature       Signature       Signature       Signature       Signature       Signature       Signature       Signature       Tuck Number       Tuck Number       Tuck Number       Tuck Number       Tuck	CAMOLN	37
Approval Number 3 o 21       Description of Material       ID 268       GROSS         Marker 3 o 21       Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated       ID 268       TARE: 12:30:1         I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state according to applicable regulations.         Marker       Callwar       3:3:2:2:3:3:3:3:2:3:3:2:3:3:2:3:3:2:3	Phone No.	Phone No.
Image: state state in the state of the state is defined by 40 CFR Part 261 or any applicable state is according to applicable regulations.         And PL       And PL         Generator Authonized Agent Name       Signature         Signature       Shipment Date         Transporter Name       A         Address       BAR         Priver Name       Address         Driver Name (Print)       Difference         Address       BAR         Priver Name       Context Name         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Market       Signature       State / EPA No.         Market       Barbon       Context Number         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Market       Barbon       Barbon         Driver Signature       Shipment Date       Driver Signature         Delivery Date       Delivery Date       Delivery Date         Delivery Date       Delivery Date       Delivery Date         Delivers Signature       Soli Safe, Inc Bridgeport       Phone No. 1	Approval Number Non-Regu 3621 Contar	aterial ID 268 GROSS GROSS GROSS GROSS GROSS TARE TARE TARE 12.30 I RECALLED NET 33.28 I N
Transporter Name       Image: Address       Driver Name (Print)       John G         Address       BOAR       Vehicle License No. / State / EPA No. 666660 Pe         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J J J G G       J J J G G       Driver Signature       J J J G G         Driver Signature       Soll Safe, Inc Bridgeport       Onver Signature       Delivery Date         Delivers       Soll Safe, Inc Bridgeport       Phone No	law, has been properly described, c according to applicable regulations.	azaroous waste as defined by 40 CFR Part 261 or any applicable state assified and packaged, and is in proper condition for transportation $\int \int \partial f \partial f \partial f$
Transporter Name       Image: Address       Driver Name (Print)       John G         Address       BOAR       Vehicle License No. / State / EPA No. 666660 Pe         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J J J G G       J J J G G       Driver Signature       J J J G G         Driver Signature       Soll Safe, Inc Bridgeport       Onver Signature       Delivery Date         Delivers       Soll Safe, Inc Bridgeport       Phone No		TRANSPORTER
I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         J J G C       J J G C         Driver Signature       J J G C         Shipment Date       Driver Signature         Delivery Date       Delivery Date         DESTINATION       Site Name         Soil Safe, Inc Bridgeport       Phone No	Transporter Name	
I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Jierce View Signature       Jierce View Signature       Jierce View Signature       Jierce View Signature         Noiver Signature       Soll Safe, Inc Bridgeport       Phone No. 1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085         No left turn on Rt. 130 North into the facility.       Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.         I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.	Address <u>REAR</u> De	Vehicle License No / State / EPA No (-51-51-
bicked up at the generator site listed above. delivered without incident to the destination listed below. 3:50-04 Driver Signature DESTINATION Site Name <u>Soil Safe, Inc Bridgeport</u> Phone No. <u>1-856-467-8030</u> Address <u>378 Route 130 Logan Township, NJ 08085</u> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- ment only. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		The Aster
Description of gratters       Delivery Date         DESTINATION         Site Name       Soil Safe, Inc Bridgeport       Phone No. <u>1-856-467-8030</u> Address <u>378 Route 130 Logan Township, NJ 08085</u> No left turn on Rt. 130 North into the facility.         Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.         I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.	picked up at the generator site listed ab	delivered without incident to the destination listed below. 3-66 $3-56-66$
Site Name       Soil Safe, Inc Bridgeport       Phone No. 1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085         No left turn on Rt. 130 North into the facility.         Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.         I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		
Address <u>378 Route 130 Logan Township, NJ 08085</u> No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- ment only. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.	Site Name Soil Safe Inc.	
No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- ment only. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		
	No left turn on Rt. 130 North into the facilit Business hours are: Monday through Frida	V.
	I hereby certify that the above named mate and accurate.	
Name of Authorized Agent Signature Beceint Date	Name of Authorized Agent	Signature 33006

White - Facility

Green - Facility

Yellow - Generator

Pink - Broker

Goldenrod - Contractor

## SOIL SAFE, INC.

#15

## NON-HAZARDOUS MATERIAL MANIFEST

GENI	ERATOR
Generator Name <u>FHS</u> ENVIRON	ERATOR Generator Site/Location
Address 302 Mi FROM	TAddress
CAMPER (NO)	
Phone No	Phone No. 1
Description of Material	ID 102 GROSS
Apploval Number 302 Contaminated Soil	GROSS 41.50 MAREALLED TARE TARE 12.50 MARECALLED TARE NET 29.00 T
Non DOT/RCRA Regulated	LOG 30.03/30/2008 11:57 TONNAGE
law, has been properly described, classified and pa according to applicable regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation
Andrew Collings	nature Shipment Date
Transporter Name THT Address Both DR	ISPORTER Driver Name (Print)
I hereby certify that the above named material was picked up at the generator site listed above. 7-30-46	delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
Site Name Soil Safe, Inc Bridgeport	TINATION Phone No <b>1-856-467-8030</b>
Address 378 Route 130 Logan Township, NJ 0808 No left turn on Rt. 130 North into the facility.	
and accurate.	Capted and to the best of my knowledge the foregoing is true $3 \cdot 300 \text{ C}$

Signature Yellow - Generator

Pink - Broker

**Receipt Date** 

LogiNumber SOIL SAFE, INC.

# 16

# NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name	Shipping Location
Address 302 North Frontst Camber NJ	Address
Candles NJ	
Phone No.	Phone No.
Approval Number 2-7 3021 Description of Material Non-Regulated Petrole Contaminated Soil Non DOT/RCRA Regula	eum GROSS 41.24 TARE 13:0001/RECALLED NET 28:24 E
aw, has been properly described, classified an according to applicable regulations.	oes not contain free liquid as defined by 40 CFR Part 260.14 waste as defined by 40 CFR Part 261 or any applicable state and packaged, and is in proper condition for transportation
Andrew Cilling 5 C Generator Authorized Agent Name	Signature Shinment Data
TRANSPORTER Name	Driver Name (Print)
	Vehicle License No./State
Address	Vehicle License No./State <u>AD8-11</u> Truck Number <u>137</u>
hereby certify that the above named material was bicked up at the generator site listed above. 3-36-05	Vehicle License No./State <u>ADB-IM</u> Truck Number <u>137</u> as I hereby certify that the above named material was delivered without incident to the destination listed below.
Address	Vehicle License No./State <u>AD8-11</u> Truck Number <u>137</u> as I hereby certify that the above named material was delivered without incident to the destination listed below. 3-30-06
Address	Vehicle License No./State <u>AD8-11</u> Truck Number <u>137</u> as I hereby certify that the above named material was delivered without incident to the destination listed below. 3-30-06
Address	Vehicle License No./State <u>AD8-11</u> Truck Number <u>137</u> as I hereby certify that the above named material was delivered without incident to the destination listed below. The Driver Signature <u>3-30-06</u> Delivery Date
Address I hereby certify that the above named material was picked up at the generator site listed above. Drivet Stignature	Vehicle License No./State <u>ADB-IN</u> Truck Number <u>134</u> as I hereby certify that the above named material was delivered without incident to the destination listed below. The Driver Signature <u>3-30-06</u> Delivery Date STINATION
Address I hereby certify that the above named material was picked up at the generator site listed above. Drivet Stignature	Vehicle License No./State <u>ADB-IN</u> Truck Number <u>134</u> as I hereby certify that the above named material was delivered without incident to the destination listed below. The Driver Signature <u>3-30-06</u> Delivery Date STINATION

**Receipt Date** White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Signature

	Log Number
SOIL	SAFE, INC. # 17
NON-HAZARDOUS	MATERIAL MANIFEST
GEN	ERATOR
Generator Name	_ Generator Site/Location
Address Front St Camden NJ	_ Address _ SAme
Camden NJ	/
Phone No	_ Phone No.
Description of Material	- 10 350 GROS
Approval	
Number Non-Regulated Petroleum	GROSS 39.70 TARE
3021 Non DOT/RCRA Regulated	26.95 T
	LOG 37 03/30/2006 01:05
Generator Authonized Agent Name Si	gnature Shipment Date
TRA	NSPORTER
TRA	NSPORTER Driver Name (Print) <u>Richard Acced</u>
TRA	NSPORTER Driver Name (Print) <u>Richard Acced</u> Vehicle License No. / State / EPA No. <u>10906</u> 7
TRA	NSPORTER Driver Name (Print) <u>Richard Acced</u>
Transporter NameAddressAddressAddress	NSPORTER Driver Name (Print) <u>Richard Acad</u> Vehicle License No. / State / EPA No. <u>10906</u> Truck Number <u>SERZY-350</u> I hereby certify that the above named material w
Transporter NameAddressAddressAddress	<b>NSPORTER</b> Driver Name (Print) <u>Richard Acced</u> Vehicle License No. / State / EPA No. <u>10906</u> Truck Number <u>SER24-350</u> I hereby certify that the above named material widelivered without incident to the destination listed below.
Transporter Name TATAddress	NSPORTER Driver Name (Print) <u>Richard Acced</u> Vehicle License No. / State / EPA No. <u>10906.7</u> Truck Number <u>SER24-350</u> I hereby certify that the above named material widelivered without incident to the destination listed below. <u>Schuldung</u> <u>3-30-64</u> Driver Signature <u>Delivery Da</u>
Transporter Name TATAddress Address hereby certify that the above named material was bicked up at the generator site listed above. Dicked up	NSPORTER Driver Name (Print) <u>Richard Acced</u> Vehicle License No. / State / EPA No. <u>10906.7</u> Truck Number <u>SER24-350</u> I hereby certify that the above named material widelivered without incident to the destination listed below <u>Culture Biology</u> <u>3-30-64</u> Driver Signature <u>Delivery Data</u>
Transporter NameAddress Address hereby certify that the above named material was bicked up at the generator site listed above.	NSPORTER         Driver Name (Print)       Richard Acced         Vehicle License No. / State / EPA No. 10906.7         Truck Number       SER24-350         I hereby certify that the above named material widelivered without incident to the destination listed below         Quilla Back       3-30-0         Driver Signature       Delivery Date         Phone No.       1-856-467-8030
Transporter NameAddressAddressAddressAddressAddressAddress	NSPORTER         Driver Name (Print)       Richard Accod         Vehicle License No. / State / EPA No. 10906.7         Truck Number       SER24-350         I hereby certify that the above named material widelivered without incident to the destination listed below         Quillabeled       3-30-64         Driver Signature       3-30-64         Phone No.       1-856-467-8030         35
Transporter NameAddressAddressAddressAddressAddress	NSPORTER         Driver Name (Print)       Richard Acced         Vehicle License No. / State / EPA No. /0906/7         Truck Number       SER24-350         I hereby certify that the above named material wadelivered without incident to the destination listed below.         Quilla Back       3-30-64         Driver Signature       Delivery Date         Phone No.       1-856-467-8030
Transporter NameAddressAddressAddressAddressAddress	NSPORTER         Driver Name (Print)       Rebard accod         Vehicle License No. / State / EPA No. 10906.7         Truck Number       SER24-350         I hereby certify that the above named material wadelivered without incident to the destination listed below.         Quadratic State       3-30-04         Driver Signature       Phone No. 1-856-467-8030         35       5 PM to 10 PM By Appointment only. Saturday by appoint-         Cepted and to the best of my knowledge the foregoing is true         Turcic       3.30 Offer

-1946-1

## SOIL SAFE, INC.

#18

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Address       Front St       Address	Generator Name	45 EWUIRomeillal	Generator Site/Location
	Address FRONT	154	Address
Approval Number 3CH       Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated       ID: 268:       33:20:100:00:00:00:00:00:00:00:00:00:00:00:0	CAmo	ad NJ	
Approval Number       Non-Regulated Petroleum Contaminated Soil       GR059       357.904 for some Contraint of the Contaminated Soil         Non DOT/RCRA Regulated       Non DOT/RCRA Regulated       NET       27.511       Interest of the Contaminated Soil         I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10       OFR Part 260.10       OFR Part 260.10         or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10       OFR Part 260.10       OFR Part 260.10         according to applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10       OFR Part 260.10       OFR Part 260.10         according to applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10       OFR Part 260.10       OFR Part 260.10         Generator Authorized Agent Name       Signature       Signature       Signature       Signature         Transporter Name       TAL       Driver Name (Print)       Cotton       Ofton         Address       Beak       Vehicle License No. / State / EPA No. (State) (Def)       Ofton         I hereby certify that the above named material was delivered without incident to the destination listed below.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Matter       Sol State / EPA No. (State	Phone No		Phone No.
Number       Non-Regulated Petroleum       Contaminated Soil       Idea         Contaminated Soil       Non DOT/RCRA Regulated       Idea       Idea </td <td></td> <td>Description of Material</td> <td>ID 268 GROSS</td>		Description of Material	ID 268 GROSS
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 261 or any applicable state law, 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.         Advices       Comparison of the comparison of the comparison of transportation according to applicable state and packaged, and is in proper condition for transportation according to applicable regulations.         Advices       Comparison of transportation of transportation according to applicable state and packaged, and is in proper condition for transportation according to applicable regulations.         Advices       Comparison of transportation of transportation of transportation according to applicable state according to applicable regulations.         Transporter Name       Table         Transporter Name       Table         Driver Name (Print)       Rodes         Address       Boak         Deliver Name       Truck Number         Address       3:3:0:0 (State / EPA No. (State /	Number	Contaminated Soil	NET 27.51 I NET
Address       Signature	I hereby certify that th or any applicable state	e above named material does a	not contain free liquid as defined by to OED D + 1000 free
Compliant Date         TRANSPORTER         Transporter Name       TAH       Driver Name (Print)       Rodo         Address       BCAR       Del       Vehicle License No. / State / EPA No.       65056642         Address       BCAR       Del       Truck Number       500       500         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Maddew       3.3.0.0       Driver Signature       3.3.0.0.0         Driver Signature       Shipment Date       Driver Signature       Delivery Date         DESTINATION       Ste Name       Soll Safe, Inc Bridgeport       Phone No.       1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085       Driver Signature on Rt. 130 North into the facility.       Sublemess hours are: Monday through Friday 7 AM to 5 PM.       5 PM to 10 PM By Appointment only. Saturday by appointment only.         hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.       Carr C2 & 3-30 0.6	according to applicabl	e regulations.	ackaged, and is in proper condition for transportation
Compliant Date         TRANSPORTER         Transporter Name       TAH       Driver Name (Print)       Rodo         Address       BCAR       Del       Vehicle License No. / State / EPA No.       65056642         Address       BCAR       Del       Truck Number       500       500         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Maddew       3.3.0.0       Driver Signature       3.3.0.0.0         Driver Signature       Shipment Date       Driver Signature       Delivery Date         DESTINATION       Ste Name       Soll Safe, Inc Bridgeport       Phone No.       1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085       Driver Signature on Rt. 130 North into the facility.       Sublemess hours are: Monday through Friday 7 AM to 5 PM.       5 PM to 10 PM By Appointment only. Saturday by appointment only.         hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.       Carr C2 & 3-30 0.6	Generator Authorized A	gent Name Sig	nature Shimont Data
Transporter Name TAL       Driver Name (Print) Roho         Address       BCAR       Deliver Name (Print) Roho         Address       BCAR       Deliver Name (Print) Roho         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         Driver Signature       Delivery Date         Destination       Delivery Date         Delivery Date       Delivery Date         Delivery Date       Delivery Date         Delivery Date       Delivery Date         Delivery Date       Delivery Date         Delivery			
Address       DCAR       Vehicle License No. / State / EPA No.       DCAC       DCAC       Truck Number       DCAC       Str# 268       DCAC       Truck Number       DCAC       Str# 268       DCAC	Transporter Name 1		1
I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material was picked up at the generator site listed above.       I hereby certify that the above named material was delivered without incident to the destination listed below.         I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true ind accurate.       I GCIY C1 L       I 3 30 06	Address BCAR	De	Vehicle License No. (State / EDA No. (25/05/0) 0
bicked up at the generator site listed above. delivered without incident to the destination listed below.			TRI STEPICI
Address       33000       John John John John John John John John	I hereby certify that the picked up at the general	e above named material was tor site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Delivery Date         DESTINATION         Site Name       Soll Safe, Inc Bridgeport       Phone No. 1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085         No left turn on Rt. 130 North into the facility.       Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.         hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.       Garace 4       3-30 06	Kafor	3-3-04	Kottow 33006
Site Name       Soll Safe, Inc Bridgeport       Phone No.       1-856-467-8030         Address       378 Route 130 Logan Township, NJ 08085       No left turn on Rt. 130 North into the facility.         Business hours are: Monday through Friday 7 AM to 5 PM.       5 PM to 10 PM By Appointment only. Saturday by appointment only.         hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.	Driver Signature		
Address       378 Route 130 Logan Township, NJ 08085         No left turn on Rt. 130 North into the facility.         Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- nent only.         hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.	Sito Nome		
No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint- nent only. hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. 3 - 30 - 06			
J. Garas 3-3006	No left turn on Rt. 130 No	orth into the facility.	
J. Garas 3.3006	I hereby certify that the at and accurate.	oove named material has been acc	epted and to the best of my knowledge the foregoing is true
	: ::::::::::::::::::::::::::::::::::::		

White - Facility

Green - Facility

Yellow - Generator

Pink - Broker

Goldenrod - Contractor

SOIL SAFE, INC.	
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3.3006

**Receipt Date** 

Blue - Trucking Co.

# 19

# NON-HAZARDOUS MATERIAL MANIFEST

		ERATOR	
Generator Name EHS	ENVIRONMENT	Address	
Address 382 Nr	Frest S	Address	
CAMOBN	AU		
Phone No		Phone No. 1	a a a a a a a a a a a a a a a a a a a
Approvar Sumber 302/	n of Material n-Regulated Petroleum Contaminated Soil DOT/RCRA Regulated	GROSS 37 TARE 12 NET 24	GROSS 15 TARE 50 TRECALLED NEL 004-01-15PM
I hereby certify that the above or any applicable state law, is a law, has been properly described according to applicable regulated for the contract of the state of the stat	bed, classified and particular to the particular	e as defined by 40 CFR Par ackaged, and is in proper	t 261 or any applicable state
Transporter Name TAT Address Ban (		nature S ISPORTER Driver Name (Print) AAA Vehicle License No. / State / Truck Number	Shipment Date $460$ $\overline{7-90}$
I hereby certify that the above picked up at the generator site lis Univer Signature	named material was ted above. <u>3-30-9</u> Shipment Date	I hereby certify that the delivered without incident to C Driver Signature	above named material was the destination listed below. 3.2.000 Delivery Date
		TINATION	
21	Inc Bridgeport	Phone No	1-856-467-8030
Address <u>378 Route 130 Lo</u> No left turn on Rt. 130 North into th Business hours are: Monday throug ment only.	<b>gan Township, NJ 0808</b> e facility. Jh Friday 7 AM to 5 PM.		ent only. Saturday by appoint-
I hereby certify that the above name and accurate.	ed material has been acc	cepted and to the best of my kr	nowledge the foregoing is true

Garai

Pink - Broker

Goldenrod - Contractor

Signature

Yellow - Generator

Name of Authorized Agent

White - Facility

Green - Facility

SOIL	SAFE, INC.	#20
NON-HAZARDOU	S MATERIAL MAN	IIFEST
G	ENERATOR	
Generator Name	Shipping Location	Sme
Address 303 NFront St Canden NJ	Address	
Canden NJ		
Phone No	Phone No.	· 27.8 L.
Description of Material	I H WY	4 GROSS
Approval Number 2-4 So21	um	39:59 13:00:F=RECALLED 26:59 F= NET
Non DOT/RCRA Regulat		0/2008-01:21
	Driver Name (Print)	1fstower
address		
	Truck Number	124
hereby certify that the above named material was bicked up at the generator site listed above.		the above named material was ent to the destination listed below.
1 3-30-6G	har	1= 3-30-06
Driver Shipment Date	10.	Delivery Date
SOIL SAFE, INC.	STINATION	
Site Name	Phone No	),
ddress(856) 467-8030	2 F 4-197	
hereby certify that the above named material has be true and accurate.	een accepted and to the b	est of my knowledge the foregoing
	Carces	33006
lame of Authorized Agent Si	gnature	Receipt Date

Name of Authorized Agent White - Facility Green - Facility

-

Goldenrod – Contractor

3006 Receipt Date

Yellow - Generalor Pink - Broker

Log Number	10	1.12-12-22-22-22-22-22-22-22-22-22-22-22-2
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## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name		_ Generator	Site/Location		>
Address Fro	nt st		SAME		
Cam	den NJ.		/	/	
Phone No.		_ Phone No	le je se s	an de se de Se	i sin ang
	Description of Material		10.350		GROSS
Approval Number 3021	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		GROSS 4.1 TARE 1.2 NET 29		TARE:
or any applicable su	the above named material does ate law, is not a hazardous wast erly described, classified and p ble regulations.	A se dofino	d by /IO CED Dog	+ 061	If a shafe of a state
Anarew Col Generator Authorized	Anent Name	<i>file</i> inature	2 3	3-30-0K Shipment Date	~ >
				Shipment Date	
		SPORTER	-		1
Transporter Name	A1	Driver Nam	e (Print) Kic	hard Rese	id
Address		Vehicle Lic	ense No. / State /	/ EPA No. 10 9	067
			ber <u>SERA</u>		
picked up at the gene	the above named material was rator site listed above. $3-30-06$	delivered v	certify that the vithout incident to	above named r the destination lis	sted below.
Driver Signature	Shipment Date	Driver Sigr	nature		-30-06 Delivery Date
	DES	TINATION			Pointery Duite
Site Name	Soli Safe, inc Bridgeport		Phone No	1-856-467-8030	
No left turn on Rt. 130	ute 130 Logan Township, NJ 0808 North into the facility. Inday through Friday 7 AM to 5 PM.				
I hereby certify that the and accurate.	above named material has been ac	cepted and to	o the best of my k	nowledge the fore	joing is true

	_	J.	Conre	ia la	33006
Name of Authorized Agent		Sigr	nature		Receipt Date
White - Facility	Green - Facility	Yellow - Generator	Pink - Broker	Goldenrod - Contractor	Blue Tevelier Oc

Pink - Broker

Goldenrod - Contractor

Blue - Trucking Co.

Yellow - Generator

Log Number

#22

**Receipt Date** 

Blue - Trucking Co.

## NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR
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Address FRon	t of	Address
CAT	ndent	
Phone No.		_ Phone No
	Description of Material	ID 268 GROSS
Approval Number 302	Non-Regulated Petroleum Contaminated Soil Non DO <b>T</b> /RCRA Regulated	GROSS 42.71 TARE TARE 12.30 T RECALLED NET 30.41 TONNAGE 03/30/2006102:30Ph
	ble regulations.	ackaged, and is in proper condition for transportation
	Agent Name Sig	prature 3-30-06 Shipment Date
Generator Authorized	Agent Name Sig	Inature 3-30-06 Shipment Date
Andrew ( Generator Authorized	Agent Name Sig	Driver Name (Print) Rotton
Generator Authorized	Agent Name Sig	Driver Name (Print) Rotton
Andrew ( Generator Authorized Transporter Name AddressB	Agent Name Sig	A 3-30-06 Shipment Date NSPORTER Driver Name (Print) Rotton Vehicle License No. / State / EPA No. 65656 No. Vehicle License No. / State / EPA No. 65656 No. Truck Number State (35#268) I hereby certify that the above named material was delivered without incident to the destination listed below.
Address I hereby certify that picked up at the gene	Agent Name Agent Name Sig TRAN TAT CAR, DC the above named material was rator site listed above. - 3-36-06	Inature 3-30-06 Shipment Date
Generator Authorized	Agent Name Agent Name Sig TRAN TAT CAR, DC the above named material was rator site listed above. -3-36-06 Shipment Date	$\begin{array}{c} 3-30-06\\ \text{Shipment Date}\\ \end{array}$ $\begin{array}{c} \text{NSPORTER}\\ \hline \text{Driver Name (Print)} & \hline \text{Rotton}\\ \hline \text{Vehicle License No. / State / EPA No. 65656 h}\\ \hline \text{Vehicle License No. / State / EPA No. 65656 h}\\ \hline \text{Truck Number} & \hline \text{State / EPA No. 65656 h}\\ \hline \text{Truck Number} & \hline \text{State / EPA No. 65656 h}\\ \hline \text{I hereby certify that the above named material waterial without incident to the destination listed below.}\\ \hline \text{Modelivered without incident to the destination listed below.}\\ \hline \text{Modeliver Signature} & \hline \text{Delivery Date}\\ \hline \end{array}$
Address I hereby certify that picked up at the gene	Agent Name Agent Name Sig TRAN TAT CAR, DC the above named material was rator site listed above. <u>3-36-06</u> Shipment Date DES	Jack       3-30-06         Shipment Date         NSPORTER         Driver Name (Print)       Rotton         Vehicle License No. / State / EPA No.       65656 No.         Truck Number       Jobs         1 hereby certify that the above named material waterial without incident to the destination listed below.         John Priver Signature       Jobs Jobs         Driver Signature       Delivery Date
Generator Authorized	Agent Name Agent Name Sig TRAN TAT CAR, DC the above named material was rator site listed above. -3-36-06 Shipment Date	Jack       3-30-06         Shipment Date         NSPORTER         Driver Name (Print)       Rotton         Vehicle License No. / State / EPA No.       656566         Truck Number       1000000000000000000000000000000000000

Green - Facility

Sigr	ature	
tor	Pink - Broker	

Goldenrod - Contractor

Yellow - Generator

#### SOIL SAFE, INC.

#23

#### NON-HAZARDOUS MATERIAL MANIFEST

GEN	ERATOR
Generator Name EHS ENVIRON. Address 302 N. FRONT, ST	_ Generator Site/Location
CAmden, AS	<u> </u>
Phone No	Phone No.
Approximity Number 302/ Non DOT/RCRA Regulated	ID 102 GROSS GROSS 40.4001 TARE TARE 12.50 B RECALLED NET NET 27.90 D NET LOG 5.3 03/30/2004 02:35P
or any applicable state law, is not a hazardous was law, has been properly described, classified and p according to applicable regulations.	not contain free liquid as defined by 40 CFR Part 260.10 te as defined by 40 CFR Part 261 or any applicable state backaged, and is in proper condition for transportation $3-3 \circ - \circ c$
Generator Authorized Agent Name Si	gnature Shipment Date

TRANSPORTER

I hereby certify that the above named material was

delivered without incident to the destination listed below.

Transporter Name ///

Address

\_ Truck Number \_\_\_\_\_

Driver Name (Print) \_

Vehicle License No. / State / EPA No.

I hereby certify that the above named material was picked up at the generator site listed above.

HAtcher

er Signature

Shipment Date

Driver Signature

**Delivery Date** 

()

**Receipt Date** 

Site Name

Soll Safe, Inc. - Bridgeport

DESTINATION Phone No.

Darcic

Pink - Broker

1-856-467-8030

#### Address 378 Route 130 Logan Township, NJ 08085

Green - Facility

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

Name of Authorized Agent

White - Facility

Signature
-----------

Yellow - Generator

Goldenrod - Contractor Blue - Trucking Co.

Log Number

1

#24

## NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

	302 north Frontst			Same
 Phone No	den N.J	Phone No.	Ì, .tr'	
Approval Number 2-4 3071	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		GROS TARE NET	GROSS 43.19.1 13.00 T. RECALLED 30.191 SULTONNACE 30/200402:42PT
or any applicable sta	te law, is not a hazardous wast arly described, classified and p	e as defined	d by 40 (	id as defined by 40 CFR Part 260.10 CFR Part 261 or any applicable state proper condition for transportation

Andrew Collings C	ACC 3.30.0	$\mathcal{O}(\mathcal{O})$
	Signature Shipment Da	
TRA	NSPORTER	
Transporter Name	Driver Name (Print) Jeff Steve	267
Address	Vehicle License No./State 190801	N
۵ <u> </u>	Truck Number	
I hereby certify that the above named material was picked up at the generator site listed above.		
and 3-30-01	h h	3-30-06
Driver Signature Shipment Dat	e Driver Signature	Delivery Date
SOIL SAFE, INC.	STINATION	
Site Name	Phone No.	18 •
Address (856) 467-8030		

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

		d. (	earciú		3.	3006
Name of Authorized Agent		Sigr	nature			<b>Receipt Date</b>
White — Facility	Green - Facility	Yellow — Generator	Pink — Broker	Goldenrod – Contractor	Blue - Trucking Co.	

11111	COLUMN AND AND A	the second of a second s	Glegel Week	the second second second	· · · ·
1.1811	11001	Number	the second	工具建筑	14
	I LUUI	<b>AMILINEI</b>	ALCOLULATION.	Contract and the second s	

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Address <u>302 n</u> ,			
	orth Frontst	Address	
Cand	en NT		
Phone No.		Phone No.	A Tensed
	Description of Material	-10-124	C C GROSS
Approval Number 2-4 3021	Non-Regulated Petroleum Contaminated Soil	GROSS 40.6815 TARE 13:0014 NET 27.68 P	RECALLED STRAND
	Non DOT/RCRA Regulated	L06 G 03/31/2006:07	129AI
Generator Authorized A		sed for generator 3/31/ nature Shipment D	ate
	and the second		
		SPORTER	
Transporter Name		Driver Name (Print) Jeff steven	507
	THI	Driver Name (Print) Jeff Steven	N
Address	THI	Driver Name (Print) Jeff Steven Vehicle License No./State A0801	N med material was
Address	THIT the above named material was rator site listed above.	Driver Name (Print) <u>Jeff Steven</u> Vehicle License No./State <u>ADBO1</u> Truck Number <u>124</u> I hereby certify that the above na	N med material was ation listed below.
Address	TAT he above named material was	Driver Name (Print) <u>Jeff Steven</u> Vehicle License No./State <u>ADBO1</u> Truck Number <u>124</u> I hereby certify that the above na	N med material was
Address	TMJ the above named material was rator site listed above.	Driver Name (Print) <u>Jeff Steven</u> Vehicle License No./State <u>ADBO1</u> Truck Number <u>124</u> I hereby certify that the above na delivered without incident to the destin	$\dot{N}$ med material was ation listed below. $3 - 3i - 0_6$
Address	TMJ the above named material was rator site listed above.	Driver Name (Print) <u>Jeff Stevens</u> Vehicle License No./State <u>A0801</u> Truck Number <u>124</u> I hereby certify that the above na delivered without incident to the destin	$\dot{N}$ med material was ation listed below. $3 - 3i - 0_6$

Name of Authorized Agent

White - Facility

Green - Facility

r, ste

	(00	ircu	4
Signa	ture		12



Yellow - Generator Pink - Broker Goldenrod - Contractor

Log t.

## NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name ZHS ENVIRON and	Generator Site/Location
Address FRONT ST	Address
CAMOLON NOT	
Phone No	Phone No
Description of Materia	Al J 27.96 GROSS. Petroleum #7 TARE
Approval Number 30,21 Non DOT/RCRA	ed Soil Regulated CROSS 40 2611 TONNAGE.
I hereby certify that the above named mat or any applicable state law, is not a hazar law, has been properly described, classi according to applicable regulations.	terial does not contain free liquid as defined by 40 CFR Part 260.10 dous waste as defined by 40 CFR Part 261, or any applicable state fied and packaged, and is is proper condition, for transportation
Seven PLUCINSKI (RERGE) as werd. Generator Authorized Agent Name	For generoor 11/06 Signature Shipment Date
	TRANSPORTER
Transporter Name TAT	Driver Name (Print) G
0 . N	
Address Horn 124	Vehicle License No. / State / EPA No. <u>(65656 De</u> Truck Number <u>8756 (35#</u> 268)
I hereby certify that the above named ma picked up at the generator site listed above.	
Hokn J 3-3	1-06 John J. 3-34-66
Driver Signature Shipn	nent Date Driver Signature Delivery Date
	DESTINATION
Site Name Soll Safe, Inc Brid	
Address <b>378 Route 130 Logan Towns</b> No left tum on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 / ment only.	AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appoint-
I hereby certify that the above named material and accurate.	has been accepted and to the best of my knowledge the foregoing is true
Name of Authorized Agent	Signature Signature Signature Receipt Date

Green - Facility

Sigi	nature
Yellow - Generator	Pink - Broker

Log Number

#### SOIL SAFE, INC.

#### **NON-HAZARDOUS MATERIAL MANIFEST**

	GENE	RAIOR
Generator Name <u>E</u>	HS	Generator Site/Location
Address FRON	t St	Address
CAN	nden NJ	
Phone No.		Phone No.
	Description of Material	GROSS
Approval Number 3631	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS 40.25 DERICALLED TARE 12450 TRECALLED NET NET 2775 THE NET NET NET 03/31/2006 07:4541
or any applicable stat law, has been proper according to applicable	te law, is not a hazardous waste rly described, classified and pa ple regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation ackaged, and is in proper condition for transportation
	TRAN	ISPORTER
Transporter Name	TAD .	Driver Name (Print)
Address	Bear De	Vehicle License No. / State / EPA No. $69656$ 2 Truck Number $T40$ $55# 102$
		Truck Number 740 33# 102
I hereby certify that the		I hereby certify that the above named material was
		TINATION
Site Name	Soll Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address 378 Rou	ute 130 Logan Township, NJ 0808	95

No left tum on Rt. 130 North into the facility.

Green - Facility

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

Carcia

Pink - Broker

Name of	f Authorized Agent
	White - Facility

Si	igna	ture
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Yeilow - Generator

33106 **Receipt Date** 

Blue - Trucking Co.

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Goldenrod - Contractor

Log Number

N	0	N	-	HA	ZA	RD	OUS	MATERIA	AL.	MANIFEST
---	---	---	---	----	----	----	-----	---------	-----	----------

#### GENERATOR

Generator Name Address	E.H.S. N. Front St. moden WJ	Generator S Address	Site/Location
Phone No		Phone No.	
	Description of Material		ID 637 GROSS
Approval Number 302	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated		GROSS 39.18-T TARE TARE 12.77-L RECALLED NET NET 26.41-H LOG 9 03/31/2006.0715.24

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.

JASON RUCINSKI (REPSG) 45 agent for generation Generator Authorized Agent Name

TRANSPORTER

**Driver Name (Print)** 

**Truck Number** 

an

Vehicle License No. / State / EPA No. (

Goldenrod - Contractor

**Transporter Name** Address

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident/to the destination listed below.

Driver inat hipment Date Driver

Deliverv

DESTINATION

Site Name

Soil Safe, Inc. - Bridgeport

Phone No. 1-856-467-8030

#### 378 Route 130 Logan Township, NJ 08085 Address

Green - Facility

No left turn on Rt. 130 North into the facility.

White - Facility

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

Pink

Darre

– Broker

Name	of	Auth	orized	Agent
------	----	------	--------	-------

Signature

Yellow - Generator

3-31-06

	Receipt	Date
Blue -	Trucking Co.	

Log Number

NON-HAZARDOUS MATERIAL MANIFE	EST	MANIFI	TERIAL	MA	US	0	RD	Ά.	Ζ	A	٠H	N	0	Ν
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#### GENERATOR

Generator Name Address332 N	Frontst. Inden NS	_ Generator Site/Location
Phone No		_ Phone No
Approval Number 2-4 3>21	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS 40.24 LAND GROSS TARE 1.2:50 LECALLED TABE LOG 10 NET 03/31/2006.08:03AN TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.

Jason PLUMINISKI I RE	(BSA) as aver by in a 1921	An .	3/31/06	
Generator Authorized Age	ent Name	mature	3/31/06 Shipment Date	
	TRAI	NSPORTER		
Transporter Name		Driver Name (Print)	Charlie	
Address Box	-DE	Vehicle License No. / St	ate / EPA No. 40/07 633	
		Truck Number 18	5/7=70	
I hereby certify that the picked up at the generato	above named material was r site listed above.		the above named material was nt to the destination listed below.	
Chate	3-31-26	Chaltie	3-31-8C Delivery Date	
Driver Signature	Shipment Date	Driver Signature	Delivery Date	
	DES	STINATION		
Site NameS	oll Safe, Inc Bridgeport	Phone N	o. <b>1-856-467-8030</b>	
Address378 Route 130 Logan Township, NJ 08085No left turn on Rt. 130 North into the facility.Business hours are: Monday through Friday 7 AM to 5 PM.5 PM to 10 PM By Appointment only. Saturday by appoint-				
ment only.			annone only. Caluday by appoint	
I hereby certify that the abo and accurate.	ove named material has been a	ccepted and to the best of i	my knowledge the foregoing is true	
anu accurate.	J.	Garciu	33106	

Name of Authorized Agent White - Facility

Green - Facility

Signature Yellow - Generator Pink - Broker

Goldenrod - Contractor Blue - Trucking Co.

**Receipt Date** 

Log Number n's Mat

#### SOIL SAFE, INC.

#### NON-HAZARDOUS MATERIAL MANIFEST

#### GENERATOR

Generator Name		Generator Site/Location Same
Address 302	north Fronts7	Address
Phone No		Phone No
	Description of Material	GROSS.
Approval Number 2-4 3021	Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	CROSS 42:18:1 TARE 13:00 B RECALLED NET NET 29:18 D LOG 12- 03/31/2006:08:36AM
or any applicable sta	ate law, is not a hazardous wast erly described, classified and p	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation
		Phi 3/31/06 prature Shipment Date
	TRAM	SPORTER
Transporter Name	TAT	Driver Name (Print) JeffStevenson
Address	-	Vehicle License No. / State / EPA No. 190801 N
-		Truck Number 124
I hereby certify that picked up at the gene	the above named material was rator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below

3-31-06

-		
Λ	1	
//		3-31-06
tra	17	~ 06

Shipment Date D

4 mil	3
river Signature	

Goldenrod · Contractor

**Delivery Date** 

Site Name

Drive

Soil Safe, Inc. - Bridgeport

(garcia

1-856-467-8030 Phone No.\_

#### 378 Route 130 Logan Township, NJ 08085 Address

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

DESTINATION

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

Name of Auth	orized Agent	
	While - Facility	Green - Facility

	21	gnature
Yellow -	Generalor	Pink - Broker

**Receipt Date** 

3-3106

Blue - Trucking Co.

## SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR	G	E	<b>IE</b>	RA	TO	R
-----------	---	---	-----------	----	----	---

Generator Name <u>EHS</u> <u>ENVIRON</u> Address <u>302 N.</u> <u>Provid</u> 55 <u>CAM JEN</u> N5 Phone No.		Generator Site/Location
Phone No		Phone No.
Approval Number BD2	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS 40.33 L TARE TARE 12.50 L RECALLED NET 27.83 L NET

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.

Jason PLUE WSKI (REPSG) at a pert	for some Ad 1	Phin !	3/31/06	
Generator Authorized Agent Name	Signature		Shipment Date	
. 10	TRANSPOR		Abot	_
Transporter Name	Drive	er Name (Print)	Asia	
Address Better J	Vehic	cle License No. / State	EPA No.	40
	Truc	k Number/	102	
I hereby certify that the above named in picked up at the generator site listed abo		reby certify that the ered without incident to x Add	o the destination	
		r Signature		Delivery Date
8	DESTINATI	N		
Site Name Soll Safe, Inc Br	ridgeport	Phone No	1-856-467-803	0
Address <u>378 Route 130 Logan Tow</u> No left tum on Rt. 130 North into the facility. Business hours are: Monday through Friday ment only.		to 10 PM By Appointme	ent only. Saturday	by appoint-
I hereby certify that the above named materiand accurate.	al has been accepted	*	nowledge the fore $331$	
Name of Authorized Agent	Signature		Recei	ipt Date

Name of Authorized Agent

While - Facility

Green - Facility

Signature Yellow - Generalor Pink - Broker

Goldenrod - Coniracior

#### SOIL SAFE, INC.

#### **NON-HAZARDOUS MATERIAL MANIFEST**

#### GENERATOR

Address FRONT ST CAMDEN NJ Phone No.	_ Address
LATINGEN NJ	
Phone No	A day of the second second second
	Phone No
Description of Material	ID 268 GROS
Approval Number Non-Regulated Petroleum	GROSS 4202121
Contaminated Soil	TARE
אסר DOT/RCRA Regulated Soli	NET 29.911 NET NE LOG 18 03/31/2006 09:0641
	03/31/2006 09:06A
	NSPORTER
Transporter Name	Driver Name (Print)
Address Blach	Vehicle License No. / State / EPA No. 15656 1
	Vehicle License No. / State / EPA No. <u>65656</u> Truck Number 57:56 (55# 267
I hereby certify that the above named material was	I hereby certify that the above named material
picked up at the generator site listed above.	delivered without incident to the destination listed below
An 3-3/10	Jahn J 3-31-04
Priver Signature Shipment Date	Driver Signature Delivery D
DES	STINATION
Site Name Soil Safe, Inc Brldgeport	Phone No. 1-856-467-8030
Address 378 Route 130 Logan Township, NJ 080	85
No Jost turn on Dt. 100 Month into the facility.	
No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. ment only.	5 PM to 10 PM By Appointment only. Saturday by appoi

S	ignature
Yellow - Generator	Pink · Broker

1.

Green · Facility

(oarao

Goldenrod - Contractor

33106

**Receipt Date** 

NON-HAZARDOUS MATERIAL MANIFEST

in .... in

Log Number

GENERA	ATOR
THIC ALL	enerator Site/Location
Ph	
Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	10 637 GROSS 39.261 TARE 127771 RECALLED TARE INFT 26.491 LOG 94 03/31/2006-09:1770NNAGE
	Contaminated Soil

i hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.

Jason PLUCIUSKI (REPSG) as a year for yeared	ARC'3	131/06
	ature	hipment Date
Transporter Name Tal Trucking Address Bear Del I hereby certify that the above named material was picked op at the generator site listed above.	Vehicle License No. / State Truck Number <u>THAT</u> I hereby certify that the	Ichael Ninneo IEPA No. CCIIOU 38 790 354637 above named material was the destination listed below.
Driver Signature 3/3/06 Shipment Date	Driver signature	mile 3/3/86 Delivery Date
DEST	INATION	'
Site Name Soil Safe, Inc Bridgeport	6	1-856-467-8030
Address378 Route 130Logan Township, NJ 080No left tum on Rt. 130 North into the facility.Business hours are: Monday through Friday 7 AM to 5 PM.ment only.		nt only. Saturday by appoint-
I hereby certify that the above named material has been acc and accurate.	cepted and to the best of my kr	nowledge the foregoing is true

Name o	f Authorized	Agent
--------	--------------	-------

While - Facility

Green - Facility

Signature
oignaturo

arcu

Yellow - Generator Pink - Broker Goldenrod - Contractor

01

3.3106 **Receipt Date** 

#### SOIL SAFE, INC.

#### **NON-HAZARDOUS MATERIAL MANIFEST**

#### GENERATOR

Generator Name		Generator Site/Location
Address 322 N. Frontst,		Address
Camden NO		SAU
Phone No		
Description of Material		ID 185 GROSS
Approval Number	Non-Regulated Petroleum	GROSS 40-13-TARE TARE 1.2-5:1 TARE
3021	Contaminated Soil Non DOT/RCRA Regulated	NEI 27.62.1 LOG 25 03/31/2006/09/34AT
or any applicable stat law, has been proper according to applicab	te law, is not a hazardous waster rly described, classified and papel ole regulations.	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation
Generator Authorized Agent Name Signature Shipment Date		
TRANSPORTER		
Transporter Name	TAT	Driver Name (Print) Charite
Address Bow DE		Vehicle License No. / State / EPA No. CLATA
		Truck Number 185/7:70

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

3-31-24 Charle

Shipment Date

Yellow - Generator

**Driver Signature** 

3-3+06

**Delivery Date** 

3106

**Receipt Date** 

3

Blue · Trucking Co.

#### DESTINATION

Site Name

**Driver Signature** 

Name of Authorized Agent

While - Facility

Soil Safe, Inc. - Bridgeport

Phone No. 1-856-467-8030

Goldenrod - Contractor

#### Address 378 Route 130 Logan Township, NJ 08085

Green - Facility

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

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

Pink - Broker

Signature

Log Number

## SOIL SAFE, INC.

## **NON-HAZARDOUS MATERIAL MANIFEST**

## GENERATOR

Generator Name	Generator Site/Location
Address 302 North Front St Camden NJ	
Phone No	_ Phone No
Description of Material	ID 124 GROSS
Number         Non-Regulated Petroleum           2 - 4         Contaminated Soil	GROSS 44:051 TARE 1.2:00 B. RECALLED TARE NET 31:051
3 02 1 Non DOT/RCRA Regulated	LOG 7 0 TONNAGE 03/31/2006:09:4341
or any applicable state law, is not a hazardous was	not contain free liquid as defined by 40 CFR Part 260.10 te as defined by 40 CFR Part 261 or any applicable state backaged, and is in proper condition for transportation
Generator Authorized Agent Name	gnature Shipment Date
	NSPORTER
Transporter Name	Driver Name (Print) Jet-Stevenson
Address	Vehicle License No. / State / EPA No. ADBO / N
	Truck Number
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Storiature Delivery Date
	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address <b>378 Route 130 Logan Township, NJ 080</b> No left turn on Rt. 130 North into the facility.	
I hereby certify that the above named material has been a	ccepted and to the best of my knowledge the foregoing is true

Name of Authorized Agent While . Fecility

7.	Carc	ia
Sigr	nature	
Yellow · Generator	Pink - Broker	Go

Green - Facility

Goldenrod - Coniracior

33106

**Receipt Date** 

Log Number

## SOIL SAFE, INC.

## NON-HAZARDOUS MATERIAL MANIFEST

## GENERATOR

Generator Name	15 ENVIRONALAI	Generator Site/Location
Address FR	HS ZNUTROMENTAL DNH ST AMOLON NT	Address
Phone No		Phone No.
Approv <b>a</b> l Number 3つみし	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	ID 268 GROSS GROSS 42.67.1 TARE TARE 1.2.30 TURECALLED NET 30137.1 TONNAGED
or any applicable st law, has been prop according to applica Mite Mithe	ate law, is not a hazardous waste erly described, classified and pa	not contain free liquid as defined by 40 CFR Part 260.10 e as defined by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation $\frac{3}{3}/(05)$

Generator Authorized Agent Name Signature Shipment Date TRANSPORTER **Transporter Name** Driver Name (Print) Address Vehicle License No. / State / EPA No. Truck Number O I hereby certify that the above named material was I hereby certify that the above named material was picked up at the generator site listed above. delivered without incident to the destination listed below. 231-06 **Driver Signature Delivery Date Driver Signature** Shipment Date DESTINATION Soil Safe, inc. - Bridgeport Site Name 1-856-467-8030 Phone No.\_ 378 Route 130 Logan Township, NJ 08085 Address No left turn on Rt. 130 North into the facility. Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. arcy 3/3//08 -KEPSO

Name of Authorized Agent White - Facility Green - Facility

Sigr	nature
Generalor	Pink - Broker

Goldenrod - Contractor

**Receipt Date** 

Log Number

# SOIL SAFE, INC.

# NON-HAZARDOUS MATERIAL MANIFEST

GE	ENERATOR
Generator Name <u>EHS</u> <u>ENVIRON</u> . Address <u>302</u> N; FRONTS <u>CAMDEN</u> , NJ	Generator Site/Location
adicial name <u>2712</u> OF CIET	
Address 301 10; FICED ()	Address
LAM den, NJ	
Phone No	Phone No
	10.102
Description of Material	GROSS 4219
Approval Number Non-Regulated Petroleu	TARE 12.50 T RECALLED TARE
Contaminated Soil	NEL 29.69 Land
Non DOT/RCRA Regulat	
	ed 03/31/2006 10:21MonNAGE
	es not contain free liquid as defined by 40 CFR Part 260.10
	aste as defined by 40 CFR Part 261 or any applicable state d packaged, and is in proper condition for transportation
according to applicable regulations.	10.
Sason PLUCIUSIKI (REPSG) as aged for generation Generator Authorized Agent Name	1 1 3/31/0G
Generator Authorized Agent Name	Signature Shipment Date
TBA	NSPORTER , , , )
1+	11.1 1
Transporter Name H	
Address BLAN DO	Vehicle License No. / State / EPA No. 7-40
I hereby certify that the above named material was picked up at the generator site listed above.	
picked up at the generator site listed above.	denvered without incident to the destination listed below.
JAK ANT 2-314	06 Arich 2-31-06
Driver Signature Shipment Dat	e Driver Signature Delivery Date
DE	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address 378 Route 130 Logan Township, NJ	
No left turn on Rt. 130 North into the facility.	8
	PM. 5 PM to 10 PM By Appointment only. Saturday by appoint-
ment only.	
I hereby certify that the above named material has been and accurate.	accepted and to the best of my knowledge the foregoing is true
d.	(garcia 3.31.06
Name of Authorized Agent S	Ignature Receipt Date

While - Facility Green - Facility

Goldenrod - Coniracior

Yellow - Generalor Pink - Broker

A	SOIL SA	AFE, INC.	Log Number
$\mathcal{O}$	NON-HAZARDOUS	MATERIAL MANIFE	EST
	GENE	RATOR	
Generator Name	C.H.D.	Generator Site/Location_	
Address 322	No Front St	Address	
Chu	ion NS		alle
Phone No		Phone No.	7
	Description of Material	=D 637	GROSS.
Approval Number	Non-Regulated Petroleum		O.ZB In TARE
3021	Contaminated Soil	NET 2	2.77 TRECALLED
Pour J	Non DOT/RCRA Regulated	106.38 03/31/	2006 LO: 37A
according to applicat <u>Mile Mide Applicat</u> Generator Authorized Transporter Name Address <u>Be</u>	Agent Name Sign	Vehicle License No. / Sta	3/3/06 Shipment Date
	, 1	Truck Number	170 - (03)
I have be matter at a	the above named material was	I hereby certify that the delivered without incident	e-above named material was to the destination listed below.
Driver/Signature	MANIE 3/16 Shipment Date DESTI		(MAR) 3/3/06 Deprvery Date
pickee up at the gene			
pickee up at the gene Driver Signature Site Name Address 378 Ro No left turn on Rt. 130	DESTI Soil Safe, Inc Bridgeport oute 130 Logan Township, NJ 0800	Phone No.	1-856-467-8030

Name of Authority	orized Agent
	While - Faoilily

Green - Facility

Signature Yellow - Generalor

Pink — Broker Goldenrod - Contractor **Receipt Date** 

## SOIL SAFE, INC.

Log Number

# NON-HAZARDOUS MATERIAL MANIFEST

## GENERATOR

Generator Name		Generator Site/Loca	ation
	liFront St. Lon NJ	Address	SPINSE
Phone No		Phone No.	
Approval Number 2-4 3821	Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS	<b>85</b> GROSS <b>40.25</b> TARE <b>12.51</b> T. RECALLED <b>27.74</b> NET <b>31/2006 10:49</b> TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, 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.

Mile Mithell - REPSG- Miles	Shulett 3/3/00
	gnature Shipment Date
TRA	NSPORTER T
Transporter Name	Driver Name (Print)
Address Bear DE	Vehicle License No. / State / EPA No. 2157633 Truck Number 185/ T=70
	Truck Number <u>185/T=70</u>
I hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Charlie 3-31-000	Challie 3-31-06 Driver Signature Delivery Date
Driver Signature Shipment Date	Driver Signature Delivery Date
DES	STINATION
Site Name Soil Safe, Inc Bridgeport	Phone No. 1-856-467-8030
Address 378 Route 130 Logan Township, NJ 080	85
	. 5 PM to 10 PM By Appointment only. Saturday by appoint-
ment only.	

Name of Authorized Agent

While - Facility

Green - Facility

Signature Yellow - Generator Pink - Broker

Goldenrod - Contractor Blue - Trucking Co.

**Receipt Date** 

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Client: REPSCA Inc. Address: 6901 Kingseschi													
6901 Kinsessing		Bill To:	Rérsa	5				ž	ars	S DAY 4	4 DAY CARA	Ner Ver	01 70 × 10
	Aue	Address:							Received	100	a mbient	DATE REGULTS NEEDED:	EEDED:
Phile pg 19142						Terms: Net 30 days	Net 30		Deliverab	le Package		Temp. Upon Receipt:	elpt:
E-mail: butscp(14) Fax #: (	215) 724 - 5820 State & 215) 227- 155 Program:	State & Program:		d L	Phone #:	[		Γ					20.00
Project Name: Carper Grant- Project #/PO#: 2263	huter	3	Preserva	# of Bottles Preservative Used	SFIS .	000		Ach	\$154			27	
Sampler: S. Rug (N5K) FIELD ID, LOCATION	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ANT ROLL	18 2 8 8 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	SNON HOS	1 2 2 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1+ 0A	200		22 22		(90 (83)	1.11	LABORATORY ID NUMBER
DISAOSA # 1 PIO:	3/31/2 14:30			m	×	>	' ×	XX	1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
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3-24	Г	X	- 11 3					TIME					TIME
													5
PID: 30%Fog Inner6;2 Date Time	RECEIVED RECEIVED	FIR I	DATE DATE DATE TIME	7/RELINQUISHED RELINQUISHED	UISHED			DATE		RECEIVE			PAGE

# Subcontractor Documentation/Costs

React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue P.O. Box 5377 Philadelphia, PA 19142 (215) 729-3220

CUSTOMER NO: 02-EHS

0057635-IN

Cooper Grant Project Camden, NJ

Page: 1

A 1999 - 10

EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062

ATTN: Jack Carney

.......

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04/05/2006 7274-002 BUZA

Disposal of Impacted Soils

12,250.00
0.00
53,365.24
53,365.24
53,365.24

Note: Please remit payment to our new address REPSG, Inc. P.O. Box 5377 Philadelphia, PA 19142

30 DAYS

Continued

React Environmental Professional Services Group, Inc. 6901 Kingsessing Avenue P.O. Box 5377 Philadelphia, PA 19142 (215) 729-3220

0057635-IN

Cooper Grant Project Camden, NJ

EHS Environmental, Inc. 9 South Main Street Mullica Hill, NJ 08062

ATTN: Jack Carney

Page: 1

306.00

47,759.24

500.00

4,800.00

04/05/2006 7274-002

FEE SCHEDULE

-Waste characterization analysis

(including sample collection):

-Soil Disposal, including transportation,

1,110.68 tons @ \$43/ton:

-Equipment Mobilization/

Demobilization:

-Loading of contaminated soil,

2 days @ \$2,400/day:

30 DAYS

Amount Due: 53,365.24

# **APPENDIX H**

Supplemental Remedial Investigation Field Documentation (Dresdner Robin, September 2007 to December, 2008) Soil Boring/Well logs, Groundwater Sampling logs, Well Records/Form B's

> 1999年夏19月,日本正确的第三人称单数的资源。 2月1日日 - 1995年1月1日日 -

Soil Boring/Well Logs

# Soil Boring/Well Details: B-3/TW-1

Project No: B-904-01 Project: ABC Barrel Client: Camden Red. Agency Location: Camden, NJ *Northing:* 407063.525 *Easting:* 316939.521 *Elevation:* 0 *Total Depth:* 20 feet Water Level: 10.82 feet Sampling Method: Bailer Sample Interval: Water Table Logged By: Ray Glover

S	AMF	PLE			SUBS	SURFACE PROFILE						
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft\m)	Symbol	Description	Formation	Remarks		Well mpletior Details	١	Elevation (Ft. MSL)
GW-1	NA	NA	5.5 0 0 0 0 0 0 0 0 0 0 0 0 0 8.5 0 0 0 0 8.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 1 \\ - \\ 2 \\ - \\ 3 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$		Light orange of SAND and of GRAVEL (bricks and concrete pieces), dry. Red brown mf SAND, tr SILT, GRAVEL, dry. Dark red brown of SAND, little to some fm gravel, tr c gravel (based upon drilling), moist. Rubble, debris (Based upon drilling). Brown mf SAND, trace to little c sand and gravel, tr Silt, little resistance to drilling. Dark brown to very dark gray mf SAND, tr to little c Sand, little to some Gravel, tr Silt and Clay. Very moist to wet. Very dark gray-brown mf SAND, little to some Gravel, trace Silt and Clay, wet Yellow-brown mf SAND, little Silt, trace fc Sand, trace Gravel (quartz), wet.	Fill Nat.	No odor, no stain. No odor, no stain.	2 inch 0.01 slot well screen	-	No.1 well gravel Riser pipe	-1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17 -18 -19 -20
Drilling	g Con	npan	y: Ta	basco Dri	lling	DRESDNER ROBI	N	Casi	ing Diar	neter:		

Drilling Company: Tabasco Drilling Driller: William Lightner Drilling Method: Hollow-stem auger Auger Size: 6 1/4 in OD/ 4 in ID Hole Diameter: 6 1/4 " in

DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302

Date Start: 9/6/07 Date Finish: 9/6/07 Checked By: RG Sheet 1 of 1

# Soil Boring/Well Details: MW-4

Project No: B-904-03 Project: ABC Barrel Client: Camden Redevelopment Agency Location: Camden, NJ *Northing:* 407060.3041 *Easting:* 316938.2953 *Elevation:* 12.74 *Total Depth:* 18' Water Level: 12' Sampling Method: Split Spoon Sample Interval: 2' Logged By: LAM

- 10 0.0 1- - 0.0	Description Lt. Orange and Red to Red Brown mf SAND, trace Silt, trace Clay, little to some cf Brick pieces, debris, some f Gravel. Dark Gray mf SAND, little Silt, little cf Gravel, little Brick.	⊒ Formation	Remarks Dry to moist, no odor, no stains.	Well Completion Details	+ <sup>-</sup> 5 <sup>-</sup> 1 (Ft. MSL)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Brown mf SAND, trace Silt, trace Clay, little to some cf Brick pieces, debris, some f Gravel. Dark Gray mf SAND, little Silt, little cf Gravel, little	Fill			-2 -3
21 16 0.3 5- 5 0.2 6-	Silt, little cf Gravel, little				• A I
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dark Gray mf SAND, little Silt, some Red Brick, little cf Gravel. Greenish Gray mf SAND,		Moist, no odor, no stains. Dry, no odor, no stains.	10 Slot PVC	-5 -6 -7 -8 -9 -10
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	little Gray Silt, trace cf Gravel, little Red Brick. Dark Gray cf SAND, little Gray Silt, cf Gravel. Dark Gray cm SAND, little Gray Silt, cf Gravel. End of Boring	Fill	Moist, no odor, no stains. Wet, no odor, no stains. Moist, no odor, no stains.		-11 -12 -13 -14 -15 -16 -17 -18 -19

Drilling Company: Tabasco Drilling Driller: William Lightner/William Anderson Drilling Method: Hollow Stem Auger Auger Size: 6 1/4" ID Hole Diameter: 10" DRESDNER ROBIN

371 Warren Street P.O. Box 38 Jersey City, NJ 07302 Casing Diameter: 4" Date Start: 10/07/08 Date Finish: 10/7/08 Checked By: RG Sheet 1 of 1 Groundwater Sampling Logs

## LOW FLOW SAMPLING

DATA SHEET

<b></b>												Sheet	1	of		•
Site: Date:	-		ABC	Barrel, Ca 21-Oct-	amden, NJ		-	Consu	ulting Firm:	Dres	dner Robin	Envirome	ntal Manag	ement		
Weather:			4	21-0ct- 4'F, Clear,			-	Field	Personnei:		Lyne	ette A. Matt	hews		-	
			r Well #: ermit #:	MW-4	-		Depth (ft): ameter (in):		18' 1"	Scree	ned/Open l	nterval (ft):	3'-	18'	-	
PID/FID Rea	adin		ppm):	Backgrou Beneath C Beneath II	Outer Cap: nner Cap:	0.6 0.6 0.6	- -		ike Depth: Water Befo		-		ft below T	oc		
	p	llng		<u>H</u> :u)		Conductivity		Potential		ved O2		<u>pidity</u>		erature		
Time	Purging	Sampling	Reading		Reading	S/cm) Change	(n Reading	Change	(mo Reading	Change	(N Reading	TU) Change	(Degr Reading	ees C) Change	Pump Rate (mi/min)	Depth to Water (Ft below TOC)
1030	X	_	7.41	NA	0.411	NA	163	NA	0.94	NA	46.8	NA	19.68	NA	250	13.49
1033 1036	X		7.48	-0.07	0.412	-0.001	147	16.0	0.84	0.10	48.9	-2.1	19.52	0.16	250	11.74
1036	X		7.51	-0.03	0.411	0.001	140	7.0	0.81	0.03	44.3	4.6	19.21	0.31	250	11.74
1039	X		7.54	-0.03	0.410	0.001	127	13.0	0.62	0.19	38.6	5.7	19.13	0.08	250	11.74
1041	X		7.57	-0.03	0.408	0.002	120	7.0	0.61	0.01	26.9	11.7	18.92	0.21	250	11.74
	X		7.58	-0.01	0.407	0.001	118	2.0	0.61	NA	26.3	0.6	18.91	0.01	250	11.71
1047	X	V	7.58	NA	0.406	0.001	117	1.0	0.60	0.01	26.6	-0.3	18.85	0.06	250	11.70
1048		X	7.58	NA	0.405	0.001	114	3.0	0.60	NA	26.7	-0.1	18.86	-0.01	250	11.70
			+/-	0.1	+/-	3%	+/-	10	+/- 1	0%	+/- 1	0%	+/-	3%		
COMMENTS	<b>;</b> :		sample was	clear, on o	dor or sheer	•										

## LOW FLOW SAMPLING

DATA SHEET

				-								Sheet	1	of	1	
Site: Date: Weather:				Barrel, Ca 15-Dec O'F, Breezy			-		ulting Firm: Personnel:		dner Robin	Envirome Frevor Reil		ement	_	
			r Well #: ermit #:	MW-4		Well Well Dia	Depth (ft): ameter (in):	1	<b>1.</b> 8,	Scree	ned/Open li	nterval (ft):	3'-	-18'	-	
PID/FID Rea	adin		ppm):	Backgrou Beneath C Beneath I	Outer Cap:	0.0 0.0 0.0					ft below To		ft below T	oc		
	Бu	Def         pH         Specific Conductivitient           G         (su)         (mS/cm)           E         8         8           Ø         Reading         Change				( <u>REDOX Potential</u> <u>Dis</u> (mv)			ved O2		Didity <u>Tempera</u> TU) (Degrees			Dumm Data	Darth to Water	
Time	Purging	Samp	Reading	ſ	Reading	Change	Reading	<i>.</i>	Reading	g/L) Change	Reading		(Degr Reading		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
1128	X		6.71	NA	0.633	NA	112	NA	0.46	NA	280.0	NA	17.96	NA	200	13.49
1133 1138	X X		6.75	0.04	0.601	-0.032	74	-38.00	0.22	-0.24	246.0	-34.00	18.48	0.52	200	11.74
1143			6.64	-0.11	0.596	-0.005	66	-8.00	0.18	-0.04	233.0	-13.00	18.99	0.51	200	11.74
1143	X X		6.60	-0.04	0.595	-0.001	62	-4.00	0.10	-0.08	222.0	-11.00	<del>19</del> .22	0.23	200	11.74
1148			6.60	0.00	0.595	0.000	59	-3.00	0.14	0.04	216.0	-6.00	19.7	0.48	200	11.74
1153	X		6.64	0.04	0.954	0.359	58	-1.00	0.00	-0.14	197.0	-19.00	19.67	-0.03	200	11.71
1158		X													200	
			-													
			+/-	0.1	+/-	- 3%	+/-	10	+/- 1	0%	+/- 1	0%	+/-	3%		
COMMENTS	): 		sample was	s clear, on o	dar or <del>sheer</del>	1										

Well Records / Form B's

## NUV-ZU-ZUUN INU UN:3N AM TABASCU UKILLING ANDO/Z/TUDZ Y. UUZ/UUS

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DWR-133M		EW JERSEY		PARTO	
5/06 d- (s,	DEPARTMENT OF ENVIRO		TECTION		
	TRENT	on nj		PSOFE	$\mathbf{F}$
Mall To:	MONITORING	WELL PEDMIT		Permit No.	
NJDEP		AA BUTTE I. BURNARI I.			
BUREAU OF WATER SYSTEMS	VALID ONLY AFTER AF	PROVAL BY TH	ED.E.P.		
AND WELL PERMITTING				Clark .	1.111
TRENTON, NJ 08625-0426		C	ORD #:	1.01.1	noto
A				196	
Owner CHINDEN KELLENTE	L part AL HELVY	Driller	A BELCY	· Deretary	1- Carlo
Address Comments of CUTy HALL	TE IT A PARA 45	Address	por.	20× 1874	•
Company Nort	DEINZ	-	111.1	71826 12	x 001.9
Name of Pacility AFC Print RE	Comas de STA	Dismost	11	Proposed	20 pm
		of Welles		Wes Debth of Welkin) Will pumping equipment	CAT (J Pent
Address <u>314 - 302 N. F</u>	NINT TAEFT	Applied for (mas. 10)	a	be utilized?	YES NO
Caller A.T.	C. A. R. March and C.	Type of Wall (ase reverse)		If Yes, give pump	1 cumulative CIPM
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	I LOCATION (	TR WELL(S)			a production of
Lot # Blook # Municipality		- #			
3-44 - 18 8 817	LAN COMMENT			(s) nearest roads,buil	
Canas Astes Man No	21	mari		n feet. Each well MU ind/or number on the	
State Atlas Map No.	<u></u>		WICH & UBINE 1	MANDI HAMMAR ON MA	, ANGICIN
<u>39 ° 58 ·</u>	3168	33+			
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		BLL LOCATION (NA			27 📟
	NJ STATE	PLANE COORDINA	TE IN US.SURVE	Y FBET	
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and the spectrum of spectrum of the second				<u>y any any any any any any any any any an</u>	na an a
FOR MONITORING WELLS, ABCOVERY WELLS, OR PIEZOM	PTERS, THE POLLOWING MUST BE COMPLETE			This Space for Ay	arovat Starovilla
	BEING INSTALLED:				
RCRA Site	🗂 Spill Əltə			WELL PERMIT	APPROVED
Le Undeground Storage Tank Sile	ISRA She	· ·		1	in the second
Operational Ground Water Permit Site	CERCLA (Superfund) Site	• * 2 * 4			···· • •
Trevestment and Residuals She				OCT 1	2008
Water and Hazardous Waste Enforcement Case	<b>C/</b>	SE I.D. Number	1		1945 Mar 15
Waltr Supply Aquifer Ton Observation Well			الموانة أوالم والجواج	BUREAU DE WAT	B SVC
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D.E.P. USE	une exemplement annened: (are next balle)				$\mathbf{I}$
SES REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAIN		<del>6,</del>			
In compliance with NJ.E.A.SOIA-14, application is made for a p					
Date Signat	ure of Driller			Registration No 74	Stories 1
<ul> <li>Signat</li> </ul>	ure of Property Owner'	1 . t. Server i	· · ·	1 J. Berry	
	· · · · · · · · · · · · · · · · · · ·				

4402	New Jersey Department of I Bureau of Wate			n	Well Permit N P2008011	
	MONITORING W	ELL R	ECORD		Atlas Sheet Co	
OWNER IDENTIFICATION CAMDE	IN REDEVELOPMENT AC	BENCY			310164	
Address SUITE 1300 / PO BOX 951	20 CAMDEN CITY HALL					
City Camden	State New Jers	ey		Zip C	ode 08102	
WELL LOCATION - If not the same as o	wner please give address	Ov	vner's Well N	Io. MU	J-1	
County Camden Municipa			Lot No. 38			
Address 314-322 N. FRONT STREET / 1	WW1 ABC BARREL COM	PANY SIT	I			
WELL USE Monitoring		DAT	E WELL ST	ARTED	10-7-08	
					010-7-02	)
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt./Rating
Total Depth Drilled 18 ft.	from land surface Single/inner Casing	Top (fl.)	Bottom (ft.)	(inches)		(lbs/sch no.)
Finished Well Depth 18 ft.		0	3	<u> </u>	PVC	Scil 40
Borehole Diameter:	Middle Casing (for triple cased wells only)					
Top <u>10</u> in. Bottom <u>10</u> in,	Outer Casing (largest diameter)					
Well was finished: above grade	Open Hole or Screen (No. Used , O)	3	18	4	Pre	5cH 40
If finished above grade, casing height (stick up) above land surface NA ft.	Blank Casings (No. Used )					
	Tail Piece					
Steel protective casing installed?	Oravel Pack	<u></u>	<u>ाक</u>	0	MO. 1 WellSAMP	500125
Static Water Level after drilling ( ft.	Grout	0	2	10	Neat Cement Bentonite	94 lbs 5 lbs
Water Level was Measured Using M-S			routing Metho	P\.	cement	
Well was developed for . 5 hours	- (		rilling Method		A	
at gpm				GEOLOG		
Method of development Submers	ble pump		each death when		countered in consolidet	
Pump Capacity gp	1 1		ations			
Pump Type 12 Volt whole		2			wind Rubel	
Drilling Pluid <u>N/A</u> Type of	of Rig Diedrich D-12			red sp	and to fire	
Health and Safety Plan Submitted? 🙀 Yes					FR IN FIFS	
Level of Protection used on site (circle one)	None (D) C B					
•		1		······································		
				· · · · · · · · · · · · · · · · · · ·		
I certify that I have constructed the above re accordance with all well permit requirement rules and regulations.						
Drilling Company TABASCO DRILLING	CORP				L LOCATION	
Well Driller (Print) William, L	Lighther				NTAL DATUM)	
Driller's Signature	52	NJE	STATE PLANI	e coordii	NATE IN US SURV	ey feet
Registration No. Mw-21573	Date 10/8/00	NOR	THING:		EASTING:	
				OR		
		LATIT	'UD <b>E:°</b> _	'- "1	ONGITUDE:	· ·

COPIES: DRILLER

HEALTH DEPARTMENT

OWNER

¥850/2/1052

ase Number(s) 95-	09-14-1206-53			UST #, ISRA	#, Incident # or EPA #)
AND SURVEYOR'S	CERTIFICATION				
/ell Permit Number:			P2008011	109	
l'his number must be	permanently affixed to the	e well casing)			
wners Well Number (	As shown on application	or plans):	<u>MW-4</u>	<u></u>	
ieographic Coordinati	NAD 83 (to nearest 1/1)	) of second):			
ongitude:	West	75' 07" 29.6'	Latitude:	North	39* 56* 57.5'
ew Jersey State Plan	e Coordinates NAD 83 to	nearest 10 feet:			
	North	407,060		East	316, <b>938</b>
levation of Top of Inn ference mark (neares	er Casing (cap off) at at 0.01'):				12.40
levation of Top of Cov	/er				12.74
levation of Ground (ne	earest 0.1)				12.7
ource of elevation dat lentify here, assume d	um (benchmark, number/ latum of 100', and give ap	description and elevati pproximated actual elev	ion/datum. If an ( ration.)	on-site datum is	i used,
	at sublished station	ed NJ inst of Tech 2 (	N 1195		

#### AUTHENTICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that , based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

2/24/03 DATE

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Timothy R. Corcoran, Professional Land Surveyor, New Jersey License Number 36715 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Dresdner Robin, 4300 Haddonfield, Pennsauken, NJ 080109 PHONE: PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

ase Number(s)	95-09-14-1206-53			UST # ISRA	#, Incident # or EPA #)
.,				-	
/ell Permit Numt					
This number mu	t be permanently affixed to	o the well casing)			
wners Well Nur	ber (As shown on applicat	ion or plans):	MW-3		
eographic Coord	linate NAD 83 (to nearest	1/10 of second):			
ongitude:	West	75' 07" 32.0'	Latitude:	North	39' 56" 57.4'
iew Jersey State	Plane Coordinates NAD 8	3 to nearest 10 feet:			
	North	407,058		East	316,751
levation of Top o eference mark (n	f Inner Casing (cap off) at earest 0.01'):				9.07
levation of Top o	f Cover				9.46
levation of Grour	id (nearest 0.1)				9.5
ource of elevatio lentify here, assu	n datum (benchmark, num me datum of 100', and give	ber/description and elevati a approximated actual elev	on/datum. If an ( ation.)	on-site datum ie	i used,
PUS Solution, N	learest published station	used NJ inst of Tech 2 (	NJI2)		

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SEAL

2/24/09 DATE

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Timothy R. Corcoran, Professional Land Surveyor, New Jersey License Number 38715 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Dresdner Robin, 4300 Haddonfield, Pennsauken, NJ 080109 PHONE: PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

Name of Owner:	Camden Redevelopment	Agency (CRA)			
Name of Facility:	ABC Barrel Company				
Location:	314-322 North Front Stree	t (Block 62, Lots 38 and 4	15), City of Cam	den, Camder	County, NJ
Case Number(s)	95-09-14-1206-53			_(UST #, ISI	RA #, Incident # or EPA #)
LAND SURVEY	DR'S CERTIFICATION				
Well Permit Num	ber:			····	
(This number mu	st be permanently affixed to	the well casing)			
Owners Well Nun	nber (As shown on application	on or plans):	MW-2		
Geographic Coord	dinate NAD 83 (to nearest 1	/10 of second):			
Longitude:	West	75" 07" 31.7'	Latitude:	North	39 <b>* 56* 58.3</b> '
New Jersey State	Plane Coordinates NAD 83	to nearest 10 feet:			
	North	407,145		East	316,779
Elevation of Top of reference mark (n	of Inner Casing (cap off) at learest 0.01'):				9.69
Elevation of Top of	of Cover				9.8 <del>9</del>
Elevation of Grou	nd (nearest 0.1)				9.9
Source of elevation identify here, assu	n datum (benchmark, numb ume datum of 100', and give	er/description and elevati approximated actual elev	on/datum. if an ( ation.)	on-site datun	n is used,
OPUS Solution, I	Nearest published station	used NJ inst of Tech 2 (	NJI2)		
Significant observ	ations and notes:				

## AUTHENTICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that , based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

2/26/09

Timothy R. Corcoran, Professional Land Surveyor, New Jersey License Number 38715 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Dresdner Robin, 4300 Haddonfield, Pennsauken, NJ 080109 PHONE: PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

Name of Owner:	Camden Redevelopment	Agency (CRA)			
Name of Facility:	ABC Barrel Company				
Location:	314-322 North Front Stree	et (Block 62, Lots 38 and 4	15), City of Cam	den, Camden	County, NJ
Case Number(s)	95-09-14-1206-53			UST #, ISR	A #, Incident # or EPA #)
LAND SURVEYO	R'S CERTIFICATION				
Well Permit Numb	er:				
(This number mus	t be permanently affixed to	the well casing)			
Owners Well Num	ber (As shown on applicati	on or plans):	MW-1		
Geographic Coord	linate NAD 83 (to nearest 1	/10 of second):			
Longitude:	West	75* 07** 29.9*	Latitude:	North	39° 56" 57.9'
New Jersey State	Plane Coordinates NAD 83	to nearest 10 feet:			
	North	407,106		East	316,922
Elevation of Top of reference mark (ne	f Inner Casing (cap off) at sarest 0.01'):				12.16
Elevation of Top of	Cover				12.61
Elevation of Groun	d (nearest 0.1)				12.6
Source of elevatior dentify here, assu	n datum (benchmark, numb me datum of 100°, and give	er/description and elevation approximated actual elev	on/datum. if an ( ation.)	on-site datum i	is used,
OPUS Solution, N	earest published station	used NJ inst of Tech 2 (	NJI2)		
Significant observa	tions and notes:				

#### AUTHENTICATION

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SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

2/24/07

Timothy R. Corcoran, Professional Land Surveyor, New Jersey License Number 38715 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Dresdner Robin, 4300 Haddonfield, Pennsauken, NJ 080109 PHONE: PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

# **APPENDIX I**

Sensitive Population Checklist Documentation

# Sensitive Population & Resource Checklist

Guidance for preparing the Checklist is available at http://www.nj.gov/dep/srp/guidance/public\_notification/

## Please provide the following information:

- 1. Name, Address, Telephone and Email of Person Responsible for Conducting the Remediation
- 2. Site Name, Address, Municipality and County, Tax block and lot number(s)
- A list of any Site Identifiers, as applicable: a) Program Interest name and number (Preferred ID#) b) ISRA ID Number, c) Case Number or Incident Report Number, d) UST Registration Number, or e) Date of each No Further Action (NFA) letter for the site
- 4. Municipal Contact, if any, and contact information
- 5. Case manager, if assigned

# Check below all sensitive populations and resources that are located within 200 feet of the property boundary, and attach supporting information.

- Residences: list addresses (multiple addresses may be summarized as Residences 1-10 Main Street)
- Potable wells: list potable wells and their locations
- Public and private schools that teach students in any of the grades kindergarten through twelve
- □ Child care facilities: list names and addresses
- □ Public parks and playgrounds: list names and addresses
- □ Surface water bodies: list names and locations
- □ Tier I well-head protection areas: list locations
- Environmental Justice Petition neighborhoods
- □ Languages other than English predominantly spoken by property owners and tenants: list alternative language(s)

OR

□ There are NO sensitive populations located within 200 feet of the property boundary

## NOTE:

# If any sensitive populations and resources are identified:

A scaled map indicating the location of the site and the location of each sensitive population and resources shall be submitted in hard copy and electronically. Guidance for producing electronic maps is available at the Department's Geographic Information Systems website (http://www.nj.gov/dep/gis/newmapping.htm), which provides users with guidance and links to internet mapping applications and data downloads.

## SENSITIVE RECEPTOR EVALUATION

On behalf of the Camden Redevelopment Agency (CRA), DRESDNER ROBIN has prepared this Sensitive Population and Resource Checklist for the Site designated as the ABC Barrel Company Site, located at 308-322 North Front Street and 320 North 2<sup>nd</sup> Street in the City of Camden, Camden County, New Jersey. A copy of the completed checklist is attached.

The Site has been identified as Program Interest No. 006594 under NJDEP's Southern Bureau of Field Operations (BFO-S) and has a Case Number of 95-09-14-1206-53 as a result of a historical discharge from the a UST. The case manager for the property is Ms. Cheryl Priest.

## SENSITIVE POPULATIONS AND RESOURCES

#### Residences

Several residential buildings have been identified within 200 feet of the Site boundary and the addresses are listed below:

- 101-125 Linden Street
- 410-412 North 2<sup>nd</sup> Street
- 310, 328 and 330 North 2<sup>nd</sup> Street
- 310-338 Point Street
- Block 69, Lot 1 identified as 215 North 3<sup>rd</sup> Street and utilized as a dormitory by Rugters University.
- 100-122 Linden Street
- 317 and 319 North 2<sup>nd</sup> Street
- 101-119 Penn Street

The residential properties were identified by using tax record information from public web pages, tax maps, City of Camden Tax Assessor and aerial photography. A scaled map indicating the locations of the residences is attached as **Figure 1**.

#### Potable Wells

No Public Community Supply Wells have been identified within 200 feet of the Site boundary using the NJDEP GIS database and i-MapNJ. The search results are attached as **Figures 1** and **2**, respectively.

#### Public and Private Schools

No public or private schools were identified as a Known Contaminated Site or NJEMs Site within 200 feet of the Site boundary using i-MapNJ or on the NJ Department of Education list of schools.

#### **Child Care Facilities**

No child care facilities were identified as a Known Contaminated Site or NJEMs Site within 200 feet of the Site boundary using i-MapNJ or on the NJ Department of Education licensed child care facilities list.

#### Public Parks and Playgrounds

A playing field is identified within a 200 foot radius of the Site boundary using i-MapNJ, or aerial photography and the NJDEP GIS database. The search results are attached as **Figures 1** and **2**, respectively.

### Surface Water

No streams or other water bodies were identified on the Site or properties within a 200 foot radius of the Site boundary based on i-MapNJ, aerial photography or the NJDEP GIS database. The search results are attached as **Figures 1** and **2**, respectively.

#### Tier 1 Well-Head Protection Areas

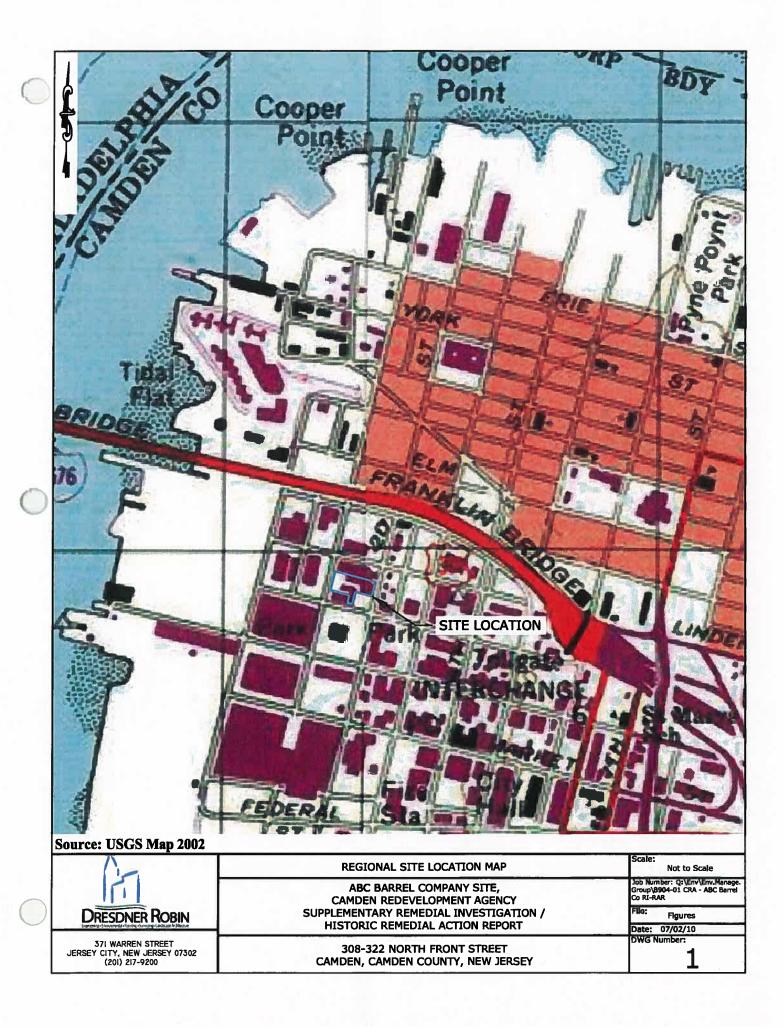
No community and non-community well head protection areas were identified on the Site or properties within a 200 foot radius of the Site boundary based on i-MapNJ and the NJDEP GIS database.

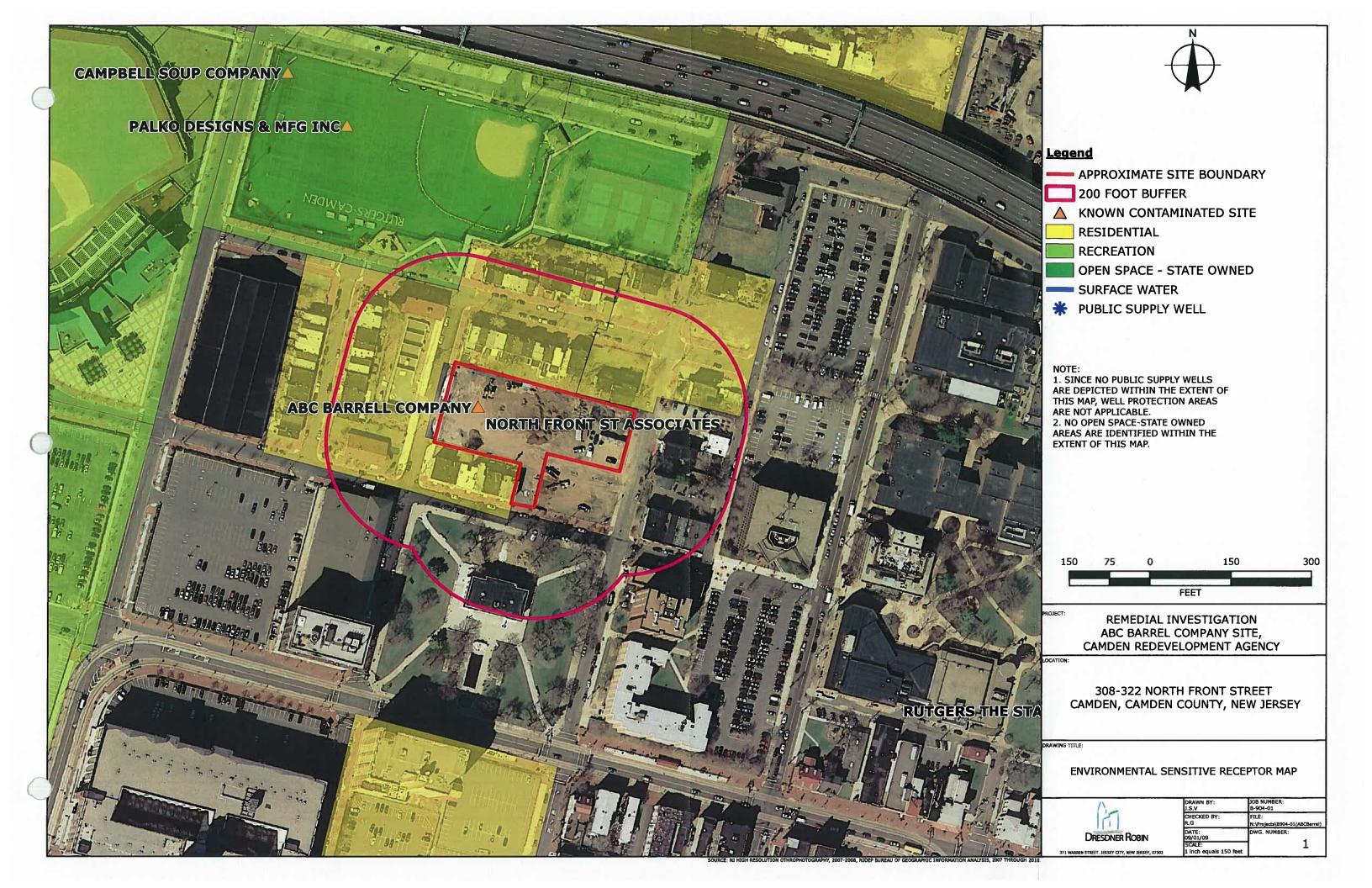
#### Environmental Justice Petition Neighborhoods

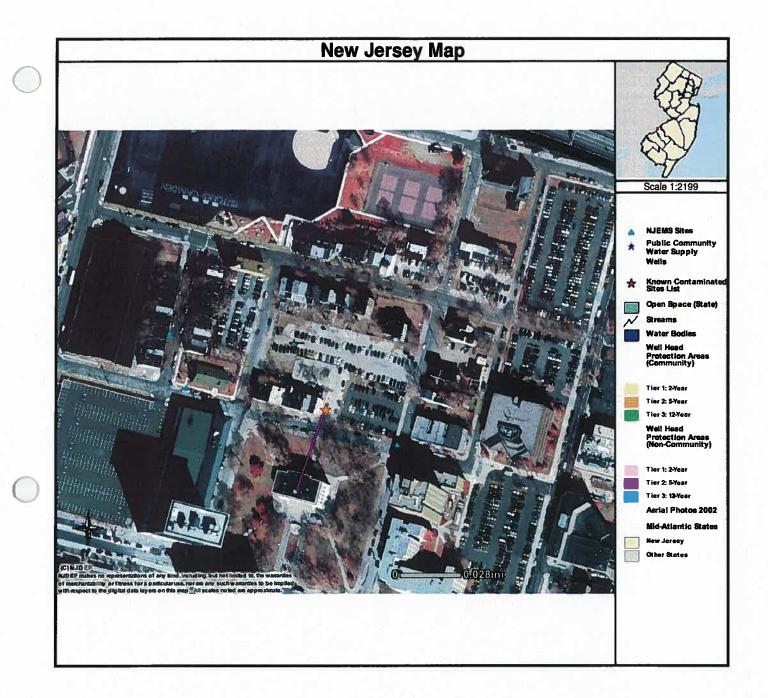
The Site and properties located within 200 feet of the Site boundary are located in a municipality where an Environmental Justice Petition has been selected by the New Jersey Environmental Justice Task Force to advance to action plan development. The petition is for various concerns regarding environmental remediation and public health. A list of environmental Justice Petition neighborhoods by the NJ Environmental Justice Task Force and the USEPA Environmental Justice program is attached.

#### Language Other Than English Predominantly Spoken

Based on 2000 Census data, approximately 42.2-46.0% of the population at the Site and within 200 feet of the Site boundary speak a language other than English. Based on the 2005-2007 3-year estimate, approximately 35.5% of the population in the City of Camden (5 years and older) speaks a language other than English.







Rec	NJEMS Site ID (e.g. 00012345)	Site Name	Address Line 1	Address Line 2	City	State	Zip Code	County	Municipality	x	Y
1	60259	AABCO STEEL DRUM INC	308 322 FRONT ST		CAMDEN	NJ	08102	CAMDEN	CAMDEN CITY	316816	407105

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1. 200

			NJE	EMS Site	es	_	_				
Rec	NJEMS Site ID (e.g. 00012345)	Site Name	Address Line 1	Address Line 2	City	State	Zip Code	County	Municipality	x	Y
1	153526	VERIZON COMMUNICATIONS INC	N 2ND ST & PENN ST		CAMDEN CITY	NJ	08102	CAMDEN	CAMDEN CITY	317066	406859

## Query/Selection Results

Re		Site Id	KCSL Name	Address	Municipality	County	Zip	PI Number	Lead Program	Case Statua	Status Date	Remediai Level	Classification Exception Area (CEA) Status	CEA Date	Deed Notice Status	Deed Notice Date	Engineering Control	Engli Čo C
1	60	0259	NORTH FRONT ST ASSOCIATES	308- 322 N FRONT ST	Camden City	Camden	08102	006594	BFO-S	Active	Fri, 24 Jan 1997 00:00:00	C2: Formal Design - Known Source or Release with GW Contamination	None		None		None	

Known Contaminated Sites List

e so ga sera de la

school3

code

type		
Principal Plsc (856)966-5 EL (856)966-2 FO (856)966-2 FO (856)966-5 EL		08103         (856)966-8 ELEMENT, 12           08105         (856)966-8 ELEMENT, 12           08105         (856)966-8 ELEMENT, 12           08104         (856)966-8 ELEMENT, 12           08104         (856)966-8 ELEMENT, 12           08104         (856)966-8 ELEMENT, 12           08104         (856)966-8 ELEMENT, 12           08103         (856)966-8 ELEMENT, 12           08103         (856)966-8 ELEMENT, 12           08103         (856)966-8 ELEMENT, 12           08103         (856)966-5 ELEMENT, 12           08105         (856)966-5 ELEMENT, 12
		08103 08102-221 08102-221 08104 08103 08103 08103-205 08105 08105 08105 08105 08105 08105
state SET ST	<u></u>	2222222222222222222
city CAMDEN Camden CAMDEN CAMDEN	CAMDEN Camden CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN	CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN CAMDEN

Principal Fi Principal Li Principal IT Address Line 1 Address Line 2 Elleern Rock Principal NE Copewood Street Sharon Woodridge Principal NED & PARK BLVDS Sandra Sin Foster Principal SARD & ARK BLVDS Sandra Sin Foster Principal SARD & ARK BLVDS Sandra Sin Foster Principal SARD & ARK BLVDS Davida Coe-Brock Principal SARD & MICKE STS Davida Coe-Brock Principal STH & MICKE STS Davida Coe-Brock Principal STH & CRMER Robin Wyche Principal STH & CRMER Robin Wyche Principal STH & CRMER Ranny Principal STH & Stevent Street Maxine Campbel Principal Street Stevent Street Jonnes Acting Principal Street Stevent Street John Ranalls Principal Street Stevent Street John Ranalls Principal Street Street John Ranalls Principal Street Street Louis Maxon Principal Street Street Louis Maxon Principal Street Street John Bardet Ave Louis Maxon Principal Street Street John Ranalls Principal Street Street John Ranalls Principal Street Street John Ranalls Principal Street Street John Bardet Ave Louis Maxon Principal Street Street Maxin Principal Street Street Maxin Principal Street Street John Ranalls Principal Street Street Maxin Principal Street Street Maxin Principal Street Street John Ranalls Principal Street Street Maxin Aderson Principal Street Street Maxin

Count	y Coi County Na	a District	County Cor County Nai District Cox District Name	School Co	School Cox School Name	Title
02	CAMDEN	-		100	Bonsall E.S.	ä
07	CAMDEN	0680	CAMDEN CITY	029	Brimm Medical Arts H.S.	Mr.
07	CAMDEN	0680	CAMDEN CITY	030	Camden H.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	165	Cooper's Poynt E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	170	Cramer E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	240	Creative and Performing Arts I Ms.	HMs.
07	CAMDEN	0680	CAMDEN CITY	180	Davis E.S.	
07	CAMDEN	0680	CAMDEN CITY	190	Early Childhood Development	t-Ms.
6	CAMDEN	0680	CAMDEN CITY	045	East Camden M.S.	
02	CAMDEN	0680	CAMDEN CITY	205	Forest Hill E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	350	H. B. Wilson E.S.	Ms.
67	CAMDEN	0680	CAMDEN CITY	210	Hatch M.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	010	Jerrothia Riggs Adult Educatio Mr.	o Mr.
07	CAMDEN	0680	CAMDEN CITY	215	Lanning Square E.S.	ة م
02	CAMDEN	0680	CAMDEN CITY	230	McGraw E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	245	Morgan Village M.S.	Mr
6	CAMDEN	0680	CAMDEN CITY	145	Octavius Catto Demonstration Schoo	1 School
67	CAMDEN	0680	CAMDEN CITY	260	Parkside E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	270	Powell E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	020	Pyne Poynt Family M.S.	Mr.
07	CAMDEN	0680	CAMDEN CITY	250	Raphael Cordero Molina E.S.	Mr.
02	CAMDEN	0680	CAMDEN CITY	175	Riletta T. Cream E.S.	Ms.
07	CAMDEN	0680		300	Sharp E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	027	South Camden Alternative Sci Dr.	rDr.
07	CAMDEN	0680	CAMDEN CITY	310	Sumner E.S.	Mr.
07	CAMDEN	0680	CAMDEN CITY	320	U.S. Wiggins E.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	080	Veterans Memorial M.S.	Ms.
07	CAMDEN	0680	CAMDEN CITY	330	Washington E.S.	Mr.
6	CAMDEN	0680	CAMDEN CITY	340	Whittler E.S.	Ms.
20	CAMDEN	0680	CAMDEN CITY	040	Woodrow Wilson H.S.	Mr.
20	CAMDEN	0680	CAMDEN CITY	360	Yorkship E.S.	Ms.

Page 1

NJ Department of Children and Families Licensed Child Care Centers As of 8/5/09

COUNTY	COUNTY CENTER NAME	ADDRESS 1	ADDRESS 2	CITY	erare.	014	AGES	LIC.	
ADDINAL AN	Junior Woman's Club of						SERVED	SERVED CAPACITY	Junei
	Barrington	229 TRENTON AVE	1	BARRINGTON	īZ	8007	21/2 to 6	15	8565470706
	Tender Loving Care University V	I 20 CLEMENTS BRIDGE RD		BARRINGTON	īz	8007	0 to 6	54	8565466969
	The Birchtree Academy	112 CLEMENTS BRIDGE RD		BARRINGTON	Z	8007	0 10 6	30	8565479333
	Just Kids - Bellmawr Park School	29 PEACH RD		BELLMAWR	īz	8031	6 to 13	60	8569052024
	Just Kids - Ethel Burke School	<b>BLACK HORSE PIKE</b>		BELLMAWR	Z	8031	6 to 13	60	8569052025
	Little V.I.P.'s Preschool	<b>318 E BROWNING RD</b>		BELLMAWR	ĨN	8031	0 to 6	1	8569311811
	Berlin United Methodist Nursery School	151 S WHITE HORSE PIKE		BERLIN	ĩ	8009	21/4 to 6	35	8567677408
	Carousel of Learning, Inc.	189 WATSONTOWN NEW FREEDOM RD		BERLIN	R	8009	0 10 6	51	8568090899
	CDI Head Start at Berlin Center	306 SPRUCE AVENUE		BERLIN	Z	8009	2½ to 6	21	8569642100
	Kiddie Junction	158 W. WHITE Horse pike		BERLIN	Z	8009	0 to 6	47	8567531355
	Kiddie Junction, LLC d/b/a Kiddie Junction Child Development	9 LINDEN AVENUE		BERLIN	Z	08009- 9004	0 to 13	47	8567677878
	BPUM Child Development Center. Inc.	COLLEGE DR		BLACKWOOD	Z	8012	2½ to 13	72	8562276872
	start at Blackwood	35 E. CHURCH STREET		BLACKWOOD	Z	8012	2½ to 6	56	8569642100
1.1	Mother Goose Learning Center	200 LITTLE GLOUCESTER RD		BLACKWOOD	Z	8012	0 to 13	112	8562270012
	Schearer Learn and Play	536 S BLACK HORSE PIKE		BLACKWOOD	Z	8012	2½ to 13	27	8563741010
	Sonshine PreSchool & Daycare	1583 BLACKWOOD- CLEMENTON RD		BLACKWOOD	z	8012	2½ to 13	30	8562285050
	The Learning Experience	606 LITTLE GLOUCESTER ROAD		BLACKWOOD	Z	8012	0 to 13	182	9735395392
		MAUDE AVE		BROOKLAWN	Z	8030	2½ to 6	40	8564560370
		250 FEDERAL STREET		CAMDEN	Z	8103	0 10 6	45	8566350002
	Angels Alley Child Care Center	1555 HADDON AVE	1. U.	CAMDEN	NJ	8103	0 to 6	78	8563657961

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et         601 VINE STREET         R.C. MOLINA ELEMENTARY         CAMDEN         NJ         8102         6 to 13           Iter         1157 HADDON AVE         SCHOOL         CAMDEN         NJ         8104         0 to 13           Iter         1157 HADDON AVE         CAMDEN         NJ         8103         0 to 13           Iter         1157 HADDON AVE         CAMDEN         NJ         8104         0 to 13           Iter         1194 AND 1200         CAMDEN         NJ         8103         0 to 13           Inde         STREET         CAMDEN         NJ         8103         0 to 13           Inde         STREET         CAMDEN         NJ         8103         0 to 13           Inde         STREET         CAMDEN         NJ         8103         0 to 13           Into Park Blud         CAMDEN         NJ         8103         0 to 13           Into Park Blud         CAMDEN         NJ         8103         0 to 13           Into Park Blud         CAMDEN         NJ         8103         0 to 13           Into Park Blud         CAMDEN         NJ         8103         0 to 13           Into Park Blud         IntoPark Blud         CAMDEN         NJ	COUNTY	CENTER NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	d12	AGES	CABACITY	PHONE
Bernies Milter Day Care Center         1157 HADDON AVE         CAMDEN         NJ         8102           By V Day Care Center         1194 AND 1200         CAMDEN         NJ         8103           Boys & Girls Club of Canden         VORSHET         CAMDEN         NJ         8103           Boys & Girls Club of Canden         T/09 Park Blyd         CAMDEN         NJ         8103           Boys & Girls Club of Canden         1709 Park Blyd         Camden         NJ         8103           Bound         POUND         NJ         8104         8103           Bround         Dove Center         1709 Park Blyd         Canden         NJ         8103           Bround         Bround         NJ         STEET         CAMDEN         NJ         8103           Brounds Earni         Street         250 LINE STREET         CAMDEN         NJ         8103           Brounds Development,         S0 W STREET         CAMDEN         NJ         8103         313           Brounds Brounds of Life DayCare         STREET         CAMDEN         NJ         8103         3105           Brounds Development,         S0 W STREET         CAMDEN         NJ         8103         3105         3105           Brounds Development		Aspira Family Friendly Center		R.C. MOLINA ELEMENTARY SCHOOL	CAMDEN	R	8102	6 to 13	50	8569668969
BL V Day Care Center     1194 AND 1200     Roll Cub of Canden Co- SOUTH DUDLEY     CAMDEN     NJ     8104       Boys & Girls Club of Canden     2 SOUTH DUDLEY     CAMDEN     NJ     8105       Boys & Girls Club of Canden     1709 Park Blvd     Canden     NJ     8103       Boys & Girls Club of Canden     1709 Park Blvd     Canden     NJ     8103       BrUM Child Development, Inclue.West Street     1709 Park Blvd     Canden     NJ     8103       BrUM Child Development, Inclue.West Street     201 LINE STREET     CAMDEN     NJ     8103       BrUM Child Development, Inclue.West Street     301 W STREET     CAMDEN     NJ     8103       Brudway Family Center     250 LINE STREET     CAMDEN     NJ     8103       Building Blocks of Life DayCare     370 FEDERAL     CAMDEN     NJ     8103       Canden Day Nursery Association     375 FE VENS     CAMDEN     NJ     8103       Canden Day Nursery Association     370 FEDERAL     CAMDEN     NJ     8103       Canden Day Nursery Association     370 FEDERAL     CAMDEN     NJ     8103       Canden Day Nursery Association     370 FEDERAL     CAMDEN     NJ     8103       Canden Day Nursery Association     370 FEDERAL     CAMDEN     NJ     8103       Canden Day Nurse		Bernice Miller Day Care Center	<b>1157 HADDON AVE</b>		CAMDEN	Z	8102	0 to 6	45	8565413060
Boys & Girls Club of Canden Co-     SOUTH DUDLEY     CAMDEN     NJ     8105       Marjorie & Lewis Kar. E Cande     STREET     Canden     NJ     8105       Doutiny     Ebys & Girls Club of Canden     1709 Park Blvd     Canden     NJ     8103       Doutiny     BPUM Child Dev. Centers,     1200-04 ATLANTIC     Canden     NJ     8103       BPUM Child Dev. Centers,     1200-04 ATLANTIC     CAMDEN     NJ     8103       BPUM Child Dev. Centers,     1200-04 ATLANTIC     CAMDEN     NJ     8103       BPUM Child Dev. Centers,     301 W STREET     CAMDEN     NJ     8103       Broadway Family Center     250 LNIE STREET     CAMDEN     NJ     8103       Broadway Family Center     250 LNIE STREET     CAMDEN     NJ     8103       Campellis Family Center     1CAMDEN     NJ     8103     105       Campellis Family Center     1CAMDEN     NJ     8103     103       Campellis Family Center     1CAMDEN     NJ     8103     103       Campellis Family Center     1CAMDEN     NJ     8103     103       Campellis Panily Center     1CAMDEN     NJ     8103     103       Campellis Panily Center     1CAMDEN     NJ     8103     103       Campol Development <td></td> <td>BLV Day Care Center</td> <td>1194 AND 1200 YORKSHIP SQUARE</td> <td></td> <td>CAMDEN</td> <td>Z</td> <td>8104</td> <td>0 to 13</td> <td>68</td> <td>8569634496</td>		BLV Day Care Center	1194 AND 1200 YORKSHIP SQUARE		CAMDEN	Z	8104	0 to 13	68	8569634496
Boys & Girls Club of Camden         1709 Park Blvd         Canden         NJ         \$103           BPUM Child Dev. Centers, BPUM Child Dev. Centers, InecSouth Canden Canter, BPUM Child Development, InecSouth Canden Canter, BPUM Child Development, InecSouth Canden Canter, BPUM Child Development, InecSouth Canden Canter, Broadway Family Center, Canden Day Nursery Association 3710 FEDERAL Buiding Blocks of Life DayCare 3710 FEDERAL Canden Day Nursery Association 3775 FE VENS         CaMDEN         NJ         \$103           Runden Day Nursery Association STREET         250 LINE STREET         CAMDEN         NJ         \$103           Canden Day Nursery Association STREET         270 LINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         1002 PLIE         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN         NJ         \$103           Campbell's Family Center         102 PINE STREET         CAMDEN		Boys & Girls Club of Camden Co- Marjorie & Lewis Katz E Camde		•	CAMDEN	R	8105	6 to 13	405	8569122710
BPUM Child Dev. Centers, Inc/South Canden Centers, BPUM Child Development, BPUM Child Development, Camden Day Nursery Association STREET       Izo0-44 ATLANTIC       CAMDEN       NJ       8104         BPUM Child Development, BPUM Child Development, BPUM Child Development, Camden Day Nursery Association STREET       250 LINE STREET       CAMDEN       NJ       8103         Camden Day Nursery Association STREET       237 STEVENS       CAMDEN       NJ       8103       8103         Camden Day Nursery Association STREET       237 STEVENS       CAMDEN       NJ       8103       8103         Campbell's Family Center       1602 PINE STREET       CAMDEN       NJ       8103       8103         Campbell's Family Center       1602 PINE STREET       CAMDEN       NJ       8103       8103         Campbell's Family Center       1602 PINE STREET       CAMDEN       NJ       8103       8103         Campbell's Family Center       1602 PINE STREET       CAMDEN       NJ       8103       8103         Campbell's Family Center       1602 PINE STREET       CAMDEN       NJ       8103       8103         Catery Catery Learning at Canterville       1475 S. 8TH STREET       CAMDEN       NJ       8103		Boys & Girls Club of Camden County			Camden	Z	8103	6 to 13	325	8569669700
BPUM Child Development, Inc.Inc.West Street         501 W STREET         CAMDEN         NJ         8103           Bruadway Family Center         2.50 LINE STREET         CAMDEN         NJ         8103           Building Blocks of Life DayCare         3710 FEDERAL         CAMDEN         NJ         8103           Building Blocks of Life DayCare         3710 FEDERAL         CAMDEN         NJ         8103           Building Blocks of Life DayCare         3715 FEVENS         CAMDEN         NJ         8103           Campbell's Family Center         3275 FEVENS         CAMDEN         NJ         8103           Campbell's Family Center         1602 PINE STREET         CAMDEN         NJ         8103           Catapul Learning at Canden         1602 PINE STREET         CAMDEN         NJ         8103           Catapul Learning at Canden         1602 PINE STREET         CAMDEN         NJ         8103           Catapul Learning at Canden         1602 PINE STREET         CAMDEN         NJ         8103           Catapul Learning at Community         538 RAIGHN         CAMDEN         NJ         8103           Catapul Learning at Community         538 RNADWAY         CAMDEN         NJ         8103           Contener         1475 S 8TH STREET         CAMDEN <td></td> <td>BPUM Child Dev. Centers, Inc/South Canden Center</td> <td>1200-04 ATLANTIC AVE</td> <td></td> <td>CAMDEN</td> <td>R</td> <td>8104</td> <td>0 to 6</td> <td>109</td> <td>8569666880</td>		BPUM Child Dev. Centers, Inc/South Canden Center	1200-04 ATLANTIC AVE		CAMDEN	R	8104	0 to 6	109	8569666880
Broadway Family Center $250$ LINE STREETCAMDENNJ $8103$ Building Blocks of Life DayCare $3710$ FEDERALCAMDENNJ $8105$ Building Blocks of Life DayCare $3713$ STE VENSCAMDENNJ $8105$ Camden Day Nursery Association $3273$ STE VENSCAMDENNJ $8103$ Campbell's Family CenterI CAMBELL PLCAMDENNJ $8103$ Campbull Learning at CandenEarly Childhood DevelopmentIGO2 PINE STREETCAMDENNJ $8103$ Catapult Learning at CandenEarly Childhood DevelopmentIGO2 PINE STREETCAMDENNJ $8103$ Colt Head Start at A. Wright Place313 KAIGHNCAMDENNJ $8103$ $9103$ CDI Head Start at CommunityAVENUECAMDENNJ $8103$ $9103$ CDI Head Start at Community538 BROADWAYCAMDENNJ $8103$ $9103$ CDI Head Start at North Twenty- $8046$ NORTH 27THCAMDENNJ $8103$ $9103$ CDI Head Start at North Twenty- $8046$ NORTH 27THCAMDENNJ $8103$ $9103$ Seventh Street CenterStreet $8046$ NORTH 27THCAMDENNJ $8103$ $9103$ CDI Head Start at Pine StreetStreetStreetStreet $8046$ NUSTH 27THCAMDENNJ $8103$ Colt Head Start at Pine StreetStreetStreetStreetStreet $9103$ $9103$ $9103$ COL Head Start at Pine StreetStreetStreetStreetStreet $9104$		BPUM Child Development, Inc.Inc.West Street	501 W STREET		CAMDEN	R	8103	0 to 13	1/1	8565410661
Building Blocks of Life DayCare STREET3710 FEDERAL STREETCAMDENNJ8105Camden Day Nursery Association $327 STE VENS$ STREETCAMDENNJ8103Camobel's Family CenterI CAMPBELL PLCAMDENNJ8103Carapht Learning at CandenEarly Childhood Development1602 PINE STREETCAMDENNJ8103Catapht Learning at CandenEarly Childhood Development1602 PINE STREETCAMDENNJ8103Catapht Learning at Canden1602 PINE STREETCAMDENNJ8103203CutterCDI Head Start at A. Wright Place333 KAIGHNCAMDENNJ8103203CDI Head Start at Centerville1475 S. 8TH STREETCAMDENNJ8103203CDI Head Start at Community538 BROADWAYCAMDENNJ8103203United Inc (CUI)AVENUECAMDENNJ8103203CDI Head Start at North Twenty804-6 NORTH 27THCAMDENNJ8103203Vinited Inc (CUI)StreETCAMDENNJ8103203Seventh Street CenterSTREETCAMDENNJ8103203CDI Head Start at Pierce StreetSTREETCAMDENNJ8103203CDI Head Start at Pierce StreetSTREETCAMDENNJ8103203CDI Head Start at Pierce StreetSTREETCAMDENNJ8103203CDI Head Start at Pierce StreetStool ProgramStool After School After School After School After S		Broadway Fanily Center	<b>250 LINE STREET</b>		CAMDEN	Z	8103	0 10 6	120	8569635111
Camden Day Nursery Association       327 STE VENS       CAMDEN       NJ       8103         Campbell's Family Center       1 CAMPBELL PL       CAMDEN       NJ       8101         Campbell's Family Center       1 CAMPBELL PL       CAMDEN       NJ       8103         Catapult Learning at Canden       East       Childhood Development       1602 PINE STREET       CAMDEN       NJ       8103         Conter       Conter       333 KAIGHN       CAMDEN       NJ       8103       8103         Conter       CDI Head Start at A. Wright Place       333 KAIGHN       CAMDEN       NJ       8103       8103         CDI Head Start at Centerville       1475 S. 8TH STREET       CAMDEN       NJ       8103       8103         CDI Head Start at Community       538 BROADWAY       CAMDEN       NJ       8103       8103         CDI Head Start at Community       538 BROADWAY       CAMDEN       NJ       8103       8103         CDI Head Start at North Twenty-       804-6 NORTH 27TH       CAMDEN       NJ       8103       8103         CDI Head Start at North Twenty-       Softeerr       NJ       8103       8103       8103         CDI Head Start at Piece Street       STREET       CAMDEN       NJ       8103 <t< td=""><td></td><td>Building Blocks of Life DayCare</td><td>3710 FEDERAL STREET</td><td></td><td>CAMDEN</td><td>Z</td><td>8105</td><td>0 to 6</td><td>50</td><td>8565412000</td></t<>		Building Blocks of Life DayCare	3710 FEDERAL STREET		CAMDEN	Z	8105	0 to 6	50	8565412000
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et     17 AND PIERCE     CAMDEN     NJ     8100       STREET     CAMDEN     NJ     8100       508-516 PINE STREET     CAMDEN     NJ     8103       1600 8TH STREET     CAMDEN     NJ     8104		0	804-6 NORTH 27TH STREET		CAMDEN	Z	8105	21/2 to 6	102	8569642100
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1600 8TH STREET CAMDEN NJ 8104		CDI Head Start at Pine Street	508-516 PINE STREET		CAMDEN	IN	8103	2½ to 6	125	8569642100
		Charles Sunner Elementary School After School Program			CAMDEN	ĩ	8104	6 to 13	250	8569668908

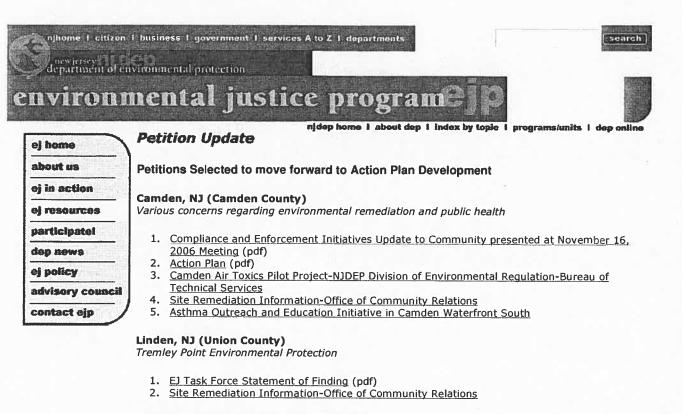
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Communities Jersey-Davis       Jersey-Davis       Communities I       Jersey-Molina       Jersey-Molina       Jersey-Molina       Parcey       Day Care       Day Care       El Centro Com       Day Care       El Centro Com       Day Care       El Shaddai Da       First Nazarene       First Nazarene	's Poynt	201 STATE STREET		CAMDEN	R	8102	6 to 13	170	6098285047
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Cramer Hill A Cramer Hill A Dobby's & Hei Day Care El Centro Com Day Care El Centro Com Day Care El Shaddai Da First Nazarene Heaven's Little	Communities In Schools of New Jersey-Molina	601 VINE STREET		CAMDEN	īz	8102	6 to 13	200	8566279853
Dobby's & HetDay CareDay CareDay CareDay CareEl Centro ComDay CareEl Shaddai DaFirst NázareneFirst Názarene	Cramer Hill After School Program 2953 RIVI	2953 RIVER RD		CAMDEN	Z	8105	2½ to 13	32	8569636666
El Centro Com Day Care El Centro Com Day Care El Shaddai Day First Názarene Heaven's Little	Dobby's & Henrietta's Tranquility Day Care	1411 KENWOOD AVE		CAMDEN	Z	8103	2½ to 13	30	8569667211
El Centro Com Day Care El Shaddai Day First Názarene Heaven's Little	El Centro Comunal Borincano Day Care	617 N 2ND STREET		CAMDEN	z	8102	0 to 6	40	8565413696
El Shaddai Day First Nazarene Heaven's Little		438 MARTIN LUTHER KING BLVD		CAMDEN	Z	8103	0 to 6	165	8565410201
First Nazarene Heaven's Little	Τ	328 CHERRY STREET		CAMDEN	ſŊ	8103	0 to 13	20	8567560175
Heaven's Little	Ň	1500 S EIGHTH STREET		CAMDEN	Z	8104	0 to 6	12	8563650642
Center 1	50	915 N 36TH STREET		CAMDEN	z	8105	2½ to 6	17	6095021748
Hispanic Counselin Services of NJ, Inc.		3908 WESTFIELD AVE		CAMDEN	N	8105	0 to 13	60	8565416065
Kids World Ch Center, Inc.	Kids World Child Development Center, Inc.	412 - 414 CHAMBERS AVE		CAMDEN	R	8103	0 to 13	55	8563650296
LaBar Day Car	LaBar Day Care - Ward Center	1101-1105 BROADWAY STREET		CAMDEN	R	8103	2½ to 6	42	8565414900
LaBar Day Care & PreSchool Center		553 SPRUCE STREET		CAMDEN	Z	8103	2½ to 13	60	8565414500
Life Assembly	Life Assembly Youth Program	800 ERIE STREET	PYNE POYNT MIDDLE SCHOOL	CAMDEN	Z	8102	6 to 13	178	8569664501
Little Minnie's		579 CLINTON STREET		CAMDEN	Z	8103	0 to 13	45	8569636600
Little Smileing Center		1340 KAIGHN AVE		CAMDEN	Z	8104	2½ to 6	28	8563381144
Loida Developr		357 MORSE STREET		CAMDEN	Z	8105	0 to 13	41 8	8563617963
Martin L King J Div.	Martin L Aing Jr CDC-Rutgers	67 PENN STREET		CAMDEN	Z	8102	0 to 6	60 8	8569661661

8565419399 8563650040 8565800187 8565413372 8569642100 8569667000 8569664763 8569669166 8569666616 8565414772 8566147667 8569635483 8563380900 8569660089 8563654403 8565412268 8569668282 8569669081 PHONE 856966370 8565410991 AGES LIC. SERVED CAPACITY 175 99 193 306 200 68 141 8 120 120 8 26 15 74 127 108 60 69 94 90 2 to 13 0 to 6 0 to 13 21/2 to 6 21/2 to 6 6 to 13 21/2 to 6 2½ to 13 0 to 13 0 to 13 0 to 13 21/2 to 13 0 to 6 08102-1018 8104 8103 8103 8105 \$104 1022 8104 215 8103 8105 8103 8102 8104 8104 8102 8104 8102 8102 8102 8102 STATE Z Z Z Z Z Z Z Z Z Z  $\overline{z}$ Z Z Z Z Z Z Z Z Z CAMDEN CITY CAMDEN HIGH ADDRESS 2 SCHOOL AVENUE 551 SPRUCE STREET 1000 ATLANTIC AVE 1000 ATLANTIC AVE 3001-3007 FENWICK RD **1459 HADDON AVE** Respond, Inc. - State Street Child SIXTH AND STATE 172 LAWRENCE 608 S BROADWAY 400 N 9TH STREET **I131-33 HADDON 1700 PARK BLVD 309 VINE STREET** 1875 MULFORD 678 FLORENCE 1435-S EIGHTH 2601 CARMAN 548-554 STATE 3100 FEDERAL **ADDRESS 1** 517 MARKET 320 VINE ST STREETS STREET STREET STREET STREET STREET STREET STREET STREET STE B Our Little Ones Child Care Center Mary H. Thomas Nursery Home, Respond, Inc. - Preschool/School Respond, Inc. - Fairview Village Maryam Early Learning Center Respond, Inc. - North Camden Precious Little Lites Day Care NJA3 at Riletta Twyne Creani Mi Casita Day Care Center II Martin Luther King Jr. Child Providence Pediatric Medical Respond, Inc - Linden Street Partners In Parenting, Child Respond, Inc. - Infant Center Mt. Calvary CDI Headstart Mi Casita Day Care Center Child Development Center Respond Leaps & Bounds New Horizons Childcare Partners In Parenting II Age Child Care Center Development Center Development Center CENTER NAME Child Care Ctr. Care Center Academy DayCare School nc. COUNTY

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COUNTY	CENTER NAME	ADDRESS 1	ADDRESS 2	<b>CITY</b>	STATE	dIZ	AGES	- HOH	PHONE
	Respond, Inc Stockton Preschool	200 S 27TH ST		CAMDEN	ĨZ	8105	2½ to 6	20	00
	Respond, Inc.Inc. (Washington Street)	527 WASHINGTON STREET		CAMDEN	Z	8103	2½ to 6	30	8563380052
	Respond, Inc-Bank Street Day Care	<b>I55 MARLTON AVE</b>		CAMDEN	Z	8102	0 to 6	120	8569639155
	Respond, Inc-East Camden Child Care Center	2926 WESTFIELD AVE		CAMDEN	Z	8105	2½ to 6	49	8563659383
	Rock of Ages Christian Day Care			CAMDEN	Z	8103	0 to 6	51	8565411079
	Rowan University PreSchool	200 N BROADWAY		CAMDEN	R	8102	2½ to 13	30	8567565407
	Rutgers Early Childhood Program 311 COOPER STREET	311 COOPER STREET		CAMDEN	Z	8102	2½ to 6	30	8566141161
	Rutgers Early Childhood Program	639 COOPER STREET		CAMDEN	Z	8102	2½ to 6	60	8566145619
	Saint Joseph's Child Development Center	17 CHURCH STREET		CAMDEN	ĩ	8105	2½ to 6	120	8569638940
-	St. John Baptist Church Youth Dev. Ctr.	30TH & HOWELL STREETS		CAMDEN	N	8105	0 to 6	60	8563653385
	The Happy Child Learning Center			CAMDEN	Z	8103	0 to 13	45	8566140010
	The Neighborhood Center, Inc.	278 KAIGHNS AVE		CAMDEN	R	8103	0 to 13	180	8563655295
	Cedarbrook Academy	26 N ROUTE 73		CEDAR BROOK	R	8018	0 to 6	30	6097042881
	Jumpstart Academy	23 RAILROAD AVE		CEDAR BROOK	IN	8018	0 to 13	135	6095673722
	Basically Babysitting, LLC	1334 BRACE RD		CHERRY HILL	R	8034	0 to 13	40	8564285100
	Betty & Milton Katz Jewish	1301 SPRINGDALF		CHEKKY HILL	z	8003	6 to 13	120	8564244505
	Community Center PreSchool	RD		CHERRY HILL	R	8003	0 to 13	414	8564244444
	Bret Harte Elementary School	1909 QUEEN ANNE DRIVE		CHERRY HILL	Z	8003	6 to 13	001	8567950515
	Carusi Middle School	315 ROOSEVELT DRIVE		CHERRY HILL	Z	8002	6 to 13	001	8566671220
	Clara Barton Elementary School	223 RHODE ISLAND AVE		CHERRY HILL	Z	8002	2½ to 13	146	8566773303
	Clockwise Childcare	1808 HADDONFIELD- BERLIN ROAD		CHERRY HILL	z	8003	0 to 13	45	8563541990
	Colors of the Rainbow Learning Center	401 N KJNGS HWY		CHERRY HILL	Z	8002	0 to 13	57	8566670962
									]



#### Long Branch, NJ (Monmouth County)

Former Manufactured Gas Plant Remediation

- 1. Action Plan (pdf)
- (Dated: January 2006)
- 2. Site Remediation Information-Office of Community Relations

#### Newark, NJ (Essex County)

Pabst Brewery Demolition

- 1. EJ Task Force Statement of Finding (pdf)
- 2. Site Remediation Information-Office of Community Relations
- 3. Site Remediation-Emergency Response Actions for Newark

#### Ringwood, NJ (Passaic County)

Ringwood Former Superfund Site

- 1. EJ Task Force Statement of Finding (pdf)
- 2. Site Remediation Information-Office of Community Relations
- 3. Site Remediation-Emergency Response Actions for Ringwood

#### Petitions Not Chosen by the Task Force to advance to Action Plan Development

#### Jersey City, NJ (Hudson County)

Cross Harbor Freight Tunnel

- 1. EJ Task Force Statement of Finding (pdf)
- 2. Site Remediation-Emergency Response Actions for Jersey City

#### Roselle, NJ (Union County)

Reactivation of Local Train Line

1. EJ Task Force Statement of Finding (pdf)

## Environmental Justice Collaborative Problem-Solving Cooperative Agreement Program 2007 Awards

### **Project Descriptions**

#### **Region 1**

Organization: Vietnamese American Initiative for Development (Boston, MA) Project Description: The identified issue for this project is worker exposure to flammable and toxic floor finishing products. The environmental and/or public health result desired is the reduction in exposure to these toxics by floor finish workers. Viet-AID will accomplish this goal by: (1) working with and educating business owners and workers to practice safer handling techniques and use less toxic alternative floor finishing products; (2) work with business owners to promote product replacement by switching to less toxic products; (3) working with state and local governments to adopt legislation that requires floor finishers to be certified and to ban toxic lacquer sealers; and (4) educating customers on less toxic floor finishing products.

### **Region 2**

Organization: Southwest Area Neighborhood Association, Inc. (Rochester, NY) Project Description: The identified issue for this project is resident exposure to household hazards, namely lead, asthma triggers, and carbon monoxide. The environmental and/or public health result desired is the reduction in exposure of residents to these household hazards. SWAN will accomplish this goal by: (1) educating the residents on how to avoid household hazards and how to make personal changes to reduce exposure; (2) assisting residents on how to gain access to resources and services that address exposure to household hazards more effectively and efficiently; and (3) conducting follow-ups with the participants in the program and the resource providers to determine if changes in behavior occurred or if services were rendered.

#### **Region 3**

Organization: Coalition for Environmentally Safe Communities (Washington, DC) Project Description: The identified issue for this project is resident exposure to household hazards, namely asthma triggers and lead. The environmental result desired is a reduction in exposure to such hazards. CESC plan to achieve their desired goal by: (1) creating sustainable, ongoing resources and technical assistance to DC organizations and agencies to improve their ability to respond to environmental health threats; and (2) providing training to staff and volunteers to identify procedures for informing residents of environmental hazards affecting them.

#### **Region 4**

Organization: *Rural Empowerment Association for Community Help* (Duplin, NC) Project Description: The identified issue for this project is residents' exposure to air and water contaminants, particularly hydrogen sulfide, from local hog operations within Duplin County. The environmental and/or public health result the community hopes to achieve is a reduction in the exposure of residents to air and water contaminants from local hog operations. REACH hopes to achieve this goal by: (1) working with local hog operations to utilize new technologies

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## Environmental Justice Small Grants Program 2008-9 Awards

#### **Project Descriptions**

#### **Region 1**

Organization: *Rhode Island Legal Services, Inc.* (Providence, RI) Project Description: Conducting a ten week class for 15 youth from the Hartford Park Public Housing Project in Providence, Rhode Island. Participating youth will create two 30-second public service announcement videos (one in English and one in Spanish) on the threats to human health posed by common household cleaning products and a 5minute video on how solid waste and trash contribute to poor living and health conditions in low-income neighborhoods.

#### Organization: United Somali Women of Maine (Lewiston, ME)

Project Description: Developing and implementing an outreach campaign on lead hazards, the risks of pesticide application, and basic life skills to educate the refugee population residing in the Lewiston/Auburn area of central Maine. The project's goals are to increase community capacity to ensure the environmental quality and safety of their home environments while also reducing lead and pesticide hazards in homes.

#### Organization: Spanish American Union, Inc. (Springfield, MA)

Project Description: Improving the quality of the indoor environment in public housing developments by reducing exposure to pesticides, encouraging integrated pest management, and reducing asthma triggers for families at risk. The project will collaborate with partners and work with youth to provide education, outreach and encourage actions to raise awareness and reduce health hazards and risks from pesticides for families in public housing in Springfield, Massachusetts.

Organization: Connecticut Coalition for Environmental Justice (Hartford, CT) Project Description: Reducing the negative health effects from air toxics in Hartford, New Haven and Bridgeport, Connecticut. It will provide education, outreach and capacity building for urban residents to reduce exposure to toxic cleaning products and encourage use of safer, less toxic alternatives to reduce environmental and public health problems in indoor environments.

#### **Region 2**

#### Organization: Make the Road New York (Brooklyn, NY)

Project Description: Conducting research and educating communities on the toxic risks of lead paint and pesticides. The research will identify the level of exposure to those risks and the reasons for that exposure (e.g., lack of knowledge, lack of alternatives, etc.). Residents will be educated on ways they can reduce their individual/household exposure, the dangers of lead paint poisoning and how to identify household toxics. The recipient will promote healthier alternatives, such as the use of Integrated Pest Management (IPM) practices as an alternative to toxic household pesticides.

### Organization: Heart of Camden, Inc. (Camden, NJ)

Project Description: Studying and identifying the environmental and public health issues in Camden City, NJ. Specifically, it will develop a comprehensive environmental health information tool, consisting of emissions data, contaminated soil sites, the status of pending air pollution mitigation and site remediation effort data. A description of known and potential health effects, related to the identified pollutants will be developed. In addition, the project will analyze and compare the hospital utilization rates of Waterfront and South-Central Camden community members (i.e., for respiratory and cardiovascular disease) to other urban and suburban New Jersey communities.

#### Organization: Green Faith (New Brunswick, NJ)

Project Description: Studying air monitoring efforts and truck route identification related to operations at Port Newark, NJ. Toxic releases from this area will be identified by community youth and adult residents. The recipient will perform broad-based outreach and education on the results of these efforts to a range of Newark community and faith-based organizations. An Environmental Health and Justice Tour will be conducted for Newark residents. The project will provide the foundation for a long-range, comprehensive "greening" of Port Newark.

#### Organization: Healthy Schools Network, Inc. (Albany, NY)

Project Description: Engaging low-income communities and their schools in learning how to avoid asthma triggers, and empowering them to take action to reduce these triggers. The recipient will identify and select 15 communities from among six New York State counties, based on hospital discharge asthma-mapping data and student profiles from the NYS Departments of Health and Education, respectively. School officials will be identified, educational forums conducted (including webinars, meetings and interactive workshops) and local partnerships cultivated. Recommended actions will be provided to local schools and their communities for follow-up.

#### **Region 3**

#### Organization: Heritage Health Foundation, Inc. (Braddock, PA)

Project Description: Developing a community educational program to teach residents about asthma resulting from indoor and outdoor air quality, lead poisoning from leadbased paint, and asbestos exposures from older building materials. Public meetings will also be held to educate residents on local transportation-generated air quality factors and environmental health issues. In addition, the project will develop partnerships between different stakeholders, including residents, environmental groups and local governmental agencies.

#### Organization: Episcopal Community Services of Maryland (Baltimore, MD)

Project Description: Supporting the implementation of an intergenerational community education program to address the issues of household health factors that contribute to lead poisoning and asthma in Collington Square –an impoverished urban neighborhood in East Baltimore. The planning and implementation of this project will contribute to the



## U.S. Census Bureau American FactFinder

#### FACT SHEET

#### Camden city, New Jersey

2005-2007 American Community Survey 3-Year Estimates - what's this? Data Profile Highlights:

NOTE. Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Social Characteristics - show more >>	Estimate	Percent	U.S.	Margin of Error	
Average household size	2.85	(X)	2.60	+/-0.08	
Average family size	3.38	(X)	3.19	+/-0.11	
Population 25 years and over	38,727			+/-1,182	
High school graduate or higher	(X)	57.8	84.0%	(X)	
Bachelor's degree or higher	(X)	6.1	27.0%	(X)	
Civilian veterans (civilian population 18 years and over)	N	N	10.4%	N	
Disability status (population 5 years and over) Foreign born	13,197 8,424	21.6 12.0	15.1% 12.5%	+/-1,193 +/-1,233	
Male, Now married, except separated (population 15 years and over)	6,746	28.8	52.6%	+/-672	
Female, Now married, except separated (population 15 years and over)	6,119	21.7	48.5%	+/-553	
Speak a language other than English at home (population 5 years and over)	22,579	35.5	19.5%	+/-1,434	
Household population	67,472			+/-1,946	
Group quarters population	(X)	(X)	(X)	(X)	
Economic Characteristics - show more >>	Estimate	Percent	<b>U.S</b> .	Margin of Error	
In labor force (population 16 years and over) Mean travel time to work in minutes (workers 16	28,358	56.4	64.7%	+/-1,369	
years and over)	24.6	(X)	25.1	+/-1.8	
Median household income (in 2007 inflation- adjusted dollars)	23,154	(X)	50,007	+/-1,907	
Median family income (in 2007 inflation-adjusted dollars)	25,415	(X)	60,374	+/-2,340	
Per capita income (in 2007 inflation-adjusted dollars)	11,578	(X)	26,178	+/-615	
Families below poverty level	(X)	37.9	9.8%	(X)	
Individuals below poverty level	(X)	40.5	13.3%	(X)	۴.
Housing Characteristics - show more >>	Estimate	Percent	U.S.	Margin of Error	
Total housing units	28.875			+/-560	
Occupied housing units	23,700	82.1	88.4%	+/-645	
Owner-occupied housing units	9,830	41.5	67.3%	+/-799	
Renter-occupied housing units	13,870	58.5	32.7%	+/838	
Vacant housing units	5,175	17.9	11.6%	+/-671	
Owner-occupied homes	9,830			+/-799	
Median value (dollars) Median of selected monthly owner costs	71,900	(X)	181,800	+/-4,485	
With a mortgage (dollars)	883	(X)	1,427	+/-31	
Not mortgaged (dollars)	427	(X)	402	+/-32	-
ACS Demographic Estimates - show more >>	Estimate	Deveent		Margin of	
		Percent	U.S.	Error	
Total population	70,390			+/-1,948	
Male	32,711	46.5	49.2%	+/-1,352	

## Camden city, New Jersey - Fact Sheet - American FactFinder

Female	37,679	53.5	50.8%	+/-1,283
Median age (years)	27.7	(X)	36.4	+/-0.6
Under 5 years	6,756	9.6	6.9%	+/-582
18 years and over	47,172	67.0	75.3%	+/-1,374
65 years and over	5,497	7.8	12.5%	+/-543
One race	69,093	98.2	97.9%	+/-2,105
White	9,081	12.9	74.1%	+/-1,348
Black or African American	34,871	49.5	12.4%	+/-1,730
American Indian and Alaska Native	249	0.4	0.8%	+/-186
Asian	1,923	2.7	4.3%	+/-748
Native Hawaiian and Other Pacific Islander	0	0.0	0.1%	+/-158
Some other race	22,969	32.6	6.2%	+/-1,687
Two or more races	1,297	1.8	2.1%	+/-636
Hispanic or Latino (of any race)	29,612	42.1	14.7%	+/-1,434

Source: U.S. Census Bureau, 2005-2007 American Community Survey

Explanation of Symbols: \*\*\*\*\* - The median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate. \*\*\*\*\*\*\* - The estimate is controlled. A statistical test for sampling variability is not appropriate.

'N' - Data for this geographic area cannot be displayed because the number of sample cases is too small.

'(X)' - The value is not applicable or not available.

The letters PDF or symbol provide indicate a document is in the Portable Document Format (PDF). To view the file you will need the Adobe® Acrobat® Reader, which is available for free from the Adobe web site.

# U.S. Census Bureau

American FactFinder



TM-P028. Percent of Persons 5 Years and Over Who Speak a Language Other Than English at Home: 2000 Universe: Population 5 years and over Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data Camden city, New Jersey by Census Tract

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see http://tactfinder.census.gov/home/en/datanotes/expst3.htm.



Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrix P19.

# APPENDIX J Site Photography



 
 PHOTO LOG

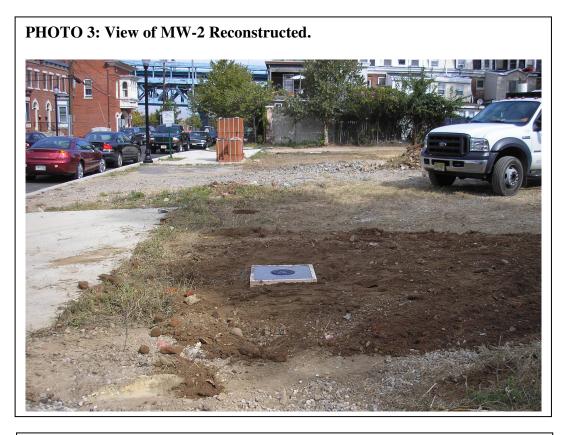
 SITE NAME: ABC Barrel Company, Camden, NJ DATE OF PHOTOS: 2007-2008
 PROJECT No: B940-01 PHOTOGRAPHER: R. Glover





# Dresdner Robin

**PHOTO LOG** SITE NAME: ABC Barrel Company, Camden, NJ DATE OF PHOTOS: 2007-2008 PROJECT No: B940-01 PHOTOGRAPHER: R. Glover

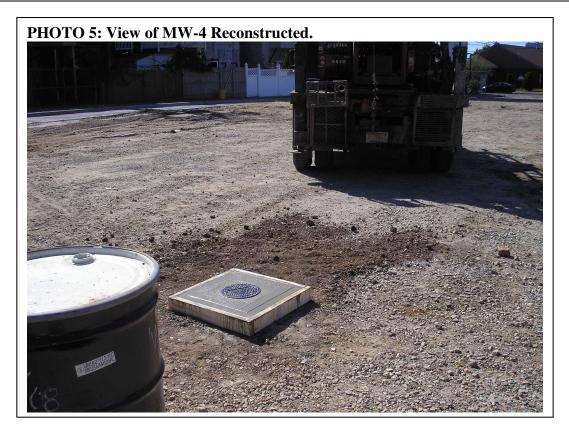




# Dresdner Robin

 
 PHOTO LOG

 SITE NAME: ABC Barrel Company, Camden, NJ DATE OF PHOTOS: 2007-2008
 PROJECT No: B940-01 PHOTOGRAPHER: R. Glover



**PHOTO 6: Screening Sample Collection.** 





 
 PHOTO LOG

 SITE NAME: ABC Barrel Company, Camden, NJ DATE OF PHOTOS: 2007-2008
 PROJECT No: B940-01 PHOTOGRAPHER: R. Glover

