ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	**L0042235**	Received By:	**MAR**
Date and Time Received:	**4/24/2014 3:30:00 PM**	Carrier name:	**Accutest-Delivery**
Temperature:	**4.7°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes	☑	No	☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes	☐	No	☐	Not Present ☑
3.	**Custody seals intact on sample bottles?**	Yes	☐	No	☐	Not Present ☑
4.	**Chain of custody present?**	Yes	☑	No	☐	
5.	**Chain of custody signed when relinquished and received?**	Yes	☑	No	☐	
6.	**Chain of custody agrees with sample labels?**	Yes	☑	No	☐	
7.	**Samples in proper container/bottle?**	Yes	☑	No	☐	
8.	**Sample containers intact?**	Yes	☑	No	☐	
9.	**Sufficient sample volume for indicated test?**	Yes	☑	No	☐	
10.	**All samples received within holding time?**	Yes	☑	No	☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes	☑	No	☐	
12.	**Water - VOA vials have zero headspace?**	Yes	☐	No	☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes	☐	No	☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

Accutest Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Gulf Coast/SPL Environmental
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7837
www.accutest.com/www.spl-inc.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: L00 42285

Client / Reporting Information

Company Name: PM Consultants, Inc
Street Address: 936 Office Park Blvd, Suite A
City: Baton Rouge State: LA Zip: 70809
Project Contact: JASON BEAUVAIS E-mail:
Phone #: 225-293-7270 Fax #:
Sampler(s) Name(s): Adrian Bain Phone #: 225-293-7270

Project Information

Project Name: LA RETIREMENT SYSTEMS
Street: 8401 UNITED PLAZA BLVD
City: BATON ROUGE State: LA
Project #: 503124-USTCL
Client Purchase Order #:
Project Manager: PETER SMITH

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analyses

RUSH

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	ZA/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	DRO	PAH	EPH (ON HOLD)	SPLP (ON HOLD)						LAB USE ONLY
	T-1	4-23-14	1615	AB	SO	3						3							✓	✓	✓	✓						3
	BF-1	4-23-14	1610	AB	SO	3						3							✓	✓	✓	✓						3
	COMP	4/24/14	930	AB	SO	1						1							✓	✓	✓	✓						1

Turnaround Time (Business days)

- [X] Standard PTS 04/24/14
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [X] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Standard PPM Rates will apply
WS5-12 (12)
RMC-7

Page 23 of 23

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/24/14 1023	Renee Sam...	Renee Sam	4/24/14 1530	Mark Red
2						
3						
4						
5						

Custody Seal # Intact Preserved where applicable On Ice Cooler Temp. 4.7 (4.6)

CORRECTIVE ACTION PLAN

BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS
BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

INCIDENT ID NO. 154846
FACILITY UST ID NO. 17-017472
LDEQ AGENCY INTEREST NO. 79956

PPM PROJECT NO. 503124

MAY 2015

Environmental Science
and Engineering

PPM
CONSULTANTS

PPM CONSULTANTS

Environmental Science and Engineering

7936 Office Park Boulevard • Baton Rouge, LA 70809 • tel 225 293 7270 • fax 225 293 7271 • www.ppmco.com

RECEIVED
JUN 01 2015
LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # RE2015-2986

May 26, 2015

Mr. Gary A. Fulton, Administrator
Louisiana Department of Environmental Quality
Office of Environmental Compliance
Remediation and Underground Storage Tank Division
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

Remediation Services Division
Manager: Blanchard
Team Leader: Messina
AI #: 79956
TEMPO Task #:
Desk Copy File Room: UST

Re: Corrective Action Plan
Beau Box Property Management
Louisiana Retirement Systems Building Partnership
8401 United Plaza Boulevard
Baton Rouge, Louisiana
East Baton Rouge Parish
Incident ID No. 154846
Facility UST ID No. 17-017472
LDEQ Agency Interest No. 79956
PPM Project No. 503124

TRANSMITTAL LETTER

Dear Mr. Fulton:

Enclosed please find three copies of the Corrective Action Plan prepared by PPM Consultants, Inc. for the above-referenced site.

If you have any questions or need any additional information, please do not hesitate to contact me at (225) 293-7270.

Sincerely,
PPM Consultants, Inc.

Michael D. Luckett, P.E.
Senior Engineer

Enclosures

cc: Mr. Layne Roberts, Beau Box Property Management

CORRECTIVE ACTION PLAN

BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS
BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

INCIDENT ID NO. 154846
FACILITY UST ID NO. 17-017472
LDEQ AGENCY INTEREST NO. 79956

PPM PROJECT NO. 503124

MAY 2015

CORRECTIVE ACTION PLAN

AT

LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

INCIDENT ID NO. 154846
FACILITY UST ID NO. 17-017472
LDEQ AGENCY INTEREST NO. 79956

PREPARED FOR:

BEAU BOX PROPERTY MANAGEMENT
POST OFFICE BOX 66865
BATON ROUGE, LOUISIANA 70896
MR. LAYNE ROBERTS
(225) 237-3343

PPM PROJECT NO. 503124

MAY 2015

PREPARED BY:

PHAEDRA E. CANRIGHT
PROJECT ENGINEER

REVIEWED BY:

MICHAEL D. LUCKETT, P.E.
SENIOR ENGINEER

PPM CONSULTANTS, INC.
7936 OFFICE PARK BOULEVARD, SUITE A
BATON ROUGE, LOUISIANA 70809
(225) 293-7270

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1.0 INTRODUCTION

1.1 GENERAL

PPM Consultants, Inc. (PPM) prepared this Corrective Action Plan (CAP) for Beau Box Property Management (Beau Box) for the Louisiana Retirement Systems Building Partnership property located at 8401 United Plaza Boulevard in Baton Rouge, East Baton Rouge Parish, Louisiana. The location of the site is included on **Figure 1, Site Location Map**, in **Appendix A, Figures**.

2.0 SITE CONDITIONS

One 2,000-gallon diesel underground storage tank (UST) was installed at the site on March 10, 1985, to fuel the building's emergency generator. Beau Box reported a release at the site to the Louisiana Department of Environmental Quality (LDEQ) on March 25, 2014, upon discovering that the diesel UST on the site was empty. On March 31, 2014, PPM submitted a Workplan for Limited Site Investigation to the LDEQ. Five soil borings (SB-1 through SB-5) were installed on April 3, 2014, to assess the subsurface environment in the vicinity of the UST system at the site. Additionally, two soil borings (SB-6 and SB-7) were installed at the site on April 9, 2014. Following soil sampling, soil borings SB-1 through SB-7 were converted into 0.75-inch diameter temporary monitor wells SB-1/TW-1 through SB-7/TW-7 for collection of groundwater samples. On April 9, 2014, soil boring/temporary monitor well SB-1/TW-1 was converted into 4-inch diameter monitor well MW-1.

Southern Tank Testers, Inc. (STT) of Breaux Bridge, Louisiana, removed the 2,000-gallon diesel UST from the site on April 23, 2014. Approximately 70 tons of soil backfill were excavated from the UST hold.

Free product was encountered in two of the site monitor wells. Several mobile dual-phase vacuum extraction (MDPVE) events and hand-bailing events were conducted to recover free product from the wells.

2.1 SITE GEOLOGY CHARACTERISTICS

Subsurface conditions and lithology at the site were identified from visual inspection of the soil samples collected from soil borings SB-1 through SB-7. In general, site soils consisted of predominantly gray-brown to light brown Silty Clay.

2.2 GROUNDWATER CLASSIFICATION

PPM researched LDEQ's Electronic Document Management System (EDMS) online database to determine the groundwater classification of facilities in the site area. The groundwater classification for the site is considered to be Groundwater-3 Non-Drinking water based on information from Former Shell Retail Store No. 101249 (LDEQ Agency Interest No. 70008), which is located approximately 3,200 feet northeast of the site and is considered to be representative of conditions at the site. The groundwater yield for Former Shell Retail Store No. 101249 was less than 800 gallons per day. Therefore, a classification of Groundwater-3 was used. The nearest downgradient water body is the North Branch of Ward Creek, which is not listed as a drinking water body in LAC 33:IX; therefore, it is classified as Groundwater-3 Non-Drinking Water.

2.2.1 Water Well Survey

On February 20, 2015, PPM obtained a water well survey from the Louisiana Department of Natural Resources (LDNR) in order to identify current water wells within a 1-mile radius of the source area. There were sixteen registered wells identified within the search area (1-mile radius). Four of the wells were identified as monitoring wells. In addition, one water well was identified as public supply and three as irrigation wells within the 1-mile radius. The public supply well was installed to 1,487 feet into the 1,200 foot Sand of the Baton Rouge Area Aquifer. The irrigation wells were installed to depths of 170 and 1,405 feet in the 400 and 1,200 foot Sand of the Baton Rouge Area Aquifers. Due to the affected aquifer being different from the drinking water aquifers, there is no possibility of impact to the public supply or irrigation wells as shown in **Table B-1, LDNR Water Well Survey**, in **Appendix B, Tables**.

2.3 POINT OF EXPOSURE

For the aquifer at the subject site, a Groundwater-3 aquifer, the point of exposure (POE) is identified as the nearest downgradient water body, which is located approximately 1,300 feet east of the site. Based on the Classification-3, and the referenced water body, the

MO1 Dilution Attenuation Factor (DAF) is 248 and the MO2 DAF is 1902 (refer to Appendix H, 2003 RECAP Document).

2.4 ENVIRONMENTAL HISTORY

One 2,000-gallon diesel UST was installed at the site on March 10, 1985, to fuel the building's emergency generator.

Beau Box reported a release at the site to the LDEQ on March 25, 2014, upon discovering that the diesel UST on the site was empty. On March 31, 2014, PPM submitted a Workplan for Limited Site Investigation to the LDEQ. Five soil borings (SB-1 through SB-5) were installed on April 3, 2014, to assess the subsurface environment in the vicinity of the UST system at the site. Additionally, two soil borings (SB-6 and SB-7) were installed at the site on April 9, 2014. Following soil sampling, soil borings SB-1 through SB-7 were converted into 0.75-inch diameter temporary monitor wells SB-1/TW-1 through SB-7/TW-7 for collection of groundwater samples. On April 9, 2014, soil boring/temporary monitor well SB-1/TW-1 was converted into 4-inch diameter monitor well MW-1.

Free product was encountered in two of the site monitor wells. Several MDPVE events and hand-bailing events were conducted to recover free product from the wells. A total of approximately 156 gallons of free product were recovered during the hand-bailing and MDPVE events. The 2,000-gallon diesel UST was removed from the site on April 23, 2014. Approximately 70 tons of impacted soil backfill were excavated from the UST hold.

The soil and groundwater samples were analyzed for total petroleum hydrocarbons – diesel (TPH-D) by Environmental Protection Agency (EPA) Method 8015B, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C, aliphatics/aromatics in the appropriate carbon ranges by the Massachusetts Department of Environmental Protection Extractable Petroleum Hydrocarbons Method.

The analytical laboratory results indicated TPH-D, 2-methylnaphthalene, aliphatics $>C_{10}$-C_{12}, aliphatics $>C_{12}$-C_{16}, aromatics $>C_{12}$-C_{16}, aromatics $>C_{16}$-C_{21}, aliphatics $>C_{12}$-C_{16}, and aromatics $>C_{16}$-C_{21} in one or more soil samples were above their proposed respective LDEQ Risk Evaluation/Corrective Action Program (RECAP) Screening Standard (SO SS).

The analytical laboratory results indicated TPH-D, 2-methylnaphthalene, naphthalene, fluorine, phenanthrene, pyrene, aliphatics $>C_{10}$-C_{12}, aliphatics $>C_{12}$-C_{16}, aromatics $>C_{12}$-

C_{16}, aromatics >C_{16}-C_{21}, aromatics >C_{21}-C_{35}, aliphatics >C_{16}-C_{-35}, and aromatics >C_{10}-C_{12} in one or more groundwater samples were above their respective proposed LDEQ RECAP SS.

Additionally, several PAH constituents were not detected in groundwater samples from SB-7/TW-7 and MW-1; however, the laboratory detection limit for these constituents was greater than the LDEQ RECAP SS.

2.5 CONSTITUENTS OF CONCERN IN SOIL AND GROUNDWATER

Historical soil and groundwater sampling data are shown in **Table B-2, Soil Analytical Laboratory Summary**, and **Table B-3, Groundwater Analytical Laboratory Summary**, in **Appendix B**.

2.6 PRELIMINARY RECAP EVALUATION

A RECAP assessment was conducted to determine which constituents present at the subject site would be considered a constituent of concern (COC). A COC is a constituent in which the concentration exceeds screening standards established in the RECAP, as revised by the LDEQ on October 20, 2003.

Laboratory analytical results for soil revealed that aromatics >C_{10}-C_{12} and aromatics >C_{12}-C_{16} exceeded their applicable soil RECAP SS. Free product was present in monitor well MW-1 and temporary monitor well TW-7; therefore, all constituents were considered COCs for groundwater. Therefore, these constituents for soil and groundwater were further evaluated under Management Option 1 (MO1) and Management Option 2 (MO2).

The soil and groundwater concentrations, along with applicable MO1 and MO2 RECAP Standards for COCs at the site, are shown below in **Table 2-1, Soil MO1 Standards, AOI No. 1 – Industrial Soil 0-15 Feet BGS**, **Table 2-2, Soil MO1 Standards, AOI No. 2 – Industrial Soil >15 Feet BGS**, and **Table 2-3, Groundwater MO2 Standards**.

TABLE 2-1
SOIL MO1 STANDARDS
AOI NO. 1 – INDUSTRIAL SOIL 0-15 FEET BGS

Constituents of Concern	Soil MO1 Standards (mg/kg)	Area of Investigation Soil Concentrations (mg/kg)	Points of Highest Concentration
Aromatics >C10-C12	5,000[1]	1,300[2]	SB-7
Aromatics >C12-C16	5,000[1]	1,300[2]	SB-7
2-Methylnaphthalene	826[1]	7.3	SB-7

[1] *RECAP standards based on Industrial Soil*
[2] *Concentration based on highest TPH-D concentration*

TABLE 2-2
SOIL MO1 STANDARDS
AOI NO. 2 – INDUSTRIAL SOIL >15 FEET BGS

Constituents of Concern	Soil MO1 Standards (mg/kg)	Area of Investigation Soil Concentrations (mg/kg)	Points of Highest Concentration
Aromatics >C12-C16	10,000[1]	240	SB-1

[1] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.*

TABLE 2-3
GROUNDWATER MO2 STANDARDS

Constituents of Concern	Groundwater MO2 Standards (mg/L)	Area of Investigation Groundwater Concentrations (mg/L)	Points of Highest Concentration
Aliphatics >C10-C12	349[1]	FP	MW-1
Aliphatics >C12-C16	82[1]	FP	MW-1
Aliphatics >C16-C35	1,171[2]	FP	MW-1
Aromatics >C10-C12	2,698[1]	FP	MW-1
Aromatics >C12-C16	1,171[2]	FP	MW-1
Aromatics >C16-C21	1,171[2]	FP	MW-1
Aromatics >C21-C35	1,171[2]	FP	MW-1
Acenaphthene	4[3]	FP	MW-1
Acenaphthylene	16[3]	FP	MW-1
Anthracene	0.043[3]	FP	MW-1

Constituents of Concern	Groundwater MO2 Standards (mg/L)	Area of Investigation Groundwater Concentrations (mg/L)	Points of Highest Concentration
Benz(a)anthracene	0.0078[4]	FP	MW-1
Benzo(a)pyrene	0.0016[3]	FP	MW-1
Benzo(b)fluoranthene	0.0048[4]	FP	MW-1
Benzo(k)fluoranthene	0.0025[4]	FP	MW-1
Chrysene	0.0016[3]	FP	MW-1
Dibenz(a,h)anthracene	0.0025[4]	FP	MW-1
Fluoranthene	0.21[3]	FP	MW-1
Fluorene	2[3]	FP	MW-1
Indeno(1,2,3-cd)pyrene	0.0037[4]	FP	MW-1
2-Methylnaphthalene	25[3]	FP	MW-1
Naphthalene	31[3]	FP	MW-1
Phenanthrene	1.2[3]	FP	MW-1
Pyrene	0.14[3]	FP	MW-1

[1] *RECAP standards based on Groundwater to Ambient Air*
[2] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics*
[3] *RECAP standards based on Water Solubility*
[4] *RECAP standards based on Quantitation Limits*

As shown in **Table 2-1** and **Table 2-2** above, all constituent concentrations in soil are below their applicable MO1 RECAP Standards for the site. As shown in **Table 2-3** above, all constituent concentrations in groundwater exceed their proposed MO2 RECAP Standards for the site due to the presence of free product in monitor well MW-1.

3.0 TECHNOLOGY RECOMMENDATION

A Product Removal System appears to be the most efficient and cost effective technology for remediating the site. The following sections describe the technology and how it would be implemented.

3.1 SCOPE OF WORK

PPM inspected the site to determine the optimum location for installation of the Product Removal System. Factors considered in placement of the unit included subsurface

conditions, location of utilities, security, noise, and pedestrian and vehicular traffic. The proposed location of the unit is shown in **Figure 3, System Layout**, in **Appendix A**.

Installation dates will be based on receipt of the required permits, approval dates of this CAP from the LDEQ, equipment availability, and subcontractor scheduling. Corrective action activities using Product Removal System will consist of the following:

I. Product Removal System Installation:

- Obtaining necessary permits.
- Initiating the construction (e.g. marking lines, contractor meeting, mobilization, etc.).
- Developing a site-specific Health and Safety Plan (HASP) for the corrective action activities at the site. The HASP will be specifically designed to address installation, operation, and monitoring activities at the site. The site-specific HASP will be kept onsite throughout the duration of the project.
- Installing subsurface extraction lines minimum of 30 inches below ground surface (BGS) by trenching.
- Installing one well vault and modification of wellhead at monitor well MW-1.
  - Reduction of the top of the casing from surface level to approximately 1 foot BGS and removal of the existing manhole to allow for subsurface pipe connections.
  - Installation of a 24-inch by 24-inch by 12-inch vault at monitor well MW-1 to allow access to the well and piping.
- Installing remediation unit.
- Connecting subsurface extraction lines.
- Installing phase separated hydrocarbons (PSH) tank.
- Installing air supply and PSH return tubing to vault near the PSH tank.
- Installing required electrical power supply equipment and lines.
- Testing and startup of the system.
- Preparing a construction and operation report.

II. System Operation:

- Conducting operation and maintenance visits bi-weekly (26 events) for 12 months to maintain and monitor system components.

III. Groundwater Monitoring:

- Gauging of liquid levels inside all monitoring wells.
- Collecting groundwater samples (if free product is not present) from all monitor wells.
- Analyzing samples for all extractable petroleum hydrocarbons (EPH) and PAH.
- Preparing a report which will include chronology of events conducted at the site, recommendations for future actions, figures (consisting of a site map, a potentiometric surface map, and an isopleth map for dissolved constituents), and a summary of findings in tabular format.
- Analyzing field blank, duplicate sample, decon rinse, and trip blank for the purpose of maintaining proper Quality Assurance/Quality Control Plan (QA/QC) practices.
- Preparing semiannual groundwater reports.

IV. Post Remediation:

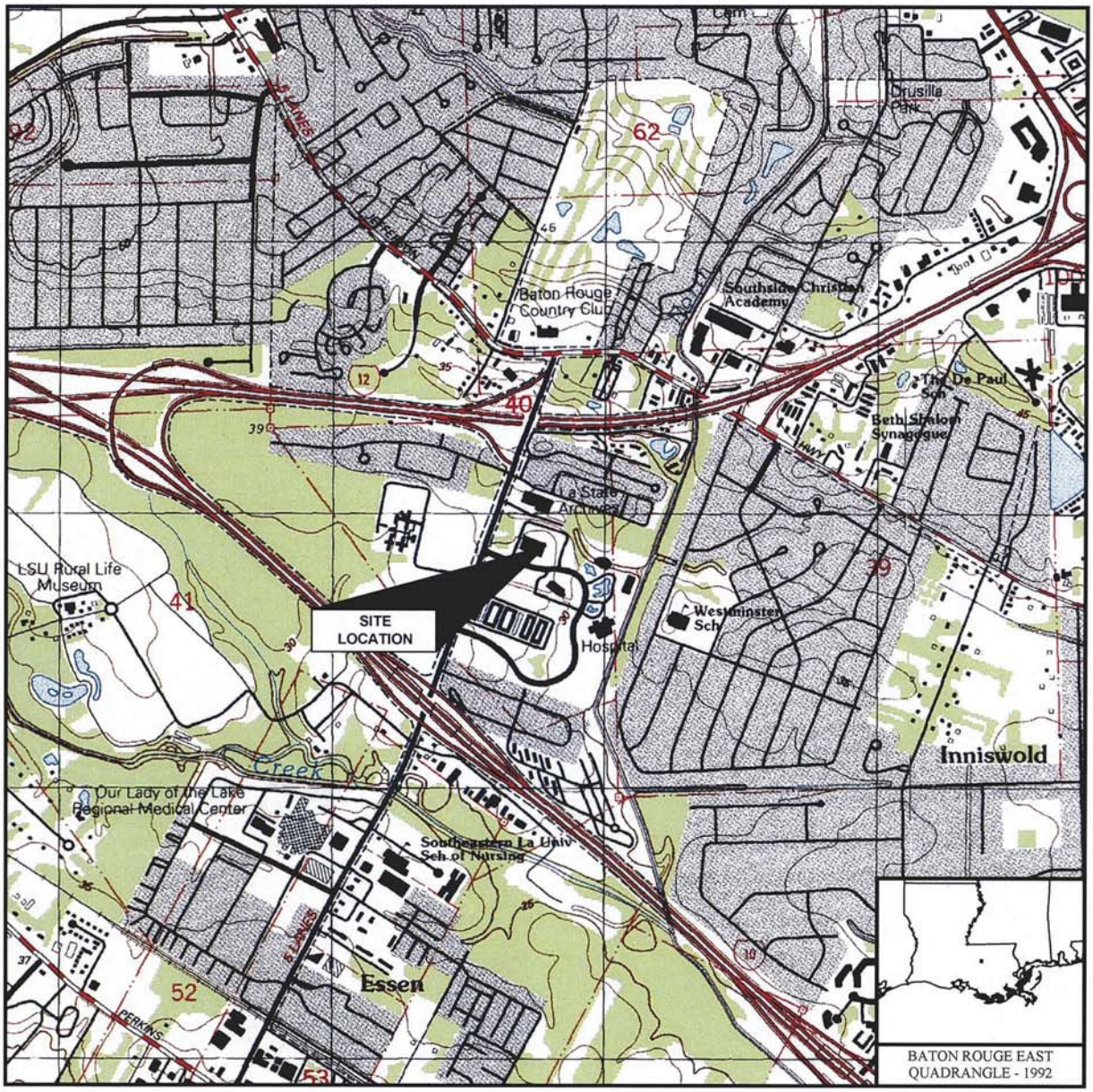
- Removing 30 feet of 4-inch well casing and screen by pulling (if possible). If the well casing cannot be pulled from the boring, the well will be grouted in-place.
- Plugging the boring by pumping a cement-bentonite slurry, consisting of not more than seven percent bentonite by dry weight of cement and a maximum of 10 gallons of water per sack (94 pounds) of cement, from the bottom of the boring to the ground surface via tremie pipe.
- Disposing well materials.
- Demobilizing system.
- Restoring site to original conditions.
- Preparing and filing a conveyance notice at the East Baton Rouge Parish courthouse in accordance with LDEQ guidelines.

4.0 SCHEDULE

PPM is prepared to implement the CAP upon LDEQ approval. Installation activities are expected to take approximately three days after receipt of equipment.

APPENDICES

APPENDIX A – FIGURES



SCALE: 1 : 24,000

1 .5 0 1
MILES

1000 0 1000 5000 10,000
FEET

1 0 1 2
KILOMETER

1000 0 1000 2000
METER

N

PPM CONSULTANTS, INC. www.ppmco.com		BEAU BOX PROPERTY MANAGEMENT **LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP** 8401 UNITED PLAZA BOULEVARD BATON ROUGE, LOUISIANA	SITE LOCATION MAP	FIGURE NUMBER 1
DRAWN BY: JCP	DRAWN DATE: 04/15/15			
PROJECT NUMBER: 503124	BILLING GROUP: CAP			

Z:\Beau Box Property Management\503124\Cap\503124-CAP dwg, 1 Site Location Map, 4/22/2015 8:50:21 AM, jay prickett

PPM CONSULTANTS, INC.
www.ppmco.com

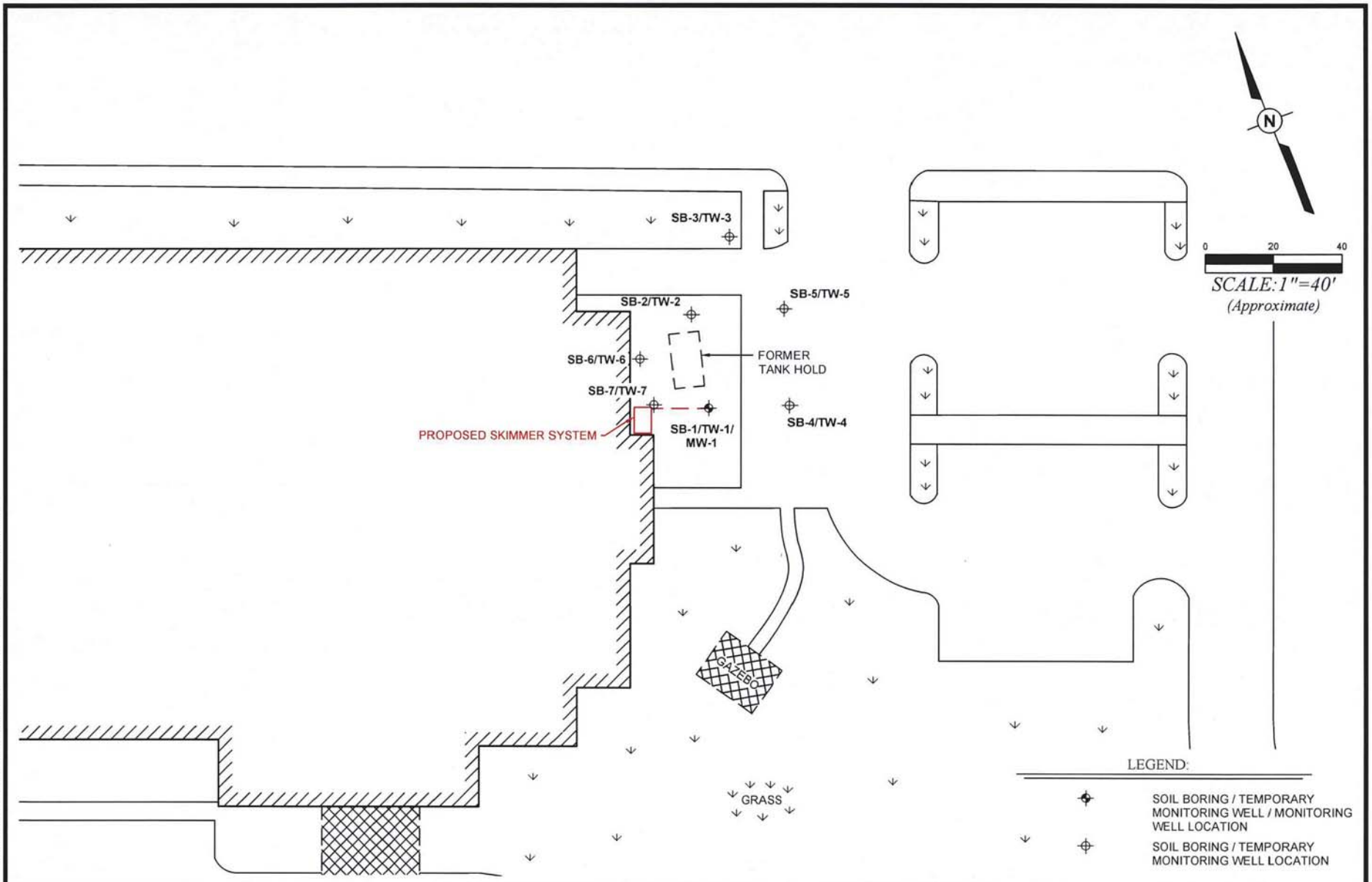
DRAWN BY:	DRAWN DATE:
JCP	04/15/15
PROJECT NUMBER:	BILLING GROUP:
503124	CAP

BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

SITE MAP

FIGURE NUMBER
2

Z:\Beau Box Property Management\503124\Cap\503124-CAP.dwg, 2 Site Map, 4/22/2015 8:50:26 AM, jay prickett



Z:\Beau Box Property Management\503124\Cap\503124-CAP.dwg, 3, 4/22/2015 8:50:27 AM, jay prickett

PPM CONSULTANTS, INC.
www.ppmco.com

DRAWN BY:	DRAWN DATE:
JCP	04/15/15
PROJECT NUMBER:	BILLING GROUP:
503124	CAP

BEAU BOX PROPERTY MANAGEMENT

LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP

8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

SYSTEM LAYOUT

FIGURE NUMBER

3

APPENDIX B – TABLES

Water Wells By LATITUDE / LONGITUDE Report

Latitude	Longitude	Radius Ft	MSG
30.412777778	-91.096944444	5280	Found 58 records

Well Distance Ft	SECTION	TOWNSHIP	RANGE	PARISH_NAME	PARISH_NUM	LOCAL_WELL_NUM	WELL_USE	DESCRIPTION	WELL_STATUS	OWNERS_NUM	OWNERS_NAME	DRILLERS_NAME	WELL_DEPTH	CASING_DIAMETER	DATE_COMPLETED	WATER_LEVEL	DATE_MEASURED	GEOLOGIC_UNIT	LATITUDE	LONGITUDE
0	040	07S	01E	EAST BATON ROUGE	033	9891Z	W	Piezometer	Active	TW-6	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	29	1	5/12/14	25		112SESC	302446	910549
0	040	07S	01E	EAST BATON ROUGE	033	9893Z	M	Monitor	Active	MW-1	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	24	4	5/12/14	11.5	5-12-14	112MRVA	302446	910549
0	040	07S	01E	EAST BATON ROUGE	033	9892Z	W	Piezometer	Active	TW-7	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	29	1	5/12/14	14	5-12-14	112SESC	302446	910549
1229.3	040	07S	01E	EAST BATON ROUGE	033	144	H	Domestic	Destroyed		WILLIAMS, L R	SUMMERS, D. K.	620	2	09/36	29.25	09/11/36	112048R	302435	910555
2427.04	040	07S	01E	EAST BATON ROUGE	033	226	H	Domestic	Destroyed		LEONARD, H	EBERHART	1275	4X2.50	01/27	41.00	00/00/27	121128R	302509	910557
2520.5	039	07S	01E	EAST BATON ROUGE	033	1278	O	Observation	Active		CAPITAL AREA GW	LAMBERT'S	550	2	06/97	37.00	06/11/97	112048R	302501	910526
2533.24	039	07S	01E	EAST BATON ROUGE	033	621	P	Public Supply	Active	WESTMR	BATON ROUGE WW	EBERHART	1487	12X8	12/56	10.42	01/04/57	121128R	302500	910525
2541.46	039	07S	01E	EAST BATON ROUGE	033	5349Z	L	Heat Pump	Active		MCELVEEN, JOY	ROUYEA'S	300		11/85	0.00		1120ONWM	302445	910520
2598.46	039	07S	01E	EAST BATON ROUGE	033	6041Z	M	Monitor	Active	MW-2	SOUTHLAND CORP	IT CORPORATION	12	4	08/88	2.00	09/28/88	112SESC	302505	910529
2598.46	039	07S	01E	EAST BATON ROUGE	033	6040Z	M	Monitor	Active	MW-1	SOUTHLAND CORP	IT CORPORATION	10	4	08/88	3.00	09/28/88	112SESC	302505	910529
2598.51	041	07S	01E	EAST BATON ROUGE	033	5728Z	M	Monitor	Plugged and Abandoned		KELLER OIL	SUBSURFACE	11	4	07/88	0.00		112SESC	302427	910609
2696.26	041	07S	01E	EAST BATON ROUGE	033	5727Z	M	Monitor	Plugged and Abandoned		KELLER OIL	SUBSURFACE	26	4	07/88	21.00	07/07/88	112SESC	302425	910608
2704.59	024	07S	01E	EAST BATON ROUGE	033	8751Z	M	Monitor	Active	PH1-22	BATON ROUGE, LA	PROFESSIONAL	85	2	09/03	9.50	09/12/03	112PLSC	302459	910616
2740.49	040	07S	01E	EAST BATON ROUGE	033	265	P	Public Supply	Destroyed	1	BR COUNTRY CLUB	EBERHART	1191	4	04/16	47.00	04/22/16	121128R	302513	910552
2740.49	040	07S	01E	EAST BATON ROUGE	033	445	I	Irrigation	Plugged and Abandoned	2	BR COUNTRY CLUB	CLEMARD	518	8X6X6	01/47	12.11	01/17/47	112048R	302513	910552
2845.3	041	07S	01E	EAST BATON ROUGE	033	224	H	Domestic	Destroyed		MURPHY, A	SUMMERS, D. K.	638	2X1.50	1936	26.70	08/01/40	112048R	302422	910606
2862.59	100	07S	01E	EAST BATON ROUGE	033	1136	I	Irrigation	Active	4	BR COUNTRY CLUB	EBERHART	1405	8X6	09/54	101.00	05/25/77	121128R	302514	910554
2931.25	040	07S	01E	EAST BATON ROUGE	033	227	H	Domestic	Destroyed		KEAN, J	EBERHART	1300	4	1917	0.00		121128R	302515	910550
2940.72	041	07S	01E	EAST BATON ROUGE	033	8931Z	M	Monitor	Plugged and Abandoned	MW-3	EXXON MOBIL	CRA, INC.	12	2	03/05	2.80	04/04/05	112SESC	302422	910608
2940.72	041	07S	01E	EAST BATON ROUGE	033	8929Z	M	Monitor	Plugged and Abandoned	MW-1	EXXON MOBIL	CRA, INC.	19	2	03/05	0.92	04/04/05	112SESC	302422	910608
2940.72	041	07S	01E	EAST BATON ROUGE	033	8930Z	M	Monitor	Plugged and Abandoned	MW-2	EXXON MOBIL	CRA, INC.	12	2	03/05	0.83	04/04/05	112SESC	302422	910608
2979.22	041	07S	01E	EAST BATON ROUGE	033	8984Z	I	Irrigation	Active		LSU BURDEN CENT	GILL (JACK)	170	2	06/06	35.00	06/20/06	00000000	302426	910614
3094.65	039	07S	01E	EAST BATON ROUGE	033	5919Z	M	Monitor	Plugged and Abandoned	MW-5	EXXON CO USA	ATEC	30	4	01/92	13.80	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5917Z	M	Monitor	Plugged and Abandoned	MW-3	EXXON CO USA	ATEC	20	4	01/92	7.40	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5916Z	M	Monitor	Plugged and Abandoned	MW-2	EXXON CO USA	ATEC	30	4	01/92	11.50	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5918Z	M	Monitor	Plugged and Abandoned	MW-4	EXXON CO USA	ATEC	30	4	01/92	11.70	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5915Z	M	Monitor	Plugged and Abandoned	MW-1	EXXON CO USA	ATEC	30	4	01/92	11.80	01/26/92	112SESC	302459	910517
3096.87	039	07S	01E	EAST BATON ROUGE	033	145	H	Domestic	Plugged and Abandoned		WEBB, FLETCHER	SUMMERS, D. K.	1210	2X1.50	02/34	25.00	02/01/34	121128R	302510	910527

TABLE B-1
LDNR WATER WELL SURVEY

3143	040	07S	01E	EAST BATON ROUGE	033	8003Z	B	Borehole/Pilot Hole	Plugged and Abandoned	TEST HOLE	BR COUNTRY CLUB	LAYNE (BR)	210		02/98	0.00		11200NWM	302517	910552
3655.98	052	07S	01E	EAST BATON ROUGE	033	815	O	Observation	Active		LSU BATON ROUGE	SUMMERS BROS	645	8	05/67	13.30	05/11/67	11204BR	302425	910623
3774.94	055	07S	01E	EAST BATON ROUGE	033	8917Z	W	Piezometer	Active	T04-25P	URS CORPORATION	CAPOZZOLI	30	2	02/05	16.00	02/21/05	112SESC	302409	910555
3920.61	100	07S	01E	EAST BATON ROUGE	033	267	H	Domestic	Destroyed		DUCOTE, E	UNKNOWN	490	2.50		0.00		11204BR	302514	910518
4524.08	039	07S	01E	EAST BATON ROUGE	033	271	H	Domestic	Active		BOND, C W	SINGLETARY	650	2.50	1919	0.00		11206BR	302508	910504
4797.17	059	07S	01E	EAST BATON ROUGE	033	272	H	Domestic	Destroyed		FONTENOT ETAL	UNKNOWN	530	2.50	1940	0.00		11204BR	302454	910455
4862.19	062	07S	01E	EAST BATON ROUGE	033	1259	I	Irrigation	Active	5	BR COUNTRY CLUB	LAYNE (BR)	515	16X10	03/94	41.00	03/31/94	11204BR	302534	910545
4862.19	062	07S	01E	EAST BATON ROUGE	033	816	I	Irrigation	Plugged and Abandoned	3	BR COUNTRY CLUB	EBERHART	520	12X9X9	10/63	41.68	02/08/67	11204BR	302534	910545
4952.63	053	07S	01E	EAST BATON ROUGE	033	7471Z	M	Monitor	Plugged and Abandoned	MW-2	CHEVRON	UNKNOWN	13	4	03/90	8.85	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7470Z	M	Monitor	Plugged and Abandoned	MW-1	CHEVRON	UNKNOWN	12	4	03/90	9.15	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7473Z	M	Monitor	Plugged and Abandoned	MW-4	CHEVRON	UNKNOWN	13	4	03/90	3.51	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7472Z	M	Monitor	Plugged and Abandoned	MW-3	CHEVRON	UNKNOWN	13	4	03/90	7.00	11/02/94	112SESC	302405	910620
5016.81	085	01S	06W	EAST BATON ROUGE	033	9354Z	H	Domestic	Plugged and Abandoned		WASHANER, WOLFE		50	2		0.00		00000000	302451	910452
5163.53	083	07S	01E	EAST BATON ROUGE	033	8054Z	W	Piezometer	Plugged and Abandoned	PZ-15	WHITNEY BANK	CRA, INC.	102	4	06/98	13.23	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	7977Z	W	Piezometer	Plugged and Abandoned	PZ-2	WHITNEY BANK	G & E	36	2	12/97	7.79	02/07/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	7978Z	W	Piezometer	Plugged and Abandoned	PZ-3	WHITNEY BANK	G & E	31	2	12/97	7.23	02/07/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8052Z	W	Piezometer	Plugged and Abandoned	PZ-13	WHITNEY BANK	CRA, INC.	56	2	06/98	9.59	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8055Z	W	Piezometer	Plugged and Abandoned	PZ-16	WHITNEY BANK	CRA, INC.	162	2	07/98	13.76	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8053Z	W	Piezometer	Plugged and Abandoned	PZ-14	WHITNEY BANK	CRA, INC.	75	4	06/98	11.96	07/17/98	112SESC	302530	910619
5178.3	055	07S	01E	EAST BATON ROUGE	033	8916Z	W	Piezometer	Active	T04-24P	URS CORPORATION	CAPOZZOLI	41	2	02/05	4.00	02/24/05	112PLSC	302356	910602
5208.62	083	07S	01E	EAST BATON ROUGE	033	8046Z	W	Piezometer	Plugged and Abandoned	PZ-7	WHITNEY BANK	CRA, INC.	36	2	06/98	10.58	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8048Z	W	Piezometer	Plugged and Abandoned	PZ-9	WHITNEY BANK	CRA, INC.	36	2	06/98	10.36	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8050Z	W	Piezometer	Plugged and Abandoned	PZ-11	WHITNEY BANK	CRA, INC.	56	2	06/98	9.87	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8051Z	W	Piezometer	Destroyed	PZ-12	WHITNEY BANK	CRA, INC.	55	2	06/98	10.19	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8044Z	W	Piezometer	Destroyed	PZ-5	WHITNEY BANK	CRA, INC.	38	2	06/98	10.68	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8047Z	W	Piezometer	Plugged and Abandoned	PZ-8	WHITNEY BANK	CRA, INC.	36	2	06/98	9.96	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8049Z	W	Piezometer	Plugged and Abandoned	PZ-10	WHITNEY BANK	CRA, INC.	36	2	06/98	10.36	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8045Z	W	Piezometer	Plugged and Abandoned	PZ-6	WHITNEY BANK	CRA, INC.	36	2	06/98	10.13	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	7976Z	W	Piezometer	Plugged and Abandoned	PZ-1	WHITNEY BANK	G & E	34	2	12/97	6.84	02/07/98	112SESC	302530	910620
5254.79	083	07S	01E	EAST BATON ROUGE	033	8043Z	W	Piezometer	Destroyed	PZ-4	WHITNEY BANK	CRA, INC.	35	2	06/98	10.78	07/17/98	112SESC	302530	910621

TABLE B-2A
SOIL ANALYTICAL LABORATORY SUMMARY (0 to 15 FEET BGS)
AOI 1 - SOIL
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35
SB-3	SB-3 (13-15)	1	13	15	04/03/2014		66		6.7		35		39
SB-5	SB-5 (11-13)	1	11	13	04/03/2014	<	5		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014		710		NA		NA		NA
SB-7	SB-7 (11-13)	1	11	13	04/09/2014		1,300		NA		NA		NA
					Minimum Concentration	**<**	**5**		**6.7**		**35**		**39**
					Maximum Concentration		**1,300**		**6.7**		**35**		**39**
					MO1 or Screening Standards		**5,000**		**2,000**		**3,800**		**10,000**

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21	Code	Aromatics >C21-C35
SB-3	SB-3 (13-15)	1	13	15	04/03/2014	<	1.7		7.7		14	<	10
SB-5	SB-5 (11-13)	1	11	13	04/03/2014		NA		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014		NA		NA		NA		NA
SB-7	SB-7 (11-13)	1	11	13	04/09/2014		NA		NA		NA		NA
					Minimum Concentration	**<**	**1.7**		**7.7**		**14**	**<**	**10**
					Maximum Concentration	**<**	**1.7**		**7.7**		**14**	**<**	**10**
					MO1 or Screening Standards		**5,000**		**5,000**		**1,700**		**2,500**

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene
SB-3	SB-3 (13-15)	1	13	15	04/03/2014		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/2014		NA		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (11-13)	1	11	13	04/09/2014	<	0.033	<	0.033	<	0.033	<	0.033
					Minimum Concentration	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
					Maximum Concentration	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
					MO1 or Screening Standards		**220**		**88**		**120**		**2.9**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2A
SOIL ANALYTICAL LABORATORY SUMMARY (0 to 15 FEET BGS)
AOI 1 - SOIL
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene
SB-3	SB-3 (13-15)	1	13	15	04/03/2014		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/2014		NA		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014	<	0.033	<	0.033	<	0.033		0.037
SB-7	SB-7 (11-13)	1	11	13	04/09/2014	<	0.033	<	0.033	<	0.033	<	0.033
					Minimum Concentration	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
					Maximum Concentration	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**		**0.037**
					MO1 or Screening Standards		**0.33**		**2.9**		**29**		**76**

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)-pyrene
SB-3	SB-3 (13-15)	1	13	15	04/03/2014		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/2014		NA		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014	<	0.033	<	0.033		0.69	<	0.033
SB-7	SB-7 (11-13)	1	11	13	04/09/2014	<	0.033		0.11		0.88	<	0.033
					Minimum Concentration	**<**	**0.033**	**<**	**0.033**		**0.69**	**<**	**0.033**
					Maximum Concentration	**<**	**0.033**		**0.11**		**0.88**	**<**	**0.033**
					MO1 or Screening Standards		**0.33**		**1,200**		**230**		**2.9**

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Methylnaphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-3	SB-3 (13-15)	1	13	15	04/03/2014		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/2014		NA		NA		NA		NA
SB-6	SB-6 (11-13)	1	11	13	04/09/2014		6		1.2		1.9		0.32
SB-7	SB-7 (11-13)	1	11	13	04/09/2014		7.3		1.4		2.5		0.44
					Minimum Concentration		**6**		**1.2**		**1.9**		**0.32**
					Maximum Concentration		**7.3**		**1.4**		**2.5**		**0.44**
					MO1 or Screening Standards		**826**		**1.5**		**660**		**1,100**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2B
SOIL ANALYTICAL LABORATORY SUMMARY (0 to 15 FEET BGS)
AOI 2 - SOIL
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Boring ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21
SB-1	17	19	04/03/2014		5,200		380		1,300		1,300		7.8		240		460
SB-1	21	24	04/03/2014		1,800		NA		NA		NA		NA		NA		NA
SB-2	17	19	04/03/2014		500		NA		NA		NA		NA		NA		NA
SB-2	21	24	04/03/2014		70		NA		NA		NA		NA		NA		NA
SB-3	13	15	04/03/2014		66		6.7		35		39	<	1.7		7.7		14
SB-3	21	24	04/03/2014	<	5		NA		NA		NA		NA		NA		NA
SB-4	17	19	04/03/2014		14		NA		NA		NA		NA		NA		NA
SB-4	26	29	04/03/2014	<	5		NA		NA		NA		NA		NA		NA
SB-5	11	13	04/03/2014	<	5		NA		NA		NA		NA		NA		NA
SB-5	17	20	04/03/2014		62		NA		NA		NA		NA		NA		NA
SB-6	11	13	04/09/2014		710		NA		NA		NA		NA		NA		NA
SB-6	27	30	04/09/2014		5		NA		NA		NA		NA		NA		NA
SB-7	11	13	04/09/2014		1,300		110		870		870	<	1.7		45		280
SB-7	27	30	04/09/2014		5		NA		NA		NA		NA		NA		NA
			Minimum Concentration	<	5		6.7		35		39	<	1.7		7.7		14
			Maximum Concentration		5,200		380		1,300		1,300		7.8		240		460
			MO1 or Screening Standards		65		1,955		3,772		10,000		102		10,000		1,746

Boring ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Aromatics >C21-C35	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benzo(a)anthracene	Code	Benzo(a)pyrene	Code	Benzo(b)fluoranthene
SB-1	17	19	04/03/2014		80		NA		NA		NA		NA		NA		NA
SB-1	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-2	17	19	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-2	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-3	13	15	04/03/2014	<	10		NA		NA		NA		NA		NA		NA
SB-3	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-4	17	19	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-4	26	29	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-5	11	13	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-5	17	20	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-6	11	13	04/09/2014		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-6	27	30	04/09/2014		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	11	13	04/09/2014		53	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	27	30	04/09/2014		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
			Minimum Concentration	<	10	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
			Maximum Concentration		80	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
			MO1 or Screening Standards		2,518		215		88		121		2.9		0.33		2.9

Notes:
Bold RED type indicates concentration exceeds the RECAP Screening Standard.
Bold BLUE type indicates highest concentration for each COC.

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NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)
* - Indicates data from the April 23, 2014, UST closure sampling

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B - Indicates blank contamination exceeding MDL

TABLE B-2B
SOIL ANALYTICAL LABORATORY SUMMARY (0 to 15 FEET BGS)
AOI 2 - SOIL
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Boring ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Benzo(k)fluoranthene	Code	Chrysene	Code	Dibenz(a,h)anthracene	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)pyrene	Code	Methylnaphthalene,2-
SB-1	17	19	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-1	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-2	17	19	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-2	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-3	13	15	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-3	21	24	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-4	17	19	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-4	26	29	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-5	11	13	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-5	17	20	04/03/2014		NA		NA		NA		NA		NA		NA		NA
SB-6	11	13	04/09/2014	<	0.033		0.037	<	0.033	<	0.033		0.69	<	0.033		6
SB-6	27	30	04/09/2014	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	11	13	04/09/2014	<	0.033	<	0.033	<	0.033		0.11		0.88	<	0.033		7
SB-7	27	30	04/09/2014	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
			Minimum Concentration	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**
			Maximum Concentration	<	**0.033**		**0.037**	<	**0.033**		**0.11**		**0.88**	<	**0.033**		**7**
			MO1 or Screening Standards		**29**		**76**		**0.33**		**1,213**		**266**		**2.9**		**1.7**

Boring ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	SPLP Methylnaphthalene,2-	Code	Naphthalene	Code	SPLP Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-1	17	19	04/03/2014		NA		NA		NA		NA		NA
SB-1	21	24	04/03/2014		NA		NA		NA		NA		NA
SB-2	17	19	04/03/2014		NA		NA		NA		NA		NA
SB-2	21	24	04/03/2014		NA		NA		NA		NA		NA
SB-3	13	15	04/03/2014		NA		NA		NA		NA		NA
SB-3	21	24	04/03/2014		NA		NA		NA		NA		NA
SB-4	17	19	04/03/2014		NA		NA		NA		NA		NA
SB-4	26	29	04/03/2014		NA		NA		NA		NA		NA
SB-5	11	13	04/03/2014		NA		NA		NA		NA		NA
SB-5	17	20	04/03/2014		NA		NA		NA		NA		NA
SB-6	11	13	04/09/2014		NA		1.2		NA		1.9		0.32
SB-6	27	30	04/09/2014		NA	<	0.033		NA	<	0.033	<	0.033
SB-7	11	13	04/09/2014		0.016		1.4		NA		2.5		0.44
SB-7	27	30	04/09/2014		NA	<	0.033		NA	<	0.033	<	0.033
			Minimum Concentration		**0.016**	<	**0.033**		**NA**	<	**0.033**	<	**0.033**
			Maximum Concentration		**0.016**		**1.4**		**NA**		**2.5**		**0.44**
			MO1 or Screening Standards		**0.12**		**1.5**		**0.2**		**660**		**230**

Notes:
Bold RED type indicates concentration exceeds the RECAP Screening Standard.
Bold BLUE type indicates highest concentration for each COC.

ND - Not Detected
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)
* - Indicates data from the April 23, 2014, UST closure sampling

J - Indicates data are estimated by laboratory
U - Indicates that the data are considered to be undetected at the elevated detection limit due to blank contamination; data are usable as undetected values
B - Indicates blank contamination exceeding MDL

TABLE B-3
GROUNDWATER ANALYTICAL LABORATORY SUMMARY
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Sample ID	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16
SB-2/TW-2	04/04/2014		4.2		NA		NA		NA		NA		NA
SB-3/TW-3	04/04/2014		0.51		NA		NA		NA		NA		NA
SB-4/TW-4	04/04/2014		8.4		0.19		0.24		0.35	<	0.1		0.29
SB-5/TW-5	04/04/2014	<	0.15		NA		NA		NA		NA		NA
SB-6/TW-6	04/10/2014	<	0.15		NA		NA		NA		NA		NA
SB-7/TW-7	04/10/2014		16		0.14		0.1	<	0.1	<	0.1	<	0.1
MW-1	06/27/2014		430		21		70		69		0.46		15
MW-1	04/21/2015		NT		5.81		19.8		17.4		0.169		2.94
Minimum Concentrations		**<**	**0.15**		**0.14**		**0.1**	**<**	**0.1**	**<**	**0.1**	**<**	**0.1**
Maximum Concentrations			**430**		**21**		**70**		**69**		**0.46**		**15**
MO2 Standards			**--**		**349**		**82**		**1,171**		**2,698**		**1,171**

Sample ID	Sample Date	Code	Aromatics >C16-21	Code	Aromatics >C21-C35	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benzo(a)anthracene
SB-2/TW-2	04/04/2014		NA		NA		NA		NA		NA		NA
SB-3/TW-3	04/04/2014		NA		NA		NA		NA		NA		NA
SB-4/TW-4	04/04/2014		0.18		0.26		NA		NA		NA		NA
SB-5/TW-5	04/04/2014		NA		NA		NA		NA		NA		NA
SB-6/TW-6	04/10/2014		NA		NA		0.00051	<	0.00018	<	0.00018	<	0.00018
SB-7/TW-7	04/10/2014	<	0.1	<	0.1	<	0.0091	<	0.0091	<	0.0091	<	**0.0091**
MW-1	06/27/2014		23		3.5	<	0.018	<	0.018	<	0.018	<	**0.018**
MW-1	04/21/2015		7.51		1.26		0.268	<	0.019	<	0.019	<	0.019
Minimum Concentrations		**<**	**0.1**	**<**	**0.1**		**0.00051**	**<**	**0.00018**	**<**	**0.00018**	**<**	**0.00018**
Maximum Concentrations			**23**		**3.5**		**0.268**	**<**	**0.019**	**<**	**0.019**	**<**	**0.019**
MO2 Standards			**1,171**		**1,171**		**4**		**16**		**0.043**		**0.0078**

Notes:
Bold RED type indicates concentration exceeds the RECAP Screening Standard.
Bold BLUE type indicates highest concentration for each COC.

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NA - Not Analyzed for Parameter
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J - Indicates data are estimated by laboratory
U - Indicates that the data are considered to be undetected at the elevated detection limit due to blank contamination; data are usable as undetected values
B - Indicates blank contamination exceeding MDL

TABLE B-3
GROUNDWATER ANALYTICAL LABORATORY SUMMARY
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

Sample ID	Sample Date	Code	Benzo(a)pyrene	Code	Benzo(b)fluoranthene	Code	Benzo(k)fluoranthene	Code	Chrysene	Code	Dibenz(a,h)anthracene	Code	Fluoranthene
SB-2/TW-2	04/04/2014		NA		NA		NA		NA		NA		NA
SB-3/TW-3	04/04/2014		NA		NA		NA		NA		NA		NA
SB-4/TW-4	04/04/2014		NA		NA		NA		NA		NA		NA
SB-5/TW-5	04/04/2014		NA		NA		NA		NA		NA		NA
SB-6/TW-6	04/10/2014	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018
SB-7/TW-7	04/10/2014	<	**0.0091**	<	**0.0091**	<	0.0091	<	**0.0091**	<	**0.0091**	<	0.0091
MW-1	06/27/2014	<	**0.018**	<	**0.018**	<	0.018	<	**0.018**	<	**0.018**	<	0.018
MW-1	04/21/2015	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**
Minimum Concentrations		<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**
Maximum Concentrations		<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**
MO2 Standards			**0.0016**		**0.0048**		**25**		**0.0016**		**0.0025**		**0.21**

Sample ID	Sample Date	Code	Fluorene	Code	Indeno(1,2,3-cd)pyrene	Code	Methylnaphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-2/TW-2	04/04/2014		NA		NA		NA		NA		NA		NA
SB-3/TW-3	04/04/2014		NA		NA		NA		NA		NA		NA
SB-4/TW-4	04/04/2014		NA		NA		NA		NA		NA		NA
SB-5/TW-5	04/04/2014		NA		NA		NA		NA		NA		NA
SB-6/TW-6	04/10/2014		0.00062	<	0.00018		0.0072		0.0045		0.00069	<	0.00018
SB-7/TW-7	04/10/2014		0.021	<	**0.0091**		0.25		0.05		0.044		0.011
MW-1	06/27/2014		0.23	<	**0.018**		1.7		0.33		0.4		**0.073**
MW-1	04/21/2015		**0.449**	<	**0.019**		**2.34**		**0.645**		**0.724**	<	**0.019**
Minimum Concentrations			**0.00062**	<	**0.00018**		**0.0072**		**0.0045**		**0.00069**	<	**0.00018**
Maximum Concentrations			**0.449**	<	**0.019**		**2.34**		**0.645**		**0.724**	<	**0.073**
MO2 Standards			**2**		**0.0037**		**25**		**31**		**1.2**		**0.14**

Notes:
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U - Indicates that the data are considered to be undetected at the elevated detection limit due to blank contamination; data are usable as undetected values
B - Indicates blank contamination exceeding MDL

RISK EVALUATION/ CORRECTIVE ACTION PROGRAM REPORT

BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

LDEQ AGENCY INTEREST NO. 79956
FACILITY ID NO. 17-017472
INCIDENT NO. 154846

PPM PROJECT NO. 503124

JUNE 2015

Environmental Science and Engineering

PPM CONSULTANTS

PPM CONSULTANTS

Environmental Science and Engineering

7936 Office Park Boulevard • Baton Rouge, LA 70809 • Tel 225 293-7270 • Fax 225 293-7271 • www.ppmco.com

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LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG FY 2016 - 7

June 29, 2015

Mr. Gary A. Fulton, Administrator
Louisiana Department of Environmental Quality
Office of Environmental Compliance
Remediation and Underground Storage Tank Division
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

Re: Risk Evaluation/Corrective Action Program Report
Beau Box Property Management
Louisiana Retirement Systems Building Partnership
8401 United Plaza Boulevard
Baton Rouge, Louisiana
East Baton Rouge Parish
Incident No. 154846
Facility ID No. 17-017472
LDEQ Agency Interest No. 79956
PPM Project No. 503124

Remediation Services Division
Manager: Blanchard
Team Leader: Messina
AI #: 79956
TEMPO Task #:
Desk Copy File Room: UST

TRANSMITTAL LETTER

Dear Mr. Fulton:

Enclosed please find three copies of the Risk Evaluation/Corrective Action Program Report prepared by PPM Consultants, Inc. for the above-referenced site.

If you have any questions or need any additional information, please do not hesitate to contact me at (225) 293-7270.

Sincerely,
PPM Consultants, Inc.

Michael D. Luckett, P.E.
Senior Engineer

Enclosures

cc: Mr. Layne Roberts, Beau Box Property Management

RISK EVALUATION/ CORRECTIVE ACTION PROGRAM REPORT

BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

LDEQ AGENCY INTEREST NO. 79956
FACILITY ID NO. 17-017472
INCIDENT NO. 154846

PPM PROJECT NO. 503124

JUNE 2015

RISK EVALUATION/CORRECTIVE ACTION PROGRAM REPORT

AT

LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA
EAST BATON ROUGE PARISH

LDEQ AGENCY INTEREST NO. 79956
FACILITY ID NO. 17-017472
INCIDENT NO. 154846

PREPARED FOR:

BEAU BOX PROPERTY MANAGEMENT
MR. LAYNE ROBERTS
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(225) 237-3343

PPM PROJECT NO. 503124

JUNE 2015

PREPARED BY:

CHASITY H. REED
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PRINCIPAL

PPM CONSULTANTS, INC.
THOMAS B. (TIM) POWERS
7936 OFFICE PARK BOULEVARD, SUITE A
BATON ROUGE, LOUISIANA 70809
(225) 293-7270

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1.0 BACKGROUND

PPM Consultants, Inc. (PPM) has prepared this Risk Evaluation/Corrective Action Program (RECAP) submittal for Beau Box Property Management, to address petroleum hydrocarbon (diesel) impact to site soil and groundwater at Louisiana Retirement Systems Building Partnership located at 8401 United Plaza Boulevard in Baton Rouge, East Baton Rouge Parish, Louisiana. The RECAP Standards are utilized by the Louisiana Department of Environmental Quality (LDEQ) to address risk to human health and the environment posed by the release of chemical constituents to the environment. PPM evaluated the site utilizing the guidelines established in the RECAP guidance document (October 20, 2003).

1.1 SITE DESCRIPTION

Geographically, the site is located in Section 40, Township 7 South, Range 1 East of the Baton Rouge East Quadrangle at the approximate Longitude 91° 05' 49.3" and Latitude 30° 24' 46.5". The site location is shown in **Figure 1, Site Location Map**, in **Appendix A, Figures**.

The topography of the site is generally flat. The only structure present at the site is the professional office building. The surface area is covered mostly by concrete, with areas of grass along the south and east sides of the building.

There was one underground storage tank (UST) located in a single tank pit located on the east side of the building. The UST pit contained one 2,000-gallon capacity diesel UST. Site features are shown in **Figure 2, Site Map**, in **Appendix A**.

1.2 LAND USE AND ZONING

Currently, the subject site is a professional office building and is to be maintained as such in the future. Thus, the property is utilized as a commercial property. There are no known changes in business or structure intended for the subject site.

1.3 ADJACENT PROPERTIES

Adjacent properties include professional office buildings and their associated parking lots to the north, east, southeast, and southwest. Adjacent properties are shown in **Figure 3, Regional Site Map**, in **Appendix A**.

1.4 ENVIRONMENTAL HISTORY

One 2,000-gallon diesel UST was installed at the site on March 10, 1985, to fuel the building's emergency generator.

Beau Box reported a release at the site to the LDEQ on March 25, 2014, upon discovering that the diesel UST on the site was empty. On March 31, 2014, PPM submitted a Workplan for Limited Site Investigation to the LDEQ.

PPM began site assessment activities at the site on April 3, 2014. On April 23, 2014, Southern Tank Testers, Inc., with oversight by PPM, removed the 2,000-gallon diesel UST and approximately 70 tons of soil backfill from the site. The tank was visually inspected and found to be in poor condition. Soil samples collected during the UST removal indicated that Total Petroleum Hydrocarbons – Diesel (TPH-D), naphthalene, 2-methylnaphthalene, SPLP 2-methylnaphthalene, aliphatics $>C_{12}$-C_{16}, aromatics $>C_{12}$-C_{16}, and aromatics $>C_{16}$-C_{21} exceeded their respective UST RECAP Screening Standards (SS). The Tank Excavation Assessment Report was submitted to the LDEQ on November 24, 2014.

PPM and Gator Environmental visited the site on April 10, 2014, May 29, 2014, June 2, 2014, June 24, 2014, and February 5, 2015, to conduct Mobile Dual-Phase Vacuum Extraction (MDPVE) events on monitor well MW-1. Additionally, PPM hand-bailed free product from monitor well MW-1 and temporary monitor well TW-7 several times during the course of this investigation and a skimmer was installed in monitor well MW-1 on August 21, 2014, to recover free product. A total of approximately 156 gallons of free product were recovered during the hand-bailing and MDPVE events. Free product was not observed in temporary monitor wells TW-4, TW-5, or TW-6 during the course of this investigation. Temporary monitor wells TW-2 and TW-3 were destroyed during removal of the UST on April 23, 2014.

On May 18, 2015, PPM submitted a RECAP Input Parameter (RIP) form to the LDEQ and client.

2.0 CONDITIONS

Methods to delineate the Area of Investigation (AOI) were conducted in accordance with PPM's internal *Technical Sampling and Analysis* (TS&A) *Plan, Quality Assurance/Quality Control* (QA/QC) *Plan*, and *Health and Safety Plan* (HASP).

PPM mobilized to the site on April 3, 2014, to conduct site investigation field activities. Seven soil borings (SB-1/TW-1 through SB-7/TW-7) were installed to approximate depths ranging from 20 to 30 feet below ground surface (BGS) during the investigation to determine the distribution of petroleum hydrocarbons in soil and groundwater. On June 27, 2014, groundwater monitoring well MW-1 was installed in soil boring SB-1/TW-1 to an approximate depth of 24 feet BGS.

2.1 SITE GEOLOGY

Seven soil borings were advanced at the site during the assessment. Subsurface conditions and lithology at the site were identified from visual inspection of samples obtained from the soil borings. Site lithology included alluvial sediments consisting of Silty Clay. The default fractional organic carbon (foc) value of 0.006 was utilized at the site.

2.2 SITE HYDROGEOLOGY

2.2.1 Groundwater Characteristics

One permanent 4-inch groundwater monitoring well and seven temporary probe wells were installed during the investigation to characterize groundwater conditions at the site. Saturated soils were encountered approximately 12 to 19 feet BGS in each soil boring. Static groundwater levels were recorded at depths between 8.25 and 11.69 feet BGS subsequent to well installation. The aquifer thickness was determined to be approximately 16 feet thick, based on geological borings logs, which are presented in **Appendix C, Boring Logs**.

No groundwater monitoring event has occurred at the site; therefore, groundwater flow direction was determined by selecting the nearest surface water body, as shown on **Figure 1, Appendix A**.

2.2.2 Groundwater Classification

The classification of the groundwater at the site was based on criteria found in *Section 2.10, Groundwater/Aquifer Use*, of the RECAP guidance document. The criteria for classification of the groundwater include the current use of the groundwater within the vicinity of the release, the maximum yield of the aquifer, and the total dissolved solids (TDS) concentration in the groundwater. Based on the following sections, the groundwater classification for the site is considered to be Groundwater-3 Non-Drinking water.

The groundwater classification for the site is considered to be Groundwater-3 Non-Drinking water based on information from Former Shell Retail Store No. 101249 (LDEQ Agency Interest No. 70008), which is located approximately 3,200 feet northeast of the site and is considered to be representative of conditions at the site. The groundwater yield for Former Shell Retail Store No. 101249 was less than 800 gallons per day. Therefore, a classification of Groundwater-3 was used. The nearest downgradient water body is the North Branch of Ward Creek, which is no listed as a drinking water body in LAC 33:IX; therefore, it is classified as Groundwater-3 Non-Drinking Water.

2.2.2.1 Water Well Survey

On February 20, 2015, PPM obtained a water well survey from the Department of Natural Resources (DNR) in order to identify current water wells within a 1-mile radius of the source area, and is included in **Appendix D, DNR Water Well Survey**. There were 58 registered wells identified within the search area (1-mile radius). Twenty of the wells were identified as piezometers, eighteen as monitoring, two as observation, one as a heat pump, and one as a borehole/pilot hole within the area. In addition, nine water wells were identified as domestic, two as public supply, and five as irrigation within the 1-mile radius. The domestic wells are installed to depths ranging from 50 to 1,300 feet in the 400-Foot, 600-Foot, and 1,200-Foot Sands of Baton Rouge Area. One domestic well (DNR No. 271) is identified as active. The remaining domestic wells are identified as destroyed or plugged and abandoned. The public supply wells are installed to depths ranging from 1,197 to 1,487 into the 1,200-Foot Sands of Baton Rouge Area. One public supply well (DNR No. 621) is identified as active, while the remaining well is identified as destroyed. The irrigation wells are installed to depths ranging from 170 to 1,405 feet into the 400-Foot and 1,200-Foot Sands of Baton Rouge Area. The aquifer at the site is the Southeast Louisiana Aquifer System Surficial Confining Unit. Due to the aquifer at the site being different from the drinking water aquifers, there is no possibility of impact to the domestic, public supply, and irrigation wells, as shown in **Table B-1, DNR Water Well Survey**, in

Appendix B, Tables. Domestic, public supply, and irrigation water wells are shown in **Figure 4, Water Well Survey Map**, in **Appendix A**.

2.3 CONSTITUENTS OF CONCERN DISTRIBUTION

As defined in the RECAP guidelines, constituents of concern (COC) are the constituents that are site-related and the focus of the risk investigation process. Initially, all constituents detected in at least one sample were identified as a COC. Sample collection and screening of each COC were conducted in accordance with *Section 3.2, Sample Collection and Screening Rational*. All laboratory analyses were conducted by a laboratory approved by the LDEQ in accordance with methods approved by the Environmental Protection Agency (EPA).

The data were determined to be Analyte specific and the identity and concentrations were confirmed in accordance with *Section 2.5, Data Evaluation and Data Usability*, of the 2003 RECAP guidelines, and summarized below:

- Analytical method used to analyze each COC are approved methods;
- Sample quantitation limits for at least 90 to 95 percent of the samples collected were at or below the limiting screening standards or RECAP standards;
- Blank sample results were below the detection limit; and
- Identification of tentatively identified compounds is not required at sites impacted with petroleum hydrocarbons.

QA/QC requirements as stated in *Section 2.4* of the 2003 RECAP guidance were met for this site. Laboratory Data and QA/QC Documentation are presented in **Appendix E, Laboratory Analytical Reports and Chain-Of-Custody**. An evaluation of the analytical data is provided on **RECAP Form 3, Analytical Data Evaluation**, in **Appendix F, RECAP Forms**.

2.3.1 Constituents of Concern in Soil

A total of seven soil borings have been advanced during the assessment activities at the site. All analytical results collected from these borings are included in the RECAP evaluation. Constituent concentrations ranges are as follows:

- Aliphatics C10-C12 concentrations from 6.7 to 380 ppm;
- Aliphatics C12-C16 concentrations from 35 to 1,300 ppm;
- Aliphatics C16-C35 concentrations from 39 to 1,300 ppm;
- Aromatics C10-C12 concentrations from <1.7 to 7.8 ppm;
- Aromatics C12-C16 concentrations from 7.7 to 240 ppm;
- Aromatics C16-C21 concentrations from 14 to 460 ppm;
- Aromatics C21-C35 concentrations from <10 to 80 ppm;
- Acenaphthene concentrations were <0.033 ppm;
- Acenaphthylene concentrations were <0.033 ppm;
- Anthracene concentrations were <0.033 ppm;
- Benz(a)anthracene concentrations were <0.033 ppm;
- Benzo(a)pyrene concentrations were <0.033 ppm;
- Benzo(b)fluoranthene concentrations were <0.033 ppm;
- Benzo(k)fluoranthene concentrations were <0.033 ppm;
- Chrysene concentrations from <0.033 to 0.037 ppm;
- Dibenz(a,h)anthracene concentration were <0.033 ppm;
- Fluoranthene concentrations from <0.033 to 0.11 ppm;
- Fluorene concentrations from <0.033 to 0.88 ppm;
- Indeno(1,2,3-cd)pyrene concentrations were <0.033 ppm;
- 2-Methylnaphthalene concentrations from <0.033 to 7.3 ppm;
- Naphthalene concentrations from <0.033 to 1.4 ppm;
- Phenanthrene concentrations from <0.033 to 2.5 ppm; and
- Pyrene concentrations from <0.033 to 0.44 ppm.

The highest constituent concentrations in soil from the soil sampling events are summarized in **Table B-2, Soil Analytical Summary**, in **Appendix B**. COCs in soil that exhibited concentrations above the screening standards are shown graphically in the **Figure 5, COC Concentrations in Soil**, in **Appendix A**.

2.3.2 Constituents of Concern in Groundwater

Dissolved constituent concentrations in groundwater have ranged as follows:

- Aliphatics C10-C12 concentrations from 0.14 to 21 ppm;
- Aliphatics C12-C16 concentrations from 0.1 to 70 ppm;
- Aliphatics C16-C35 concentrations from 0.35 to 69 ppm;
- Aromatics C10-C12 concentrations from <0.1 to 0.46 ppm;
- Aromatics C12-C16 concentrations from 0.29 to 15 ppm;
- Aromatics C16-C21 concentrations from 0.18 to 23 ppm;
- Aromatics C21-C35 concentrations from 0.26 to 3.5 ppm;
- Acenaphthene concentrations from 0.00051 to <0.018 ppm;
- Acenaphthylene concentrations from <0.00018 to <0.018 ppm;
- Anthracene concentrations from <0.00018 to <0.018 ppm;
- Benz(a)anthracene concentrations from <0.00018 to <0.018 ppm;
- Benzo(a)pyrene concentrations from <0.00018 to <0.018 ppm;
- Benzo(b)fluoranthene concentrations from <0.00018 to <0.018 ppm;
- Benzo(k)fluoranthene concentrations from <0.00018 to <0.018 ppm;
- Chrysene concentrations from <0.00018 to <0.018 ppm;
- Dibenz(a,h)anthracene concentration from <0.00018 to <0.018 ppm;
- Fluoranthene concentrations from <0.00018 to <0.018 ppm;
- Fluorene concentrations from 0.00062 to 0.23 ppm;
- Indeno(1,2,3-cd)pyrene concentrations from <0.00018 to <0.018 ppm;
- 2-Methylnaphthalene concentrations from 0.0072 to 1.7 ppm;
- Naphthalene concentrations from 0.0045 to 0.33 ppm;
- Phenanthrene concentrations from 0.00069 to 0.4 ppm; and
- Pyrene concentrations from <0.00018 to 0.73 ppm.

The highest dissolved constituent concentrations in groundwater from the groundwater sampling events are summarized in **Table B-3, Groundwater Analytical Summary**, in **Appendix B**. COCs in groundwater that exhibited concentrations above the screening standards are shown graphically in the **Figure 6, Dissolved COC Concentrations in Groundwater**, in **Appendix A**.

2.3.3 Free Product Distribution

Free product (diesel) was present in site monitoring wells TW-7 and MW-1 during site assessment activities. The most recent gauging event conducted on February 5, 2015, revealed product thicknesses of 0.03 feet and 0.16 feet, respectively.

2.4 OFF-SITE CONDITIONS

2.4.1 Off-Site Impact

No offsite impact of petroleum hydrocarbons was apparent at the site.

2.4.2 Off-Site Sources

No offsite sources of petroleum hydrocarbons were apparent at the site.

3.0 MIGRATION PATHWAYS AND SENSITIVE RECEPTORS

A sensitive receptor survey was conducted within the site vicinity to identify receptors potentially sensitive to released petroleum hydrocarbons. Receptors considered being potentially sensitive included: migration pathways, biological receptors, natural receptors, and underground man-made receptors.

Several potential migration pathways were identified at the site such as underground utilities. Underground utilities located at the site did not appear to be impacted.

Biological receptors such as plants and animals do not appear to have been impacted from the subsurface release at the site. Human health does not appear to have been impacted at the site.

No lakes, streams, or surface bodies of water appear to have been impacted by the release.

PPM obtained a water well plot from the DNR in order to identify water wells within a 1-mile radius of the site. As shown in **Appendix D**, nine water wells were identified as domestic, two as public supply, and five as irrigation within the 1-mile radius. The domestic wells are installed to depths ranging from 50 to 1,300 feet in the 400-Foot, 600-Foot, and 1,200-Foot Sands of Baton Rouge Area. One domestic well (DNR No. 271) is identified as active. The remaining domestic wells are identified as destroyed or plugged and abandoned. The public supply wells are installed to depths ranging from 1,197 to 1,487 into the 1,200-Foot Sands of Baton Rouge Area. One public supply well (DNR No. 621) is identified as active, while the remaining well is identified as destroyed. The irrigation wells are installed to depths ranging from 170 to 1,405 feet into the 400-Foot and 1,200-Foot Sands of Baton Rouge Area. The aquifer at the site is the Southeast Louisiana Aquifer System Surficial Confining Unit. Due to the aquifer at the site being different from the drinking water aquifers, there is no possibility of impact to the domestic, public supply, and irrigation wells.

4.0 RISK EVALUATION/CORRECTIVE ACTION PROGRAM EVALUATION RESULTS

4.1 SITE RANKING AND JUSTIFICATION FOR THE RANKING

The RECAP guidelines require that each site be categorized according to the ranking system set forth in the RECAP Guidelines. The purpose of the ranking system is to allow the LDEQ to determine the urgency of remedial actions that may be necessary for a site.

The impacted soils are not in significant quantities. Potential for human contact with the surface soil is minimal. The impacted aquifer does not appear to be hydraulically connected to utilized supply wells. Based on a review of the site data, the site best fits into the criterion of posing a low likelihood of threat to human health and the environment. Therefore, the site has a Site Ranking of 4. A Class 4 ranking demonstrates a no long-term (>2 years) threat to human health, safety or environmental receptors.

4.2 ECOLOGICAL CHECKLIST

The ecological conditions of the subject site and surrounding area were evaluated based on a walking survey of the area and through literature review. The area of impacted soil was determined to be less than one acre in size, and there were no releases or potential for release of COCs from the area of investigation to a surface water body. There were no recreational, commercial, threatened, or endangered species, and their habitats were not impacted or expected to be impacted in the future by constituents of concern from the subject site. Following a thorough investigation, no obvious impacts to ecological receptors or their habitats were observed and no future impacts were expected. Therefore, based on the results of the ecological evaluation, no further ecological assessment was deemed necessary for the subject site. A complete ecological checklist is presented on **RECAP Form 18, Ecological Checklist**, in **Appendix F**.

4.3 CONSTITUENTS OF CONCERN

Constituents detected at the subject site in groundwater and soil included TPH-D fractions and poly-nuclear aromatic hydrocarbons (PAHs). The soil and groundwater samples collected from soil and probe borings and monitoring wells were analyzed in accordance with the LDEQ RECAP Guidance Document.

Chemical properties for the COCs at the subject site were taken from *Table H-2, Chemical and Physical Parameters*, in *Appendix H* of the RECAP guidance document and are included in **Table B-4, Chemical/Physical Properties**, in **Appendix B**, of this report. Based on the oral and inhalation slope factor, COCs can be classified as carcinogens or non-carcinogens. In addition, COCs are also classified as volatile or non-volatile as indicated in *Table H-1, Cancer Slope Factors* and *Reference Doses*, in *Appendix H* of the RECAP guidance document, as shown in **Table B-5, Chemical RECAP Properties**, in **Appendix B**.

4.4 AREA OF INVESTIGATION AND CONCERN

The Area of Concern (AOC) is defined as "an area where constituents have been released to the environment or a waste management unit." The size is determined by all sampling points that exhibited detectable COC concentrations above the RECAP standards. The AOI is defined in the RECAP Guidance Document as "a zone contiguous to and including impacted media defined vertically and horizontally by the presence of one or more constituents in concentrations exceeding the appropriate screening standards."

Five AOIs were identified at the site, based on land use and distribution of COCs with concentrations above the screening standards. AOI No. 1 was identified as industrial soil from 0 to 15 feet BGS. AOI No. 2 was identified as industrial soil greater than 15 feet BGS. AOI No. 3 was identified as groundwater. AOI No. 4 was identified as industrial soil beneath an enclosed structure (BES). AOI No. 5 was identified as groundwater BES. The size is determined by all sampling points that exhibited detectable COC concentrations. The AOIs are shown in **Figure 2, Appendix A**.

The source area is defined as the length (L) and the width (S_w) of soil that is serving or may serve as a source for the transfer of constituents to groundwater. For this site, the source length and width is summarized in **Table 4-1, AOI Source Length and Width**, and illustrated in **Figure 2, Appendix A**.

TABLE 4-1
AOI SOURCE LENGTH AND WIDTH

Area of Investigation	Source Length (ft)	Source Width (ft)	Source Area (sq ft)
AOI No. 1	30	30	900
AOI No. 2	30	30	900
AOI No. 3	30	30	900
AOI No. 4	30	30	900
AOI No. 5	30	30	900

4.5 POINT OF COMPLIANCE

The point of compliance (POC) identified for a site is based on the point at which cleanup standards are enforced. The point at which cleanup standards are enforced is also the point nearest to the source of release and generally where the highest dissolved and adsorbed concentrations are determined. In evaluating exposure/source and historical concentrations for soil and groundwater, the POC was determined for all AOIs. This determination was based on soil boring/monitoring wells exhibiting the highest COC concentration and is shown in **Table 4-2, AOI Point of Compliance**.

TABLE 4-2
AOI POINT OF COMPLIANCE

Area of Investigation	Point of Compliance
AOI No. 1	SB-3
AOI No. 2	SB-1
AOI No. 3	TW-4
AOI No. 4	SB-7
AOI No. 5	MW-1

4.6 POINT OF EXPOSURE

For the aquifer at the subject site, Groundwater-3 aquifer, North Branch Ward Creek was determined as the point of exposure (POE) and is located east of the site.

TABLE 4-3
AOI POINT OF EXPOSURE DISTANCES

Area of Investigation	Point of Compliance	Distance to POE (ft)
AOI No. 1	SB-3	1,300
AOI No. 2	SB-1	1,300
AOI No. 3	TW-4	1,300
AOI No. 4	SB-7	1,300
AOI No. 5	MW-1	1,300

4.7 DILUTION FACTORS

Where applicable, the groundwater and soil RECAP standards for each COC were adjusted by applying a dilution factor for Groundwater-3 and Soil Protective of Groundwater-3 (DF3), Groundwater-2 and Soil Protective of Groundwater-2 (DF2) to account for the natural dilution of constituent concentrations from the POC to the POE. The dilution factors were determined using the Domenico Model. Distances from the POC to the POE as well as dilution factors are shown in **Table 4-4, Dilution Factors**.

TABLE 4-4
DILUTION FACTORS

Area of Investigation	Distance from POC to Nearest Downgradient Surface Water Body (ft)	DF3	Management Option
AOI No. 1	1,300	--	Screening
AOI No. 2	1,300	248	MO1
AOI No. 3	1,300	248	MO1
AOI No. 4	1,300	1,902	MO2
AOI No. 5	1,300	1,902	MO2

4.8 CONCEPTUAL SITE MODEL

Exposure pathways for the subject site are outlined in **Figure 7, Conceptual Site Model**, in **Appendix A.**

4.8.1 Sources

The source of the release occurred in the UST pit area, which is identified as the primary source for this conceptual site model. The secondary sources consist of soil and groundwater. Air exists as a tertiary source at the site.

4.8.2 Migration Pathways

Migration pathways for the COCs consisted of volatilization of the volatile organic compounds (VOCs) into the ambient air, infiltration of rainwater through the soil, infiltration of groundwater through the saturated region, and direct contact with soil and groundwater.

4.8.3 Source Media

For this site, the source media consisted of soil and groundwater. There exists no potential for impact to sediment.

4.8.4 Exposure Media

For this site, air, soil, and groundwater were considered exposure media. Because groundwater does not appear to be impacting surface water, then surface water sediment and biota were not considered an exposure media. Because of the depth of impacted soil (> 2 ft), there exists no possibility of impact to the environment or a potential receptor via fugitive dust.

4.8.5 Exposure Points

For this site the exposure points were determined to be ambient air and direct contact. Since area surface water bodies do not appear to have potential to be impacted by the source, then surface water and biota uptake was not considered in this RECAP evaluation.

4.8.6 Exposure Pathways

Impacted soil at the subject site is between 11 and 24 feet BGS. RECAP guidelines take into consideration that soil could be excavated up to 15 feet BGS. Therefore, inhalation of volatile emissions, ingestion, and dermal contact are considered potential exposure pathways for impacted soil.

Groundwater is also impacted at the subject site. Due to the depth of the impacted groundwater (12 feet BGS) and the use of the aquifer, dermal contact and ingestion is considered a potential exposure pathway. In addition, inhalation of volatile emissions via groundwater must be considered in this evaluation because groundwater is less than 15.0 feet BGS. Therefore, inhalation of volatile emissions from groundwater to ambient air is also considered a potential exposure pathway for impacted groundwater.

Because enclosed structures exists at the site, and are located down gradient of the POC, inhalation of volatile emissions via impacted soil and groundwater is considered a potential exposure pathway at the subject site.

4.8.7 Receptors

Potential human receptors considered for this evaluation were on-site workers, adults, and children. It is estimated that an on-site worker would have the highest estimated risk from exposure to emissions from the subject site. A customer or trespasser could be considered as potential receptors; however, the duration of the exposure for these receptors would be minimal. Therefore, for the subject site, on-site workers are the only human receptors considered.

4.9 SCREENING OF CONSTITUENTS

RECAP allows the screening of COCs for each AOI utilizing Screening Standards and Management Option 1 (MO1) standards if the criteria for each management option are met. Therefore, PPM conducted a screening of COCs in accordance with the October 20, 2003, RECAP Guidance Document.

4.9.1 AOI No. 1 – Industrial Soil 0-15 Feet BGS

4.9.1.1 Screening Option

A screening assessment was conducted for AOI No. 1 to determine which constituents present at the AOI would be considered COCs. The highest concentration for each constituent was compared to soil screening standards for each constituent. The highest soil concentrations for all constituents were below the Soil Screening Standard, as shown in **Table 4-5, Soil Screening Standards for AOI No. 1**. Screening standards for soil are also presented on **RECAP Form 10A, Screening Option Submittal for Soil**, in **Appendix F**.

TABLE 4-5
SOIL SCREENING STANDARDS FOR AOI NO. 1

Constituents of Concern	Soil Screening Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aliphatics C10-C12	1,955[1]	6.7	SB-3
Aliphatics C12-C16	3,772[1]	35	SB-3
Aliphatics C16-C35	10,000[1]	39	SB-3
Aromatics C10-C12	102[2]	<1.7	SB-3
Aromatics C12-C16	203[2]	7.7	SB-3
Aromatics C16-C21	1,746[1]	14	SB-3
Aromatics C21-C35	2,518[1]	<10	SB-3

[1] *RECAP standards based on Industrial Soil*
[2] *RECAP standards based on Soil Protective of Groundwater*

4.9.2 AOI No. 2 – Industrial Soil >15 Feet BGS

4.9.2.1 Screening Option

A screening assessment was conducted for AOI No. 2 to determine which constituents present at the AOI would be considered COCs. The highest concentration for each constituent was compared to soil screening standards for each constituent. The highest soil concentration for aromatics C12-C16 was above the Soil Screening Standard. Therefore, aromatics C12-C16 is the only COC for soil. COC concentrations that exceeded the screening standards are highlighted and presented in **Table 4-6, Soil Screening Standards for AOI No. 2**. Screening standards for soil are also presented on **RECAP Form 10B, Screening Option Submittal for Soil**, in **Appendix F**.

TABLE 4-6
SOIL SCREENING STANDARDS FOR AOI NO. 2

Constituents of Concern	Soil Screening Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aliphatics >C10-C12	1,955[1]	380	SB-1
Aliphatics >C12-C16	3,772[1]	1,300	SB-1
Aliphatics >C16-C35	10,000[1]	1,300	SB-1
Aromatics >C10-C12	102[2]	7.8	SB-1
Aromatics >C12-C16	203[2]	240	SB-1
Aromatics >C16-C21	1,746[1]	460	SB-1
Aromatics >C21-C35	2,518[1]	80	SB-1
Acenaphthene	215[2]	<0.033	SB-6 and SB-7
Acenaphthylene	88[2]	<0.033	SB-6 and SB-7
Anthracene	121[2]	<0.033	SB-6 and SB-7
Benz(a)anthracene	2.9[1]	<0.033	SB-6 and SB-7
Benzo(a)pyrene	0.33[1]	<0.033	SB-6 and SB-7
Benzo(b)fluoranthene	2.9[1]	<0.033	SB-6 and SB-7
Benzo(k)fluoranthene	29[1]	<0.033	SB-6 and SB-7
Chrysene	76[2]	<0.033	SB-6 and SB-7
Dibenz(a,h)anthracene	0.33[1]	<0.033	SB-6 and SB-7
Fluoranthene	1,213[2]	<0.033	SB-6 and SB-7
Fluorene	226[2]	<0.033	SB-6 and SB-7
Indeno(1,2,3-cd)pyrene	2.9[1]	<0.033	SB-6 and SB-7
Methylnaphthalene,2-	1.7[2]	<0.033	SB-6 and SB-7
Naphthalene	1.5[2]	<0.033	SB-6 and SB-7
Phenanthrene	665[2]	<0.033	SB-6 and SB-7
Pyrene	1,101[2]	<0.033	SB-6 and SB-7

[1] *RECAP standards based on Industrial Soil*
[2] *RECAP standards based on Soil Protective of Groundwater*

4.9.2.2 Management Option No. 1

The highest concentration for each constituent was compared to the MO1 RECAP standards developed for soil, as shown in **Table 4-7, Soil MO1 Standards for AOI No. 2**. All of the highest soil concentrations were below Soil Standards, as shown in **Table 4-7**. MO1 standards for soil are also presented on **RECAP Form 12, Management Option 1 Submittal for Soil**, in **Appendix F**.

TABLE 4-7
SOIL MO1 STANDARDS FOR AOI NO. 2

Constituents of Concern	Soil MO1 Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aromatics C12-C16	10,000[1]	240	SB-1

[1] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.*

4.9.3 AOI No. 3 – Groundwater

4.9.3.1 Screening Option

A screening assessment was conducted for AOI No. 3 to determine which constituents present at the AOI would be considered COCs. The highest concentration for each constituent was compared to groundwater screening standards for each constituent. The highest groundwater concentrations for aliphatics C10-C12, aliphatics C12-C16, aromatics C12-C16, aromatics C16-C21, and aromatics C21-C35 were above its Groundwater Screening Standard. Therefore, these constituents are considered COCs for groundwater. COC concentrations that exceeded the screening standards are highlighted and presented in **Table 4-8, Groundwater Screening Standards for AOI No. 3**. Screening standards for groundwater are also presented on **RECAP Form 15, Screening Option Submittal for Groundwater**, in **Appendix F**.

TABLE 4-8
GROUNDWATER SCREENING STANDARDS FOR AOI NO. 3

Constituents of Concern	Groundwater Screening Standard (mg/L)	Area of Investigation Groundwater Concentration (mg/L)	Point of Highest Concentration
Aliphatics C10-C12	0.15[1]	0.19	TW-4
Aliphatics C12-C16	0.15[1]	0.24	TW-4
Aliphatics C16-C35	7.3[1]	0.35	TW-4
Aromatics C10-C12	0.15[1]	<0.1	TW-4
Aromatics C12-C16	0.15[1]	0.29	TW-4
Aromatics C16-C21	0.15[1]	0.18	TW-4
Aromatics C21-C35	0.15[1]	0.26	TW-4

[1] *RECAP standards based on Groundwater Screening Standards.*

4.9.3.2 Management Option No. 1

The highest concentration for each constituent was compared to the MO1 RECAP standards developed for groundwater, as shown in **Table 4-9, Groundwater MO1 Standards for AOI No. 3**. The highest groundwater concentrations for all constituents were below the Groundwater Standard, as shown in **Table 4-9**. MO1 standards for groundwater are also presented on **RECAP Form 16, Management Option 1 Submittal for Groundwater**, in **Appendix F**.

TABLE 4-9
GROUNDWATER MO1 STANDARDS FOR AOI NO. 3

Constituents of Concern	Groundwater MO1 Standard (mg/L)	Area of Investigation Groundwater Concentration (mg/L)	Point of Highest Concentration
Aliphatics C10-C12	698[1]	0.19	TW-4
Aliphatics C12-C16	165[1]	0.24	TW-4
Aromatics C12-C16	3,045[2]	0.29	TW-4
Aromatics C16-C21	3,045[2]	0.18	TW-4
Aromatics C21-C35	3,045[2]	0.26	TW-4

[1] *RECAP standards based on Groundwater to Ambient Air.*
[2] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.*

4.9.4 AOI No. 4 – Industrial Soil BES

4.9.4.1 Screening Option

A screening assessment was not conducted for AOI No. 4 due to the presence of soil beneath an enclosed structure. Therefore, all constituents are considered COCs for soil in AOI No. 4.

4.9.4.2 Management Option No. 1

The highest concentration for each constituent was compared to the MO1 RECAP standards developed for soil, as shown in **Table 4-10, Soil MO1 Standards for AOI No. 4**. All of the highest soil concentrations were below the Soil Standards, as shown below in **Table 4-10**. MO1 standards for soil are also presented on **RECAP Form 11, Management Option 1 Submittal for Soil**, in **Appendix F**.

TABLE 4-10
SOIL MO1 STANDARDS FOR AOI NO. 4

Constituents of Concern	Soil MO1 Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aliphatics >C10-C12	1,428[1]	1,300[5]	SB-7
Aliphatics >C12-C16	1,428[1]	1,300[5]	SB-7
Aliphatics >C16-C35	1,428[1]	1,300[5]	SB-7
Aromatics >C10-C12	1,428[1]	1,300[5]	SB-7
Aromatics >C12-C16	1,428[1]	1,300[5]	SB-7
Aromatics >C16-C21	1,428[1]	1,300[5]	SB-7
Aromatics >C21-C35	1,428[1]	1,300[5]	SB-7
Acenaphthene	15,311[2]	<0.033	SB-6 and SB-7
Acenaphthylene	46,135[3]	<0.033	SB-6 and SB-7
Anthracene	30,068[3]	<0.033	SB-6 and SB-7
Benz(a)anthracene	2.9[2]	<0.033	SB-6 and SB-7
Benzo(a)pyrene	0.33[2]	<0.033	SB-6 and SB-7
Benzo(b)fluoranthene	2.9[2]	<0.033	SB-6 and SB-7
Benzo(k)fluoranthene	29[2]	<0.033	SB-6 and SB-7
Chrysene	286[2]	0.037	SB-6
Dibenz(a,h)anthracene	0.33[2]	<0.033	SB-6 and SB-7
Fluoranthene	7,213[2]	0.11	SB-7
Fluorene	17,832[3]	0.88	SB-7
Indeno(1,2,3-cd)pyrene	2.9[2]	<0.033	SB-6 and SB-7
Methylnaphthalene,2-	551[2]	7.3	SB-7
Naphthalene	54[4]	1.4	SB-7
Phenanthrene	29,480[3]	2.5	SB-7
Pyrene	18,689[2]	0.44	SB-7

[1] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics*
[2] *RECAP standards based on Industrial Soil*
[3] *RECAP standards based on Soil Protective of Groundwater-3 Non-Drinking Water*
[4] *RECAP standards based on Industrial Soil Beneath an Enclosed Structure*
[5] *Concentration based on highest TPH-D concentration*

4.9.5 AOI No. 5 – Groundwater BES

4.9.5.1 Screening Option

A screening assessment was not conducted for AOI No. 3 due to the presence of free product in monitoring wells TW-7 and MW-1. Therefore, all constituents are considered COCs for groundwater in AOI No. 5.

4.9.5.2 Management Option No. 1

A screening assessment was not conducted for AOI No. 3 due to the presence of free product in monitoring wells TW-7 and MW-1. Therefore, all constituents are considered COCs for groundwater in AOI No. 5.

4.10 SELECTED MANAGEMENT OPTION

Parameters used to evaluate the site and calculations of the RECAP standards are provided in **Appendix G, RECAP Calculations.**

4.10.1 Groundwater RECAP Standards

Subsequent to the screening of COCs as discussed in **Section 4.9**, COCs for groundwater in AOI No. 5 consist of aliphatics C10-C12, aliphatics C12-C16, aliphatics C16-C35, aromatics C10-C12, aromatics C12-C16, aromatics C16-C21, aromatics C21-C35, acenaphthene, acenaphthylene, anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene. The highest groundwater concentrations for all constituents in AOI No. 3 were below their respective Groundwater Screening and/or MO1 Standard.

4.10.1.1 Groundwater Standards

The groundwater RECAP standards were developed utilizing calculations found in *Appendix I* under MO2 of the RECAP guidance document. Acceptable exposure concentrations were based on the groundwater classification of the aquifer impacted. The groundwater RECAP Standards developed utilizing *Appendix I* of the RECAP guidance document take into account exposure to COCs via ingestion of groundwater, dermal contact with groundwater, and inhalation of volatile emissions from groundwater during household use.

The RECAP standards identified for Groundwater-3 Non-Drinking Water were compared to their respective RECAP standards identified for Groundwater-2. If Groundwater-3 RECAP standards are calculated to be more conservative than Groundwater-2 RECAP standards, the Groundwater-2 RECAP standards may be used. The Groundwater-2 RECAP standards were adjusted by applying a dilution factor for Groundwater-2 (DF2) based on the nearest downgradient property boundary from the POC. If the

Groundwater-2 RECAP standards are calculated to be more conservative than Groundwater-1 RECAP standards, the Groundwater-1 RECAP standards may be used. The groundwater standards for each COC identified for Groundwater-3, as well as dilution factors and Groundwater RECAP Standards for each COC, are presented on **RECAP Form 17, Management Option 2 Submittal for Groundwater**, in **Appendix F**.

4.10.1.2 Groundwater Emissions to Ambient Air

Inhalation of volatile emissions from impacted groundwater located less than 15.0 feet BGS is a potential exposure pathway considered in this evaluation; therefore, MO2 calculations provided in *Appendix H* of the RECAP guidance document were used to evaluate this medium.

4.10.1.3 Groundwater Beneath an Enclosed Structure

Inhalation of volatile emissions from impacted groundwater located beneath an enclosed structure is a potential exposure pathway considered in this evaluation; therefore, MO2 calculations provided in *Appendix H* of the RECAP guidance document were used to evaluate this medium.

4.10.1.4 Additivity

Groundwater at the subject site is impacted with non-carcinogenic COCs that elicit multiple effects on the same target organ/system. Due to the groundwater classification of the impacted aquifer (Groundwater-3), additivity was not considered for the standards developed for the Groundwater-3 classifications. However, standards for Groundwater-1 and Groundwater-2 classifications must account for non-carcinogenic COCs that elicit multiple effects on the same target organ/system; therefore, additivity was applied in order to develop these standards.

Method 1 was utilized to adjust for additivity by considering the number of non-carcinogenic COCs affecting the same target organ/system (e.g., the hematological system was affected by two COCs (aliphatics C10-C16 and fluorene) found in the groundwater in AOI No. 5; however, aliphatics C10-C16 also affects the liver along with three other constituents; therefore, the groundwater standards for aliphatics C10-C16 were divided by four in order to provide a more conservative value to account for the additive effect upon the liver). A summary of the additivity values at the AOI is presented in **Table B-7, Additivity**, in **Appendix B**. The COCs affecting each target organ/systems were

identified through the use of the *Integrated Risk Information System* (IRIS) database. An IRIS report was not available for TPH-D. The target organ/systems affected by this COC were identified utilizing *Table D-3, TPH Fraction Specific Chronic Reference Doses*, in *Appendix D* of the RECAP guidance document. The critical effects of the carbon subfractions for TPH-D were used to identify the target organ/systems affected by TPH-D. Groundwater Standards adjusted for additive effects are presented on **RECAP Form 17, Appendix F**.

4.10.1.5 Limiting Groundwater RECAP Standard

The Limiting RECAP Standard for each COC in groundwater was identified by selecting the higher adjusted groundwater values for Groundwater-3, Groundwater-2, and Groundwater-1. Next, each RECAP standard was compared to the constituent's water solubility value and the lower of the two values was chosen as the limiting RECAP standard. If the limiting RECAP standard is less than the appropriate quantitation limit, then the quantitation limit shall be identified as the limiting RECAP standard. The Limiting RECAP Standards are displayed on **RECAP Form 17, Appendix F**.

4.10.1.6 Hazard Index

The Hazard Index was not calculated for groundwater in AOI No. 3 due to all constituents being below their applicable RECAP Standard. The Hazard Index was not calculated for groundwater in AOI No. 5 due to the presence of free product (diesel) in monitoring wells TW-1 and MW-1.

4.10.2 Soil RECAP Standards

Subsequent to the screening of COCs as discussed in **Section 4.9**, COCs for soil in AOI No. 4 consist of aliphatics C10-C12, aliphatics C12-C16, and aromatics C10-C12. The highest historical soil concentrations for all other constituents were below their respective Soil MO1 Standard. The highest historical soil concentrations for all constituents in AOI No. 1 and AOI No. 2 were below their applicable Screening and/or MO1 Standard.

4.10.2.1 Industrial Soil

Soil standards for an industrial setting were determined for each COC impacting soil at the site. These standards were determined utilizing calculations found in *Appendix I* of the

RECAP Guidelines. Industrial soil standards are presented on **RECAP Form 11, Appendix F**.

4.10.2.2 Additivity

Soil at the subject site is impacted with non-carcinogenic COCs that elicit multiple effects on the same target organ/system; therefore, additivity is applied, where applicable, to adjust for the multiple effects (e.g., (e.g., the hematological system was affected by two COCs (aliphatics C10-C16 and fluorene) found in soil in AOI No. 4; however, aliphatics C10-C16 also affects the liver along with three other constituents; therefore, the groundwater standards for aliphatics C10-C16 were divided by four in order to provide a more conservative value to account for the additive effect upon the liver). A summary of the additivity values at the AOI is presented in **Table B-7, Appendix B**. The COCs affecting each target organ/systems were identified through the use of the IRIS database. An IRIS report was not available for TPH-D. The target organ/systems affected by this COC were identified utilizing Table D-3, TPH Fraction Specific Chronic Reference Doses, in Appendix D of the RECAP guidance document. The critical effects of the carbon subfractions for TPH-D were used to identify the target organ/systems affected by TPH-D. Soil Standards adjusted for additive effects are presented on **RECAP Form 11, Appendix F**.

4.10.2.3 Soil Protective of Groundwater

Soil standards protective of Groundwater-3 were adjusted for dilution and compared to soil standards protective of Groundwater-2 for each COC. If the soil standard protective of Groundwater-2 is larger than the soil standard protective of Groundwater-3, then the soil standard protective of Groundwater-2 was compared to the soil standard protective of Groundwater-1. The higher standard of the soil comparisons was identified as the soil standard protective of groundwater. The soil standards protective of groundwater and dilution factors are presented on **RECAP Form 11, Appendix F**.

There are three ways to calculate the RECAP Standards for Soil Protective of Groundwater:

- Method 1: Soil/Water Partition Coefficient for Organic COCs and Toxicity Characteristic Leaching Procedure (TCLP) for Inorganic COCs.
- Method 2: Synthetic Precipitation Leaching Procedure (SPLP) for Organic and Inorganic COCs.

- Method 3: Site-Specific Soil/Water Partition Coefficient for Organic and Inorganic COCs.

For this site, Method 1 was utilized to determine the soil protective of groundwater RECAP standards, and is presented on **RECAP Form 11, Appendix F**. The calculations are provided in **Appendix G**.

For Method 1, according to RECAP page H-88, the soil/water partition equation shall be used to relate the constituent concentration adsorbed to the soil organic carbon to the soil leachate concentration in the zone of contamination. According to page H-89, for inorganic COCs, the $Soil_{GW}$ shall be derived from the TCLP regulatory levels. TCLP regulatory levels represent maximum constituents concentrations in leachate that comply with the health-based criteria specified by the Safe Drinking Water Act for an assumed drinking water well downgradient of the source. To determine the $Soil_{GW}$ from the TCLP regulatory level the TCLP regulatory level shall be multiplied by a factor of 20 to back-calculate to the corresponding "acceptable" concentration in soil. If a TCLP regulatory level is not available, the $Soil_{GW}$ shall be estimated by multiplying the GW_1 by a dilution factor of 100 and then by a factor of 20.

4.10.2.4 Soil Beneath an Enclosed Structure Standard

Inhalation of volatile emissions from impacted soil located beneath an enclosed structure is a potential exposure pathway considered in this evaluation.

4.10.2.5 Limiting Soil RECAP Standard

The Limiting Soil RECAP Standard for each COC in soil was identified by comparing the Industrial Soil Standard adjusted for additivity, the Soil RECAP Standard Protective of Groundwater, and the Soil Saturation limit. The lower of these two values was then defined as the Limiting RECAP Standard for Industrial Soil. If the limiting RECAP standard is less than the appropriate quantitation limit, then the quantitation limit shall be identified as the limiting RECAP standard. The Limiting RECAP Standard is displayed on **RECAP Form 11, Appendix F**.

4.10.2.6 Hazard Index

A total hazard index may be calculated to demonstrate that the total hazard index for a given critical effect or target organ/system is less than or equal to 1.0:

$$Hazard\ Index = [(EC_1/RS_1) + (EC_2/RS_2) + \ldots + (EC_i/RS_i)$$

where,

EC_i = exposure concentration for the ith COC
RS_i = limiting RECAP Standard for the ith constituent prior to adjusting for additivity

If the Hazard Index for a critical effect or target organ/system is greater than 1.0 under MO2, then the AOI shall be evaluated further under MO3 or remediated to MO2 RECAP Standards that have been adjusted to account for additive health effects; otherwise, the COC concentrations exhibited at the AOI are protective of human health and the environment.

The Hazard Index was not calculated for soil in AOI No. 1, AOI No. 2, and AOI No. 4 due to all constituents being below their applicable RECAP Standard.

5.0 SUMMARY OF RECAP FINDINGS

PPM has completed the RECAP evaluation at Louisiana Retirement Systems Building Partnership in Baton Rouge, East Baton Rouge Parish, Louisiana, in accordance with the LDEQ RECAP Guidance Document.

5.1 AOI NO. 1 – INDUSTRIAL SOIL 0-15 FEET BGS

The highest soil concentrations for AOI No. 1 were compared to their Soil Screening Standards. Results of the comparison indicated that all COC concentrations were below the Soil Screening Standards, as shown in **Table 5-1, Screening Standards for AOI No. 1**, and presented on **RECAP Form 10A, Screening Option Submittal for Soil**, in **Appendix F**.

TABLE 5-1
SCREENING STANDARDS FOR AOI NO. 1

Constituents of Concern	Soil Screening Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aliphatics C10-C12	1,955[1]	6.7	SB-3
Aliphatics C12-C16	3,772[1]	35	SB-3
Aliphatics C16-C35	10,000[1]	39	SB-3
Aromatics C10-C12	102[2]	<1.7	SB-3
Aromatics C12-C16	203[2]	7.7	SB-3
Aromatics C16-C21	1,746[1]	14	SB-3
Aromatics C21-C35	2,518[1]	<10	SB-3

[1] *RECAP standards based on Industrial Soil*
[2] *RECAP standards based on Soil Protective of Groundwater*

5.2 AOI NO. 2 – INDUSTRIAL SOIL >15 FEET BGS

The highest soil concentrations for AOI No. 2 were compared to their Soil MO1 Standards. Results of the comparison indicated that all COC concentrations were below the Soil RECAP Standards, as shown in **Table 5-2, MO1 Standards for AOI No. 2**, and presented on **RECAP Form 12, Management Option 1 Submittal for Soil**, in **Appendix F**.

TABLE 5-2
MO1 STANDARDS FOR AOI NO. 2

Constituents of Concern	Soil MO1 Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aromatics C12-C16	10,000[1]	240	SB-1

[1] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.*

5.3 AOI NO. 3 – GROUNDWATER

The highest groundwater concentrations for AOI No. 3 were compared to their Groundwater RECAP Standards. Results of the comparison indicated that all COC concentrations were below the Groundwater RECAP Standards, as shown in **Table 5-3, MO1 Standards for AOI No. 3**, and presented on **RECAP Form 16, Management Option 1 Submittal for Groundwater**, in **Appendix F**.

TABLE 5-3
MO1 STANDARDS FOR AOI NO. 3

Constituents of Concern	Groundwater MO1 Standard (mg/L)	Area of Investigation Groundwater Concentration (mg/L)	Point of Highest Concentration
Aliphatics C10-C12	698[1]	0.19	TW-4
Aliphatics C12-C16	165[1]	0.24	TW-4
Aromatics C12-C16	3,045[2]	0.29	TW-4
Aromatics C16-C21	3,045[2]	0.18	TW-4
Aromatics C21-C35	3,045[2]	0.26	TW-4

[1] *RECAP standards based on Groundwater to Ambient Air.*
[2] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.*

5.4 AOI NO. 4 – INDUSTRIAL SOIL BES

The highest soil concentrations for AOI No. 4 were compared to their Soil MO1 Standards. Results of the comparison indicated that all constituents were below the Soil MO1 Standards, as shown in **Table 5-4, MO1 Standards for AOI No. 4**, and presented on **RECAP Form 11, Management Option 1 Submittal for Soil**, in **Appendix F**.

TABLE 5-4
MO1 STANDARDS FOR AOI NO. 4

Constituents of Concern	Soil MO1 Standard (mg/kg)	Area of Investigation Soil Concentration (mg/kg)	Point of Highest Concentration
Aliphatics >C10-C12	1,428[1]	1,300[5]	SB-7
Aliphatics >C12-C16	1,428[1]	1,300[5]	SB-7
Aliphatics >C16-C35	1,428[1]	1,300[5]	SB-7
Aromatics >C10-C12	1,428[1]	1,300[5]	SB-7
Aromatics >C12-C16	1,428[1]	1,300[5]	SB-7
Aromatics >C16-C21	1,428[1]	1,300[5]	SB-7
Aromatics >C21-C35	1,428[1]	1,300[5]	SB-7
Acenaphthene	15,311[2]	<0.033	SB-6 and SB-7
Acenaphthylene	46,135[3]	<0.033	SB-6 and SB-7
Anthracene	30,068[3]	<0.033	SB-6 and SB-7
Benz(a)anthracene	2.9[2]	<0.033	SB-6 and SB-7
Benzo(a)pyrene	0.33[2]	<0.033	SB-6 and SB-7
Benzo(b)fluoranthene	2.9[2]	<0.033	SB-6 and SB-7
Benzo(k)fluoranthene	29[2]	<0.033	SB-6 and SB-7
Chrysene	286[2]	0.037	SB-6
Dibenz(a,h)anthracene	0.33[2]	<0.033	SB-6 and SB-7
Fluoranthene	7,213[2]	0.11	SB-7
Fluorene	17,832[3]	0.88	SB-7
Indeno(1,2,3-cd)pyrene	2.9[2]	<0.033	SB-6 and SB-7
Methylnaphthalene,2-	551[2]	7.3	SB-7
Naphthalene	54[4]	1.4	SB-7
Phenanthrene	29,480[3]	2.5	SB-7
Pyrene	18,689[2]	0.44	SB-7

[1] Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics
[2] RECAP standards based on Industrial Soil
[3] RECAP standards based on Soil Protective of Groundwater-3 Non-Drinking Water
[4] RECAP standards based on Industrial Soil Beneath an Enclosed Structure
[5] Concentration based on highest TPH-D concentration

5.5 AOI NO. 5 – GROUNDWATER BES

The highest groundwater concentrations for AOI No. 5 were compared to their Groundwater RECAP Standards. Results of the comparison indicated that all COC concentrations exceeded the Groundwater RECAP Standards, as shown in **Table 5-5, MO2 Standards for AOI No. 5**, and presented on **RECAP Form 17, Management Option 2 Submittal for Groundwater**, in **Appendix F**.

TABLE 5-5
MO2 STANDARDS FOR AOI NO. 5

Constituents of Concern	Groundwater MO2 Standard (mg/L)	Area of Investigation Groundwater Concentration (mg/L)	Point of Highest Concentration
Aliphatics >C10-C12	349[1]	FP	TW-7 and MW-1
Aliphatics >C12-C16	82[1]	FP	TW-7 and MW-1
Aliphatics >C16-C35	1,913[2]	FP	TW-7 and MW-1
Aromatics >C10-C12	1,913[2]	FP	TW-7 and MW-1
Aromatics >C12-C16	1,913[2]	FP	TW-7 and MW-1
Aromatics >C16-C21	1,913[2]	FP	TW-7 and MW-1
Aromatics >C21-C35	1,913[2]	FP	TW-7 and MW-1
Acenaphthene	4.2[3]	FP	TW-7 and MW-1
Acenaphthylene	16[3]	FP	TW-7 and MW-1
Anthracene	0.043[3]	FP	TW-7 and MW-1
Benz(a)anthracene	0.0078[4]	FP	TW-7 and MW-1
Benzo(a)pyrene	0.0016[3]	FP	TW-7 and MW-1
Benzo(b)fluoranthene	0.0048[4]	FP	TW-7 and MW-1
Benzo(k)fluoranthene	0.0025[4]	FP	TW-7 and MW-1
Chrysene	0.0016[3]	FP	TW-7 and MW-1
Dibenz(a,h)anthracene	0.0025[4]	FP	TW-7 and MW-1
Fluoranthene	0.21[3]	FP	TW-7 and MW-1
Fluorene	2[3]	FP	TW-7 and MW-1
Indeno(1,2,3-cd)pyrene	0.0037[4]	FP	TW-7 and MW-1
Methylnaphthalene,2-	25[3]	FP	TW-7 and MW-1
Naphthalene	12[1]	FP	TW-7 and MW-1
Phenanthrene	1.2[3]	FP	TW-7 and MW-1
Pyrene	0.14[3]	FP	TW-7 and MW-1

[1] *RECAP standards based on Groundwater to Ambient Air*
[2] *Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics*
[3] *RECAP standards based on Water Solubility*
[4] *RECAP standards based on Quantitation Limits*

6.0 RECOMMENDATIONS

The RECAP Standards developed for this site indicate that COCs impacting site soil and groundwater at AOI Nos. 1, 2, 3, and 4 are within acceptable ranges for protection of human health and the environment. However, COCs impacting site groundwater at AOI No. 5 are not within acceptable ranges for protection of human health and the environment. Therefore, PPM recommends the following:

- Standards developed in this report shall be designated as the target remediation levels for impacted site soil and groundwater and that remedial actions shall be conducted to reach these levels.
- Conduct quarterly groundwater monitoring at the site to monitor the migration of petroleum hydrocarbon in the subsurface.
- Preparation of a Corrective Action Plan (CAP) which outlines the remediation of petroleum hydrocarbon impacted soil and groundwater. COCs exceeding the proposed RECAP Standards are shown in **Table B-8, RECAP Summary Table**.
- AOI Nos. 1, 2, 3, and 4 are within the RECAP Standards for soil and groundwater, and should be granted no further action.

7.0 REFERENCES

Baton Rouge East, Louisiana Quadrangle Map, United States Geological Survey (USGS), 1992.

Integrated Risk Information System (IRIS), http://www.epa.gov/ngispgm3/iris/index.html.

Louisiana Geological Survey, 1989, Geologic Map of Louisiana.

Mercer, J.W., Thomas, S.D., and Ross, B., 1982, *Parameters and Variables Appearing in Repository Siting Models*, Division of Waste Management, Office of Nuclear Material Safety and Safeguards: U.S. Nuclear Regulatory Commission, p. 15.

Risk Evaluation/Corrective Action Program (RECAP) Guidance Document, Louisiana Department of Environmental Quality, October 20, 2003.

Site Assessment Guidance Document, Louisiana Department of Environmental Quality - Underground Storage Tank Division, Revised December 3, 1993.

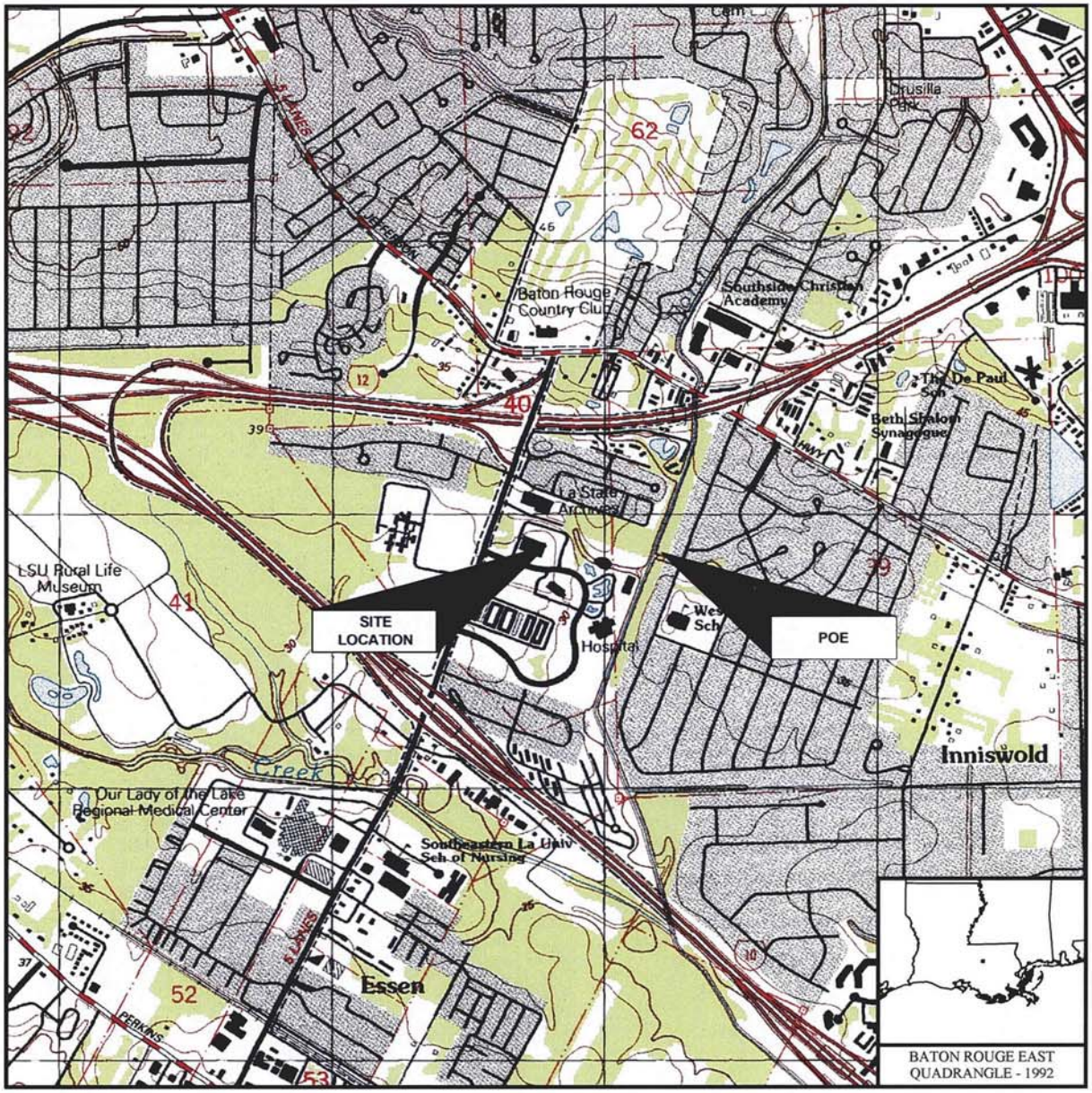
Smoot, C.W. and R.C. Seanor, 1991, *Water Resources Investigation Report No. 904183*, United States Department of Interior, U.S. Geological Survey and the Louisiana Department of Transportation and Development.

Soil Survey of East Baton Rouge Parish, Louisiana, United States Department of Agriculture, Natural Resources Conservation Service, 1968.

Technical Sampling and Analysis Plan and Quality Assurance/Quality Control Plan, PPM Consultants, Inc., 1999.

APPENDICES

APPENDIX A – FIGURES



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PPM CONSULTANTS, INC. www.ppmco.com		BEAU BOX PROPERTY MANAGEMENT **LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP** 8401 UNITED PLAZA BOULEVARD BATON ROUGE, LOUISIANA	SITE LOCATION MAP	FIGURE NUMBER 1
DRAWN BY: JCP	DRAWN DATE: 05/22/15			
PROJECT NUMBER: 503124	BILLING GROUP: RECAP			

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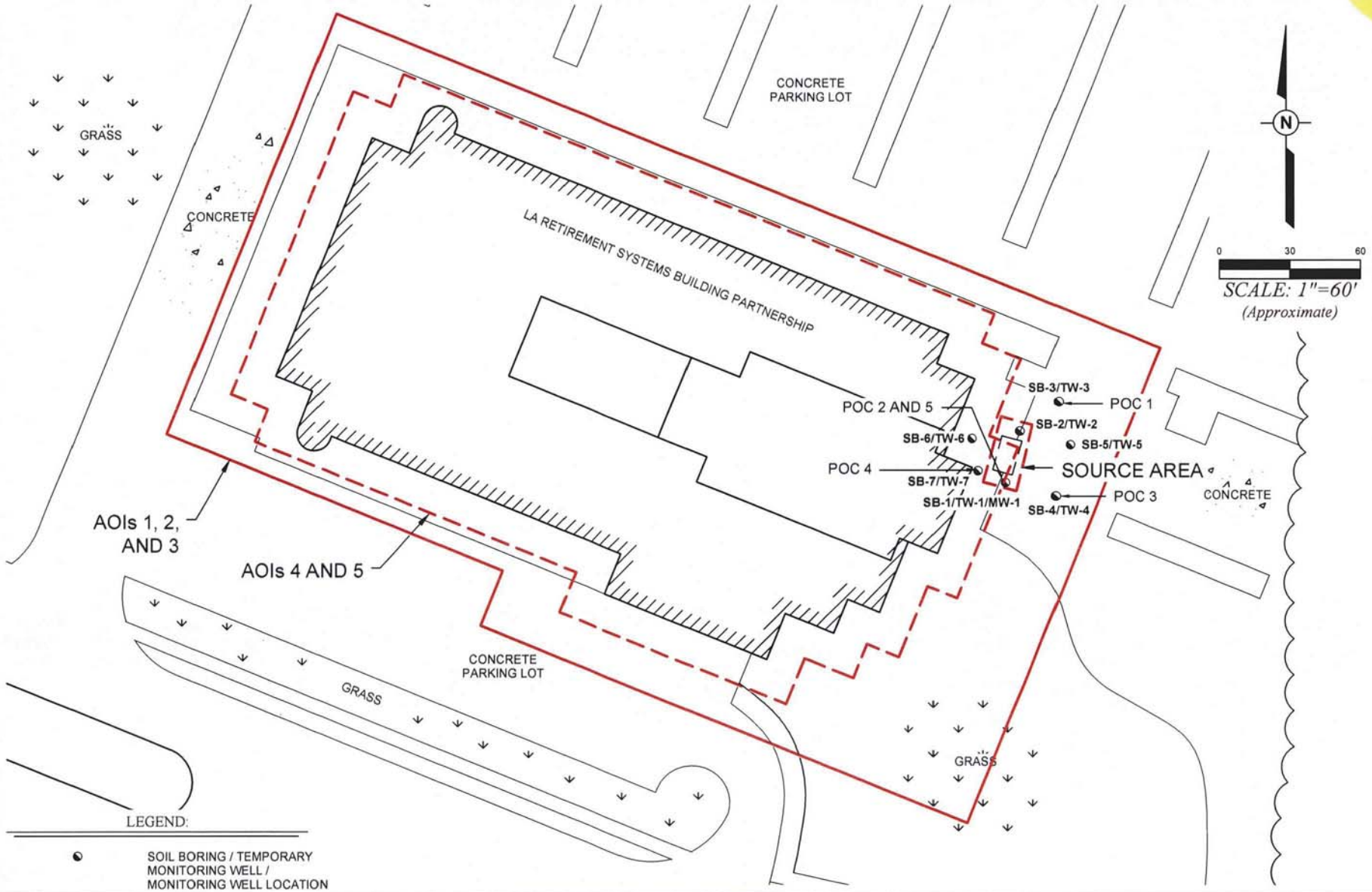

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DRAWN BY: JCP	DRAWN DATE: 05/22/15		FIGURE NUMBER 2
PROJECT NUMBER: 503124	BILLING GROUP: RECAP		

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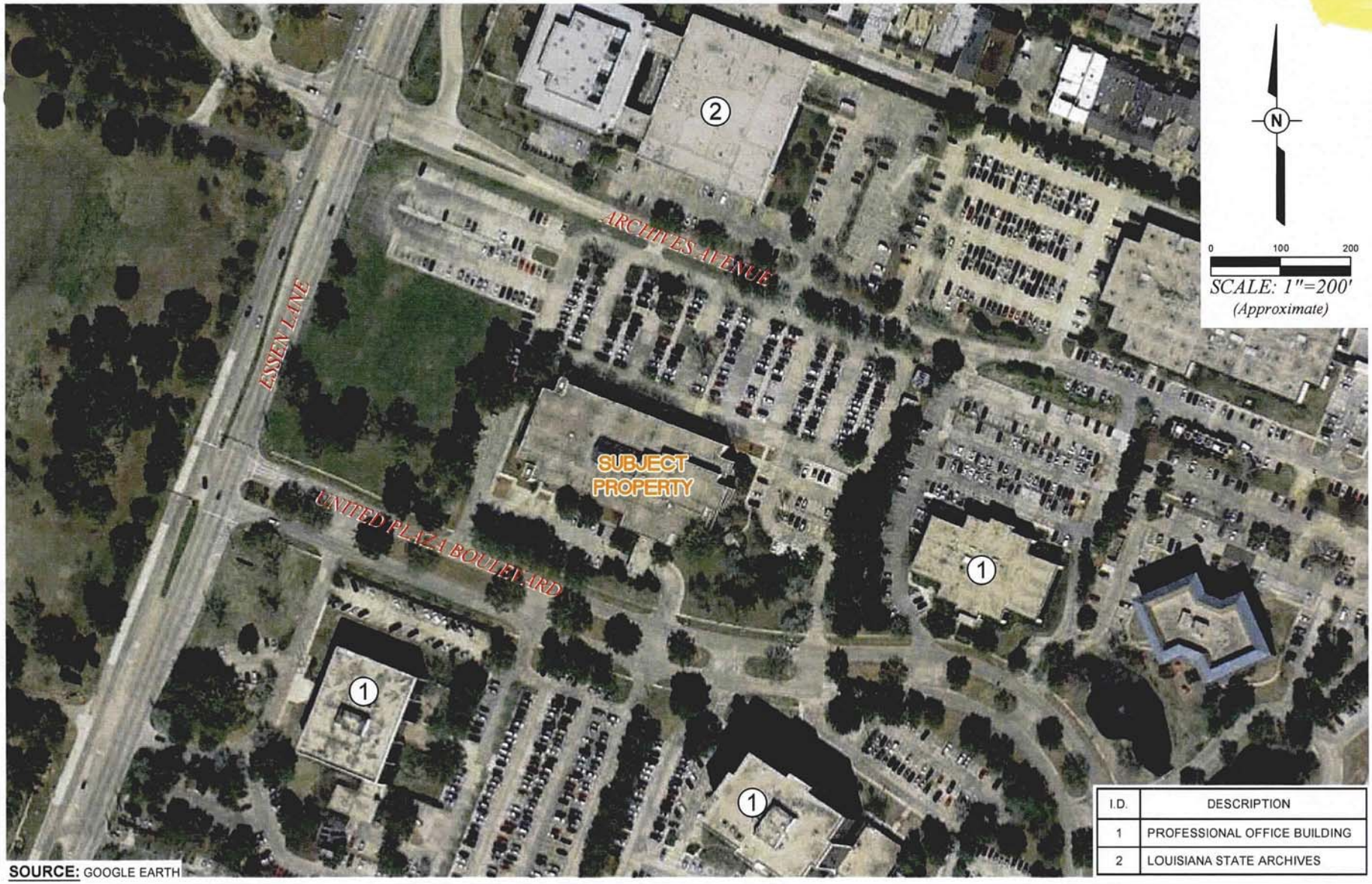

I.D.	DESCRIPTION
1	PROFESSIONAL OFFICE BUILDING
2	LOUISIANA STATE ARCHIVES

SOURCE: GOOGLE EARTH

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

REGIONAL SITE MAP

FIGURE NUMBER
3

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SCALE: 1 : 24,000

1 .5 0 1
MILES

1000 0 1000 5000 10,000
FEET

1 0 1 2
KILOMETER

1000 0 METER 1000 2000

LEGEND:

WATER WELL LOCATION

PPM CONSULTANTS, INC. www.ppmco.com		BEAU BOX PROPERTY MANAGEMENT **LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP** 8401 UNITED PLAZA BOULEVARD BATON ROUGE, LOUISIANA	WATER WELL SURVEY MAP	FIGURE NUMBER 4
DRAWN BY: JCP	DRAWN DATE: 05/22/15			
PROJECT NUMBER: 503124	BILLING GROUP: RECAP			

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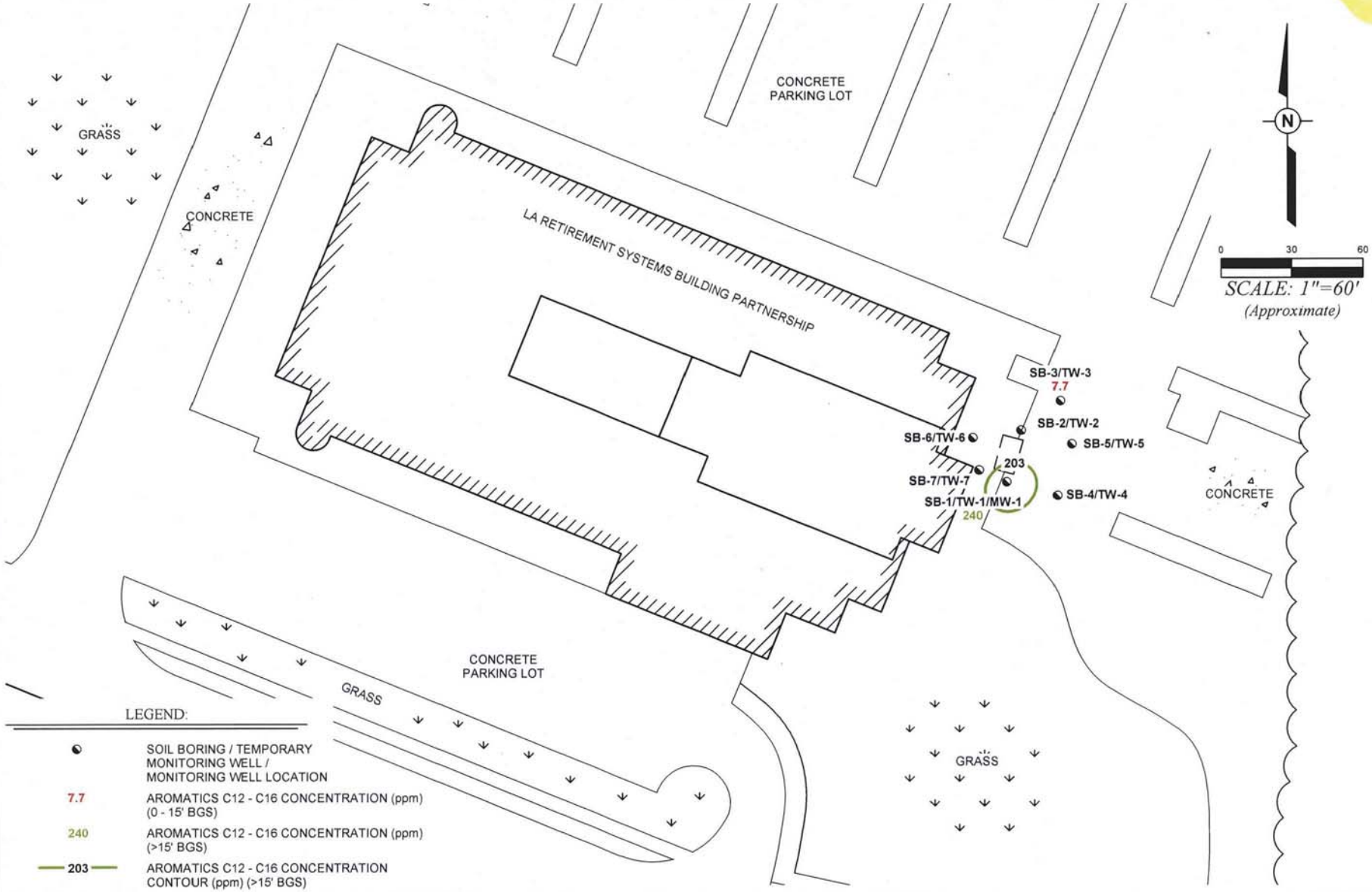

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LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

AROMATICS C12 - C16 CONCENTRATIONS IN SOIL

FIGURE NUMBER
5

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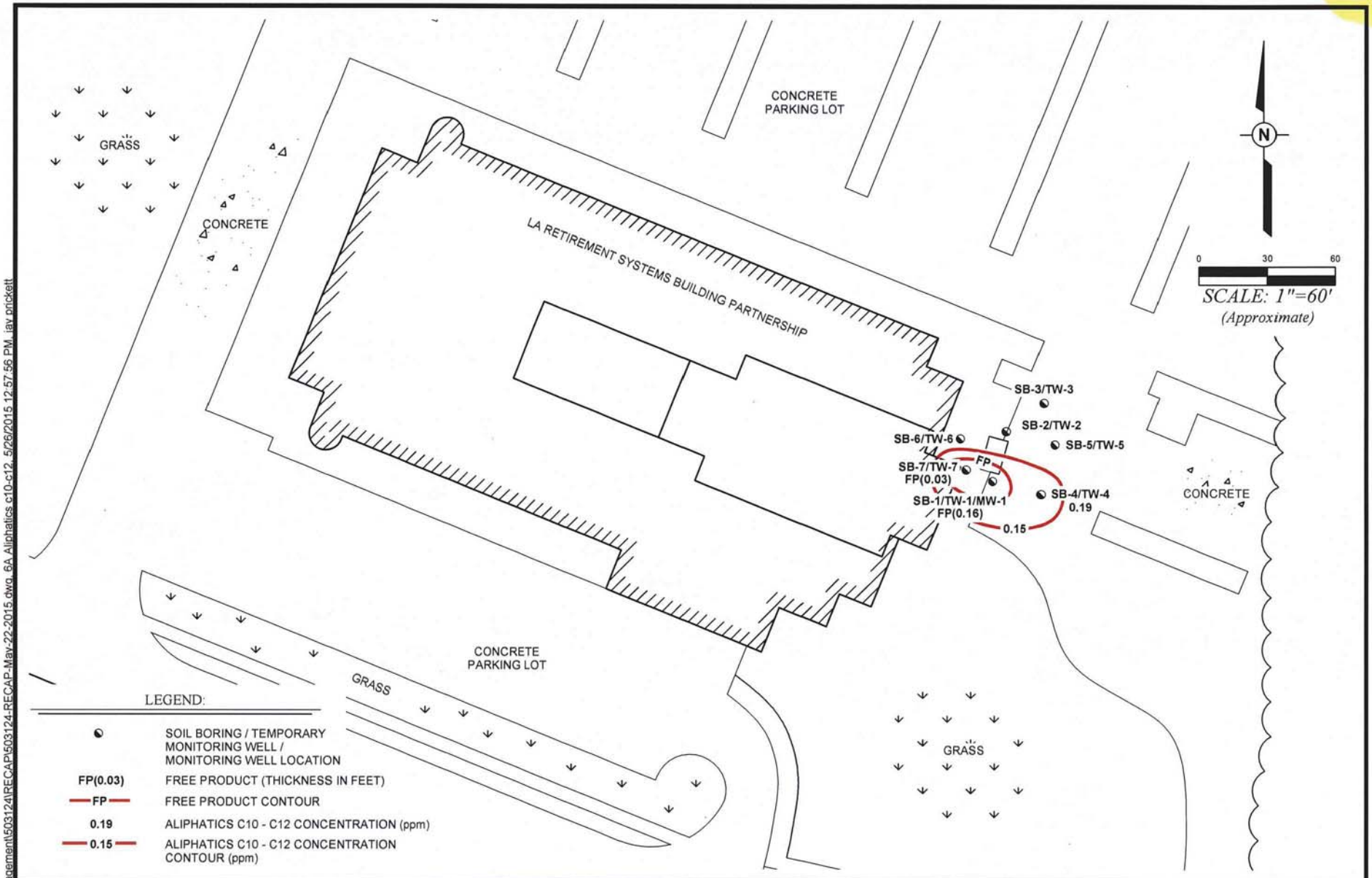

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

ALIPHATICS C10 - C12 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6A

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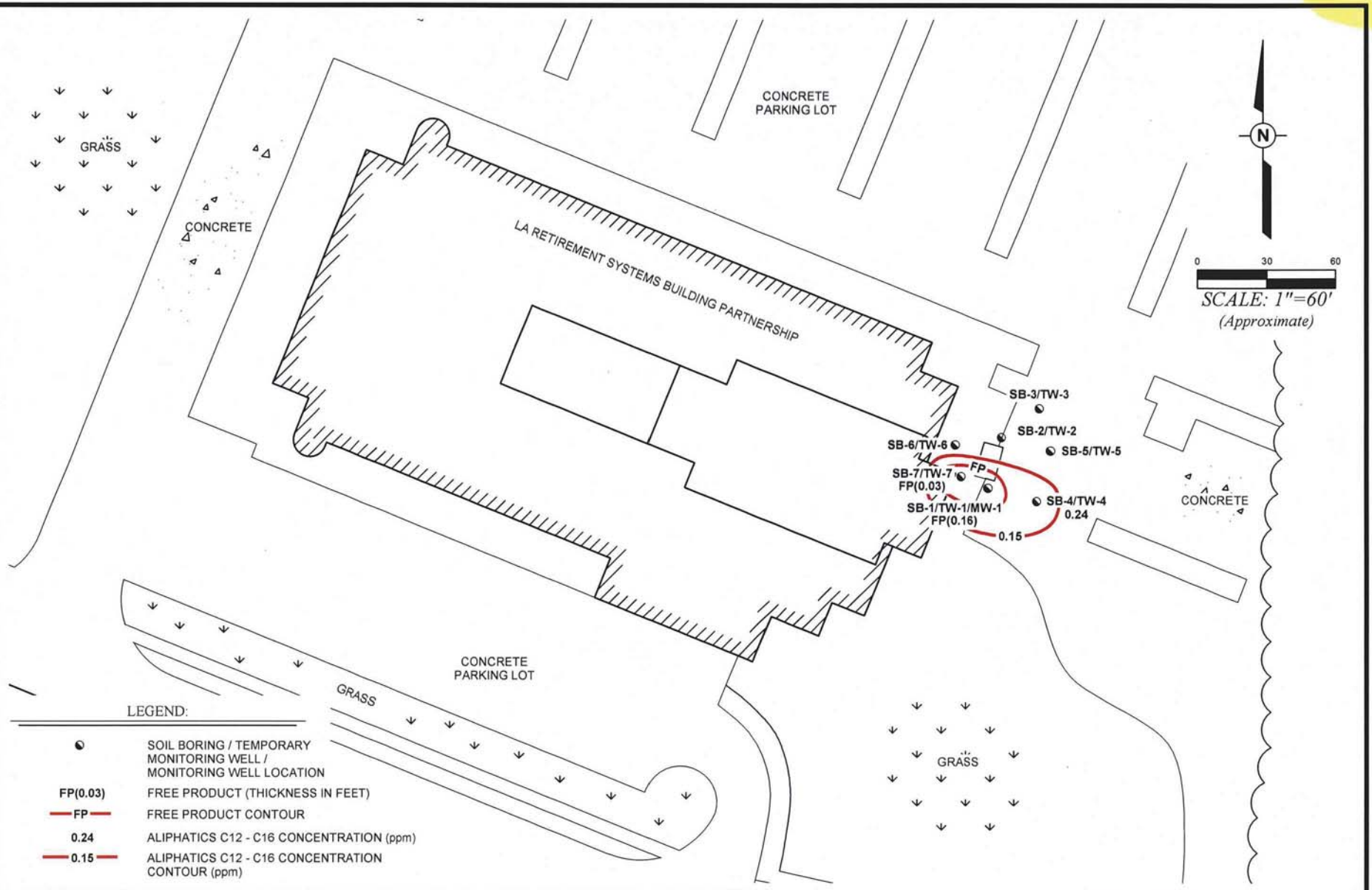

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

ALIPHATICS C12 - C16 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6B

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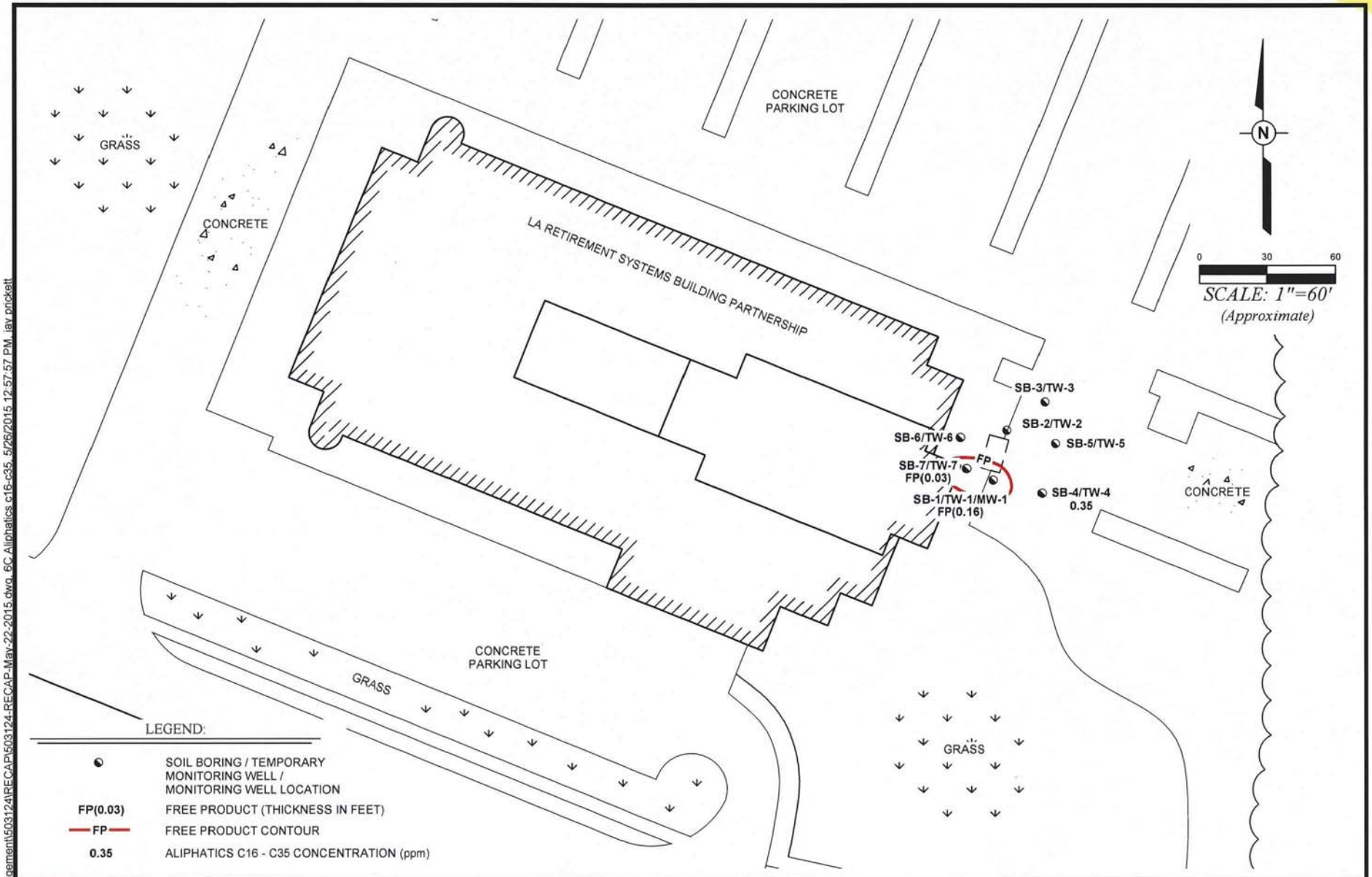

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

ALIPHATICS C16 - C35 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6C

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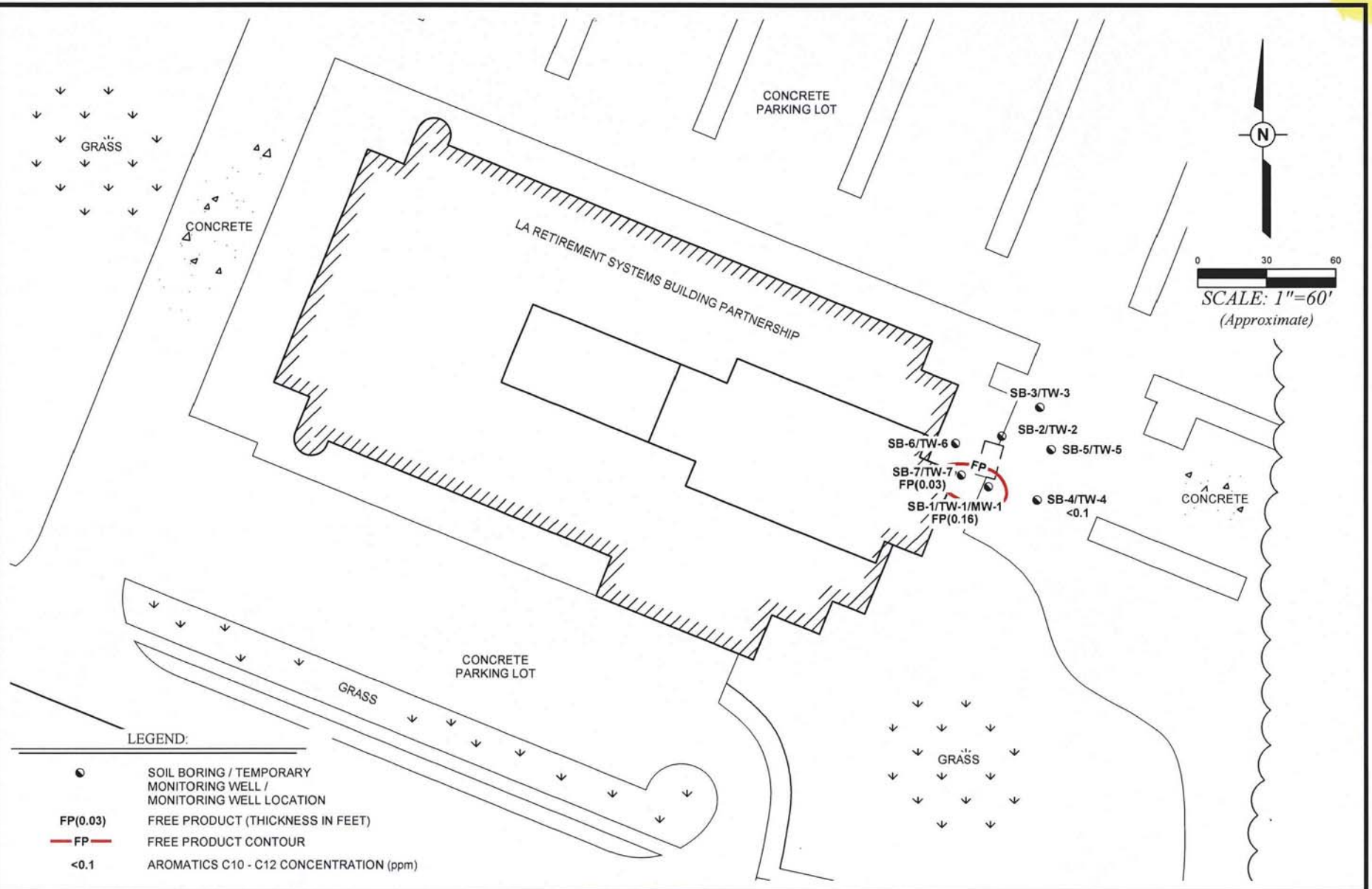

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

AROMATICS C10 - C12 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6D

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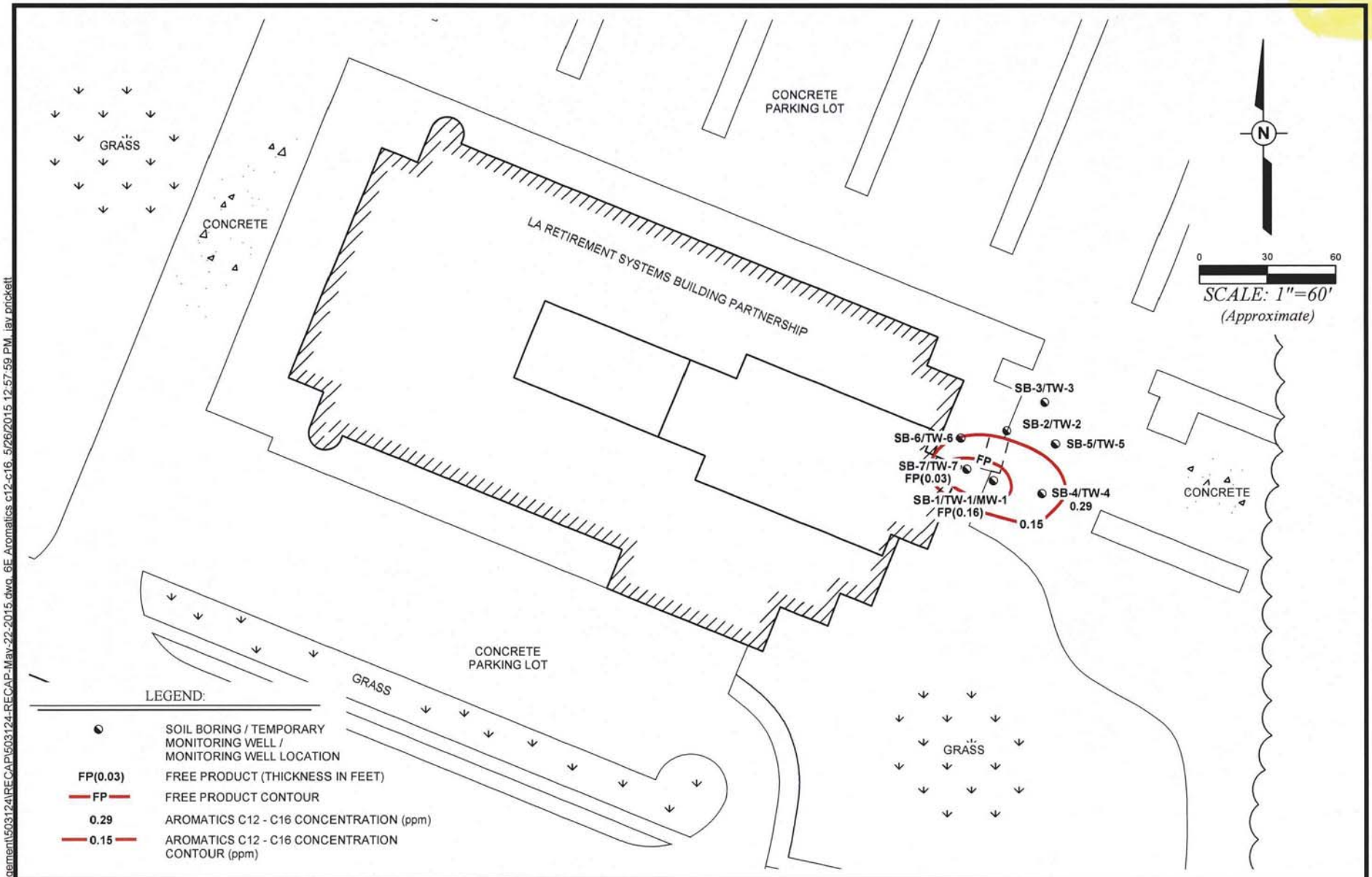

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

AROMATICS C12 - C16 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6E

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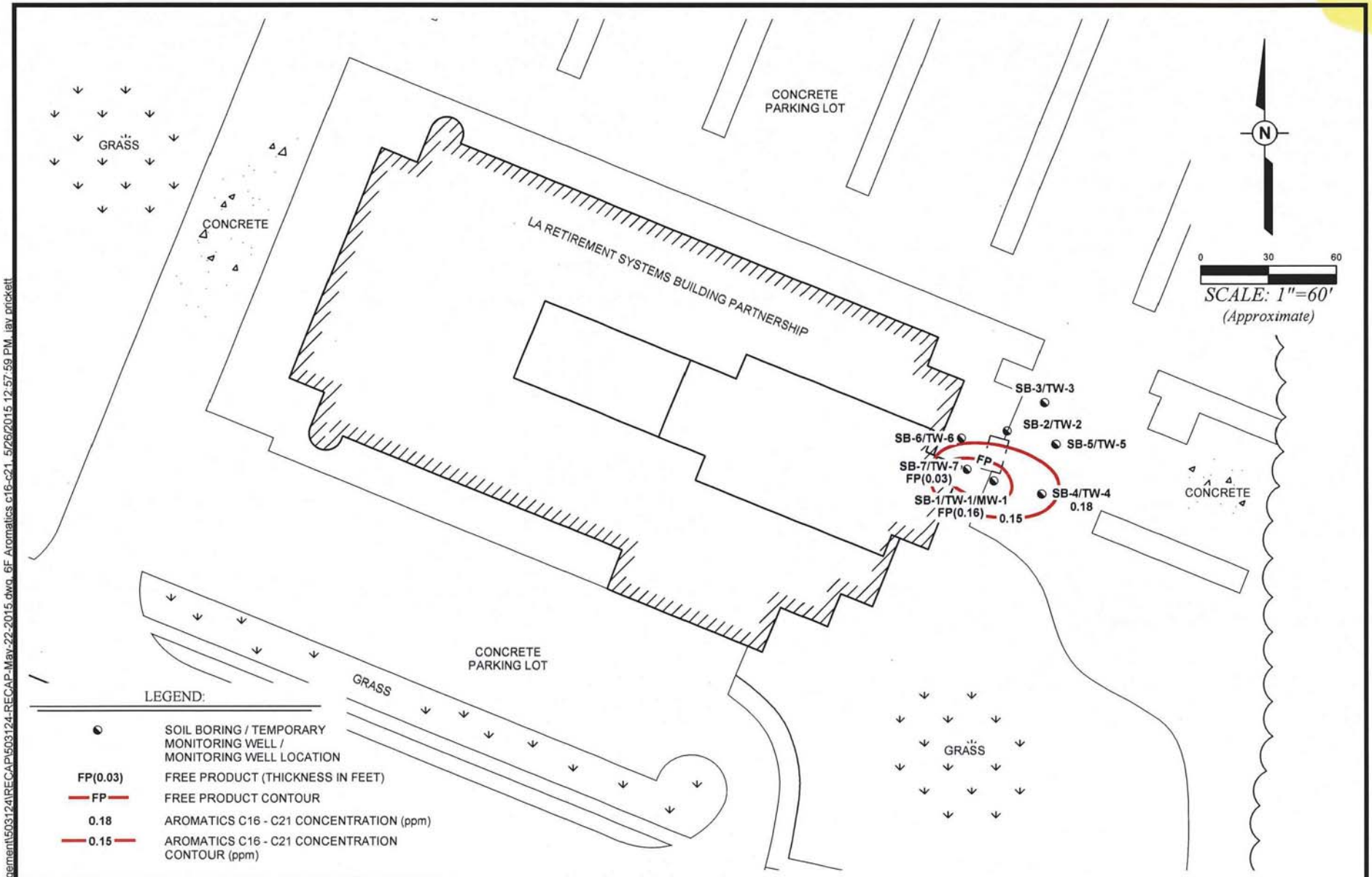

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LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

AROMATICS C16 - C21 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6F

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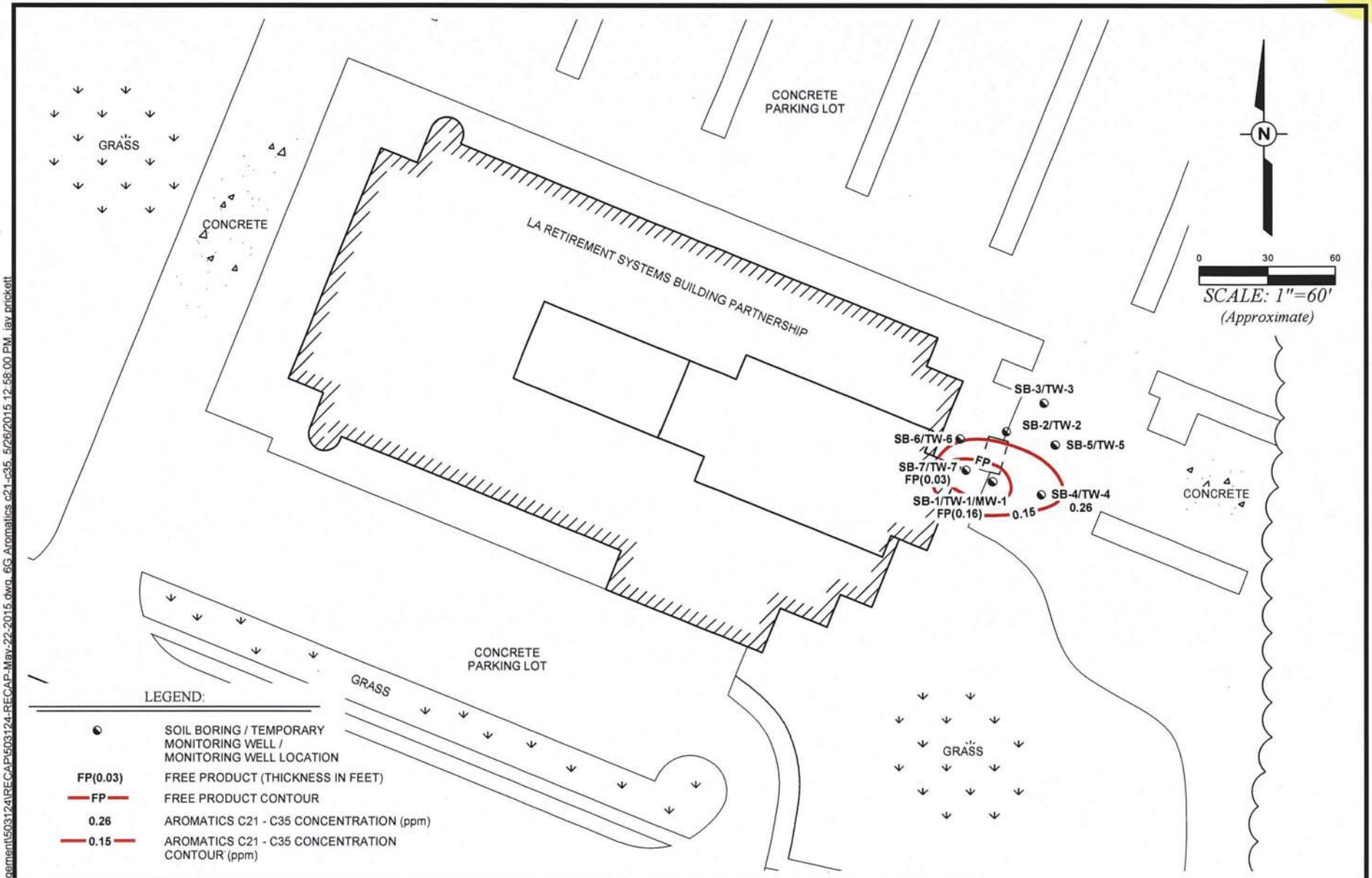

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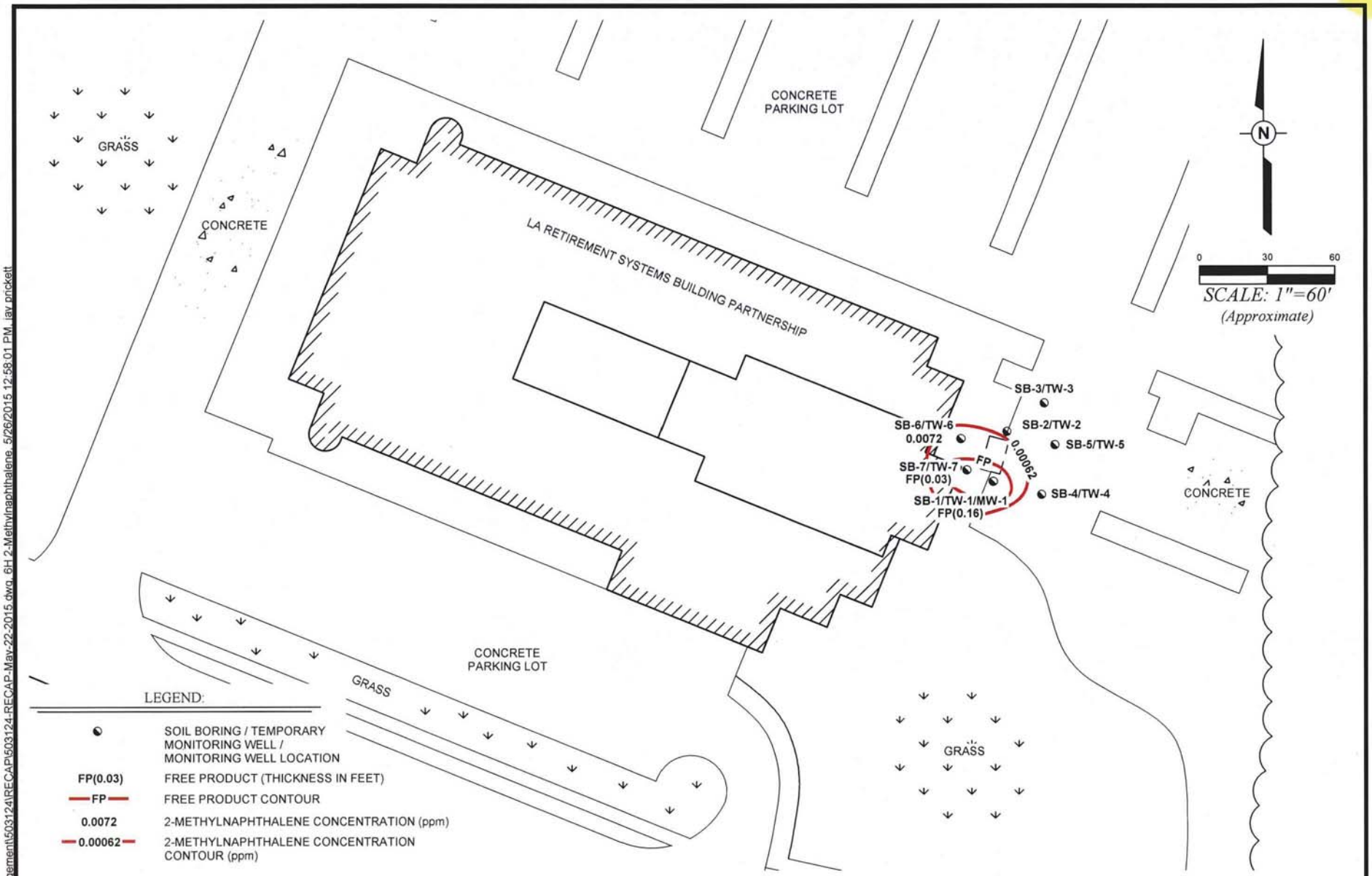
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

AROMATICS C21 - C35 CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6G



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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

2-METHYLNAPHTHALENE CONCENTRATIONS IN GROUNDWATER

FIGURE NUMBER
6H

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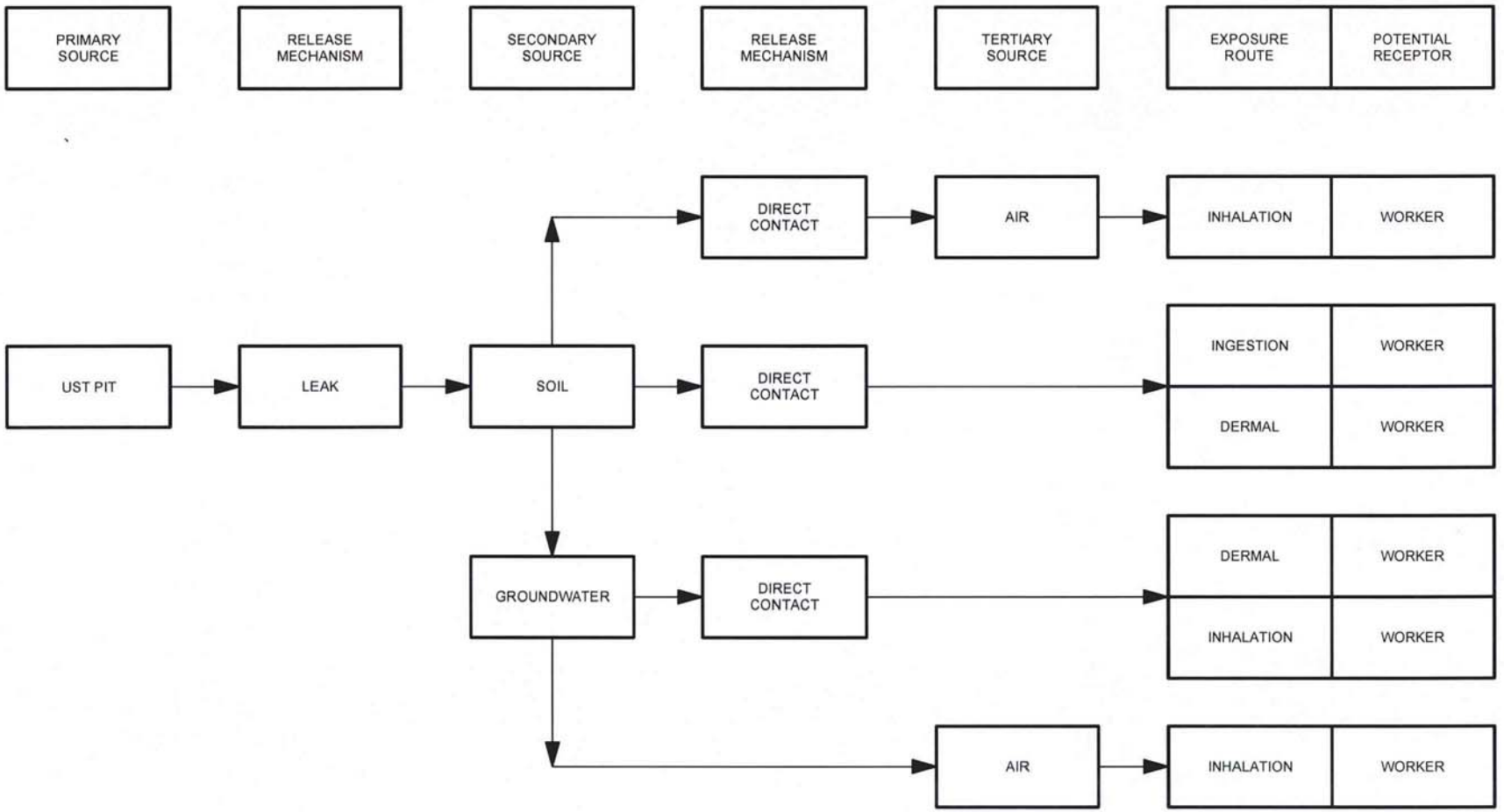

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BEAU BOX PROPERTY MANAGEMENT
LOUISIANA RETIREMENT SYSTEMS BUILDING PARTNERSHIP
8401 UNITED PLAZA BOULEVARD
BATON ROUGE, LOUISIANA

CONCEPTUAL SITE MODEL

FIGURE NUMBER
7

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APPENDIX B – TABLES

TABLE B-1
DNR WATER WELL SURVEY

DNR Well No.	Well Owner	Well Use	Well Sub-Use	Well Depth (ft)	Approximate Distance (ft) From Site	Aquifer
144	LR Williams	Domestic	D	620	1229	400-BR
226	H Leonard	Domestic	D	1275	2427	1200-BR
621	Baton Rouge WW	Public Supply	--	1487	2533	1200-BR
445	BR Country Club	Irrigation	PA	518	2740	400-BR
265	BR Country Club	Public Supply	D	1191	2740	1200-BR
224	A Murphy	Domestic	D	638	2845	400-BR
1136	BR Country Club	Irrigation	--	1405	2863	1200-BR
227	J Kean	Domestic	D	1300	2931	1200-BR
8984Z	LSU Burden Center	Irrigation	--	170	2979	ACNA
145	Fletcher Webb	Domestic	PA	1210	3097	1200-BR
267	E Ducote	Domestic	D	490	3921	400-BR
271	CW Bond	Domestic	--	650	4524	600-BR
272	Fontenot Etal.	Domestic	D	530	4797	400-BR
1259	BR Country Club	Irrigation	--	515	4862	400-BR
816	BR Country Club	Irrigation	PA	520	4862	400-BR
9354Z	Wolfe Washaner	Domestic	PA	50	5017	ACNA

Notes:
D=Destroyed
PA=Plugged and Abandoned
400-BR="400-Foot" Sands of Baton Rouge Area
1200-BR="1200-Foot" Sands of Baton Rouge Area
ACNA=Aquifer Code Not Assigned

TABLE B-2
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		5200		380		1300		1300		7.8		240		460
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		1800		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		500		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		70		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (13-15)	1	13	15	04/03/14		6		66		6.7		35		39	<	1.7		7.7		14
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1	<	5		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		14		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1	<	5		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/14	<	1	<	5		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		62		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296		710		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	5		NA		NA		NA		NA		NA		NA
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566		1300		NA		NA		NA		NA		NA		NA
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	5		NA		NA		NA		NA		NA		NA
					Minimum Concentration			<	**5**		**6.7**		**35**		**39**	<	**1.7**		**7.7**		**14**
					Maximum Concentration				**5200**		**380**		**1300**		**1300**		**7.8**		**240**		**460**
					Screening Standards				**65**		**2000**		**3800**		**10000**		**100**		**200**		**1700**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Aromatics >C21-C35	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		80		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (13-15)	1	13	15	04/03/14		6	<	10		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
					Minimum Concentration			<	**10**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**
					Maximum Concentration				**80**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**
					Screening Standards				**2500**		**220**		**88**		**120**		**2.9**		**0.33**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		NA		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (13-15)	1	13	15	04/03/14		6		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296	<	0.033	<	0.033		0.037	<	0.033	<	0.033		0.69
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566	<	0.033	<	0.033	<	0.033	<	0.033		0.11		0.88
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
Minimum Concentration								**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
Maximum Concentration								**<**	**0.033**	**<**	**0.033**		**0.037**	**<**	**0.033**		**0.11**		**0.88**
Screening Standards									**2.9**		**29**		**76**		**0.33**		**1200**		**230**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Indeno(1,2,3-cd)-pyrene	Code	MethyInaphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA
SB-3	SB-3 (13-15)	1	13	15	04/03/14		6		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA
SB-5	SB-5 (11-13)	1	11	13	04/03/14	<	1		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296	<	0.033		6		1.2		1.9		0.32
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566	<	0.033		7.3		1.4		2.5		0.44
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
					Minimum Concentration			<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**
					Maximum Concentration			<	**0.033**		**7.3**		**1.4**		**2.5**		**0.44**
					Screening Standards				**2.9**		**1.7**		**1.5**		**660**		**1100**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2A
SOIL ANALYTICAL SUMMARY AOI NO. 1 - INDUSTRIAL SOIL 0-15 FEET BGS

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21	Code	Aromatics >C21-C35
SB-3	SB-3 (13-15)	1	13	15	04/03/14		6		66		6.7		35		39	<	1.7		7.7		14	<	10
SB-5	SB-5 (11-13)	1	11	13	04/03/14	<	1	<	5		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration								<	**5**		**6.7**		**35**		**39**	<	**1.7**		**7.7**		**14**	<	**10**
Maximum Concentration									**66**		**6.7**		**35**		**39**	<	**1.7**		**7.7**		**14**	<	**10**
Screening Standards									**65**		**2000**		**3800**		**10000**		**100**		**200**		**1700**		**2500**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2B
SOIL ANALYTICAL SUMMARY AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		5200		380		1300		1300		7.8		240		460
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		1800		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		500		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		70		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1	<	5		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		14		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1	<	5		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		62		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	5		NA		NA		NA		NA		NA		NA
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	5		NA		NA		NA		NA		NA		NA
Minimum Concentration								<	**5**		**380**		**1300**		**1300**		**7.8**		**240**		**460**
Maximum Concentration									**5200**		**380**		**1300**		**1300**		**7.8**		**240**		**460**
Screening Standards									**65**		**2000**		**3800**		**10000**		**100**		**200**		**1700**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2B
SOIL ANALYTICAL SUMMARY AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Aromatics >C21-C35	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		80		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5		NA	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
Minimum Concentration									**80**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
Maximum Concentration									**80**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
Screening Standards									**2500**		**220**		**88**		**120**		**2.9**		**0.33**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2B
SOIL ANALYTICAL SUMMARY AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		NA		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA		NA
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
Minimum Concentration								**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
Maximum Concentration								**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
Screening Standards									**2.9**		**29**		**76**		**0.33**		**1200**		**230**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2B
SOIL ANALYTICAL SUMMARY AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Indeno(1,2,3-cd)-pyrene	Code	Methylnaphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-1	SB-1 (17-19)	2	17	19	04/03/14		94		NA		NA		NA		NA		NA
SB-1	SB-1 (21-24)	2	21	24	04/03/14		14		NA		NA		NA		NA		NA
SB-2	SB-2 (17-19)	2	17	19	04/03/14		28		NA		NA		NA		NA		NA
SB-2	SB-2 (21-24)	2	21	24	04/03/14		6		NA		NA		NA		NA		NA
SB-3	SB-3 (21-24)	2	21	24	04/03/14		1		NA		NA		NA		NA		NA
SB-4	SB-4 (17-19)	2	17	19	04/03/14		1		NA		NA		NA		NA		NA
SB-4	SB-4 (26-29)	2	26	29	04/03/14	<	1		NA		NA		NA		NA		NA
SB-5	SB-5 (17-20)	2	17	20	04/03/14		1		NA		NA		NA		NA		NA
SB-6	SB-6 (27-30)	2	27	30	04/09/14		13	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (27-30)	2	27	30	04/09/14		5	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
					Minimum Concentration			**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
					Maximum Concentration			**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
					Screening Standards				**2.9**		**1.7**		**1.5**		**660**		**1100**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2C
SOIL ANALYTICAL SUMMARY AOI NO. 4 - INDUSTRIAL SOIL BES

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	TPH-D	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296		710	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566		1300	<	0.033	<	0.033	<	0.033	<	0.033	<	0.033
							Minimum Concentration		**710**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
							Maximum Concentration		**1300**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**
							Screening Standards		**65**		**220**		**88**		**120**		**2.9**		**0.33**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2C
SOIL ANALYTICAL SUMMARY AOI NO. 4 - INDUSTRIAL SOIL BES

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296	<	0.033	<	0.033		0.037	<	0.033	<	0.033		0.69
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566	<	0.033	<	0.033	<	0.033	<	0.033		0.11		0.88
Minimum Concentration								**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**	**<**	**0.033**		**0.69**
Maximum Concentration								**<**	**0.033**	**<**	**0.033**		**0.037**	**<**	**0.033**		**0.11**		**0.88**
Screening Standards									**2.9**		**29**		**76**		**0.33**		**1200**		**230**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-2C
SOIL ANALYTICAL SUMMARY AOI NO. 4 - INDUSTRIAL SOIL BES

Boring ID	Sample ID	AOI	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Indeno(1,2,3-cd)-pyrene	Code	Methylnaphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-6	SB-6 (11-13)	4	11	13	04/09/14		296	<	0.033		6		1.2		1.9		0.32
SB-7	SB-7 (11-13)	4	11	13	04/09/14		566	<	0.033		7.3		1.4		2.5		0.44
Minimum Concentration								**<**	**0.033**		**6**		**1.2**		**1.9**		**0.32**
Maximum Concentration								**<**	**0.033**		**7.3**		**1.4**		**2.5**		**0.44**
Screening Standards									**2.9**		**1.7**		**1.5**		**660**		**1100**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	AOI	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21	Code	Aromatics >C21-C35
SB-1/MW-1	5	04/04/14		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**
SB-2/TW-2	3	04/04/14		**4.2**		NA		NA		NA		NA		NA		NA		NA
SB-3/TW-3	3	04/04/14		**0.51**		NA		NA		NA		NA		NA		NA		NA
SB-4/TW-4	3	04/04/14		**8.4**		**0.19**		**0.24**		0.35	<	0.1		**0.29**		**0.18**		**0.26**
SB-5/TW-5	3	04/04/14	<	0.15		NA		NA		NA		NA		NA		NA		NA
SB-6/TW-6	5	04/10/14	<	0.15		NA		NA		NA		NA		NA		NA		NA
SB-7/TW-7	5	04/10/14		**16**		0.14		0.1		NA		NA		NA		NA		NA
MW-1	5	06/27/14		430		21		70		69		0.46		15		23		3.5
TW-7	5	02/05/15		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**
MW-1	5	02/05/15		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**		**FP**
MW-1	5	04/21/15		NA		**5.81**		**19.8**		**17.4**		**0.169**		**2.94**		**7.51**		**1.26**
Minimum Concentrations			<	**0.15**		**0.14**		**0.1**		**0.35**	<	**0.1**		**0.29**		**0.18**		**0.26**
Maximum Concentrations				**430**		**21**		**70**		**69**		**0.46**		**15**		**23**		**3.5**
Screening Standards				**0.15**		**0.15**		**0.15**		**7.3**		**0.15**		**0.15**		**0.15**		**0.15**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	AOI	Sample Date	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene
SB-1/MW-1	5	04/04/14		FP		FP		FP		FP		FP		FP		FP		FP
SB-2/TW-2	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-3/TW-3	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-4/TW-4	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-5/TW-5	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-6/TW-6	5	04/10/14		0.00051	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018
SB-7/TW-7	5	04/10/14	<	0.0091	<	0.0091	<	0.0091	<	**0.0091**	<	**0.0091**	<	**0.0091**	<	**0.0091**	<	**0.0091**
MW-1	5	06/27/14	<	0.018	<	0.018	<	0.018	<	**0.018**	<	**0.018**	<	**0.018**	<	**0.018**	<	**0.018**
TW-7	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	04/21/15		0.268	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019
Minimum Concentrations				**0.00051**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**
Maximum Concentrations				**0.268**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**
Screening Standards				**0.037**		**0.1**		**0.043**		**0.0078**		**0.0002**		**0.0048**		**0.0025**		**0.0016**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	AOI	Sample Date	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)-pyrene	Code	Methyl-naphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-1/MW-1	5	04/04/14		FP		FP		FP		FP		FP		FP		FP		FP
SB-2/TW-2	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-3/TW-3	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-4/TW-4	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-5/TW-5	3	04/04/14		NA		NA		NA		NA		NA		NA		NA		NA
SB-6/TW-6	5	04/10/14	<	0.00018	<	0.00018		0.00062	<	0.00018		**0.0072**		0.0045		0.00069	<	0.00018
SB-7/TW-7	5	04/10/14	<	**0.0091**	<	0.0091		0.021	<	**0.0091**		**0.25**		**0.05**		0.044		0.011
MW-1	5	06/27/14	<	**0.018**	<	0.018		**0.23**	<	**0.018**		**1.7**		**0.33**		**0.4**		0.73
TW-7	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	04/21/15	<	0.019	<	0.019		0.449	<	0.019		2.34		0.645		0.724	<	**0.019**
		Minimum Concentrations	<	**0.00018**	<	**0.00018**		**0.00062**	<	**0.00018**		**0.0072**		**0.0045**		**0.00069**	<	**0.00018**
		Maximum Concentrations	<	**0.019**	<	**0.019**		**0.449**	<	**0.019**		**2.34**		**0.645**		**0.724**		**0.73**
		Screening Standards		**0.0025**		**0.15**		**0.024**		**0.0037**		**0.00062**		**0.01**		**0.18**		**0.018**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3A
GROUNDWATER ANALYTICAL SUMMARY AOI NO. 3 - GROUNDWATER

Monitoring Well ID	AOI	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21	Code	Aromatics >C21-C35
SB-2/TW-2	3	04/04/14		**4.2**		NA		NA		NA		NA		NA		NA		NA
SB-3/TW-3	3	04/04/14		**0.51**		NA		NA		NA		NA		NA		NA		NA
SB-4/TW-4	3	04/04/14		8.4		0.19		0.24		0.35	<	0.1		0.29		0.18		0.26
SB-5/TW-5	3	04/04/14	<	0.15		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations			<	**0.15**		**0.19**		**0.24**		**0.35**	<	**0.1**		**0.29**		**0.18**		**0.26**
Maximum Concentrations				**8.4**		**0.19**		**0.24**		**0.35**	<	**0.1**		**0.29**		**0.18**		**0.26**
Screening Standards				**0.15**		**0.15**		**0.15**		**7.3**		**0.15**		**0.15**		**0.15**		**0.15**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3B
GROUNDWATER ANALYTICAL SUMMARY AOI NO. 5 - GROUNDWATER BES

Monitoring Well ID	AOI	Sample Date	Code	TPH-D	Code	Aliphatics >C10-C12	Code	Aliphatics >C12-C16	Code	Aliphatics >C16-C35	Code	Aromatics >C10-C12	Code	Aromatics >C12-C16	Code	Aromatics >C16-C21	Code	Aromatics >C21-C35
SB-1/MW-1	5	04/04/14		FP		FP		FP		FP		FP		FP		FP		FP
SB-6/TW-6	5	04/10/14	<	0.15		NA		NA		NA		NA		NA		NA		NA
SB-7/TW-7	5	04/10/14		16		0.14		0.1		NA		NA		NA		NA		NA
MW-1	5	06/27/14		430		21		70		69		0.46		15		23		3.5
TW-7	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	04/21/15		NA		5.81		19.8		17.4		0.169		2.94		7.51		1.26
Minimum Concentrations			<	**0.15**		**0.14**		**0.1**		**17.4**	<	**0.169**		**2.94**		**7.51**		**1.26**
Maximum Concentrations				**430**		**21**		**70**		**69**		**0.46**		**15**		**23**		**3.5**
Screening Standards				**0.15**		**0.15**		**0.15**		**7.3**		**0.15**		**0.15**		**0.15**		**0.15**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3B
GROUNDWATER ANALYTICAL SUMMARY AOI NO. 5 - GROUNDWATER BES

Monitoring Well ID	AOI	Sample Date	Code	Acenaphthene	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene
SB-1/MW-1	5	04/04/14		FP		FP		FP		FP		FP		FP		FP		FP
SB-6/TW-6	5	04/10/14		0.00051	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018
SB-7/TW-7	5	04/10/14	<	0.0091	<	0.0091	<	0.0091	<	**0.0091**	<	**0.0091**	<	**0.0091**	<	**0.0091**	<	**0.0091**
MW-1	5	06/27/14	<	0.018	<	0.018	<	0.018	<	**0.018**	<	**0.018**	<	**0.018**	<	**0.018**	<	**0.018**
TW-7	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	04/21/15		0.268	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019	<	0.019
		Minimum Concentrations		**0.00051**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**	<	**0.00018**
		Maximum Concentrations		**0.268**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**	<	**0.019**
		Screening Standards		**0.037**		**0.1**		**0.043**		**0.0078**		**0.0002**		**0.0048**		**0.0025**		**0.0016**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-3B
GROUNDWATER ANALYTICAL SUMMARY AOI NO. 5 - GROUNDWATER BES

Monitoring Well ID	AOI	Sample Date	Code	Dibenz(a,h)-anthracene	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)-pyrene	Code	Methyl-naphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene
SB-1/MW-1	5	04/04/14		FP		FP		FP		FP		FP		FP		FP		FP
SB-6/TW-6	5	04/10/14	<	0.00018	<	0.00018		0.00062	<	0.00018		0.0072		0.0045		0.00069	<	0.00018
SB-7/TW-7	5	04/10/14	<	0.0091	<	0.0091		0.021	<	0.0091		0.25		0.05		0.044		0.011
MW-1	5	06/27/14	<	0.018	<	0.018		0.23	<	0.018		1.7		0.33		0.4		0.73
TW-7	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	02/05/15		FP		FP		FP		FP		FP		FP		FP		FP
MW-1	5	04/21/15	<	0.019	<	0.019		0.449	<	0.019		2.34		0.645		0.724	<	0.019
Minimum Concentrations			<	**0.00018**	<	**0.00018**		**0.00062**	<	**0.00018**		**0.0072**		**0.0045**		**0.00069**	<	**0.00018**
Maximum Concentrations			<	**0.019**	<	**0.019**		**0.449**	<	**0.019**		**2.34**		**0.645**		**0.724**		**0.73**
Screening Standards				**0.0025**		**0.15**		**0.024**		**0.0037**		**0.00062**		**0.01**		**0.18**		**0.018**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE B-4
CHEMICAL/PHYSICAL PROPERTIES

Constituents of Concern	CAS No.	Molecular Weight (g/gmol)	Soil Organic Carbon Partition Coefficient (cm^3/g)	Henry's Law Constant (atm-m)	Diffusivity in Air (cm^3/s)	Diffusivity in Water (cm^3/s)	Water Solubility (mg/L)	Oral Slope Factor (kg-d/mg)	Inhalation Slope Factor (kg-d/mg)	Oral Reference Dose (mg/kg-d)	Inhalation Reference Dose (mg/kg-d)	Dermal Adsorption Factor
Aliphatics C10-C12	NA	160.0	2.51E+05	2.93E+00	1.00E-01	1.00E-05	-	-	-	1.00E-01	3.00E-01	0.00
Aliphatics C12-C16	NA	200.0	5.01E+06	1.27E+01	1.00E-01	1.00E-05	-	-	-	1.00E-01	3.00E-01	0.00
Aliphatics C16-C35	NA	270.0	6.31E+08	1.20E+02	1.00E-01	1.00E-05	-	-	-	2.00E+00	2.00E+00	0.10
Aromatics C10-C12	NA	130.0	2.51E+03	3.41E-03	1.00E-01	1.00E-05	-	-	-	4.00E-02	6.00E-02	0.00
Aromatics C12-C16	NA	150.0	5.01E+03	1.29E-03	1.00E-01	1.00E-05	-	-	-	4.00E-02	6.00E-02	0.00
Aromatics C16-C21	NA	190.0	1.58E+04	3.17E-04	1.00E-01	1.00E-05	-	-	-	3.00E-02	3.00E-02	0.10
Aromatics C21-C35	NA	240.0	1.26E+05	1.63E-05	1.00E-01	1.00E-05	-	-	-	3.00E-02	3.00E-02	0.10
Acenaphthene	83-32-9	154.2	4.90E+03	1.55E-04	4.21E-02	7.69E-06	4.24E+00	-	-	6.00E-02	6.00E-02	0.00
Acenaphthylene	208-96-8	152.2	2.00E+03	1.14E-04	4.39E-02	7.53E-06	1.60E+01	-	-	6.00E-02	6.00E-02	0.00
Anthracene	120-12-7	178.2	2.35E+04	6.50E-05	3.24E-02	7.74E-06	4.30E-02	-	-	3.00E-01	3.00E-01	0.00
Benzo(a)anthracene	56-55-3	228.3	3.58E+05	3.35E-06	5.10E-02	9.00E-06	9.40E-03	7.30E-01	3.10E-01	-	-	0.13
Benzo(a)pyrene	50-32-8	252.3	9.69E+05	1.13E-06	4.30E-02	9.00E-06	1.60E-03	7.30E+00	3.10E+00	-	-	0.13
Benzo(b)fluoranthene	205-99-2	252.3	1.23E+06	1.11E-04	2.26E-02	5.56E-06	1.50E+03	7.30E-01	3.10E-01	-	-	0.13
Benzo(k)fluoranthene	207-08-9	252.3	1.23E+06	8.29E-07	2.26E-02	5.56E-06	8.00E-04	7.30E-02	3.10E-02	-	-	0.13
Chrysene	218-01-9	228.3	3.98E+05	9.46E-05	2.48E-02	6.21E-06	1.60E-03	7.30E-03	3.10E-03	-	-	0.13
Dibenz(a,h)anthracene	53-70-3	278.4	1.79E+06	1.47E-08	2.02E-02	5.18E-06	2.50E-03	7.30E+00	3.10E+00	-	-	0.13
Fluoranthene	206-44-0	202.3	4.91E+04	1.61E-05	3.02E-02	6.35E-06	2.06E-01	-	-	4.00E-02	4.00E-02	0.13
Fluorene	86-73-7	166.2	7.71E+03	6.36E-05	3.63E-02	7.88E-06	1.98E+00	-	-	4.00E-02	4.00E-02	0.00
Indeno(1,2,3-cd)pyrene	193-39-5	276.3	3.47E+06	1.60E-06	1.90E-02	5.66E-06	2.20E-05	7.30E-01	3.10E-01	-	-	0.13
2-Methylnaphthalene	91-57-6	142.2	2.24E+03	5.80E-05	4.80E-02	7.84E-06	2.46E+01	-	-	2.00E-02	8.60E-04	0.00
Naphthalene	91-20-3	128.2	1.19E+03	4.83E-04	5.90E-02	7.50E-06	3.10E+01	-	-	2.00E-02	8.60E-04	0.00
Phenanthrene	85-01-8	178.2	4.80E+03	2.33E-05	3.24E-02	7.74E-06	1.15E+00	-	-	3.00E-01	3.00E-01	0.00
Pyrene	129-00-0	202.3	6.80E+04	1.10E-05	2.72E-02	7.24E-06	1.35E-01	-	-	3.00E-01	3.00E-01	0.00

TABLE B-5
CHEMICAL RECAP PROPERTIES

Constituents of Concern	CAS No.	Maximum Contaminant Level (mg/L)	LAC 33:IX Drinking Water Source (mg/L)	LAC 33:IX Non-Drinking Water Source (mg/L)	Quantitation Limits		Octanol Water Partition Coefficient (mg/L)	BCF (L/kg)	Organic or Inorganic	Volatile or Non-Volatile	Carcinogen or Non-Carcinogen
					Ground water (mg/L)	Soil (mg/kg)					
Aliphatics C10-C12	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Volatile	Non-Carcinogen
Aliphatics C12-C16	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Volatile	Non-Carcinogen
Aliphatics C16-C35	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Non-Volatile	Non-Carcinogen
Aromatics C10-C12	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Volatile	Non-Carcinogen
Aromatics C12-C16	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Volatile	Non-Carcinogen
Aromatics C16-C21	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Non-Volatile	Non-Carcinogen
Aromatics C21-C35	NA	-	-	-	1.50E-01	-	-	0.00E+00	Organic	Non-Volatile	Non-Carcinogen
Acenaphthene	83-32-9	-	-	-	1.00E-02	-	8.32E+03	3.87E+02	Organic	Volatile	Non-Carcinogen
Acenaphthylene	208-96-8	-	-	-	-	-	-	2.69E+02	Organic	Volatile	Non-Carcinogen
Anthracene	120-12-7	-	-	-	1.00E-02	-	3.55E+04	9.20E+02	Organic	Volatile	Non-Carcinogen
Benzo(a)anthracene	56-55-3	-	-	-	7.80E-03	-	5.01E+05	1.26E+04	Organic	Non-Volatile	Carcinogen
Benzo(a)pyrene	50-32-8	2.00E-04	-	-	-	3.30E-01	1.29E+05	8.29E+05	Organic	Non-Volatile	Carcinogen
Benzo(b)fluoranthene	205-99-2	-	-	-	4.80E-03	-	1.58E+06	3.03E+04	Organic	Non-Volatile	Carcinogen
Benzo(k)fluoranthene	207-08-9	-	-	-	2.50E-03	-	1.58E+06	3.03E+04	Organic	Non-Volatile	Carcinogen
Chrysene	218-01-9	-	-	-	1.50E-03	-	5.01E+05	1.26E+04	Organic	Non-Volatile	Carcinogen
Dibenz(a,h)anthracene	53-70-3	-	-	-	2.50E-03	3.30E-01	4.90E+06	7.28E+04	Organic	Non-Volatile	Carcinogen
Fluoranthene	206-44-0	-	-	-	1.00E-02	-	1.32E+05	4.43E+03	Organic	Non-Volatile	Non-Carcinogen
Fluorene	86-73-7	-	-	-	1.00E-02	-	1.62E+04	1.80E+03	Organic	Volatile	Non-Carcinogen
Indeno(1,2,3-cd)pyrene	193-39-5	-	-	-	3.70E-03	-	4.47E+06	7.28E+04	Organic	Non-Volatile	Carcinogen
2-Methylnaphthalene	91-57-6	-	-	-	-	-	-	2.60E+03	Organic	Volatile	Non-Carcinogen
Naphthalene	91-20-3	-	-	-	1.00E-02	-	2.29E+03	3.10E+02	Organic	Volatile	Non-Carcinogen
Phenanthrene	85-01-8	-	-	-	-	-	-	5.10E+03	Organic	Volatile	Non-Carcinogen
Pyrene	129-00-0	-	-	-	1.00E-02	-	1.29E+05	6.90E+01	Organic	Volatile	Non-Carcinogen

NA - Not available

Constituents with a Henry's Law Constant greater than 0.00001 and a molecular weight less that 200 grams per mole are considered to be volatile by the LDEQ
Constituents that have a Slope Factor are considered to be carcinogens and those having a Reference Dose are considered to be non-carcinogens.
Constituents that have a Soil Organic Carbon Partition Coefficient are organic compounds.

TABLE B-6A
TARGET ORGANS/SYSTEMS (MO1)
AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Target Organ/System	Constituents of Concern	Additivity
Soil Medium		
Decreased body weight	Aromatics C12-C16	1

Note: Choose the larger additivity value for each constituent of concern.

Source: USEPA Integrated Risk Information System (IRIS), http://www.gov/ngispgm3/iris/index.html.

TABLE B-6B
TARGET ORGANS/SYSTEMS (MO1)
AOI NO. 3 - GROUNDWATER

Target Organ/System	Constituents of Concern	Additivity
Groundwater Medium		
Liver	Aliphatics C10-C16	1
Decreased Body Weight	Aromatics C12-C16	1
Kidney	Aromatics C16-C35	1

Note: Choose the larger additivity value for each constituent of concern.

Source: USEPA Integrated Risk Information System (IRIS), http://www.gov/ngispgm3/iris/index.html.

TABLE B-6C
TARGET ORGANS/SYSTEMS (MO1)
AOI NO. 4 - INDUSTRIAL SOIL BES

Target Organ/System	Constituents of Concern	Additivity
Soil Medium		
Kidney	Aromatics C16-C35, Fluoranthene, Pyrene	3
Liver	Aliphatics C10-C16, Aliphatics C16-C35, Acenaphthene, Fluoranthene	4
Hematological system	Aliphatics C10-C16, Fluorene	2
Nasal cavity	2-Methylnaphthalene, Naphthalene	2
Decreased body weight	Aromatics C10-C16, 2-Methylnaphthalene, Naphthalene	3

Source: USEPA Integrated Risk Information System (IRIS), http://www.gov/ngispgm3/iris/index.html.

TABLE B-6D
TARGET ORGANS/SYSTEMS (MO2)
AOI NO. 5 - GROUNDWATER BES

Target Organ/System	Constituents of Concern	Additivity
Groundwater Medium		
Kidney	Aromatics C16-C35, Fluoranthene, Pyrene	3
Liver	Aliphatics C10-C16, Aliphatics C16-C35, Acenaphthene, Fluoranthene	4
Hematological system	Aliphatics C10-C16, Fluorene	2
Nasal cavity	2-Methylnaphthalene, Naphthalene	2
Decreased body weight	Aromatics C10-C16, 2-Methylnaphthalene, Naphthalene	3

Note: Choose the larger additivity value for each constituent of concern.

Source: USEPA Integrated Risk Information System (IRIS), http://www.gov/ngispgm3/iris/index.html.

TABLE B-7A
ADDITIVITY
AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

Constituents of Concern	CAS No.	Additive Effects	
		Soil	Groundwater
Aromatics C12-C16	NA	1	--

If more than one constituent is present in soil that elicits noncarcinogenic effects on the same target organ/system, adjust the RECAP standard to account for additivity according to the guidelines presented in Section 2.14 of the RECAP guidelines.

Additive effects are not considered for carcinogens.

Additivity is NOT taken into account for RECAP standards that are based on MCL, LAC 33:IX Drinking Water, or LAC 33:IX Non-Drinking Water.

TABLE B-7B
ADDITIVITY
AOI NO. 3 - GROUNDWATER

Constituents of Concern	CAS No.	Additive Effects	
		Soil	Groundwater
Aliphatics C10-C12	NA	-	1
Aliphatics C12-C16	NA	-	1
Aromatics C12-C16	NA	-	1
Aromatics C16-C21	NA	-	1
Aromatics C21-C35	NA	-	1

If more than one constituent is present in soil that elicits noncarcinogenic effects on the same target organ/system, adjust the RECAP standard to account for additivity according to the guidelines presented in Section 2.14 of the RECAP guidelines.

Additive effects are not considered for carcinogens.

Additivity is NOT taken into account for RECAP standards that are based on MCL, LAC 33:IX Drinking Water, or LAC 33:IX Non-Drinking Water.

TABLE B-7C
ADDITIVITY
AOI NO. 4 - INDUSTRIAL SOIL BES

Constituents of Concern	CAS No.	Additive Effects		Additive Effects	
		Soil	Groundwater	Soil BES	Groundwater BES
Aliphatics >C10-C12	NA	4	-	-	-
Aliphatics >C12-C16	NA	4	-	-	-
Aliphatics >C16-C35	NA	3	-	-	-
Aromatics >C10-C12	NA	3	-	-	-
Aromatics >C12-C16	NA	3	-	-	-
Aromatics >C16-C21	NA	1	-	-	-
Aromatics >C21-C35	NA	1	-	-	-
Acenaphthene	83-32-9	4	-	2	-
Acenaphthylene	208-96-8	1	-	2	-
Anthracene	120-12-7	1	-	2	-
Benzo(a)anthracene	56-55-3	1	-	-	-
Benzo(a)pyrene	50-32-8	1	-	-	-
Benzo(b)fluoranthene	205-99-2	1	-	-	-
Benzo(k)fluoranthene	207-08-9	1	-	-	-
Chrysene	218-01-9	1	-	-	-
Dibenz(a,h)anthracene	53-70-3	1	-	-	-
Fluoranthene	206-44-0	4	-	-	-
Fluorene	86-73-7	2	-	2	-
Indeno(1,2,3-cd)pyrene	193-39-5	1	-	-	-
2-Methylnaphthalene	91-57-6	3	-	4	-
Naphthalene	91-20-3	3	-	4	-
Phenanthrene	85-01-8	1	-	2	-
Pyrene	129-00-0	3	-	2	-

If more than one constituent is present in soil that elicits noncarcinogenic effects on the same target organ/system, adjust the RECAP standard to account for additivity according to the guidelines presented in Section 2.14 of the RECAP guidelines.

Additive effects are not considered for carcinogens.

Additivity is NOT taken into account for RECAP standards that are based on MCL, LAC 33:IX Drinking Water, or LAC 33:IX Non-Drinking Water.

TABLE B-7D
ADDITIVITY
AOI NO. 5 - GROUNDWATER BES

Constituents of Concern	CAS No.	Additive Effects		Additive Effects	
		Soil	Groundwater	Soil BES	Groundwater BES
Aliphatics >C10-C12	NA	-	4	-	-
Aliphatics >C12-C16	NA	-	4	-	-
Aliphatics >C16-C35	NA	-	3	-	-
Aromatics >C10-C12	NA	-	3	-	-
Aromatics >C12-C16	NA	-	3	-	-
Aromatics >C16-C21	NA	-	1	-	-
Aromatics >C21-C35	NA	-	1	-	-
Acenaphthene	83-32-9	-	4	-	1
Acenaphthylene	208-96-8	-	1	-	1
Anthracene	120-12-7	-	1	-	1
Benzo(a)anthracene	56-55-3	-	1	-	-
Benzo(a)pyrene	50-32-8	-	1	-	-
Benzo(b)fluoranthene	205-99-2	-	1	-	-
Benzo(k)fluoranthene	207-08-9	-	1	-	-
Chrysene	218-01-9	-	1	-	-
Dibenz(a,h)anthracene	53-70-3	-	1	-	-
Fluoranthene	206-44-0	-	4	-	-
Fluorene	86-73-7	-	2	-	1
Indeno(1,2,3-cd)pyrene	193-39-5	-	1	-	-
2-Methylnaphthalene	91-57-6	-	3	-	2
Naphthalene	91-20-3	-	3	-	2
Phenanthrene	85-01-8	-	1	-	1
Pyrene	129-00-0	-	3	-	1

If more than one constituent is present in soil that elicits noncarcinogenic effects on the same target organ/system, adjust the RECAP standard to account for additivity according to the guidelines presented in Section 2.14 of the RECAP guidelines.

Additive effects are not considered for carcinogens.

Additivity is NOT taken into account for RECAP standards that are based on MCL, LAC 33:IX Drinking Water, or LAC 33:IX Non-Drinking Water.

TABLE B-8
RECAP SUMMARY TABLE

Medium	Boring (depth, ft)	Parameters											
		Aliphatics C10-C12	Aliphatics C12-C16	Aliphatics C16-C35	Aromatics C10-C12	Aromatics C12-C16	Aromatics C16-C21	Aromatics C21-C35	Acenaphthene	Acenap-hthylene	Anthracene	Benz(a)-anthracene	Benzo(a)-pyrene
AOI No. 5 - Groundwater BES													
Groundwater Limiting RS (mg/L):		349	82	1,913	1,913	1,913	1,913	1,913	4.2	16	0.043	0.0078	0.0016
Groundwater	SB-7/TW-7	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
Groundwater	MW-1	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

Medium	Boring (depth, ft)	Parameters										
		Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	2-Methylnap-hthalene	Naphthalene	Phenanthrene	Pyrene
AOI No. 5 - Groundwater BES												
Groundwater Limiting RS (mg/L):		0.0048	0.0025	0.0016	0.0025	0.21	2	0.0037	25	12	1.2	0.14
Groundwater	SB-7/TW-7	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
Groundwater	MW-1	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**

mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
-- = Constituent Concentration does not exceed limiting RS.
Note: Bold sample concentrations are those that exceed the LRS.

APPENDIX C – BORING LOGS

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-1/TW-1/MW-1

Boring Information:

Date / Time / Logged By:	4/3/14 / 0855 / AB
Drilling Company:	Crescent Geotechnical Svc. & QRI
Drilling Method:	DPT
Total Boring Depth:	24'
Initial Saturation (ft)/Date:	19'
Static GW level (ft)/Date:	11.69 / 4/11/14
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

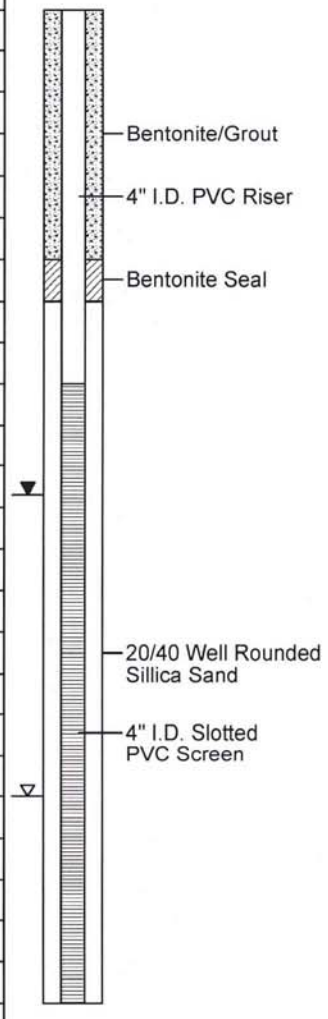
Well Information:

Well Type:	Type II
Well Purpose:	Monitoring
Well Construction Date:	4/9/14
Total Well Depth:	24'
Screened Interval:	9'-24'
Development Method:	Peristaltic Pump
Gallons Purged:	NM

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0					Light brown Silty Clay, dry	1		<1
						2		<1
5						3		<1
					Light brown Clay, dry, slight hydrocarbon odor	4		<1
10		CL	▼			5		7
					..., moderate hydrocarbon odor	6		10
						7		23
15					Light brown Silty Clay, red diesel fuel observed	8		62
			▽			9		94*
20					Light brown Silty Clay, wet, slight hydrocarbon odor	10		42
						11		14*
25					..., miost, slight hydrocarbon odor			
					End of boring at 24 feet			

Well Schematic: MW-1



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB1 - TW1 - MW1.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-2/TW-2

Boring Information:

Date / Time / Logged By:	4/3/14 / 1030 / AB
Drilling Company:	Crescent Geotechnical Services
Drilling Method:	DPT
Total Boring Depth:	24'
Initial Saturation (ft)/Date:	19'
Static GW level (ft)/Date:	11.20'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

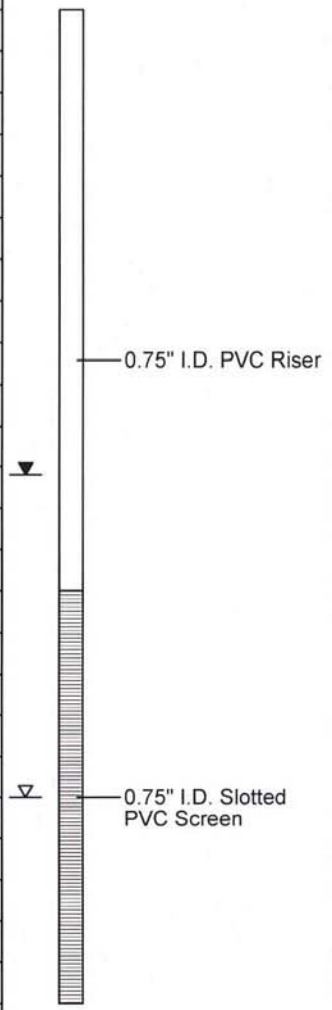
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/3/14
Total Well Depth:	24'
Screened Interval:	14'-24'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0					Gray-brown Silty Clay, dry	1		<1
					Brown Silty Clay, dry	2		<1
5					Light brown Silty Clay, dry	3		<1
					Brown Silty Clay with brown Sand and gravel layer from 8 to 8.5 feet, dry	4		<1
					Brown Clay, dry	5		2
10		CL	▼		..., sight hydrocarbon odor	6		<1
					Light brown-gray Silty Clay with brown Sand and gravel layer from 13 to 13.5 feet, dry, strong hydrocarbon odor	7		9
15					Light brown-gray Silty Clay, dry, strong hydrocarbon odor	8		6
			▽		..., sheen on soil	9		28*
20					Light brown Silty Clay, wet, light sheen observed	10		16
		ML			Light brown Clayey Silty, moist, slight hydrocarbon odor	11		6*
25					End of boring at 24 feet			

Well Schematic: TW-2



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB2 - TW2.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-3/TW-3

Boring Information:

Date / Time / Logged By:	4/3/14 / 1235 / AB
Drilling Company:	Crescent Geotechnical Services
Drilling Method:	DPT
Total Boring Depth:	24'
Initial Saturation (ft)/Date:	19'
Static GW level (ft)/Date:	11.22'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

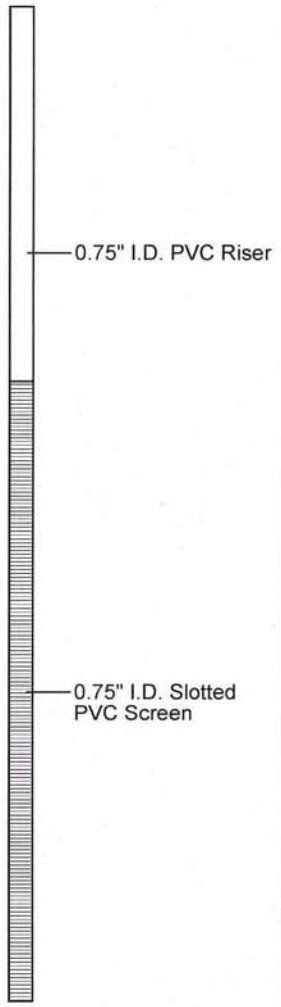
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/3/14
Total Well Depth:	24'
Screened Interval:	9'-24'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0		CL	▼		Light brown Clay, dry	1		<1
					Brown-gray Silty Clay with brown Sand and gravel layer from 3 to 3.5 feet, dry	2		<1
5					Brown-gray Silty Clay to brown Clay, dry	3		<1
					Brown Clay with brown Sand and gravel layer from 7 to 7.5 feet, dry	4		<1
10					Brown Clay, dry, slight hydrocarbon odor	5		1
						6		1
					Light brown Silty Clay with orange streaks, dry, moderate hydrocarbon odor	7		6*
15					No recovery	8		NA
		CL	▽		Light brown Silty Clay with orange streaks, wet, slight hydrocarbon odor	9		3
20						10		3
		ML			Light brown Clayey Silt with orange streaks, moist, slight hydrocarbon odor	11		1*
25					End of boring at 24 feet			

Well Schematic: TW-3



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured
NA - Not applicable

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB3 - TW3.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-4/TW-4

Boring Information:

Date / Time / Logged By:	4/3/14 / 1430 / AB
Drilling Company:	Crescent Geotechnical Services
Drilling Method:	DPT
Total Boring Depth:	29'
Initial Saturation (ft)/Date:	NA
Static GW level (ft)/Date:	15.75'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

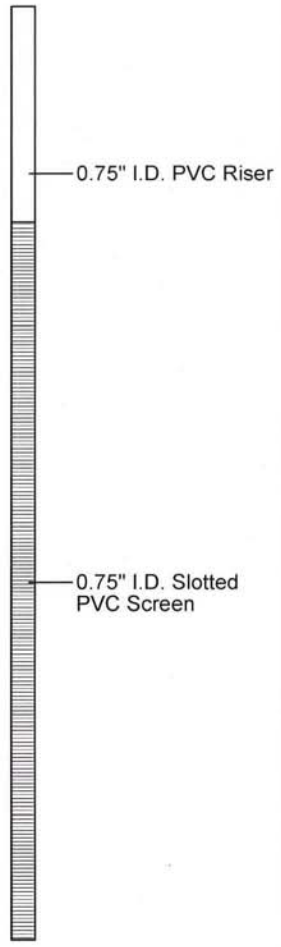
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/3/14
Total Well Depth:	26'
Screened Interval:	6'-26'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0					Brown Clay, dry	1		<1
					Brown Silty Clay, dry	2		<1
5						3		<1
					Brown Clay with brown Sand and gravel layer from 8 to 8.5 feet, dry	4		<1
10					Brown Clay, dry	5		<1
						6		<1
					..., slight hydrocarbon odor	7		1
15		CL	▼		Light brown Slity Clay, dry, slight hydrocarbon odor	8		1
						9		1*
20						10		1
					Light brown Clay, dry	11		<1
25					Light brown Silty Clay, dry	12		1
					Light brown Clay, dry	13		<1*
30					End of boring at 29 feet			

Well Schematic: TW-4



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured
NA - Not applicable

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB4 - TW4.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-5/TW-5

Boring Information:

Date / Time / Logged By:	4/3/14 / 1635 / AB
Drilling Company:	Crescent Geotechnical Services
Drilling Method:	DPT
Total Boring Depth:	20'
Initial Saturation (ft)/Date:	12'
Static GW level (ft)/Date:	8.25'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

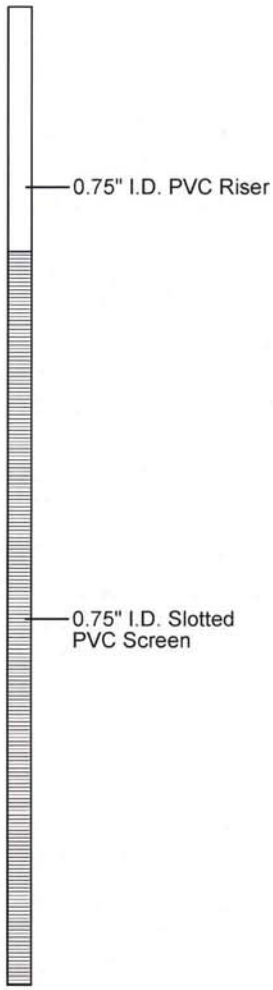
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/3/14
Total Well Depth:	20'
Screened Interval:	5'-20'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0		SP			Brown Sand with gray Clay, dry	1		1
		SP/CL			Gray Sand, dry	2		<1
5					Brown Silty Clay, dry			
					Brown Silty Clay, dry	3		<1
		CL	▼		Brown Clay, dry	4		<1
10						5		<1
			▽		Brown Sand with gravel, wet	6		<1*
		SP				7		<1
15						8		<1
		CL			Brown Silty Clay, wet	9		1*
20					End of boring at 20 feet			

Well Schematic: TW-5



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB5 - TW5.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-6/TW-6

Boring Information:

Date / Time / Logged By:	4/9/14 / 0940 / AB
Drilling Company:	QRI
Drilling Method:	DPT
Total Boring Depth:	30'
Initial Saturation (ft)/Date:	NA
Static GW level (ft)/Date:	24.89'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

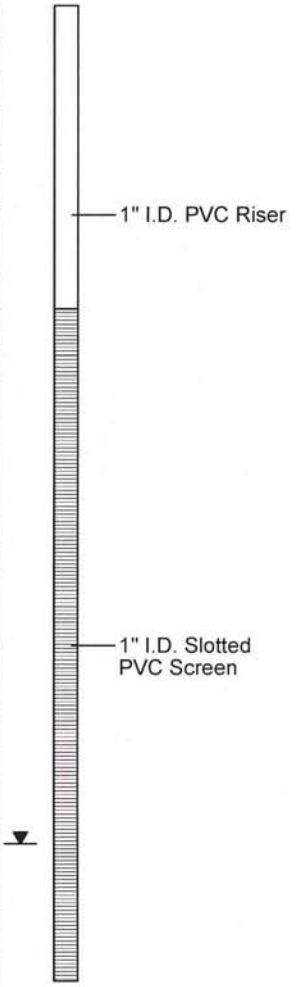
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/9/14
Total Well Depth:	29'
Screened Interval:	9'-29'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0		CL	▼		Brown Silty Clay, dry	1		<1
						2		2
5						3		2
					..., with red streaks	4		3
10					Brown Clay with red streaks, dry, slight hydrocarbon odor	5		7
						6		296*
					Brown-gray Silty Clay, dry, hydrocarbon odor, sheen observed on soil	7		274
15						8		177
					..., moist			
					Brown-gray Silty Clay, dry, moderate hydrocarbon odor	9		54
20						10		22
					Brown-gray Clay, dry, slight hydrocarbon odor			
					Brown-gray Clay, dry	11		6
25						12		45
		ML			Brown-gray Clayey Silt, moist	13		13*
30					End of boring at 30 feet			

Well Schematic: TW-6



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured
NA - Not applicable

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB6 - TW6.bor

PPM CONSULTANTS

Client:	Beau Box Property Management
Site:	Louisiana Retirement Systems Building Partnership
Location:	8401 United Plaza Blvd., Baton Rouge, LA
Agency Interest No.:	79956
PPM Project No.:	503124
Project Type:	LSI

LOG OF BORING SB-7/TW-7

Boring Information:

Date / Time / Logged By:	4/9/14 / 1330 / AB
Drilling Company:	QRI
Drilling Method:	DPT
Total Boring Depth:	30'
Initial Saturation (ft)/Date:	NA
Static GW level (ft)/Date:	13.95'
Surface Elevation (ft):	NM
Sampling Interval:	2'-3'

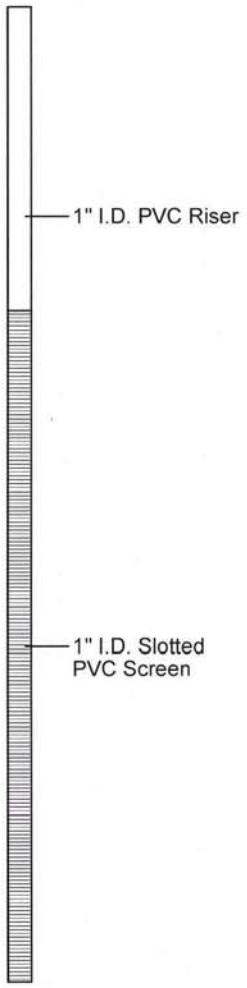
Well Information:

Well Type:	Type I
Well Purpose:	Sampling
Well Construction Date:	4/9/14
Total Well Depth:	29'
Screened Interval:	9'-29'
Development Method:	Peristaltic Pump
Gallons Purged:	1

Water Levels
▼ Static GW level
▽ Initial Saturation

Depth in Feet	Surf. Elev.	USCS Symbol	Water Level	Graphic	DESCRIPTION	Sample No./Interval	Percent Recovery	Headspace Concentration (ppm)
0					Brown Silty Clay, dry	1		2
					Brown Clay, dry	2		11
5					Brown-gray Silty Clay, dry	3		20
					Brown-gray Clay with red streaks, dry	4		35
10					Brown Clay with red streaks, dry, moderate hydrocarbon odor	5		254
						6		566*
		CL	▼		Brown-gray Silty Clay, strong hydrocarbon odor, sheen observed on soil	7		527
15					Brown-gray Silty Clay, dry, slight hydrocarbon odor	8		56
						9		19
20					Brown-gray Clay, dry, slight htdrocarbon odor	10		8
					Brown-gray Clay, dry	11		6
25					Brown Silty Clay, moist	12		17
		ML			Brown-gray Clayey Silt, moist	13		5*
30					End of boring at 30 feet			

Well Schematic: TW-7



NOTES:
* Indicates sample submitted for laboratory analysis
NM - Not measured
NA - Not applicable

02-18-2015 \\Ppmbr2\ppm_projects\Beau Box Investments\503124 - LA Retirement Systems\LSI 2014\Boring Logs\SB7 - TW7.bor

APPENDIX D – DNR WATER WELL SURVEY

Water Wells By LATITUDE / LONGITUDE Report

Latitude	Longitude	Radius Ft	MSG
30.412777778	-91.096944444	5280	Found 58 records

Well Distance Ft	SECTION	TOWNSHIP	RANGE	PARISH_NAME	PARISH_NUM	LOCAL_WELL_NUM	WELL_USE	DESCRIPTION	WELL_STATUS	OWNERS_NUM	OWNERS_NAME	DRILLERS_NAME	WELL_DEPTH	CASING_DIAMETER	DATE_COMPLETED	WATER_LEVEL	DATE_MEASURED	GEOLOGIC_UNIT	LATITUDE	LONGITUDE
0	040	07S	01E	EAST BATON ROUGE	033	9891Z	W	Piezometer	Active	TW-6	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	29	1	5/12/14	25		112SESC	302446	910549
0	040	07S	01E	EAST BATON ROUGE	033	9893Z	M	Monitor	Active	MW-1	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	24	4	5/12/14	11.5	5-12-14	112MRVA	302446	910549
0	040	07S	01E	EAST BATON ROUGE	033	9892Z	W	Piezometer	Active	TW-7	BEAU BOX PROPERTY MANAGEMENT, LLC	QUATERNARY RESOURCE INVESTIGATIONS, LLC	29	1	5/12/14	14	5-12-14	112SESC	302446	910549
1229.3	040	07S	01E	EAST BATON ROUGE	033	144	H	Domestic	Destroyed		WILLIAMS, L R	SUMMERS, D. K.	620	2	09/36	29.25	09/11/36	11204BR	302435	910555
2427.04	040	07S	01E	EAST BATON ROUGE	033	226	H	Domestic	Destroyed		LEONARD, H	EBERHART	1275	4X2.50	01/27	41.00	00/00/27	12112BR	302509	910557
2520.5	039	07S	01E	EAST BATON ROUGE	033	1278	O	Observation	Active		CAPITAL AREA GW	LAMBERT'S	550	2	06/97	37.00	06/11/97	11204BR	302501	910526
2533.24	039	07S	01E	EAST BATON ROUGE	033	621	P	Public Supply	Active	WESTMR	BATON ROUGE WW	EBERHART	1487	12X8	12/56	10.42	01/04/57	12112BR	302500	910525
2541.46	039	07S	01E	EAST BATON ROUGE	033	5349Z	L	Heat Pump	Active		MCELVEEN, JOY	ROUYEA'S	300		11/85	0.00		11200NWM	302445	910520
2598.46	039	07S	01E	EAST BATON ROUGE	033	6041Z	M	Monitor	Active	MW-2	SOUTHLAND CORP	IT CORPORATION	12	4	08/88	2.00	09/28/88	112SESC	302505	910529
2598.46	039	07S	01E	EAST BATON ROUGE	033	6040Z	M	Monitor	Active	MW-1	SOUTHLAND CORP	IT CORPORATION	10	4	08/88	3.00	09/28/88	112SESC	302505	910529
2598.51	041	07S	01E	EAST BATON ROUGE	033	5728Z	M	Monitor	Plugged and Abandoned		KELLER OIL	SUBSURFACE	11	4	07/88	0.00		112SESC	302427	910609
2696.26	041	07S	01E	EAST BATON ROUGE	033	5727Z	M	Monitor	Plugged and Abandoned		KELLER OIL	SUBSURFACE	26	4	07/88	21.00	07/07/88	112SESC	302425	910608
2704.59	024	07S	01E	EAST BATON ROUGE	033	8751Z	M	Monitor	Active	PH1-22	BATON ROUGE, LA	PROFESSIONAL	85	2	09/03	9.50	09/12/03	112PLSC	302459	910616
2740.49	040	07S	01E	EAST BATON ROUGE	033	265	P	Public Supply	Destroyed	1	BR COUNTRY CLUB	EBERHART	1191	4	04/16	47.00	04/22/16	12112BR	302513	910552
2740.49	040	07S	01E	EAST BATON ROUGE	033	445	I	Irrigation	Plugged and Abandoned	2	BR COUNTRY CLUB	CLEMARD	518	8X6X6	01/47	12.11	01/17/47	11204BR	302513	910552
2845.3	041	07S	01E	EAST BATON ROUGE	033	224	H	Domestic	Destroyed		MURPHY, A	SUMMERS, D. K.	638	2X1.50	1936	26.70	08/01/40	11204BR	302422	910606
2862.59	100	07S	01E	EAST BATON ROUGE	033	1136	I	Irrigation	Active	4	BR COUNTRY CLUB	EBERHART	1405	8X6	09/54	101.00	05/25/77	12112BR	302514	910554
2931.25	040	07S	01E	EAST BATON ROUGE	033	227	H	Domestic	Destroyed		KEAN, J	EBERHART	1300	4	1917	0.00		12112BR	302515	910550
2940.72	041	07S	01E	EAST BATON ROUGE	033	8931Z	M	Monitor	Plugged and Abandoned	MW-3	EXXON MOBIL	CRA, INC.	12	2	03/05	2.80	04/04/05	112SESC	302422	910608
2940.72	041	07S	01E	EAST BATON ROUGE	033	8929Z	M	Monitor	Plugged and Abandoned	MW-1	EXXON MOBIL	CRA, INC.	19	2	03/05	0.92	04/04/05	112SESC	302422	910608
2940.72	041	07S	01E	EAST BATON ROUGE	033	8930Z	M	Monitor	Plugged and Abandoned	MW-2	EXXON MOBIL	CRA, INC.	12	2	03/05	0.83	04/04/05	112SESC	302422	910608
2979.22	041	07S	01E	EAST BATON ROUGE	033	8984Z	I	Irrigation	Active		LSU BURDEN CENT	GILL (JACK)	170	2	06/06	35.00	06/20/06	00000000	302426	910614
3094.65	039	07S	01E	EAST BATON ROUGE	033	5919Z	M	Monitor	Plugged and Abandoned	MW-5	EXXON CO USA	ATEC	30	4	01/92	13.80	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5917Z	M	Monitor	Plugged and Abandoned	MW-3	EXXON CO USA	ATEC	20	4	01/92	7.40	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5916Z	M	Monitor	Plugged and Abandoned	MW-2	EXXON CO USA	ATEC	30	4	01/92	11.50	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5918Z	M	Monitor	Plugged and Abandoned	MW-4	EXXON CO USA	ATEC	30	4	01/92	11.70	01/26/92	112SESC	302459	910517
3094.65	039	07S	01E	EAST BATON ROUGE	033	5915Z	M	Monitor	Plugged and Abandoned	MW-1	EXXON CO USA	ATEC	30	4	01/92	11.80	01/26/92	112SESC	302459	910517
3096.87	039	07S	01E	EAST BATON ROUGE	033	145	H	Domestic	Plugged and Abandoned		WEBB, FLETCHER	SUMMERS, D. K.	1210	2X1.50	02/34	25.00	02/01/34	12112BR	302510	910527

3143	040	07S	01E	EAST BATON ROUGE	033	8003Z	B	Borehole/Pilot Hole	Plugged and Abandoned	TEST HOLE	BR COUNTRY CLUB	LAYNE (BR)	210		02/98	0.00		11200NWM	302517	910552
3655.98	052	07S	01E	EAST BATON ROUGE	033	815	O	Observation	Active		LSU BATON ROUGE	SUMMERS BROS	645	8	05/67	13.30	05/11/67	11204BR	302425	910623
3774.94	055	07S	01E	EAST BATON ROUGE	033	8917Z	W	Piezometer	Active	T04-25P	URS CORPORATION	CAPOZZOLI	30	2	02/05	16.00	02/21/05	112SESC	302409	910555
3920.61	100	07S	01E	EAST BATON ROUGE	033	267	H	Domestic	Destroyed		DUCOTE, E	UNKNOWN	490	2.50		0.00		11204BR	302514	910518
4524.08	039	07S	01E	EAST BATON ROUGE	033	271	H	Domestic	Active		BOND, C W	SINGLETARY	650	2.50	1919	0.00		11206BR	302508	910504
4797.17	059	07S	01E	EAST BATON ROUGE	033	272	H	Domestic	Destroyed		FONTENOT ETAL	UNKNOWN	530	2.50	1940	0.00		11204BR	302454	910455
4862.19	062	07S	01E	EAST BATON ROUGE	033	1259	I	Irrigation	Active	5	BR COUNTRY CLUB	LAYNE (BR)	515	16X10	03/94	41.00	03/31/94	11204BR	302534	910545
4862.19	062	07S	01E	EAST BATON ROUGE	033	816	I	Irrigation	Plugged and Abandoned	3	BR COUNTRY CLUB	EBERHART	520	12X9X9	10/63	41.68	02/08/67	11204BR	302534	910545
4952.63	053	07S	01E	EAST BATON ROUGE	033	7471Z	M	Monitor	Plugged and Abandoned	MW-2	CHEVRON	UNKNOWN	13	4	03/90	8.85	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7470Z	M	Monitor	Plugged and Abandoned	MW-1	CHEVRON	UNKNOWN	12	4	03/90	9.15	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7473Z	M	Monitor	Plugged and Abandoned	MW-4	CHEVRON	UNKNOWN	13	4	03/90	3.51	11/02/94	112SESC	302405	910620
4952.63	053	07S	01E	EAST BATON ROUGE	033	7472Z	M	Monitor	Plugged and Abandoned	MW-3	CHEVRON	UNKNOWN	13	4	03/90	7.00	11/02/94	112SESC	302405	910620
5016.81	085	01S	06W	EAST BATON ROUGE	033	9354Z	H	Domestic	Plugged and Abandoned		WASHANER, WOLFE		50	2		0.00		00000000	302451	910452
5163.53	083	07S	01E	EAST BATON ROUGE	033	8054Z	W	Piezometer	Plugged and Abandoned	PZ-15	WHITNEY BANK	CRA, INC.	102	4	06/98	13.23	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	7977Z	W	Piezometer	Plugged and Abandoned	PZ-2	WHITNEY BANK	G & E	36	2	12/97	7.79	02/07/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	7978Z	W	Piezometer	Plugged and Abandoned	PZ-3	WHITNEY BANK	G & E	31	2	12/97	7.23	02/07/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8052Z	W	Piezometer	Plugged and Abandoned	PZ-13	WHITNEY BANK	CRA, INC.	56	2	06/98	9.59	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8055Z	W	Piezometer	Plugged and Abandoned	PZ-16	WHITNEY BANK	CRA, INC.	162	2	07/98	13.76	07/17/98	112SESC	302530	910619
5163.53	083	07S	01E	EAST BATON ROUGE	033	8053Z	W	Piezometer	Plugged and Abandoned	PZ-14	WHITNEY BANK	CRA, INC.	75	4	06/98	11.96	07/17/98	112SESC	302530	910619
5178.3	055	07S	01E	EAST BATON ROUGE	033	8916Z	W	Piezometer	Active	T04-24P	URS CORPORATION	CAPOZZOLI	41	2	02/05	4.00	02/24/05	112PLSC	302356	910602
5208.62	083	07S	01E	EAST BATON ROUGE	033	8046Z	W	Piezometer	Plugged and Abandoned	PZ-7	WHITNEY BANK	CRA, INC.	36	2	06/98	10.58	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8048Z	W	Piezometer	Plugged and Abandoned	PZ-9	WHITNEY BANK	CRA, INC.	36	2	06/98	10.36	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8050Z	W	Piezometer	Plugged and Abandoned	PZ-11	WHITNEY BANK	CRA, INC.	56	2	06/98	9.87	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8051Z	W	Piezometer	Destroyed	PZ-12	WHITNEY BANK	CRA, INC.	55	2	06/98	10.19	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8044Z	W	Piezometer	Destroyed	PZ-5	WHITNEY BANK	CRA, INC.	38	2	06/98	10.68	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8047Z	W	Piezometer	Plugged and Abandoned	PZ-8	WHITNEY BANK	CRA, INC.	36	2	06/98	9.96	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8049Z	W	Piezometer	Plugged and Abandoned	PZ-10	WHITNEY BANK	CRA, INC.	36	2	06/98	10.36	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	8045Z	W	Piezometer	Plugged and Abandoned	PZ-6	WHITNEY BANK	CRA, INC.	36	2	06/98	10.13	07/17/98	112SESC	302530	910620
5208.62	083	07S	01E	EAST BATON ROUGE	033	7976Z	W	Piezometer	Plugged and Abandoned	PZ-1	WHITNEY BANK	G & E	34	2	12/97	6.84	02/07/98	112SESC	302530	910620
5254.79	083	07S	01E	EAST BATON ROUGE	033	8043Z	W	Piezometer	Destroyed	PZ-4	WHITNEY BANK	CRA, INC.	35	2	06/98	10.78	07/17/98	112SESC	302530	910621

APPENDIX E – LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0041523

Report To:		Project Name:	503124 LSI
PPM CONSULTANTS, INC.		Site:	LA RETIREMENT SYSTEMS
PETER SMITH		Site Address:	
7936 OFFICE PARK BLVD STE. A			
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70809-		State Cert. No.:	02048
ph: (225) 293-7270	fax: (225) 293-7271	Date Reported:	4/22/2014

NOTE: Method EPH: Samples SB-1(17-19) and SB-3(13-15) were analyzed outside of the recommended 14 day holding time. Client requested EPH analyses on 4/18/14.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

This report may contain data results from tests performed in the field by non-laboratory personnel. Such data will be indicated within the report using the method code, FIELD, and analyst initials of FT indicating results obtained by a field technician.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Accutest Gulf Coast is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Rebecca Hebert — 4/22/2014

Rebecca Hebert, Project Manager — Date

Test results meet all requirements of NELAC, unless specified in the narrative.

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0041523

Report To: PPM CONSULTANTS, INC.
PETER SMITH
7936 OFFICE PARK BLVD STE. A

BATON ROUGE
LA
70809-
ph: (225) 293-7270 fax: (225) 293-7271

Fax To:

Project Name: 503124 LSI
Site: LA RETIREMENT SYSTEMS
Site Address:

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 4/22/2014

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SB-1 (17-19)	L0041523-01	Soil	04/03/2014 10:18	4/4/2014 3:55:00 PM		☐
SB-1 (21-24)	L0041523-02	Soil	04/03/2014 10:22	4/4/2014 3:55:00 PM		☐
SB-2 (17-19)	L0041523-03	Soil	04/03/2014 11:42	4/4/2014 3:55:00 PM		☐
SB-2 (21-24)	L0041523-04	Soil	04/03/2014 11:45	4/4/2014 3:55:00 PM		☐
SB-3 (13-15)	L0041523-05	Soil	04/03/2014 13:45	4/4/2014 3:55:00 PM		☐
SB-3 (21-24)	L0041523-06	Soil	04/03/2014 13:50	4/4/2014 3:55:00 PM		☐
SB-4 (17-19)	L0041523-07	Soil	04/03/2014 16:20	4/4/2014 3:55:00 PM		☐
SB-4 (26-29)	L0041523-08	Soil	04/03/2014 16:25	4/4/2014 3:55:00 PM		☐
SB-5 (11-13)	L0041523-09	Soil	04/03/2014 17:20	4/4/2014 3:55:00 PM		☐
SB-5 (17-20)	L0041523-10	Soil	04/03/2014 17:25	4/4/2014 3:55:00 PM		☐
SB-2/TW-2	L0041523-11	Water	04/04/2014 9:10	4/4/2014 3:55:00 PM		☐
SB-3/TW-3	L0041523-12	Water	04/04/2014 9:25	4/4/2014 3:55:00 PM		☐
SB-4/TW-4	L0041523-13	Water	04/04/2014 10:50	4/4/2014 3:55:00 PM		☐
SB-5/TW-5	L0041523-14	Water	04/04/2014 10:30	4/4/2014 3:55:00 PM		☐
TCLP-1	L0041523-15	Soil	04/03/2014 17:20	4/4/2014 3:55:00 PM		☐

Rebecca Hebert
Project Manager

4/22/2014
Date

Ron Benjamin
Laboratory Director

Karen Rodrigue-Varnado
Quality Assurance Officer

Version 2.1 - Modified February 11, 2011

4/22/2014 2:56:36 PM

Date: Tuesday, April 22, 2014

*****CHRONOLOGY REPORT*****

Workorder	Sample_ID	Matrix	Collected	Received	Analyzed	Test Name	Method
L0041523	L0041523-01A	Soil	4/3/2014 10:18:00 A	4/4/2014 3:55:00 PM			
					4/8/2014 2:00:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 2:24:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 2:48:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 3:11:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 5:10:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 5:30:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 5:49:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 6:47:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 7:07:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 7:26:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 7:45:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 8:05:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/8/2014 11:18:55 PM	Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH
					4/9/2014 9:25:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/9/2014 9:45:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/9/2014 7:31:25 PM	TCLP Purgeable Aromatics (Benzene)	SW8021B
					4/21/2014 6:19:53 PM	Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH
					4/21/2014 6:49:06 PM	Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Tuesday, April 22, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124 LSI

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041523-01A	Soil	SB-1 (17-19)	4/3/2014 10:18:00 AM	C10-C12 Aliphatics	380	1.7 mg/Kg	MA_VPH_EPH
				C10-C12 Aromatics	7.8	1.7 mg/Kg	MA_VPH_EPH
				C12-C16 Aliphatics	1300	3.3 mg/Kg	MA_VPH_EPH
				C12-C16 Aromatics	240	5 mg/Kg	MA_VPH_EPH
				C16-C21 Aromatics	460	8.3 mg/Kg	MA_VPH_EPH
				C16-C35 Aliphatics	1300	10 mg/Kg	MA_VPH_EPH
				C21-C35 Aromatics	80	10 mg/Kg	MA_VPH_EPH
				Diesel Range Organics (C10-C28)	5200	50 mg/Kg	SW8015C
L0041523-02A	Soil	SB-1 (21-24)	4/3/2014 10:22:00 AM	Diesel Range Organics (C10-C28)	1800	50 mg/Kg	SW8015C
L0041523-03A	Soil	SB-2 (17-19)	4/3/2014 11:42:00 AM	Diesel Range Organics (C10-C28)	500	5 mg/Kg	SW8015C
L0041523-04A	Soil	SB-2 (21-24)	4/3/2014 11:45:00 AM	Diesel Range Organics (C10-C28)	70	5 mg/Kg	SW8015C
L0041523-05A	Soil	SB-3 (13-15)	4/3/2014 1:45:00 PM	C10-C12 Aliphatics	6.7	1.7 mg/Kg	MA_VPH_EPH
				C10-C12 Aromatics	ND	1.7 mg/Kg	MA_VPH_EPH
				C12-C16 Aliphatics	35	3.3 mg/Kg	MA_VPH_EPH
				C12-C16 Aromatics	7.7	5 mg/Kg	MA_VPH_EPH
				C16-C21 Aromatics	14	8.3 mg/Kg	MA_VPH_EPH
				C16-C35 Aliphatics	39	10 mg/Kg	MA_VPH_EPH
				C21-C35 Aromatics	ND	10 mg/Kg	MA_VPH_EPH
				Diesel Range Organics (C10-C28)	66	5 mg/Kg	SW8015C
L0041523-06A	Soil	SB-3 (21-24)	4/3/2014 1:50:00 PM	Diesel Range Organics (C10-C28)	ND	5 mg/Kg	SW8015C
L0041523-07A	Soil	SB-4 (17-19)	4/3/2014 4:20:00 PM	Diesel Range Organics (C10-C28)	14	5 mg/Kg	SW8015C
L0041523-08A	Soil	SB-4 (26-29)	4/3/2014 4:25:00 PM	Diesel Range Organics (C10-C28)	ND	5 mg/Kg	SW8015C
L0041523-09A	Soil	SB-5 (11-13)	4/3/2014 5:20:00 PM	Diesel Range Organics (C10-C28)	ND	5 mg/Kg	SW8015C
L0041523-10A	Soil	SB-5 (17-20)	4/3/2014 5:25:00 PM	Diesel Range Organics (C10-C28)	62	5 mg/Kg	SW8015C
L0041523-11A	Water	SB-2/TW-2	4/4/2014 9:10:00 AM	Diesel Range Organics (C10-C28)	4.2	0.15 mg/L	SW8015C
L0041523-12A	Water	SB-3/TW-3	4/4/2014 9:25:00 AM	Diesel Range Organics (C10-C28)	0.51	0.15 mg/L	SW8015C
L0041523-13A	Water	SB-4/TW-4	4/4/2014 10:50:00 AM	Diesel Range Organics (C10-C28)	8.4	0.15 mg/L	SW8015C

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Tuesday, April 22, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124 LSI

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041523-13C	Water	SB-4/TW-4	4/4/2014 10:50:00 AM	C10-C12 Aliphatics	0.19	0.1 mg/L	MA_VPH_EPH
				C10-C12 Aromatics	ND	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aliphatics	0.24	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aromatics	0.29	0.1 mg/L	MA_VPH_EPH
				C16-C21 Aromatics	0.18	0.1 mg/L	MA_VPH_EPH
				C16-C35 Aliphatics	0.35	0.1 mg/L	MA_VPH_EPH
				C21-C35 Aromatics	0.26	0.1 mg/L	MA_VPH_EPH
L0041523-14A	Water	SB-5/TW-5	4/4/2014 10:30:00 AM	Diesel Range Organics (C10-C28)	ND	0.15 mg/L	SW8015C
L0041523-15A	Soil	TCLP-1	4/3/2014 5:20:00 PM	Benzene	ND	0.01 mg/L	SW8021B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-1 (17-19) **Collected:** 04/03/2014 10:18 **Lab Sample ID:** L0041523-01

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP				**MCL**	**MA_VPH_EPH**	**Units: mg/Kg**		
C10-C12 Aliphatics	**380**	**>MCL**	**1.7**	**230**	**1**	**04/21/14 18:19**	**E_G**	**5502372**
C10-C12 Aromatics	7.8		1.7	100	1	04/21/14 18:19	E_G	5501984
C12-C16 Aliphatics	**1300**	**>MCL**	**3.3**	**370**	**1**	**04/21/14 18:19**	**E_G**	**5502372**
C12-C16 Aromatics	**240**	**>MCL**	**5**	**180**	**1**	**04/21/14 18:19**	**E_G**	**5501984**
C16-C21 Aromatics	**460**	**>MCL**	**8.3**	**180**	**1**	**04/21/14 18:19**	**E_G**	**5501984**
C16-C35 Aliphatics	1300		10	7100	1	04/21/14 18:19	E_G	5502372
C21-C35 Aromatics	80		10	180	1	04/21/14 18:19	E_G	5501984
Surr: 2-Fluorobiphenyl	112		% 40-140		1	04/21/14 18:19	E_G	5501984
Surr: Chloro-octadecane	51.9		% 40-140		1	04/21/14 18:19	E_G	5502372
Surr: o-Terphenyl	59.5		% 40-140		1	04/21/14 18:19	E_G	5501984

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/19/2014 9:34	DWB	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg		
Diesel Range Organics (C10-C28)	5200		50		10	04/09/14 9:25	JT1	5478467
Surr: o-Terphenyl	D		% 38-135		10	04/09/14 9:25	JT1	5478467

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:57:47 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-1 (21-24) **Collected:** 04/03/2014 10:22 **Lab Sample ID:** L0041523-02

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C			**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	1800		50	10	04/09/14 9:45	JT1	5478468
Surr: o-Terphenyl	D		% 38-135	10	04/09/14 9:45	JT1	5478468

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:57:49 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-2 (17-19) **Collected:** 04/03/2014 11:42 **Lab Sample ID:** L0041523-03

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	**500**	**>MCL**	**5**	**65**	**1**	**04/08/14 17:10**	**JT1**	**5478451**
Surr: o-Terphenyl	97.6		% 38-135		1	04/08/14 17:10	JT1	5478451

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:57:54 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-2 (21-24) **Collected:** 04/03/2014 11:45 **Lab Sample ID:** L0041523-04

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	**70**	**>MCL**		**5**	**65**	**1**	**04/08/14 17:30**	**JT1**	**5478452**
Surr: o-Terphenyl	84.7		%	38-135		1	04/08/14 17:30	JT1	5478452

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:57:58 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-3 (13-15) **Collected:** 04/03/2014 13:45 **Lab Sample ID:** L0041523-05

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP				**MCL**	**MA_VPH_EPH**	**Units: mg/Kg**		
C10-C12 Aliphatics	6.7		1.7	230	1	04/21/14 18:49	E_G	5502373
C10-C12 Aromatics	ND		1.7	100	1	04/21/14 18:49	E_G	5501985
C12-C16 Aliphatics	35		3.3	370	1	04/21/14 18:49	E_G	5502373
C12-C16 Aromatics	7.7		5	180	1	04/21/14 18:49	E_G	5501985
C16-C21 Aromatics	14		8.3	180	1	04/21/14 18:49	E_G	5501985
C16-C35 Aliphatics	39		10	7100	1	04/21/14 18:49	E_G	5502373
C21-C35 Aromatics	ND		10	180	1	04/21/14 18:49	E_G	5501985
Surr: 2-Fluorobiphenyl	78.5		% 40-140		1	04/21/14 18:49	E_G	5501985
Surr: Chloro-octadecane	75.5		% 40-140		1	04/21/14 18:49	E_G	5502373
Surr: o-Terphenyl	79.5		% 40-140		1	04/21/14 18:49	E_G	5501985

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/19/2014 9:34	DWB	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg		
Diesel Range Organics (C10-C28)	**66**	**>MCL**	**5**	**65**	**1**	**04/08/14 17:49**	**JT1**	**5478453**
Surr: o-Terphenyl	83.3		% 38-135		1	04/08/14 17:49	JT1	5478453

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:02 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-3 (21-24) **Collected:** 04/03/2014 13:50 **Lab Sample ID:** L0041523-06

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		5	65	1	04/08/14 18:47	JT1	5478456
Surr: o-Terphenyl	75.2		% 38-135		1	04/08/14 18:47	JT1	5478456

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:05 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-4 (17-19) **Collected:** 04/03/2014 16:20 **Lab Sample ID:** L0041523-07

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**		**SW8015C**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	14		5	65	1	04/08/14 19:07	JT1	5478457
Surr: o-Terphenyl	79.9		% 38-135		1	04/08/14 19:07	JT1	5478457

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:06 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-4 (26-29) **Collected:** 04/03/2014 16:25 **Lab Sample ID:** L0041523-08

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		5	65	1	04/08/14 19:26	JT1	5478458
Surr: o-Terphenyl	80.1		% 38-135		1	04/08/14 19:26	JT1	5478458

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:08 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-5 (11-13) **Collected:** 04/03/2014 17:20 **Lab Sample ID:** L0041523-09

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**		**SW8015C**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	ND			5	65	1	04/08/14 19:45	JT1	5478459
Surr: o-Terphenyl	79.1		%	38-135		1	04/08/14 19:45	JT1	5478459

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:10 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-5 (17-20) **Collected:** 04/03/2014 17:25 **Lab Sample ID:** L0041523-10

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	62		5	65	1	04/08/14 20:05	JT1	5478460
Surr: o-Terphenyl	78.3		% 38-135		1	04/08/14 20:05	JT1	5478460

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/08/2014 8:30	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:12 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-2/TW-2 **Collected:** 04/04/2014 9:10 **Lab Sample ID:** L0041523-11

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	**4.2**	**>MCL**		**0.15**	**0.15**	**1**	**04/08/14 14:00**	**E_G**	**5476901**
Surr: o-Terphenyl	77.6		%	47-125		1	04/08/14 14:00	E_G	5476901

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/08/2014 8:44	DWB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:14 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-3/TW-3 **Collected:** 04/04/2014 9:25 **Lab Sample ID:** L0041523-12

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	**0.51**	**>MCL**		**0.15**	**0.15**	**1**	**04/08/14 14:24**	**E_G**	**5476902**
Surr: o-Terphenyl	108		%	47-125		1	04/08/14 14:24	E_G	5476902

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/08/2014 8:44	DWB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:16 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-4/TW-4 **Collected:** 04/04/2014 10:50 **Lab Sample ID:** L0041523-13

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP					**MCL**	**MA_VPH_EPH**		**Units: mg/L**	
C10-C12 Aliphatics	**0.19**	**>MCL**		**0.1**	**0.15**	**1**	**04/08/14 23:18**	**DF**	**5478267**
C10-C12 Aromatics	ND			0.1	0.15	1	04/08/14 23:18	DF	5478219
C12-C16 Aliphatics	**0.24**	**>MCL**		**0.1**	**0.15**	**1**	**04/08/14 23:18**	**DF**	**5478267**
C12-C16 Aromatics	**0.29**	**>MCL**		**0.1**	**0.15**	**1**	**04/08/14 23:18**	**DF**	**5478219**
C16-C21 Aromatics	**0.18**	**>MCL**		**0.1**	**0.15**	**1**	**04/08/14 23:18**	**DF**	**5478219**
C16-C35 Aliphatics	0.35			0.1	7.3	1	04/08/14 23:18	DF	5478267
C21-C35 Aromatics	**0.26**	**>MCL**		**0.1**	**0.15**	**1**	**04/08/14 23:18**	**DF**	**5478219**
Surr: 2-Fluorobiphenyl	62.6		%	40-140		1	04/08/14 23:18	DF	5478219
Surr: Chloro-octadecane	57.9		%	40-140		1	04/08/14 23:18	DF	5478267
Surr: o-Terphenyl	64.2		%	40-140		1	04/08/14 23:18	DF	5478219

Prep Method	Prep Date	Prep Initials	Prep Factor
EPH	04/08/2014 11:22	TJH	1.00
SW3511	04/08/2014 8:30	TJH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					MCL	SW8015C		Units: mg/L	
Diesel Range Organics (C10-C28)	**8.4**	**>MCL**		**0.15**	**0.15**	**1**	**04/08/14 14:48**	**E_G**	**5476903**
Surr: o-Terphenyl	74.4		%	47-125		1	04/08/14 14:48	E_G	5476903

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/08/2014 8:44	DWB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:21 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-5/TW-5 **Collected:** 04/04/2014 10:30 **Lab Sample ID:** L0041523-14

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	ND		0.15	0.15	1	04/08/14 15:11	E_G	5476904
Surr: o-Terphenyl	78.3		% 47-125		1	04/08/14 15:11	E_G	5476904

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/08/2014 8:44	DWB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:24 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: TCLP-1 **Collected:** 04/03/2014 17:20 **Lab Sample ID:** L0041523-15

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP PURGEABLE AROMATICS (BENZENE)			**MCL**	**SW8021B**	**Units: mg/L**		
Benzene	ND		0.01	10	04/09/14 19:31	JMP	5480056
Surr: 1,4-Difluorobenzene	101		% 70-130	10	04/09/14 19:31	JMP	5480056
Surr: 4-Bromofluorobenzene	95.6		% 58-150	10	04/09/14 19:31	JMP	5480056

Leach Method	Leachate Date	Leach Initials
SW1311	04/08/2014	JBW

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/22/2014 2:58:27 PM

Quality Control Documentation

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041523
Lab Batch ID: 130311

Method Blank

RunID: TPHA_140408E-5478214 Units: mg/L
Analysis Date: 04/08/2014 20:55 Analyst: DF
Preparation Date: 04/08/2014 8:30 Prep By: TJH Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-13C	SB-4/TW-4

Analyte	Result	Rep Limit
C10-C12 Aromatics	ND	0.10
C12-C16 Aromatics	ND	0.10
C16-C21 Aromatics	ND	0.10
C21-C35 Aromatics	ND	0.10
Surr: 2-Fluorobiphenyl	67.7	40-140
Surr: o-Terphenyl	60.4	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140408E-5478215 Units: mg/L
Analysis Date: 04/08/2014 21:24 Analyst: DF
Preparation Date: 04/08/2014 8:30 Prep By: TJH Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aromatics	0.500	0.265	53.0	0.500	0.268	53.6	1.2	25	40	140
C12-C16 Aromatics	1.50	0.905	60.3	1.50	0.898	59.8	0.8	25	40	140
C16-C21 Aromatics	2.50	1.31	52.4	2.50	1.34	53.8	2.7	25	40	140
C21-C35 Aromatics	4.00	2.24	55.9	4.00	2.26	56.4	0.8	25	40	140
Surr: 2-Fluorobiphenyl	2.00	1.18	59.0	2.00	1.21	60.6	2.8	30	40	140
Surr: o-Terphenyl	0.400	0.202	50.6	0.400	0.204	51.0	0.9	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:58:58 PM

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ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0041523
Method: SW8015C **Lab Batch ID:** 130312

Method Blank

RunID: TPHC_140407G-5476898 Units: mg/L
Analysis Date: 04/08/2014 12:50 Analyst: E_G
Preparation Date: 04/08/2014 8:44 Prep By: DW Method: SW3511

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.15
Surr: o-Terphenyl	102.6	47-125

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-11A	SB-2/TW-2
L0041523-12A	SB-3/TW-3
L0041523-13A	SB-4/TW-4
L0041523-14A	SB-5/TW-5

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHC_140407G-5476899 Units: mg/L
Analysis Date: 04/08/2014 13:13 Analyst: E_G
Preparation Date: 04/08/2014 8:44 Prep By: DW Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	6.00	4.88	81.3	6.00	4.25	70.9	13.7	26	21	140
Surr: o-Terphenyl	0.100	0.0981	98.1	0.100	0.0797	79.7	20.7	30	47	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:02 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0041523
Method: SW8015C **Lab Batch ID:** 130314

Method Blank

RunID: TPHB_140409A-5478444 Units: mg/Kg
Analysis Date: 04/08/2014 14:54 Analyst: JT1
Preparation Date: 04/08/2014 8:30 Prep By: CT Method: SW3546

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: o-Terphenyl	81.9	38-135

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-01A	SB-1 (17-19)
L0041523-02A	SB-1 (21-24)
L0041523-03A	SB-2 (17-19)
L0041523-04A	SB-2 (21-24)
L0041523-05A	SB-3 (13-15)
L0041523-06A	SB-3 (21-24)
L0041523-07A	SB-4 (17-19)
L0041523-08A	SB-4 (26-29)
L0041523-09A	SB-5 (11-13)
L0041523-10A	SB-5 (17-20)

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHB_140409A-5478445 Units: mg/Kg
Analysis Date: 04/08/2014 15:13 Analyst: JT1
Preparation Date: 04/08/2014 8:30 Prep By: CT Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	150	118	78.7	150	118	79.0	0.4	20	45	102
Surr: o-Terphenyl	2.50	2.05	82.2	2.50	2.06	82.4	0.3	30	38	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041523-01
RunID: TPHB_140409A-5478465 Units: mg/Kg
Analysis Date: 04/09/2014 8:47 Analyst: JT1
Preparation Date: 04/08/2014 8:30 Prep By: CT Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	5170	150	5570	N/C	150	5140	N/C	N/C	20	45	102

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:06 PM

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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0041523
Method: SW8015C **Lab Batch ID:** 130314

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041523-01
RunID: TPHB_140409A-5478465 Units: mg/Kg
Analysis Date: 04/09/2014 8:47 Analyst: JT1
Preparation Date: 04/08/2014 8:30 Prep By: CT Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: o-Terphenyl	ND	2.5	D	D	2.5	D	D	D	30	38	135

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:07 PM

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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP **WorkOrder:** L0041523
Method: MA_VPH_EPH **Lab Batch ID:** 130331

Method Blank

RunID: TPHA_140408F-5478262 Units: mg/L
Analysis Date: 04/08/2014 20:55 Analyst: DF

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-13C	SB-4/TW-4

Analyte	Result	Rep Limit
C10-C12 Aliphatics	ND	0.10
C12-C16 Aliphatics	ND	0.10
C16-C35 Aliphatics	ND	0.10
Surr: Chloro-octadecane	72.3	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140408F-5478263 Units: mg/L
Analysis Date: 04/08/2014 21:24 Analyst: DF

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aliphatics	0.500	0.319	63.8	0.500	0.331	66.2	3.6	25	40	140
C12-C16 Aliphatics	1.00	0.587	58.7	1.00	0.597	59.7	1.7	25	40	140
C16-C35 Aliphatics	4.50	2.84	63.2	4.50	2.71	60.3	4.7	25	40	140
Surr: Chloro-octadecane	0.400	0.244	61.1	0.400	0.240	60.1	1.8	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:10 PM

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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH

WorkOrder: L0041523
Lab Batch ID: 130729

Method Blank

RunID: TPHA_140421B-5502369 Units: mg/Kg
Analysis Date: 04/21/2014 16:50 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-01A	SB-1 (17-19)
L0041523-05A	SB-3 (13-15)

Analyte	Result	Rep Limit
C10-C12 Aliphatics	ND	1.7
C12-C16 Aliphatics	ND	3.3
C16-C35 Aliphatics	ND	10
Surr: Chloro-octadecane	69.0	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140421B-5502370 Units: mg/Kg
Analysis Date: 04/21/2014 17:21 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aliphatics	5.00	2.85	56.9	5.00	2.91	58.2	2.3	25	40	140
C12-C16 Aliphatics	10.0	5.86	58.6	10.0	6.12	61.2	4.3	25	40	140
C16-C35 Aliphatics	45.0	26.4	58.6	45.0	28.3	63.0	7.2	25	40	140
Surr: Chloro-octadecane	5.00	3.56	71.1	5.00	3.77	75.4	5.8	30	40	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0042031-06
RunID: TPHA_140421B-5502380 Units: mg/Kg
Analysis Date: 04/21/2014 22:09 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C10-C12 Aliphatics	ND	5	2.46	49.1	5	2.46	49.2	0.269	50	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:13 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041523
Lab Batch ID: 130729

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0042031-06
RunID: TPHA_140421B-5502380 Units: mg/Kg
Analysis Date: 04/21/2014 22:09 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C12-C16 Aliphatics	ND	10	5.45	54.5	10	5.54	55.4	1.73	50	40	140
C16-C35 Aliphatics	ND	45	24.1	51.5	45	25.0	53.5	3.75	50	40	140
Surr: Chloro-octadecane	ND	5	3.26	65.2	5	3.31	66.3	1.65	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041523
Lab Batch ID: 130729

Method Blank

RunID: TPHA_140421A-5501981 Units: mg/Kg
Analysis Date: 04/21/2014 16:50 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-01A	SB-1 (17-19)
L0041523-05A	SB-3 (13-15)

Analyte	Result	Rep Limit
C10-C12 Aromatics	ND	1.7
C12-C16 Aromatics	ND	5.0
C16-C21 Aromatics	ND	8.3
C21-C35 Aromatics	ND	10
Surr: 2-Fluorobiphenyl	81.6	40-140
Surr: o-Terphenyl	69.2	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140421A-5501982 Units: mg/Kg
Analysis Date: 04/21/2014 17:21 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aromatics	5.00	2.86	57.2	5.00	2.42	48.4	16.6	25	40	140
C12-C16 Aromatics	15.0	9.48	63.2	15.0	8.24	55.0	14.0	25	40	140
C16-C21 Aromatics	25.0	15.5	62.1	25.0	13.8	55.1	12.0	25	40	140
C21-C35 Aromatics	40.0	18.8	47.0	40.0	19.5	48.8	3.8	25	40	140
Surr: 2-Fluorobiphenyl	12.5	9.49	75.9	12.5	8.65	69.2	9.3	30	40	140
Surr: o-Terphenyl	5.00	3.27	65.4	5.00	2.97	59.4	9.7	30	40	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0042031-06
RunID: TPHA_140421A-5501992 Units: mg/Kg
Analysis Date: 04/21/2014 22:09 Analyst: E_G
Preparation Date: 04/19/2014 9:34 Prep By: DW Method: SW3546

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:15 PM

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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP **WorkOrder:** L0041523
Method: MA_VPH_EPH **Lab Batch ID:** 130729

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C10-C12 Aromatics	ND	5	2.29	45.8	5	2.25	45.0	1.94	50	40	140
C12-C16 Aromatics	ND	15	7.77	46.1	15	7.75	46.0	0.258	50	40	140
C16-C21 Aromatics	ND	25	16.5	62.7	25	14.5	54.5	13.2	50	40	140
C21-C35 Aromatics	ND	40	24.7	58.0	40	20.0	46.3	20.9	50	40	140
Surr: 2-Fluorobiphenyl	ND	12.5	9.58	76.7	12.5	9.90	79.2	3.24	30	40	140
Surr: o-Terphenyl	ND	5	2.92	58.5	5	3.03	60.5	3.43	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:16 PM

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ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: TCLP Purgeable Aromatics (Benzene) **WorkOrder:** L0041523
Method: SW8021B **Lab Batch ID:** 130335

Method Blank

RunID: GCLC_140409C-5480055 Units: mg/L
Analysis Date: 04/09/2014 19:00 Analyst: JMP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041523-15A	TCLP-1

Analyte	Result	Rep Limit
Benzene	ND	0.01
Surr: 1,4-Difluorobenzene	100.8	57-136
Surr: 4-Bromofluorobenzene	95.8	57-136

Leachate Blank

RunID: GCLC_140409C-5480055 Units: mg/L
Analysis Date: 04/09/2014 19:00 Analyst: JMP

Analyte	Result	Rep Limit
Benzene	ND	0.01
Surr: 1,4-Difluorobenzene	100.8	57-136
Surr: 4-Bromofluorobenzene	95.8	57-136

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCLC_140409C-5480053 Units: mg/L
Analysis Date: 04/09/2014 17:59 Analyst: JMP

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	0.500	0.488	97.6	0.500	0.481	96.2	1.4	14	73	126
Surr: 1,4-Difluorobenzene	300	306	102	300	305	102	0.3	30	70	130
Surr: 4-Bromofluorobenzene	300	290	96.5	300	286	95.4	1.2	30	58	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041523-15
RunID: GCLC_140409C-5480057 Units: mg/L
Analysis Date: 04/09/2014 20:00 Analyst: JMP

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: TCLP Purgeable Aromatics (Benzene) **WorkOrder:** L0041523
Method: SW8021B **Lab Batch ID:** 130335

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	1	0.913	91.3	1	0.953	95.3	4.32	14	73	126
Surr: 1,4-Difluorobenzene	ND	600	611	102	600	610	102	0.162	30	70	130
Surr: 4-Bromofluorobenzene	ND	600	587	97.9	600	585	97.4	0.481	30	58	150

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/22/2014 2:59:19 PM

Version 2.1 - Modified February 11, 2011

Sample Receipt Checklist

And

Chain of Custody

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	**L0041523**	Received By:	**HJC**
Date and Time Received:	**4/4/2014 3:55:00 PM**	Carrier name:	**Accutest-Delivery**
Temperature:	**3.1°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☐	No ☐	Not Present ☑
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☐	No ☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

Accutest Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
Accutest Gulf Coast (LA)
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7838
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: L1041523

Client / Reporting Information

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Project Contact: Peter Smith E-mail: peter.smith@ppmco.com
Phone #: 225-293-7270 Fax #:
Sampler(s) Name(s): Peter Smith Phone #: 225-293-7270

Project Information

Project Name: LA Retirement Systems
Street: 8401 United Plaza Blvd.
City: Baton Rouge State: LA
Project #: 503124 LSI
Client Purchase Order #:
Project Manager: Peter Smith

Billing Information (If different from Report to)

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Attention: Peter Smith

Requested Analyses

RUSH

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	ZnAcNaOH	HNO3	H2SO4	NONE	OI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	DRO	PAHs (Hold)	EPH (ON HOLD)	SPLP (ON HOLD)						LAB USE ONLY
	SB-1 (17-19)	4-3-14	1018	AB	SO	2						2							✓	✓	✓	✓						2
	SB-1 (21-24)	4-3-14	1022	AB	SO	2						2							✓	✓	✓	✓						2
	SB-2 (17-19)	4-3-14	1142	AB	SO	3						3							✓	✓	✓	✓						3
	SB-2 (21-24)	4-3-14	1145	AB	SO	3						3							✓	✓	✓	✓						3
	SB-3 (13-15)	4-3-14	1345	AB	SO	3						3							✓	✓	✓	✓						3
	SB-3 (21-24)	4-3-14	1350	AB	SO	3						3							✓	✓	✓	✓						3
	SB-4 (17-19)	4-3-14	1620	AB	SO	3						3							✓	✓	✓	✓						3
	SB-4 (26-29)	4-3-14	1625	AB	SO	3						3							✓	✓	✓	✓						3
	SB-5 (11-13)	4-3-14	1720	AB	SO	3						3							✓	✓	✓	✓						3
	SB-5 (17-20)	4-3-14	1725	AB	SO	3						3							✓	✓	✓	✓						3
	SB-2/TW-2	4-4-14	0910	AB	GW	8	3					5							✓	✓	✓							8
	SB-3/TW-3	4-4-14	0925	AB	GW	8	3					5							✓	✓	✓							8

Turnaround Time (Business days)

- [x] Standard
- [ ] 6 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

* 6 Day T/A * Accutest driven.
YM-18 (12) LXL-2 (12)
RM-40 (7) RM-39 (11)
BM-10 (11) HCL

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/4/14 / 1450	1	2	4/4/14	2
3		3	4		4
5		5	Custody Seal # CSUN cable	[ ] Intact [ ] Not Intact	Preserved where applicable [x] On Ice [x] Cooler Temp. (3.1 CF)

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
Accutest Gulf Coast (LA)
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7838
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #:

Client / Reporting Information

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Project Contact: Peter Smith E-mail: peter.smith@ppmco.com
Phone #: 225-293-7270 Fax #:
Sampler(s) Name(s): Peter Smith Phone #: 225-293-7270

Project Information

Project Name: LA Retirement Systems
Street: 8401 United Plaza Blvd.
City: Baton Rouge State: LA
Project #: 503124 LSI
Client Purchase Order #:
Project Manager: Peter Smith

Billing Information (if different from Report to)

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Attention: Peter Smith

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	ZA/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	DRO	PAHs (Hold)	EPH (ON HOLD)	SPLP (ON HOLD)							LAB USE ONLY
	SB-4/TW-4	4-4-14	1050	AB	GW	8	3					5							✓	✓	✓							8	
	SB-5/TW-5	4-4-14	1030	AB	GW	8	3					5							✓	✓	✓							8	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Turnaround Time (Business days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

* 6 Day T/A *

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4-4-14/1550	1	2	4/4/14	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable

On Ice: ☐ Cooler Temp: 3.1 CF

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
Accutest Gulf Coast (LA)
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL:337-237-4775 FAX: 337-237-7838
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #:

Client / Reporting Information

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge | State: LA | Zip: 70809
Project Contact: Peter Smith | E-mail: peter.smith@ppmco.com
Phone #: 225-293-7270 | Fax #:
Sampler(s) Name(s): Adrian Bain | Phone #: 225-293-7270

Project Information

Project Name: LA Retirement Systems
Street: 8401 United Plaza Blvd.
City: Baton Rouge | State: LA
Project #: 503124 LSI
Client Purchase Order #:
Project Manager: Peter Smith

Billing Information (if different from Report to)

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge | State: LA | Zip: 70809
Attention: Peter Smith

Requested Analyses

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	ZnAcNaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	TCLP Benzene	LAB USE ONLY
	TCLP-1	04/03/14	17:20	AB	SO	4						4							X	4

Turnaround Time (Business days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labilnk

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4-4-14 / 1450	Accutest (RS)	Accutest (RS)	4/4/14 1550	Watch
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
				4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal # CS ON COOLER	[X] Intact [ ] Not Intact	Preserved where applicable [X] On Ice [X] Cooler Temp. 4.1 (CF)

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0045011

Report To:		Project Name:	503124 LSI
PPM CONSULTANTS, INC.		Site:	LA RETIREMENT SYSTEMS
PETER SMITH		Site Address:	
7936 OFFICE PARK BLVD STE. A			
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70809-		State Cert. No.:	02048
ph: (225) 293-7270	fax: (225) 293-7271	Date Reported:	7/15/2014

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

This report may contain data results from tests performed in the field by non-laboratory personnel. Such data will be indicated within the report using the method code, FIELD, and analyst initials of FT indicating results obtained by a field technician.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Accutest Gulf Coast is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Rebecca Hebert — 7/15/2014

Rebecca Hebert
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0045011

Report To: PPM CONSULTANTS, INC.
PETER SMITH
7936 OFFICE PARK BLVD STE. A

BATON ROUGE
LA
70809-
ph: (225) 293-7270 fax: (225) 293-7271

Fax To:

Project Name: 503124 LSI
Site: LA RETIREMENT SYSTEMS
Site Address:

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 7/15/2014

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	L0045011-01	Water	06/27/2014 12:25	7/1/2014 3:45:00 PM		☐
DUPLCIATE	L0045011-02	Water	06/27/2014 0:00	7/1/2014 3:45:00 PM		☐
FIELD BLANK	L0045011-03	Water	06/27/2014 12:30	7/1/2014 3:45:00 PM		☐
TRIP BLANK	L0045011-04	Water	06/27/2014 0:00	7/1/2014 3:45:00 PM		☐

Rebecca Hebert
Project Manager

7/15/2014
Date

Ron Benjamin
Laboratory Director

Karen Rodrigue-Varnado
Quality Assurance Officer

Version 2.1 - Modified February 11, 2011

7/15/2014 3:15:00 PM

Date: Tuesday, July 15, 2014

*****CHRONOLOGY REPORT*****

Workorder	Sample_ID	Matrix	Collected	Received	Analyzed	Test Name	Method
L0045011	L0045011-01A	Water	6/27/2014	7/1/2014 3:45:00 PM			
					7/2/2014 7:45:59 PM		
						BTEX by Method 8021B	SW8021B
					7/2/2014 8:15:52 PM		
						BTEX by Method 8021B	SW8021B
					7/3/2014 11:12:00 AM		
						RECAP Diesel Range Organics by Method 8015C	SW8015C
					7/3/2014 11:36:00 AM		
						RECAP Diesel Range Organics by Method 8015C	SW8015C
					7/8/2014 1:38:00 PM		
						PAHs by EPA 8270D	SW8270D
					7/8/2014 2:00:00 PM		
						PAHs by EPA 8270D	SW8270D
					7/8/2014 2:22:00 PM		
						PAHs by EPA 8270D	SW8270D
					7/8/2014 2:44:00 PM		
						PAHs by EPA 8270D	SW8270D
					7/14/2014 1:31:43 PM		
						Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Tuesday, July 15, 2014

*****SUMMARY REPORT*****

Company: PPM CONSULTANTS, INC. **Project:** 503124 LSI

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0045011-01A	Water	MW-1	6/27/2014 12:25:00 PM	Diesel Range Organics (C10-C28)	430	7.5 mg/L	SW8015C
L0045011-01B	Water	MW-1	6/27/2014 12:25:00 PM	2-Methylnaphthalene	1.7	0.036 mg/L	SW8270D
				Acenaphthene	ND	0.018 mg/L	SW8270D
				Acenaphthylene	ND	0.018 mg/L	SW8270D
				Anthracene	ND	0.018 mg/L	SW8270D
				Benz(a)anthracene	ND	0.018 mg/L	SW8270D
				Benzo(a)pyrene	ND	0.018 mg/L	SW8270D
				Benzo(b)fluoranthene	ND	0.018 mg/L	SW8270D
				Benzo(k)fluoranthene	ND	0.018 mg/L	SW8270D
				Chrysene	ND	0.018 mg/L	SW8270D
				Dibenz(a,h)anthracene	ND	0.018 mg/L	SW8270D
				Fluoranthene	ND	0.018 mg/L	SW8270D
				Fluorene	0.23	0.018 mg/L	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.018 mg/L	SW8270D
				Naphthalene	0.33	0.018 mg/L	SW8270D
				Phenanthrene	0.4	0.018 mg/L	SW8270D
				Pyrene	0.073	0.018 mg/L	SW8270D
L0045011-01C	Water	MW-1	6/27/2014 12:25:00 PM	C10-C12 Aliphatics	21	0.1 mg/L	MA_VPH_EPH
				C10-C12 Aromatics	0.46	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aliphatics	70	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aromatics	15	0.1 mg/L	MA_VPH_EPH
				C16-C21 Aromatics	23	0.1 mg/L	MA_VPH_EPH
				C16-C35 Aliphatics	69	0.1 mg/L	MA_VPH_EPH
				C21-C35 Aromatics	3.5	0.1 mg/L	MA_VPH_EPH
L0045011-02A	Water	DUPLCIATE	6/27/2014	Diesel Range Organics (C10-C28)	110	3 mg/L	SW8015C

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Tuesday, July 15, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124 LSI

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0045011-02B	Water	DUPLCIATE	6/27/2014	2-Methylnaphthalene	2	0.035 mg/L	SW8270D
				Acenaphthene	ND	0.018 mg/L	SW8270D
				Acenaphthylene	ND	0.018 mg/L	SW8270D
				Anthracene	ND	0.018 mg/L	SW8270D
				Benz(a)anthracene	ND	0.018 mg/L	SW8270D
				Benzo(a)pyrene	ND	0.018 mg/L	SW8270D
				Benzo(b)fluoranthene	ND	0.018 mg/L	SW8270D
				Benzo(k)fluoranthene	ND	0.018 mg/L	SW8270D
				Chrysene	ND	0.018 mg/L	SW8270D
				Dibenz(a,h)anthracene	ND	0.018 mg/L	SW8270D
				Fluoranthene	ND	0.018 mg/L	SW8270D
				Fluorene	0.25	0.018 mg/L	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.018 mg/L	SW8270D
				Naphthalene	0.37	0.018 mg/L	SW8270D
				Phenanthrene	0.44	0.018 mg/L	SW8270D
				Pyrene	0.081	0.018 mg/L	SW8270D
L0045011-03A	Water	FIELD BLANK	6/27/2014 12:30:00 PM	Benzene	ND	0.001 mg/L	SW8021B
				Toluene	ND	0.001 mg/L	SW8021B
				Ethylbenzene	ND	0.001 mg/L	SW8021B
				Xylenes,Total	ND	0.003 mg/L	SW8021B
				BTEX, Total	ND	0.001 mg/L	SW8021B
				m,p-Xylene	ND	0.002 mg/L	SW8021B
				o-Xylene	ND	0.001 mg/L	SW8021B
L0045011-04A	Water	TRIP BLANK	6/27/2014	Benzene	ND	0.001 mg/L	SW8021B
				Toluene	ND	0.001 mg/L	SW8021B
				Ethylbenzene	ND	0.001 mg/L	SW8021B
				Xylenes,Total	ND	0.003 mg/L	SW8021B
				BTEX, Total	ND	0.001 mg/L	SW8021B
				m,p-Xylene	ND	0.002 mg/L	SW8021B
				o-Xylene	ND	0.001 mg/L	SW8021B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-1 **Collected:** 06/27/2014 12:25 **Lab Sample ID:** L0045011-01

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP					**MCL**	**MA_VPH_EPH**		**Units: mg/L**	
C10-C12 Aliphatics	**21**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634584**
C10-C12 Aromatics	**0.46**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634532**
C12-C16 Aliphatics	**70**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634584**
C12-C16 Aromatics	**15**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634532**
C16-C21 Aromatics	**23**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634532**
C16-C35 Aliphatics	**69**	**>MCL**		**0.1**	**7.3**	**1**	**07/14/14 13:31**	**E_G**	**5634584**
C21-C35 Aromatics	**3.5**	**>MCL**		**0.1**	**0.15**	**1**	**07/14/14 13:31**	**E_G**	**5634532**
Surr: 2-Fluorobiphenyl	63.5		%	40-140		1	07/14/14 13:31	E_G	5634532
Surr: Chloro-octadecane	60.6		%	40-140		1	07/14/14 13:31	E_G	5634584
Surr: o-Terphenyl	110		%	40-140		1	07/14/14 13:31	E_G	5634532

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	07/03/2014 14:30	CNR	1.00

PAHS BY EPA 8270D					**MCL**	**SW8270D**		**Units: mg/L**	
2-Methylnaphthalene	1.7			0.036		200	07/08/14 14:22	LDD	5626813
Acenaphthene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Acenaphthylene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Anthracene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Benz(a)anthracene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Benzo(a)pyrene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Benzo(b)fluoranthene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Benzo(k)fluoranthene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Chrysene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Dibenz(a,h)anthracene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Fluoranthene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Fluorene	0.23			0.018		100	07/08/14 13:38	LDD	5626811
Indeno(1,2,3-cd)pyrene	ND			0.018		100	07/08/14 13:38	LDD	5626811
Naphthalene	0.33			0.018		100	07/08/14 13:38	LDD	5626811
Phenanthrene	0.4			0.018		100	07/08/14 13:38	LDD	5626811
Pyrene	0.073			0.018		100	07/08/14 13:38	LDD	5626811
Surr: 2-Fluorobiphenyl	D		%	60-128		100	07/08/14 13:38	LDD	5626811
Surr: 2-Fluorobiphenyl	D		%	60-128		200	07/08/14 14:22	LDD	5626813
Surr: 4-Terphenyl-d14	D		%	55-136		100	07/08/14 13:38	LDD	5626811
Surr: 4-Terphenyl-d14	D		%	55-136		200	07/08/14 14:22	LDD	5626813
Surr: Nitrobenzene-d5	D		%	53-152		200	07/08/14 14:22	LDD	5626813
Surr: Nitrobenzene-d5	D		%	53-152		100	07/08/14 13:38	LDD	5626811

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

7/15/2014 3:15:12 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-1 **Collected:** 06/27/2014 12:25 **Lab Sample ID:** L0045011-01

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
PAHS BY EPA 8270D				**MCL**	**SW8270D**	**Units: mg/L**		

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/03/2014 10:08	MFF	0.89

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	**430**	**>MCL**		**7.5**	**0.15**	**50**	**07/03/14 11:12**	**E_G**	**5623636**
Surr: o-Terphenyl	D		%	47-125		50	07/03/14 11:12	E_G	5623636

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	07/02/2014 12:04	CNR	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

7/15/2014 3:15:14 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: DUPLCIATE **Collected:** 06/27/2014 0:00 **Lab Sample ID:** L0045011-02

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PAHS BY EPA 8270D			**MCL**	**SW8270D**	**Units: mg/L**		
2-Methylnaphthalene	2		0.035	200	07/08/14 14:44	LDD	5626814
Acenaphthene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Acenaphthylene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Anthracene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Benz(a)anthracene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Benzo(a)pyrene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Benzo(b)fluoranthene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Benzo(k)fluoranthene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Chrysene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Dibenz(a,h)anthracene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Fluoranthene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Fluorene	0.25		0.018	100	07/08/14 14:00	LDD	5626812
Indeno(1,2,3-cd)pyrene	ND		0.018	100	07/08/14 14:00	LDD	5626812
Naphthalene	0.37		0.018	100	07/08/14 14:00	LDD	5626812
Phenanthrene	0.44		0.018	100	07/08/14 14:00	LDD	5626812
Pyrene	0.081		0.018	100	07/08/14 14:00	LDD	5626812
Surr: 2-Fluorobiphenyl	D		% 60-128	100	07/08/14 14:00	LDD	5626812
Surr: 2-Fluorobiphenyl	D		% 60-128	200	07/08/14 14:44	LDD	5626814
Surr: 4-Terphenyl-d14	D		% 55-136	100	07/08/14 14:00	LDD	5626812
Surr: 4-Terphenyl-d14	D		% 55-136	200	07/08/14 14:44	LDD	5626814
Surr: Nitrobenzene-d5	D		% 53-152	200	07/08/14 14:44	LDD	5626814
Surr: Nitrobenzene-d5	D		% 53-152	100	07/08/14 14:00	LDD	5626812

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/03/2014 10:08	MFF	0.88

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	**110**	**>MCL**	**3**	**0.15**	**20**	**07/03/14 11:36**	**E_G**	**5623637**
Surr: o-Terphenyl	D		% 47-125		20	07/03/14 11:36	E_G	5623637

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	07/02/2014 12:04	CNR	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

7/15/2014 3:15:16 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: FIELD BLANK **Collected:** 06/27/2014 12:30 **Lab Sample ID:** L0045011-03

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BTEX BY METHOD 8021B			**MCL**	**SW8021B**	**Units: mg/L**		
Benzene	ND		0.001	1	07/02/14 19:45	MRB	5622938
Ethylbenzene	ND		0.001	1	07/02/14 19:45	MRB	5622938
Toluene	ND		0.001	1	07/02/14 19:45	MRB	5622938
m,p-Xylene	ND		0.002	1	07/02/14 19:45	MRB	5622938
o-Xylene	ND		0.001	1	07/02/14 19:45	MRB	5622938
Xylenes,Total	ND		0.003	1	07/02/14 19:45	MRB	5622938
BTEX, Total	ND		0.001	1	07/02/14 19:45	MRB	5622938
Surr: 1,4-Difluorobenzene	94.5		% 51-157	1	07/02/14 19:45	MRB	5622938
Surr: 4-Bromofluorobenzene	106		% 63-153	1	07/02/14 19:45	MRB	5622938

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

7/15/2014 3:15:17 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: TRIP BLANK **Collected:** 06/27/2014 0:00 **Lab Sample ID:** L0045011-04

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BTEX BY METHOD 8021B			**MCL**	**SW8021B**	**Units: mg/L**		
Benzene	ND		0.001	1	07/02/14 20:15	MRB	5622939
Ethylbenzene	ND		0.001	1	07/02/14 20:15	MRB	5622939
Toluene	ND		0.001	1	07/02/14 20:15	MRB	5622939
m,p-Xylene	ND		0.002	1	07/02/14 20:15	MRB	5622939
o-Xylene	ND		0.001	1	07/02/14 20:15	MRB	5622939
Xylenes,Total	ND		0.003	1	07/02/14 20:15	MRB	5622939
BTEX, Total	ND		0.001	1	07/02/14 20:15	MRB	5622939
Surr: 1,4-Difluorobenzene	93.8		% 51-157	1	07/02/14 20:15	MRB	5622939
Surr: 4-Bromofluorobenzene	106		% 63-153	1	07/02/14 20:15	MRB	5622939

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

7/15/2014 3:15:18 PM

Quality Control Documentation

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0045011
Method: SW8015C **Lab Batch ID:** 133129

Method Blank

RunID: TPHC_140702A-5623278 Units: mg/L
Analysis Date: 07/02/2014 18:34 Analyst: E_G
Preparation Date: 07/02/2014 12:04 Prep By: CNR Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0045011-01A	MW-1
L0045011-02A	DUPLCIATE

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.15
Surr: o-Terphenyl	87.0	47-125

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHC_140702A-5623279 Units: mg/L
Analysis Date: 07/02/2014 18:58 Analyst: E_G
Preparation Date: 07/02/2014 12:04 Prep By: CNR Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	6.00	4.88	81.3	6.00	4.53	75.6	7.3	26	21	140
Surr: o-Terphenyl	0.100	0.120	119	0.100	0.110	110	8.1	30	47	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:30 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP **WorkOrder:** L0045011
Method: MA_VPH_EPH **Lab Batch ID:** 133172

Method Blank

RunID: TPHA_140714D-5634581 Units: mg/L
Analysis Date: 07/14/2014 12:05 Analyst: E_G
Preparation Date: 07/03/2014 14:30 Prep By: CNR Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0045011-01C	MW-1

Analyte	Result	Rep Limit
C10-C12 Aliphatics	ND	0.10
C12-C16 Aliphatics	ND	0.10
C16-C35 Aliphatics	ND	0.10
Surr: Chloro-octadecane	57.6	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140714D-5634582 Units: mg/L
Analysis Date: 07/14/2014 12:34 Analyst: E_G
Preparation Date: 07/03/2014 14:30 Prep By: CNR Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aliphatics	0.500	0.314	62.8	0.500	0.307	61.4	2.3	25	40	140
C12-C16 Aliphatics	1.00	0.629	62.9	1.00	0.624	62.4	0.8	25	40	140
C16-C35 Aliphatics	4.50	2.58	57.4	4.50	2.58	57.4	0.1	25	40	140
Surr: Chloro-octadecane	0.400	0.253	63.3	0.400	0.254	63.6	0.3	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:31 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0045011
Lab Batch ID: 133172

Method Blank

RunID: TPHA_140714C-5634529 Units: mg/L
Analysis Date: 07/14/2014 12:05 Analyst: E_G
Preparation Date: 07/03/2014 14:30 Prep By: CNR Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0045011-01C	MW-1

Analyte	Result	Rep Limit
C10-C12 Aromatics	ND	0.10
C12-C16 Aromatics	ND	0.10
C16-C21 Aromatics	ND	0.10
C21-C35 Aromatics	ND	0.10
Surr: 2-Fluorobiphenyl	59.0	40-140
Surr: o-Terphenyl	66.2	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140714C-5634530 Units: mg/L
Analysis Date: 07/14/2014 12:34 Analyst: E_G
Preparation Date: 07/03/2014 14:30 Prep By: CNR Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aromatics	0.500	0.261	52.1	0.500	0.267	53.4	2.4	25	40	140
C12-C16 Aromatics	1.50	0.984	65.6	1.50	0.976	65.0	0.8	25	40	140
C16-C21 Aromatics	2.50	1.30	51.9	2.50	1.30	52.0	0.3	25	40	140
C21-C35 Aromatics	4.00	1.61	40.4	4.00	1.80	45.0	10.7	25	40	140
Surr: 2-Fluorobiphenyl	2.00	1.10	55.0	2.00	1.16	57.9	5.2	30	40	140
Surr: o-Terphenyl	0.400	0.229	57.1	0.400	0.236	59.0	3.2	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:33 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: BTEX by Method 8021B
Method: SW8021B
WorkOrder: L0045011
Lab Batch ID: R337438

Method Blank

RunID: GCLC_140702A-5622927 Units: mg/L
Analysis Date: 07/02/2014 11:51 Analyst: MRB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0045011-03A	FIELD BLANK
L0045011-04A	TRIP BLANK

Analyte	Result	Rep Limit
Benzene	ND	0.0010
Ethylbenzene	ND	0.0010
Toluene	ND	0.0010
m,p-Xylene	ND	0.0020
o-Xylene	ND	0.0010
BTEX, Total	ND	0.0010
Xylenes,Total	ND	0.0030
Surr: 1,4-Difluorobenzene	95.3	51-157
Surr: 4-Bromofluorobenzene	104.3	63-153

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCLC_140702A-5622925 Units: mg/L
Analysis Date: 07/02/2014 10:52 Analyst: MRB

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	0.0500	0.0530	106	0.0500	0.0503	101	5.1	8	80	121
Ethylbenzene	0.0500	0.0528	106	0.0500	0.0499	99.8	5.6	9	83	119
Toluene	0.0500	0.0542	108	0.0500	0.0514	103	5.4	8	85	118
m,p-Xylene	0.100	0.105	105	0.100	0.0997	99.7	5.4	9	83	117
o-Xylene	0.0500	0.0514	103	0.0500	0.0493	98.5	4.2	9	84	116
Xylenes,Total	0.1500	0.1564	104.4	0.1500	0.1490	99.30	5.0	8	84	116
Surr: 1,4-Difluorobenzene	30.0	29.2	97.3	30.0	28.7	95.6	1.7	30	51	157
Surr: 4-Bromofluorobenzene	30.0	32.3	108	30.0	32.0	107	0.9	30	63	153

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:34 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: **BTEX by Method 8021B** **WorkOrder:** **L0045011**
Method: **SW8021B** **Lab Batch ID:** **R337438**

Sample Spiked: L0044909-12
RunID: GCLC_140702A-5622930 Units: mg/L
Analysis Date: 07/02/2014 14:46 Analyst: MRB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	9.08	25	69.1	240 *	25	69.0	240 *	0.220	8	80	121
Ethylbenzene	2.49	25	36.8	137 *	25	36.5	136 *	0.825	9	83	119
Toluene	10.5	25	77.8	269 *	25	77.0	266 *	1.13	8	85	118
m,p-Xylene	7.85	50	88.3	161 *	50	86.8	158 *	1.70	9	83	117
o-Xylene	3.28	25	40.9	151 *	25	40.2	148 *	1.69	9	84	116
Xylenes,Total	11.13	75	129.2	157.5 *	75	127.0	154.6 *	1.699	8	84	116
Surr: 1,4-Difluorobenzene	ND	15000	17900	119	15000	17800	119	0.373	30	51	157
Surr: 4-Bromofluorobenzene	ND	15000	16500	110	15000	16500	110	0.0558	30	63	153

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:35 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: PAHs by EPA 8270D
Method: SW8270D
WorkOrder: L0045011
Lab Batch ID: 133161

Method Blank

RunID: GCMS1L_140707A-5626186 Units: mg/L
Analysis Date: 07/07/2014 16:50 Analyst: LDD
Preparation Date: 07/03/2014 10:08 Prep By: MFF Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0045011-01B	MW-1
L0045011-02B	DUPLCIATE

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	0.00020
Acenaphthene	ND	0.00020
Acenaphthylene	ND	0.00020
Anthracene	ND	0.00020
Benz(a)anthracene	ND	0.00020
Benzo(a)pyrene	ND	0.00020
Benzo(b)fluoranthene	ND	0.00020
Benzo(k)fluoranthene	ND	0.00020
Chrysene	ND	0.00020
Dibenz(a,h)anthracene	ND	0.00020
Fluoranthene	ND	0.00020
Fluorene	ND	0.00020
Indeno(1,2,3-cd)pyrene	ND	0.00020
Naphthalene	ND	0.00020
Phenanthrene	ND	0.00020
Pyrene	ND	0.00020
Surr: 2-Fluorobiphenyl	87.3	41-124
Surr: 4-Terphenyl-d14	100.0	36-129
Surr: Nitrobenzene-d5	80.1	40-134

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCMS1L_140707A-562618 Units: mg/L
Analysis Date: 07/07/2014 17:12 Analyst: LDD
Preparation Date: 07/03/2014 10:08 Prep By: MFF Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1-Methylnaphthalene	0.00500	0.00452	90.4	0.00500	0.00459	91.9	1.6	16	56	120
2-Methylnaphthalene	0.00500	0.00446	89.3	0.00500	0.00452	90.3	1.1	17	58	119
Acenaphthene	0.00500	0.00468	93.5	0.00500	0.00469	93.9	0.4	15	58	114
Acenaphthylene	0.00500	0.00496	99.2	0.00500	0.00514	103	3.6	14	57	127
Anthracene	0.00500	0.00455	91.0	0.00500	0.00487	97.4	6.8	17	57	117
Benz(a)anthracene	0.00500	0.00428	85.5	0.00500	0.00438	87.6	2.3	27	54	116

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:37 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124 LSI

Analysis: PAHs by EPA 8270D **WorkOrder:** L0045011
Method: SW8270D **Lab Batch ID:** 133161

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCMS1L_140707A-562618 Units: mg/L
Analysis Date: 07/07/2014 17:12 Analyst: LDD
Preparation Date: 07/03/2014 10:08 Prep By: MFF Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(a)pyrene	0.00500	0.00440	87.9	0.00500	0.00465	93.0	5.6	24	55	126
Benzo(b)fluoranthene	0.00500	0.00469	93.8	0.00500	0.00440	88.0	6.4	31	52	124
Benzo(g,h,i)perylene	0.00500	0.00439	87.8	0.00500	0.00441	88.3	0.5	23	52	127
Benzo(k)fluoranthene	0.00500	0.00435	86.9	0.00500	0.00500	100	14.0	28	54	126
Chrysene	0.00500	0.00463	92.5	0.00500	0.00460	92.0	0.5	22	55	116
Dibenz(a,h)anthracene	0.00500	0.00435	87.0	0.00500	0.00441	88.3	1.4	33	46	129
Fluoranthene	0.00500	0.00483	96.6	0.00500	0.00502	100	3.8	21	56	124
Fluorene	0.00500	0.00483	96.7	0.00500	0.00495	99.0	2.3	16	54	120
Indeno(1,2,3-cd)pyrene	0.00500	0.00441	88.2	0.00500	0.00446	89.1	1.1	24	51	130
Naphthalene	0.00500	0.00428	85.6	0.00500	0.00445	89.1	4.0	14	58	114
Phenanthrene	0.00500	0.00455	91.0	0.00500	0.00460	92.0	1.0	16	56	115
Pyrene	0.00500	0.00491	98.2	0.00500	0.00495	98.9	0.8	21	55	122
Surr: 2-Fluorobiphenyl	5.00	4.38	87.7	5.00	4.45	89.0	1.6	30	41	124
Surr: 4-Terphenyl-d14	5.00	4.66	93.2	5.00	4.66	93.1	0.0	30	36	129
Surr: Nitrobenzene-d5	5.00	4.28	85.5	5.00	4.21	84.2	1.5	30	40	134

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/15/2014 3:15:37 PM

Version 2.1 - Modified February 11, 2011

Sample Receipt Checklist

And

Chain of Custody

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	**L0045011**	Received By:	**MAR**
Date and Time Received:	**7/1/2014 3:45:00 PM**	Carrier name:	**Accutest-Delivery**
Temperature:	**4.2°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes	☑	No	☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes	☑	No	☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes	☐	No	☐	Not Present ☑
4.	**Chain of custody present?**	Yes	☑	No	☐	
5.	**Chain of custody signed when relinquished and received?**	Yes	☑	No	☐	
6.	**Chain of custody agrees with sample labels?**	Yes	☑	No	☐	
7.	**Samples in proper container/bottle?**	Yes	☑	No	☐	
8.	**Sample containers intact?**	Yes	☑	No	☐	
9.	**Sufficient sample volume for indicated test?**	Yes	☑	No	☐	
10.	**All samples received within holding time?**	Yes	☑	No	☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes	☑	No	☐	
12.	**Water - VOA vials have zero headspace?**	Yes	☑	No	☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes	☐	No	☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

Accutest Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
Accutest Gulf Coast (LA)
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7838
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: L0045011

Client / Reporting Information

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Project Contact: Peter Smith E-mail: peter.smith@ppmco.com
Phone #: 225-293-7270 Fax #:
Sampler(s) Name(s): Adrian Bain Phone #: 225-293-7270

Project Information

Project Name: LA Retirement Systems Building
Street: 8401 United Plaza Blvd.
City: Baton Rouge State: LA
Project #: 503124 LSI
Client Purchase Order #:
Project Manager: Peter Smith

Billing Information (If different from Report to)

Company Name: PPM Consultants, Inc
Street Address: 7396 Office Park Boulevard
City: Baton Rouge State: LA Zip: 70809
Attention: Peter Smith

Requested Analyses

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	ZnAcNaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	TPH-DRO	PAH	EPH (Hold)	BTEX							LAB USE ONLY
	MW-1	06/27/14	1225	AB	GW	8	3					5							X	X	X							8	
	Duplicate	06/27/14	N/A	AB	GW	5						5							X	X								5	
	Field Blank	06/27/14	1230	AB	GW	3																X						3	
	Trip Blank	6/27/2014	LAB	AB	GW	3																X						3	

Turnaround Time (Business days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date: RS-24 (11) RS-275 (11)

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

STANDARD PPM RATES APPLY RS-810 (13)

Received at Baton Rouge Service Center BS-126 (1)

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished by Sampler:	Date Time: 7/01/14	Received By: 1	Relinquished By: 2	Date Time: 7/1/14	Received By: 2 Renee Sam
3 Relinquished by Sampler: Renee Sam 7/1/14	Date Time: 1545	Received By: 3 Mark Reed	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact	Preserved where applicable / On Ice / Cooler Temp.

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0041795

Report To:		Project Name:	503124
PPM CONSULTANTS, INC.		Site:	LA RETIREMENT SYSTEMS
ADRIAN BAIN		Site Address:	
7936 OFFICE PARK BLVD STE. A			
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70809-		State Cert. No.:	02048
ph: (225) 293-7270	fax: (225) 293-7271	Date Reported:	4/28/2014

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

This report may contain data results from tests performed in the field by non-laboratory personnel. Such data will be indicated within the report using the method code, FIELD, and analyst initials of FT indicating results obtained by a field technician.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Accutest Gulf Coast is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Rebecca Hebert — 4/28/2014

Rebecca Hebert
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

Version 2.1 - Modified February 11, 2011

Date: Monday, April 28, 2014

*****CHRONOLOGY REPORT*****

Workorder	Sample_ID	Matrix	Collected	Received	Analyzed	Test Name	Method
L0041795	L0041795-01A	Soil	4/9/2014 11:48:00 A	4/11/2014 4:03:00 PM			
					4/13/2014 10:12:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/13/2014 10:32:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/13/2014 11:11:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/14/2014 3:46:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/14/2014 5:20:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/14/2014 9:31:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					4/15/2014 4:08:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/15/2014 4:33:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/15/2014 4:57:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/15/2014 5:21:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/16/2014 2:19:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/16/2014 2:44:00 PM	RECAP PAH by EPA 8270D	SW8270D
					4/18/2014 3:23:00 AM	PAHs by EPA 8270D	SW8270D
					4/18/2014 2:52:00 PM	PAHs by EPA 8270D	SW8270D
					4/22/2014 8:14:01 PM	Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH
					4/24/2014 12:56:45 PM	Extractable Petroleum Hydrocarbons- RECAP	MA_VPH_EPH
					4/24/2014 10:56:00 PM	SPLP Semivolatile Organics by EPA 8270D	SW8270D

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Monday, April 28, 2014

*****SUMMARY REPORT*****

Company: PPM CONSULTANTS, INC. **Project:** 503124
Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041795-01A	Soil	SB-6 (11-13)	4/9/2014 11:48:00 AM	Diesel Range Organics (C10-C28)	710	5 mg/Kg	SW8015C
				2-Methylnaphthalene	6	0.16 mg/Kg	SW8270D
				Acenaphthene	ND	0.033 mg/Kg	SW8270D
				Acenaphthylene	ND	0.033 mg/Kg	SW8270D
				Anthracene	ND	0.033 mg/Kg	SW8270D
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270D
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270D
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Chrysene	0.037	0.033 mg/Kg	SW8270D
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270D
				Fluoranthene	ND	0.033 mg/Kg	SW8270D
				Fluorene	0.69	0.033 mg/Kg	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270D
				Naphthalene	1.2	0.033 mg/Kg	SW8270D
				Phenanthrene	1.9	0.033 mg/Kg	SW8270D
				Pyrene	0.32	0.033 mg/Kg	SW8270D
L0041795-02A	Soil	SB-6 (27-30)	4/9/2014 11:52:00 AM	Diesel Range Organics (C10-C28)	ND	5 mg/Kg	SW8015C
				2-Methylnaphthalene	ND	0.033 mg/Kg	SW8270D
				Acenaphthene	ND	0.033 mg/Kg	SW8270D
				Acenaphthylene	ND	0.033 mg/Kg	SW8270D
				Anthracene	ND	0.033 mg/Kg	SW8270D
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270D
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270D
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Chrysene	ND	0.033 mg/Kg	SW8270D
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270D
				Fluoranthene	ND	0.033 mg/Kg	SW8270D
				Fluorene	ND	0.033 mg/Kg	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270D
				Naphthalene	ND	0.033 mg/Kg	SW8270D
				Phenanthrene	ND	0.033 mg/Kg	SW8270D
				Pyrene	ND	0.033 mg/Kg	SW8270D

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Monday, April 28, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124
Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041795-03A	Soil	SB-7 (11-13)	4/9/2014 3:20:00 PM	C10-C12 Aliphatics	110	1.7 mg/Kg	MA_VPH_EPH
				C10-C12 Aromatics	ND	1.7 mg/Kg	MA_VPH_EPH
				C12-C16 Aliphatics	870	3.3 mg/Kg	MA_VPH_EPH
				C12-C16 Aromatics	45	5 mg/Kg	MA_VPH_EPH
				C16-C21 Aromatics	280	8.3 mg/Kg	MA_VPH_EPH
				C16-C35 Aliphatics	870	10 mg/Kg	MA_VPH_EPH
				C21-C35 Aromatics	53	10 mg/Kg	MA_VPH_EPH
				Diesel Range Organics (C10-C28)	1300	50 mg/Kg	SW8015C
				2-Methylnaphthalene	0.016	0.0054 mg/L	SW8270D
				2-Methylnaphthalene	7.3	0.17 mg/Kg	SW8270D
				Acenaphthene	ND	0.033 mg/Kg	SW8270D
				Acenaphthylene	ND	0.033 mg/Kg	SW8270D
				Anthracene	ND	0.033 mg/Kg	SW8270D
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270D
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270D
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Chrysene	ND	0.033 mg/Kg	SW8270D
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270D
				Fluoranthene	0.11	0.033 mg/Kg	SW8270D
				Fluorene	0.88	0.033 mg/Kg	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270D
				Naphthalene	1.4	0.033 mg/Kg	SW8270D
				Phenanthrene	2.5	0.033 mg/Kg	SW8270D
				Pyrene	0.44	0.033 mg/Kg	SW8270D

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Monday, April 28, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041795-04A	Soil	SB-7 (27-30)	4/9/2014 3:24:00 PM	Diesel Range Organics (C10-C28)	ND	5 mg/Kg	SW8015C
				2-Methylnaphthalene	ND	0.033 mg/Kg	SW8270D
				Acenaphthene	ND	0.033 mg/Kg	SW8270D
				Acenaphthylene	ND	0.033 mg/Kg	SW8270D
				Anthracene	ND	0.033 mg/Kg	SW8270D
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270D
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270D
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Chrysene	ND	0.033 mg/Kg	SW8270D
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270D
				Fluoranthene	ND	0.033 mg/Kg	SW8270D
				Fluorene	ND	0.033 mg/Kg	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270D
				Naphthalene	ND	0.033 mg/Kg	SW8270D
				Phenanthrene	ND	0.033 mg/Kg	SW8270D
				Pyrene	ND	0.033 mg/Kg	SW8270D
L0041795-05A	Water	SB-6/TW-6	4/10/2014 9:50:00 AM	Diesel Range Organics (C10-C28)	ND	0.15 mg/L	SW8015C
L0041795-05B	Water	SB-6/TW-6	4/10/2014 9:50:00 AM	2-Methylnaphthalene	0.0072	0.00018 mg/L	SW8270D
				Acenaphthene	0.00051	0.00018 mg/L	SW8270D
				Acenaphthylene	ND	0.00018 mg/L	SW8270D
				Anthracene	ND	0.00018 mg/L	SW8270D
				Benz(a)anthracene	ND	0.00018 mg/L	SW8270D
				Benzo(a)pyrene	ND	0.00018 mg/L	SW8270D
				Benzo(b)fluoranthene	ND	0.00018 mg/L	SW8270D
				Benzo(k)fluoranthene	ND	0.00018 mg/L	SW8270D
				Chrysene	ND	0.00018 mg/L	SW8270D
				Dibenz(a,h)anthracene	ND	0.00018 mg/L	SW8270D
				Fluoranthene	ND	0.00018 mg/L	SW8270D
				Fluorene	0.00062	0.00018 mg/L	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.00018 mg/L	SW8270D
				Naphthalene	0.0045	0.00018 mg/L	SW8270D
				Phenanthrene	0.00069	0.00018 mg/L	SW8270D
				Pyrene	ND	0.00018 mg/L	SW8270D
L0041795-06A	Water	SB-7/TW-7	4/10/2014 9:20:00 AM	Diesel Range Organics (C10-C28)	16	0.15 mg/L	SW8015C

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Monday, April 28, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 503124

Site: LA RETIREMENT SYSTEMS

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0041795-06B	Water	SB-7/TW-7	4/10/2014 9:20:00 AM	2-Methylnaphthalene	0.25	0.0091 mg/L	SW8270D
				Acenaphthene	ND	0.0091 mg/L	SW8270D
				Acenaphthylene	ND	0.0091 mg/L	SW8270D
				Anthracene	ND	0.0091 mg/L	SW8270D
				Benz(a)anthracene	ND	0.0091 mg/L	SW8270D
				Benzo(a)pyrene	ND	0.0091 mg/L	SW8270D
				Benzo(b)fluoranthene	ND	0.0091 mg/L	SW8270D
				Benzo(k)fluoranthene	ND	0.0091 mg/L	SW8270D
				Chrysene	ND	0.0091 mg/L	SW8270D
				Dibenz(a,h)anthracene	ND	0.0091 mg/L	SW8270D
				Fluoranthene	ND	0.0091 mg/L	SW8270D
				Fluorene	0.021	0.0091 mg/L	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.0091 mg/L	SW8270D
				Naphthalene	0.05	0.0091 mg/L	SW8270D
				Phenanthrene	0.044	0.0091 mg/L	SW8270D
				Pyrene	0.011	0.0091 mg/L	SW8270D
L0041795-06C	Water	SB-7/TW-7	4/10/2014 9:20:00 AM	C10-C12 Aliphatics	0.14	0.1 mg/L	MA_VPH_EPH
				C10-C12 Aromatics	ND	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aliphatics	0.1	0.1 mg/L	MA_VPH_EPH
				C12-C16 Aromatics	ND	0.1 mg/L	MA_VPH_EPH
				C16-C21 Aromatics	ND	0.1 mg/L	MA_VPH_EPH
				C16-C35 Aliphatics	ND	0.1 mg/L	MA_VPH_EPH
				C21-C35 Aromatics	ND	0.1 mg/L	MA_VPH_EPH

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0041795

Report To: PPM CONSULTANTS, INC.
ADRIAN BAIN
7936 OFFICE PARK BLVD STE. A

BATON ROUGE
LA
70809-
ph: (225) 293-7270 fax: (225) 293-7271

Fax To:

Project Name: 503124
Site: LA RETIREMENT SYSTEMS
Site Address:

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 4/28/2014

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SB-6 (11-13)	L0041795-01	Soil	04/09/2014 11:48	4/11/2014 4:03:00 PM		☐
SB-6 (27-30)	L0041795-02	Soil	04/09/2014 11:52	4/11/2014 4:03:00 PM		☐
SB-7 (11-13)	L0041795-03	Soil	04/09/2014 15:20	4/11/2014 4:03:00 PM		☐
SB-7 (27-30)	L0041795-04	Soil	04/09/2014 15:24	4/11/2014 4:03:00 PM		☐
SB-6/TW-6	L0041795-05	Water	04/10/2014 9:50	4/11/2014 4:03:00 PM		☐
SB-7/TW-7	L0041795-06	Water	04/10/2014 9:20	4/11/2014 4:03:00 PM		☐

Rebecca Hebert
Project Manager

4/28/2014
Date

Ron Benjamin
Laboratory Director

Karen Rodrigue-Varnado
Quality Assurance Officer

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-6 (11-13) **Collected:** 04/09/2014 11:48 **Lab Sample ID:** L0041795-01

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	**710**	**>MCL**		**5**	**65**	**1**	**04/13/14 22:12**	**JT1**	**5486956**
Surr: o-Terphenyl	92.7		%	38-135		1	04/13/14 22:12	JT1	5486956

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:04	CT	1.00

RECAP PAH BY EPA 8270D					MCL	SW8270D	Units: mg/Kg		
2-Methylnaphthalene	**6**	**>MCL**		**0.16**	**1.7**	**5**	**04/16/14 14:19**	**IHK**	**5492336**
Acenaphthene	ND			0.033	220	1	04/15/14 16:08	LDD	5490398
Acenaphthylene	ND			0.033	88	1	04/15/14 16:08	LDD	5490398
Anthracene	ND			0.033	120	1	04/15/14 16:08	LDD	5490398
Benz(a)anthracene	ND			0.033	0.62	1	04/15/14 16:08	LDD	5490398
Benzo(a)pyrene	ND			0.033	0.33	1	04/15/14 16:08	LDD	5490398
Benzo(b)fluoranthene	ND			0.033	0.62	1	04/15/14 16:08	LDD	5490398
Benzo(k)fluoranthene	ND			0.033	6.2	1	04/15/14 16:08	LDD	5490398
Chrysene	0.037			0.033	62	1	04/15/14 16:08	LDD	5490398
Dibenz(a,h)anthracene	ND			0.033	0.33	1	04/15/14 16:08	LDD	5490398
Fluoranthene	ND			0.033	220	1	04/15/14 16:08	LDD	5490398
Fluorene	0.69			0.033	230	1	04/15/14 16:08	LDD	5490398
Indeno(1,2,3-cd)pyrene	ND			0.033	0.62	1	04/15/14 16:08	LDD	5490398
Naphthalene	1.2			0.033	1.5	1	04/15/14 16:08	LDD	5490398
Phenanthrene	1.9			0.033	660	1	04/15/14 16:08	LDD	5490398
Pyrene	0.32			0.033	230	1	04/15/14 16:08	LDD	5490398
Surr: 2-Fluorobiphenyl	82.7		%	43-128		1	04/15/14 16:08	LDD	5490398
Surr: 2-Fluorobiphenyl	80.1		%	43-128		5	04/16/14 14:19	IHK	5492336
Surr: 4-Terphenyl-d14	102		%	51-136		1	04/15/14 16:08	LDD	5490398
Surr: 4-Terphenyl-d14	91.8		%	51-136		5	04/16/14 14:19	IHK	5492336
Surr: Nitrobenzene-d5	82.5		%	47-134		5	04/16/14 14:19	IHK	5492336
Surr: Nitrobenzene-d5	92.1		%	47-134		1	04/15/14 16:08	LDD	5490398

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:06	DWB	0.99
SW3546	04/12/2014 11:06	DWB	0.99

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:29 PM

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-6 (27-30) **Collected:** 04/09/2014 11:52 **Lab Sample ID:** L0041795-02

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		5	65	1	04/13/14 22:32	JT1	5486957
Surr: o-Terphenyl	68.6		% 38-135		1	04/13/14 22:32	JT1	5486957

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:04	CT	1.00

RECAP PAH BY EPA 8270D				**MCL**	**SW8270D**	**Units: mg/Kg**		
2-Methylnaphthalene	ND		0.033	1.7	1	04/15/14 16:33	LDD	5490399
Acenaphthene	ND		0.033	220	1	04/15/14 16:33	LDD	5490399
Acenaphthylene	ND		0.033	88	1	04/15/14 16:33	LDD	5490399
Anthracene	ND		0.033	120	1	04/15/14 16:33	LDD	5490399
Benz(a)anthracene	ND		0.033	0.62	1	04/15/14 16:33	LDD	5490399
Benzo(a)pyrene	ND		0.033	0.33	1	04/15/14 16:33	LDD	5490399
Benzo(b)fluoranthene	ND		0.033	0.62	1	04/15/14 16:33	LDD	5490399
Benzo(k)fluoranthene	ND		0.033	6.2	1	04/15/14 16:33	LDD	5490399
Chrysene	ND		0.033	62	1	04/15/14 16:33	LDD	5490399
Dibenz(a,h)anthracene	ND		0.033	0.33	1	04/15/14 16:33	LDD	5490399
Fluoranthene	ND		0.033	220	1	04/15/14 16:33	LDD	5490399
Fluorene	ND		0.033	230	1	04/15/14 16:33	LDD	5490399
Indeno(1,2,3-cd)pyrene	ND		0.033	0.62	1	04/15/14 16:33	LDD	5490399
Naphthalene	ND		0.033	1.5	1	04/15/14 16:33	LDD	5490399
Phenanthrene	ND		0.033	660	1	04/15/14 16:33	LDD	5490399
Pyrene	ND		0.033	230	1	04/15/14 16:33	LDD	5490399
Surr: 2-Fluorobiphenyl	88.8		% 43-128		1	04/15/14 16:33	LDD	5490399
Surr: 4-Terphenyl-d14	102		% 51-136		1	04/15/14 16:33	LDD	5490399
Surr: Nitrobenzene-d5	91.1		% 47-134		1	04/15/14 16:33	LDD	5490399

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:06	DWB	0.99

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:35 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-7 (11-13) **Collected:** 04/09/2014 15:20 **Lab Sample ID:** L0041795-03

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP				**MCL**	**MA_VPH_EPH**	**Units: mg/Kg**		
C10-C12 Aliphatics	110		1.7	230	1	04/24/14 12:56	E_G	5507904
C10-C12 Aromatics	ND		1.7	100	1	04/24/14 12:56	E_G	5507866
C12-C16 Aliphatics	**870**	**>MCL**	**3.3**	**370**	**1**	**04/24/14 12:56**	**E_G**	**5507904**
C12-C16 Aromatics	45		5	180	1	04/24/14 12:56	E_G	5507866
C16-C21 Aromatics	**280**	**>MCL**	**8.3**	**180**	**1**	**04/24/14 12:56**	**E_G**	**5507866**
C16-C35 Aliphatics	870		10	7100	1	04/24/14 12:56	E_G	5507904
C21-C35 Aromatics	53		10	180	1	04/24/14 12:56	E_G	5507866
Surr: 2-Fluorobiphenyl	31.3	MI	% 40-140		1	04/24/14 12:56	E_G	5507866
Surr: Chloro-octadecane	56.6		% 40-140		1	04/24/14 12:56	E_G	5507904
Surr: o-Terphenyl	133		% 40-140		1	04/24/14 12:56	E_G	5507866

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/22/2014 15:00	TJH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg		
Diesel Range Organics (C10-C28)	1300		50		10	04/14/14 9:31	JT1	5486970
Surr: o-Terphenyl	89.7		% 38-135		10	04/14/14 9:31	JT1	5486970

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:04	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:39 PM

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-7 (11-13) **Collected:** 04/09/2014 15:20 **Lab Sample ID:** L0041795-03

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP PAH BY EPA 8270D				**MCL**	**SW8270D**	**Units: mg/Kg**		
2-Methylnaphthalene	**7.3**	**>MCL**	**0.17**	**1.7**	**5**	**04/16/14 14:44**	**IHK**	**5492337**
Acenaphthene	ND		0.033	220	1	04/15/14 16:57	LDD	5490400
Acenaphthylene	ND		0.033	88	1	04/15/14 16:57	LDD	5490400
Anthracene	ND		0.033	120	1	04/15/14 16:57	LDD	5490400
Benz(a)anthracene	ND		0.033	0.62	1	04/15/14 16:57	LDD	5490400
Benzo(a)pyrene	ND		0.033	0.33	1	04/15/14 16:57	LDD	5490400
Benzo(b)fluoranthene	ND		0.033	0.62	1	04/15/14 16:57	LDD	5490400
Benzo(k)fluoranthene	ND		0.033	6.2	1	04/15/14 16:57	LDD	5490400
Chrysene	ND		0.033	62	1	04/15/14 16:57	LDD	5490400
Dibenz(a,h)anthracene	ND		0.033	0.33	1	04/15/14 16:57	LDD	5490400
Fluoranthene	0.11		0.033	220	1	04/15/14 16:57	LDD	5490400
Fluorene	0.88		0.033	230	1	04/15/14 16:57	LDD	5490400
Indeno(1,2,3-cd)pyrene	ND		0.033	0.62	1	04/15/14 16:57	LDD	5490400
Naphthalene	1.4		0.033	1.5	1	04/15/14 16:57	LDD	5490400
Phenanthrene	2.5		0.033	660	1	04/15/14 16:57	LDD	5490400
Pyrene	0.44		0.033	230	1	04/15/14 16:57	LDD	5490400
Surr: 2-Fluorobiphenyl	83.3		% 43-128		1	04/15/14 16:57	LDD	5490400
Surr: 2-Fluorobiphenyl	80.3		% 43-128		5	04/16/14 14:44	IHK	5492337
Surr: 4-Terphenyl-d14	102		% 51-136		1	04/15/14 16:57	LDD	5490400
Surr: 4-Terphenyl-d14	94.9		% 51-136		5	04/16/14 14:44	IHK	5492337
Surr: Nitrobenzene-d5	78.7		% 47-134		5	04/16/14 14:44	IHK	5492337
Surr: Nitrobenzene-d5	88.5		% 47-134		1	04/15/14 16:57	LDD	5490400

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:06	DWB	1.00
SW3546	04/12/2014 11:06	DWB	1.00

SPLP SEMIVOLATILE ORGANICS BY EPA 8270D				MCL	SW8270D	Units: mg/L	
2-Methylnaphthalene	0.016		0.0054		1	04/24/14 22:56	IHK	5509206
Surr: 2-Fluorobiphenyl	77.1		% 50-124		1	04/24/14 22:56	IHK	5509206
Surr: 4-Terphenyl-d14	84.1		% 57-133		1	04/24/14 22:56	IHK	5509206
Surr: Nitrobenzene-d5	74.5		% 51-138		1	04/24/14 22:56	IHK	5509206

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	04/22/2014 14:53	CT	1.08	SW1312	04/21/2014	JBW

Qualifiers:

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B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:43 PM

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-7 (27-30) **Collected:** 04/09/2014 15:24 **Lab Sample ID:** L0041795-04

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		5	65	1	04/13/14 23:11	JT1	5486959
Surr: o-Terphenyl	77.7		% 38-135		1	04/13/14 23:11	JT1	5486959

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:04	CT	1.00

RECAP PAH BY EPA 8270D				MCL	SW8270D	Units: mg/Kg		
2-Methylnaphthalene	ND		0.033	1.7	1	04/15/14 17:21	LDD	5490401
Acenaphthene	ND		0.033	220	1	04/15/14 17:21	LDD	5490401
Acenaphthylene	ND		0.033	88	1	04/15/14 17:21	LDD	5490401
Anthracene	ND		0.033	120	1	04/15/14 17:21	LDD	5490401
Benz(a)anthracene	ND		0.033	0.62	1	04/15/14 17:21	LDD	5490401
Benzo(a)pyrene	ND		0.033	0.33	1	04/15/14 17:21	LDD	5490401
Benzo(b)fluoranthene	ND		0.033	0.62	1	04/15/14 17:21	LDD	5490401
Benzo(k)fluoranthene	ND		0.033	6.2	1	04/15/14 17:21	LDD	5490401
Chrysene	ND		0.033	62	1	04/15/14 17:21	LDD	5490401
Dibenz(a,h)anthracene	ND		0.033	0.33	1	04/15/14 17:21	LDD	5490401
Fluoranthene	ND		0.033	220	1	04/15/14 17:21	LDD	5490401
Fluorene	ND		0.033	230	1	04/15/14 17:21	LDD	5490401
Indeno(1,2,3-cd)pyrene	ND		0.033	0.62	1	04/15/14 17:21	LDD	5490401
Naphthalene	ND		0.033	1.5	1	04/15/14 17:21	LDD	5490401
Phenanthrene	ND		0.033	660	1	04/15/14 17:21	LDD	5490401
Pyrene	ND		0.033	230	1	04/15/14 17:21	LDD	5490401
Surr: 2-Fluorobiphenyl	82.4		% 43-128		1	04/15/14 17:21	LDD	5490401
Surr: 4-Terphenyl-d14	95.3		% 51-136		1	04/15/14 17:21	LDD	5490401
Surr: Nitrobenzene-d5	80.7		% 47-134		1	04/15/14 17:21	LDD	5490401

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	04/12/2014 11:06	DWB	1.00

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:46 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-6/TW-6 **Collected:** 04/10/2014 9:50 **Lab Sample ID:** L0041795-05

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
PAHS BY EPA 8270D			**MCL**	**SW8270D**	**Units: mg/L**		
2-Methylnaphthalene	0.0072		0.00018	1	04/18/14 3:23	LDD	5495188
Acenaphthene	0.00051		0.00018	1	04/18/14 3:23	LDD	5495188
Acenaphthylene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Anthracene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Benz(a)anthracene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Benzo(a)pyrene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Benzo(b)fluoranthene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Benzo(k)fluoranthene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Chrysene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Dibenz(a,h)anthracene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Fluoranthene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Fluorene	0.00062		0.00018	1	04/18/14 3:23	LDD	5495188
Indeno(1,2,3-cd)pyrene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Naphthalene	0.0045		0.00018	1	04/18/14 3:23	LDD	5495188
Phenanthrene	0.00069		0.00018	1	04/18/14 3:23	LDD	5495188
Pyrene	ND		0.00018	1	04/18/14 3:23	LDD	5495188
Surr: 2-Fluorobiphenyl	58.1		% 41-124	1	04/18/14 3:23	LDD	5495188
Surr: 4-Terphenyl-d14	62.8		% 36-129	1	04/18/14 3:23	LDD	5495188
Surr: Nitrobenzene-d5	72.9		% 40-134	1	04/18/14 3:23	LDD	5495188

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	04/15/2014 12:00	CT	0.91

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/L	
Diesel Range Organics (C10-C28)	ND		0.15	0.15	1	04/14/14 3:46	DF	5489728
Surr: o-Terphenyl	58.0		% 47-125		1	04/14/14 3:46	DF	5489728

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/12/2014 11:26	CNR	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:50 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-7/TW-7 **Collected:** 04/10/2014 9:20 **Lab Sample ID:** L0041795-06

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
EXTRACTABLE PETROLEUM HYDROCARBONS- RECAP				**MCL**	**MA_VPH_EPH**		**Units: mg/L**	
C10-C12 Aliphatics	0.14		0.1	0.15	1	04/22/14 20:14	E_G	5504512
C10-C12 Aromatics	ND		0.1	0.15	1	04/22/14 20:14	E_G	5504503
C12-C16 Aliphatics	0.1		0.1	0.15	1	04/22/14 20:14	E_G	5504512
C12-C16 Aromatics	ND		0.1	0.15	1	04/22/14 20:14	E_G	5504503
C16-C21 Aromatics	ND		0.1	0.15	1	04/22/14 20:14	E_G	5504503
C16-C35 Aliphatics	ND		0.1	7.3	1	04/22/14 20:14	E_G	5504512
C21-C35 Aromatics	ND		0.1	0.15	1	04/22/14 20:14	E_G	5504503
Surr: 2-Fluorobiphenyl	62.0		% 40-140		1	04/22/14 20:14	E_G	5504503
Surr: Chloro-octadecane	69.1		% 40-140		1	04/22/14 20:14	E_G	5504512
Surr: o-Terphenyl	62.5		% 40-140		1	04/22/14 20:14	E_G	5504503

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/12/2014 10:55	TJH	1.00

PAHS BY EPA 8270D				**MCL**	**SW8270D**		**Units: mg/L**	
2-Methylnaphthalene	0.25		0.0091		50	04/18/14 14:52	LDD	5496565
Acenaphthene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Acenaphthylene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Anthracene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Benz(a)anthracene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Benzo(a)pyrene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Benzo(b)fluoranthene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Benzo(k)fluoranthene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Chrysene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Dibenz(a,h)anthracene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Fluoranthene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Fluorene	0.021		0.0091		50	04/18/14 14:52	LDD	5496565
Indeno(1,2,3-cd)pyrene	ND		0.0091		50	04/18/14 14:52	LDD	5496565
Naphthalene	0.05		0.0091		50	04/18/14 14:52	LDD	5496565
Phenanthrene	0.044		0.0091		50	04/18/14 14:52	LDD	5496565
Pyrene	0.011		0.0091		50	04/18/14 14:52	LDD	5496565
Surr: 2-Fluorobiphenyl	41.9		% 41-124		50	04/18/14 14:52	LDD	5496565
Surr: 4-Terphenyl-d14	66.0		% 36-129		50	04/18/14 14:52	LDD	5496565
Surr: Nitrobenzene-d5	99.6		% 40-134		50	04/18/14 14:52	LDD	5496565

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	04/15/2014 12:00	CT	0.91

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:53 PM

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SB-7/TW-7 **Collected:** 04/10/2014 9:20 **Lab Sample ID:** L0041795-06

Site: LA RETIREMENT SYSTEMS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	**16**	**>MCL**		**0.15**	**0.15**	**1**	**04/14/14 5:20**	**DF**	**5493031**
Surr: o-Terphenyl	284	MI	%	47-125		1	04/14/14 5:20	DF	5493031

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	04/12/2014 11:26	CNR	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

4/28/2014 4:48:56 PM

Quality Control Documentation

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP **WorkOrder:** L0041795
Method: MA_VPH_EPH **Lab Batch ID:** 130497

Method Blank

RunID: TPHA_140422D-5504509 Units: mg/L
Analysis Date: 04/22/2014 18:47 Analyst: E_G
Preparation Date: 04/12/2014 10:55 Prep By: TJH Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-06C	SB-7/TW-7

Analyte	Result	Rep Limit
C10-C12 Aliphatics	ND	0.10
C12-C16 Aliphatics	ND	0.10
C16-C35 Aliphatics	ND	0.10
Surr: Chloro-octadecane	69.9	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140422D-5504510 Units: mg/L
Analysis Date: 04/22/2014 19:16 Analyst: E_G
Preparation Date: 04/12/2014 10:55 Prep By: TJH Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aliphatics	0.500	0.349	69.8	0.500	0.358	71.6	2.5	25	40	140
C12-C16 Aliphatics	1.00	0.619	61.9	1.00	0.501	50.1	21.0	25	40	140
C16-C35 Aliphatics	4.50	2.64	58.8	4.50	2.25	49.9	16.3	25	40	140
Surr: Chloro-octadecane	0.400	0.280	70.0	0.400	0.233	58.3	18.2	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041795
Lab Batch ID: 130497

Method Blank

RunID: TPHA_140422C-5504498 Units: mg/L
Analysis Date: 04/22/2014 18:47 Analyst: E_G
Preparation Date: 04/12/2014 10:55 Prep By: TJH Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-06C	SB-7/TW-7

Analyte	Result	Rep Limit
C10-C12 Aromatics	ND	0.10
C12-C16 Aromatics	ND	0.10
C16-C21 Aromatics	ND	0.10
C21-C35 Aromatics	ND	0.10
Surr: 2-Fluorobiphenyl	61.6	40-140
Surr: o-Terphenyl	63.7	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140422C-5504499 Units: mg/L
Analysis Date: 04/22/2014 19:16 Analyst: E_G
Preparation Date: 04/12/2014 10:55 Prep By: TJH Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aromatics	0.500	0.263	52.7	0.500	0.223	44.6	16.5	25	40	140
C12-C16 Aromatics	1.50	0.878	58.6	1.50	0.801	53.4	9.3	25	40	140
C16-C21 Aromatics	2.50	1.34	53.6	2.50	1.08	43.3	21.2	25	40	140
C21-C35 Aromatics	4.00	1.74	43.5	4.00	1.75	43.8	0.8	25	40	140
Surr: 2-Fluorobiphenyl	2.00	1.18	59.1	2.00	1.28	64.1	8.1	30	40	140
Surr: o-Terphenyl	0.400	0.221	55.1	0.400	0.210	52.5	4.9	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:25 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0041795
Method: SW8015C **Lab Batch ID:** 130502

Method Blank

RunID: TPHC_140413A-5489724 Units: mg/L
Analysis Date: 04/14/2014 0:15 Analyst: DF
Preparation Date: 04/12/2014 11:26 Prep By: CNR Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-05A	SB-6/TW-6
L0041795-06A	SB-7/TW-7

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.15
Surr: o-Terphenyl	70.5	47-125

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHC_140413A-5489725 Units: mg/L
Analysis Date: 04/14/2014 0:39 Analyst: DF
Preparation Date: 04/12/2014 11:26 Prep By: CNR Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	6.00	4.57	76.2	6.00	3.97	66.1	14.2	26	21	140
Surr: o-Terphenyl	0.100	0.0892	89.2	0.100	0.0824	82.4	7.9	30	47	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:28 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0041795
Method: SW8015C **Lab Batch ID:** 130510

Method Blank

RunID: TPHB_140414A-5486943 Units: mg/Kg
Analysis Date: 04/13/2014 16:21 Analyst: JT1
Preparation Date: 04/12/2014 11:04 Prep By: CT Method: SW3546

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: o-Terphenyl	80.9	38-135

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-01A	SB-6 (11-13)
L0041795-02A	SB-6 (27-30)
L0041795-03A	SB-7 (11-13)
L0041795-04A	SB-7 (27-30)

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHB_140414A-5486944 Units: mg/Kg
Analysis Date: 04/13/2014 16:41 Analyst: JT1
Preparation Date: 04/12/2014 11:04 Prep By: CT Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	150	132	87.9	150	132	87.8	0.1	20	45	102
Surr: o-Terphenyl	2.50	2.14	85.7	2.50	2.13	85.3	0.5	30	38	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041772-02
RunID: TPHB_140414A-5486946 Units: mg/Kg
Analysis Date: 04/13/2014 17:58 Analyst: JT1
Preparation Date: 04/12/2014 11:04 Prep By: CT Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	150	128	85.5	150	127	84.5	1.25	20	45	102
Surr: o-Terphenyl	ND	2.5	2.16	86.6	2.5	2.15	86.1	0.533	30	38	135

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:30 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041795
Lab Batch ID: 130863

Method Blank

RunID: TPHA_140424B-5507901 Units: mg/Kg
Analysis Date: 04/24/2014 10:56 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-03A	SB-7 (11-13)

Analyte	Result	Rep Limit
C10-C12 Aliphatics	ND	1.7
C12-C16 Aliphatics	ND	3.3
C16-C35 Aliphatics	ND	10
Surr: Chloro-octadecane	65.5	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140424B-5507902 Units: mg/Kg
Analysis Date: 04/24/2014 11:26 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aliphatics	5.00	2.60	52.0	5.00	2.86	57.2	9.5	25	40	140
C12-C16 Aliphatics	10.0	6.39	63.9	10.0	6.61	66.1	3.4	25	40	140
C16-C35 Aliphatics	45.0	32.1	71.4	45.0	33.2	73.7	3.2	25	40	140
Surr: Chloro-octadecane	5.00	4.19	83.8	5.00	4.33	86.5	3.1	30	40	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041795-03
RunID: TPHA_140424B-5507905 Units: mg/Kg
Analysis Date: 04/24/2014 13:27 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C10-C12 Aliphatics	114	4.95	97.1	N/C	4.93	1.66	N/C	N/C	50	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:32 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041795
Lab Batch ID: 130863

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041795-03
RunID: TPHA_140424B-5507905 Units: mg/Kg
Analysis Date: 04/24/2014 13:27 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C12-C16 Aliphatics	867	9.9	520	N/C	9.85	627	N/C	N/C	50	40	140
C16-C35 Aliphatics	874	44.6	524	N/C	44.3	1010	N/C	N/C	50	40	140
Surr: Chloro-octadecane	ND	4.95	2.58	52.1	4.93	3.01	61.1	15.2	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:33 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP
Method: MA_VPH_EPH
WorkOrder: L0041795
Lab Batch ID: 130863

Method Blank

RunID: TPHA_140424A-5507863 Units: mg/Kg
Analysis Date: 04/24/2014 10:56 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-03A	SB-7 (11-13)

Analyte	Result	Rep Limit
C10-C12 Aromatics	ND	1.7
C12-C16 Aromatics	ND	5.0
C16-C21 Aromatics	ND	8.3
C21-C35 Aromatics	ND	10
Surr: 2-Fluorobiphenyl	92.9	40-140
Surr: o-Terphenyl	69.0	40-140

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHA_140424A-5507864 Units: mg/Kg
Analysis Date: 04/24/2014 11:26 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C10-C12 Aromatics	5.00	2.20	44.0	5.00	2.18	43.7	0.8	25	40	140
C12-C16 Aromatics	15.0	8.37	55.8	15.0	8.15	54.3	2.6	25	40	140
C16-C21 Aromatics	25.0	15.9	63.7	25.0	15.3	61.4	3.8	25	40	140
C21-C35 Aromatics	40.0	17.1	42.8	40.0	17.0	42.5	0.7	25	40	140
Surr: 2-Fluorobiphenyl	12.5	9.00	72.0	12.5	8.77	70.2	2.6	30	40	140
Surr: o-Terphenyl	5.00	3.72	74.4	5.00	3.64	72.7	2.3	30	40	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0041795-03
RunID: TPHA_140424A-5507872 Units: mg/Kg
Analysis Date: 04/24/2014 13:27 Analyst: E_G
Preparation Date: 04/22/2014 15:00 Prep By: TJH Method: SW3546

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/28/2014 4:49:36 PM

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: Extractable Petroleum Hydrocarbons- RECAP **WorkOrder:** L0041795
Method: MA_VPH_EPH **Lab Batch ID:** 130863

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
C10-C12 Aromatics	ND	4.95	1.15	23.3 *	4.93	0.589	12.0 *	64.7 *	50	40	140
C12-C16 Aromatics	45.0	14.9	1.89	-290 *	14.8	72.4	186 *	190 *	50	40	140
C16-C21 Aromatics	282	24.8	128	N/C	24.6	281	N/C	N/C	50	40	140
C21-C35 Aromatics	52.8	39.6	43.9	-22.5 *	39.4	60.7	20.1 *	32.2	50	40	140
Surr: 2-Fluorobiphenyl	ND	12.4	2.98	24.1 *	12.3	4.82	39.1 *	47.1 *	30	40	140
Surr: o-Terphenyl	ND	4.95	4.76	96.2	4.93	5.66	115	17.2	30	40	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: RECAP PAH by EPA 8270D
Method: SW8270D
WorkOrder: L0041795
Lab Batch ID: 130499

Method Blank

RunID: A_140415A-5490402 Units: mg/Kg
Analysis Date: 04/15/2014 11:18 Analyst: LDD
Preparation Date: 04/12/2014 11:06 Prep By: DW Method: SW3546

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	0.033
Acenaphthene	ND	0.033
Acenaphthylene	ND	0.033
Anthracene	ND	0.033
Benz(a)anthracene	ND	0.033
Benzo(a)pyrene	ND	0.033
Benzo(b)fluoranthene	ND	0.033
Benzo(k)fluoranthene	ND	0.033
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Indeno(1,2,3-cd)pyrene	ND	0.033
Naphthalene	ND	0.033
Phenanthrene	ND	0.033
Pyrene	ND	0.033
Surr: 2-Fluorobiphenyl	94.9	43-128
Surr: 4-Terphenyl-d14	106.2	51-136
Surr: Nitrobenzene-d5	94.9	47-134

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-01A	SB-6 (11-13)
L0041795-02A	SB-6 (27-30)
L0041795-03A	SB-7 (11-13)
L0041795-04A	SB-7 (27-30)

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: A_140415A-5490403 Units: mg/Kg
Analysis Date: 04/15/2014 11:42 Analyst: LDD
Preparation Date: 04/12/2014 11:06 Prep By: DW Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Methylnaphthalene	2.50	2.07	82.7	2.50	2.20	88.0	6.3	26	57	112
Acenaphthene	2.50	2.08	83.1	2.50	2.20	87.9	5.6	26	56	115
Acenaphthylene	2.50	2.20	87.8	2.50	2.32	92.6	5.3	27	55	120
Anthracene	2.50	2.16	86.4	2.50	2.25	90.2	4.3	27	55	115
Benz(a)anthracene	2.50	2.17	86.9	2.50	2.28	91.1	4.7	22	60	109
Benzo(a)pyrene	2.50	2.25	90.1	2.50	2.36	94.3	4.5	27	59	115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: **RECAP PAH by EPA 8270D** **WorkOrder:** **L0041795**
Method: **SW8270D** **Lab Batch ID:** **130499**

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: A_140415A-5490403 Units: mg/Kg
Analysis Date: 04/15/2014 11:42 Analyst: LDD
Preparation Date: 04/12/2014 11:06 Prep By: DW Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(b)fluoranthene	2.50	2.25	89.9	2.50	2.40	96.1	6.6	28	56	115
Benzo(k)fluoranthene	2.50	2.34	93.7	2.50	2.43	97.4	3.9	35	46	131
Chrysene	2.50	2.15	86.0	2.50	2.26	90.2	4.8	24	54	116
Dibenz(a,h)anthracene	2.50	2.27	90.8	2.50	2.43	97.0	6.7	20	56	121
Fluoranthene	2.50	2.13	85.2	2.50	2.26	90.3	5.8	28	55	118
Fluorene	2.50	2.07	82.6	2.50	2.21	88.6	6.9	27	51	123
Indeno(1,2,3-cd)pyrene	2.50	2.23	89.1	2.50	2.38	95.1	6.5	29	50	125
Naphthalene	2.50	2.05	82.2	2.50	2.19	87.7	6.5	27	51	118
Phenanthrene	2.50	2.23	89.0	2.50	2.35	93.8	5.3	27	55	118
Pyrene	2.50	2.27	91.0	2.50	2.37	94.8	4.1	27	57	115
Surr: 2-Fluorobiphenyl	2500	2160	86.5	2500	2310	92.4	6.6	30	43	128
Surr: 4-Terphenyl-d14	2500	2370	94.6	2500	2550	102	7.6	30	51	136
Surr: Nitrobenzene-d5	2500	2240	89.4	2500	2420	96.6	7.7	30	47	134

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: PAHs by EPA 8270D
Method: SW8270D
WorkOrder: L0041795
Lab Batch ID: 130579

Method Blank

RunID: GCMS1C_140417A-5493443 Units: mg/L
Analysis Date: 04/17/2014 12:47 Analyst: LDD
Preparation Date: 04/15/2014 12:00 Prep By: CT Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-05B	SB-6/TW-6
L0041795-06B	SB-7/TW-7

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	0.00020
Acenaphthene	ND	0.00020
Acenaphthylene	ND	0.00020
Anthracene	ND	0.00020
Benz(a)anthracene	ND	0.00020
Benzo(a)pyrene	ND	0.00020
Benzo(b)fluoranthene	ND	0.00020
Benzo(k)fluoranthene	ND	0.00020
Chrysene	ND	0.00020
Dibenz(a,h)anthracene	ND	0.00020
Fluoranthene	ND	0.00020
Fluorene	ND	0.00020
Indeno(1,2,3-cd)pyrene	ND	0.00020
Naphthalene	ND	0.00020
Phenanthrene	ND	0.00020
Pyrene	ND	0.00020
Surr: 2-Fluorobiphenyl	89.1	41-124
Surr: 4-Terphenyl-d14	98.8	36-129
Surr: Nitrobenzene-d5	78.5	40-134

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCMS1C_140417A-549368 Units: mg/L
Analysis Date: 04/17/2014 15:06 Analyst: LDD
Preparation Date: 04/15/2014 12:00 Prep By: CT Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1-Methylnaphthalene	0.00455	0.00365	80.3	0.00455	0.00367	80.6	0.4	27	56	120
2-Methylnaphthalene	0.00455	0.00345	76.0	0.00455	0.00356	78.3	3.1	26	58	119
Acenaphthene	0.00455	0.00394	86.6	0.00455	0.00414	91.1	5.1	25	58	114
Acenaphthylene	0.00455	0.00421	92.7	0.00455	0.00433	95.3	2.7	32	57	127
Anthracene	0.00455	0.00419	92.1	0.00455	0.00412	90.7	1.6	27	57	117
Benz(a)anthracene	0.00455	0.00422	92.9	0.00455	0.00427	93.9	1.0	27	54	116

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: PAHs by EPA 8270D
Method: SW8270D
WorkOrder: L0041795
Lab Batch ID: 130579

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: GCMS1C_140417A-549368 Units: mg/L
Analysis Date: 04/17/2014 15:06 Analyst: LDD
Preparation Date: 04/15/2014 12:00 Prep By: CT Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(a)pyrene	0.00455	0.00383	84.2	0.00455	0.00378	83.2	1.2	27	55	126
Benzo(b)fluoranthene	0.00455	0.00420	92.4	0.00455	0.00413	90.8	1.8	31	52	124
Benzo(g,h,i)perylene	0.00455	0.00380	83.6	0.00455	0.00379	83.5	0.2	29	52	127
Benzo(k)fluoranthene	0.00455	0.00408	89.7	0.00455	0.00412	90.6	1.0	31	54	126
Chrysene	0.00455	0.00405	89.0	0.00455	0.00414	91.0	2.2	26	55	116
Dibenz(a,h)anthracene	0.00455	0.00353	77.6	0.00455	0.00358	78.7	1.4	33	46	129
Fluoranthene	0.00455	0.00430	94.6	0.00455	0.00427	94.0	0.6	27	56	124
Fluorene	0.00455	0.00387	85.1	0.00455	0.00411	90.3	6.0	28	54	120
Indeno(1,2,3-cd)pyrene	0.00455	0.00396	87.0	0.00455	0.00393	86.4	0.7	31	51	130
Naphthalene	0.00455	0.00359	79.0	0.00455	0.00370	81.4	2.9	25	58	114
Phenanthrene	0.00455	0.00383	84.3	0.00455	0.00387	85.2	1.1	25	56	115
Pyrene	0.00455	0.00408	89.7	0.00455	0.00408	89.7	0.0	29	55	122
Surr: 2-Fluorobiphenyl	4.55	3.85	84.6	4.55	4.12	90.6	6.9	30	41	124
Surr: 4-Terphenyl-d14	4.55	4.36	95.9	4.55	4.36	96.0	0.1	30	36	129
Surr: Nitrobenzene-d5	4.55	3.44	75.6	4.55	3.56	78.4	3.6	30	40	134

Qualifiers:
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MI - Matrix Interference
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

503124

Analysis: SPLP Semivolatile Organics by EPA 8270D **WorkOrder:** L0041795
Method: SW8270D **Lab Batch ID:** 130840

Method Blank

RunID: A_140424A-5507938 Units: mg/L
Analysis Date: 04/24/2014 15:21 Analyst: IHK
Preparation Date: 04/22/2014 14:53 Prep By: CT Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0041795-03A	SB-7 (11-13)

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	0.0050
Surr: 2-Fluorobiphenyl	77.1	50-124
Surr: 4-Terphenyl-d14	89.7	57-133
Surr: Nitrobenzene-d5	72.3	51-138

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: A_140424A-5507939 Units: mg/L
Analysis Date: 04/24/2014 15:47 Analyst: IHK
Preparation Date: 04/22/2014 14:53 Prep By: CT Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Methylnaphthalene	0.0500	0.0398	79.6	0.0500	0.0417	83.3	4.6	18	53	118
Surr: 2-Fluorobiphenyl	50.0	40.9	81.9	50.0	43.5	87.0	6.1	30	50	124
Surr: 4-Terphenyl-d14	50.0	45.5	90.9	50.0	49.2	98.5	8.0	30	57	133
Surr: Nitrobenzene-d5	50.0	38.7	77.3	50.0	40.5	81.1	4.7	30	51	138

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
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Version 2.1 - Modified February 11, 2011

Sample Receipt Checklist

And

Chain of Custody

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	**L0041795**	Received By:	**HJC**
Date and Time Received:	**4/11/2014 4:03:00 PM**	Carrier name:	**Accutest-Delivery**
Temperature:	**2.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☐	No ☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

Accutest Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Gulf Coast/SPL Environmental
500 Ambassador Caffery Pkwy Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7837
www.accutest.com/www.spl-inc.com

PAGE 1 OF 1

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # L0041795

Client / Reporting Information

Company Name: PPM Consultants, Inc
Street Address: 7936 Office Park Blvd, Suite A
City: Baton Rouge State: LA Zip: 70809
Project Contact: Adrian Bain E-mail:
Phone #: 225-293-7270 Fax #:
Sampler(s) Name(s): Adrian Bain Phone #: 225-293-7270

Project Information

Project Name: LA Retirement Systems
Street: 8401 United Plaza
City: Baton Rouge State: LA
Project #: 503124
Client Purchase Order #:
Project Manager: Peter Smith

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	ZA/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	DRO	PAH BY 8270	EPH (Hold)	SPLP (Hold)							LAB USE ONLY
	SB-6 (11-13)	4-9-14	1148	AB	SO	2						2							✓	✓	✓	✓						2	
	SB-6 (27-30)	4-9-14	1152	AB	SO	2						2							✓	✓	✓	✓						2	
	SB-7 (11-13)	4-9-14	1520	AB	SO	2						2							✓	✓	✓	✓						2	
	SB-7 (27-30)	4-9-14	1524	AB	SO	2						2							✓	✓	✓	✓						2	
	SB-6 / TW-6	4-10-14	0950	AB	GW	8	3					5							✓	✓	✓							8	
	SB-7 / TW-7	4-10-14	0920	AB	GW	8	3					5							✓	✓	✓							8	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

Turnaround Time (Business days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Standard PPM Rates will apply RU-105 (12)
Accutest driver
Received at Baton Rouge
Service Center

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	4-11-14/1110	1 [signature]	2 [signature]	4/11/14 1258	2 Renee Sam
3 Renee Sam 4/11/14	1603	3 [signature]	4		4
5		5 [signature]	Custody Seal # [illegible]	☐ Intact ☑ Not intact	Preserved where applicable ☐ On Ice ☑ Cooler Temp. 2.5 4-11-14 (2.5) CF

APPENDIX F – RECAP FORMS

RECAP FORM 1
RECAP SUBMITTAL SUMMARY

A completed RECAP Submittal Summary form shall be included as the first page of the RECAP Submittal.

1. Agency Interest Name: Louisiana Retirement Systems Building Partnership
2. AI#: 79956
3. Name of Area of Investigation: AOI No. 1 – Industrial Soil 0-15; AOI No. 2 – Industrial Soil >15 Feet BGS; AOI No. 3 – Groundwater ; AOI No. 4 – Industrial Soil BES; AOI No. 5 – Groundwater BES
4. Facility Owner Name: Beau Box Property Management
5. Facility Owner Mailing Address: P.O. Box 66865
Baton Rouge, LA 70896
6. Facility Operator Name: Beau Box Property Management
7. Facility Operator Mailing Address: P.O. Box 66865
Baton Rouge, LA 70896
8. Facility Physical Address: 8401 United Plaza Boulevard
Baton Rouge, LA
9. Parish: East Baton Rouge Parish
10. Latitude/Longitude of Primary Facility Entrance: 30° 24'46.5"/91° 05' 49.3"
11. Latitude/Longitude Method: MAP
12. Facility Contact Person: Mr. Layne Roberts
13. Facility Contact Person's Phone Number: (225) 237-3343
14. Facility Contact Person's Mailing Address: P.O. Box 66865
Baton Rouge, LA 70896
15. Facility Contact Person's E-mail Address:
16. Area of Investigation Location: Baton Rouge, Louisiana
17. Area of Investigation Size: 0.02066 acres
18. Horizontal and Vertical Extent of the Area of Investigation has been identified: ☒ Yes ☐ No
19. Describe the Current and Historical Uses of the Property on which the AOI is located and the Time Periods for Each Use/Activity: The site is currently and historically, utilized as a professional office building. The diesel UST is used to fuel the building's emergency generator.
20. Indicate How Release Occurred (if known): UST release
21. List Constituents Released (if known): TPH-D, PAHs

22. RECAP Submittal Date: June 30, 215

23. RECAP Submittal Prepared by: Chasity H. Reed

24. RECAP Submittal Preparer's Employer: PPM Consultants, Inc.

25. RECAP Submittal Preparer's Phone Number: 318-323-7270

26. Site Ranking: ☐ Class 1 ☐ Class 2 ☐ Class 3 ☒ Class 4

27. Media Impacted:
☐ Surface Soil
☒ Potential Surface Soil
☒ Subsurface Soil
☐ Groundwater 1A
☐ Groundwater 1B
☐ Groundwater 2A
☐ Groundwater 2B
☐ Groundwater 2C
☒ Groundwater 3A
☐ Groundwater 3B
☐ Groundwater Classification Unknown
☐ Surface Water
☐ Sediment
☐ Biota

28. Is soil present at 0-3 feet BGS impacted? ☐ Yes ☒ No

29. Release Volume: Unknown

30. Is NAPL Present: ☐ Yes ☒ No

31. Aquifer: Southeast LA Aquifer System Surficial Confining Unit

(a) Distance from AOC/AOI to the nearest downgradient property boundary: 50 ft

(b) Distance from AOC/AOI to the nearest downgradient surface water body: 1,300 ft

(c) Depth from known contamination to the nearest Groundwater Classification 1 aquifer: 1,191 ft

(d) If a GW 1 or 2 aquifer, distance from POC to nearest downgradient drinking water wells:

32. Distance from known contamination to nearest enclosed occupied structure: NA

33. Depth Groundwater First Encountered: 12 ft

34. Distance from POC to POE: 1,300 ft

35. Dilution Factor Applied: 1902

36. Fractional Organic Carbon Content: 0.006 (default)

37. Current Land Use: ☐ Non-Industrial ☒ Industrial NAICS:

38. Potential Future Land Use: ☐ Non-Industrial ☒ Industrial NAICS:

39. Is there Offsite Contamination? ☐ Yes ☐ No

(a) If Yes, Land Use Offsite: ☐ Non-Industrial ☐ Industrial NAICS:

(b) If Yes, Identify the Landowner(s), Lessee(s), and/or Servitude Holder(s): _____

40. Management Option(s) Applied at the AOI: ☒ SO ☒ MO-1 ☒ MO-2 ☐ MO-3

41. Provide documentation that the AOI meets the criteria for the Option implemented:
The AOIs meet the criteria listed in the RECAP Document for the Options used.

42. Current Status of the AOI:

(a) The AOIs will be further evaluated under: ☐ MO-1 ☒ MO-2 ☐ MO-3

(b) Medium for further evaluation: Groundwater

(c) Exceedances:

AOI No. 5 – Groundwater

☐ LSS ☒ AOIC ☐ MO-1 LRS ☐ CC ☒ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	--	--	FP	349
Aliphatics C12-C16	--	--	FP	82
Aliphatics C16-C35	--	--	FP	1,913
Aromatics C10-C12	--	--	FP	1,913
Aromatics C12-C16	--	--	FP	1,913
Aromatics C16-C21	--	--	FP	1,913
Aromatics C21-C35	--	--	FP	1,913
Acenaphthene	--	--	FP	4.2
Acenaphthylene	--	--	FP	16
Anthracene	--	--	FP	0.043
Benz(a)anthracene	--	--	FP	0.0078
Benzo(a)pyrene	--	--	FP	0.0016
Benzo(b)fluoranthene	--	--	FP	0.0048
Benzo(k)fluoranthene	--	--	FP	0.0025
Chrysene	--	--	FP	0.0016
Dibenz(a,h)anthracene	--	--	FP	0.0025
Fluoranthene	--	--	FP	0.21
Fluorene	--	--	FP	2
Indeno(1,2,3-cd)pyrene	--	--	FP	0.0037
2-Methylnaphthalene	--	--	FP	25
Naphthalene	--	--	FP	12
Phenanthrene	--	--	FP	1.2
Pyrene	--	--	FP	0.14

43. The AOI will be remediated under: ☐ SO ☐ MO-1 ☒ MO-2 ☐ MO-3

(a) Medium requiring: Groundwater

(b) Corrective Action Standards: ☐ Non-Industrial: ☒ Industrial

(c) Institutional Controls are Proposed? ☐ Yes ☒ No ☐ Institutional Controls Already Present

(d) Interim Corrective Actions Have Been Performed: ☒ Yes ☐ No ☐ Not Applicable

If Yes, explain:

(e) PPM and Gator Environmental visited the site on April 10, 2014, May 29, 2014, June 2, 2014, June 24, 2014, and February 5, 2015, to conduct mobile dual-phase vacuum extraction (MDPVE) events on monitor well MW-1. Additionally, PPM hand-bailed free product from monitor well MW-1 and temporary monitor well TW-7 several times during the course of this investigation and a skimmer was installed in monitor well MW-1 on August 21, 2014, to recover free product. A total of approximately 156 gallons of free product were recovered during the hand-bailing and MDPVE events. Free product was not observed in temporary monitor wells TW-4, TW-5, or TW-6 during the course of this investigation. Temporary monitor wells TW-2 and TW-3 were destroyed during removal of the UST on April 23, 2014.

44. Exceedences and Corrective Action Standards to be applied:

AOI No. 5 – Groundwater

☐ LSS ☒ AOIC ☐ MO-1 LRS ☐ CC ☒ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	--	--	FP	349
Aliphatics C12-C16	--	--	FP	82
Aliphatics C16-C35	--	--	FP	1,913
Aromatics C10-C12	--	--	FP	1,913
Aromatics C12-C16	--	--	FP	1,913
Aromatics C16-C21	--	--	FP	1,913
Aromatics C21-C35	--	--	FP	1,913
Acenaphthene	--	--	FP	4.2
Acenaphthylene	--	--	FP	16
Anthracene	--	--	FP	0.043
Benz(a)anthracene	--	--	FP	0.0078
Benzo(a)pyrene	--	--	FP	0.0016
Benzo(b)fluoranthene	--	--	FP	0.0048
Benzo(k)fluoranthene	--	--	FP	0.0025
Chrysene	--	--	FP	0.0016
Dibenz(a,h)anthracene	--	--	FP	0.0025
Fluoranthene	--	--	FP	0.21
Fluorene	--	--	FP	2
Indeno(1,2,3-cd)pyrene	--	--	FP	0.0037
2-Methylnaphthalene	--	--	FP	25
Naphthalene	--	--	FP	12
Phenanthrene	--	--	FP	1.2
Pyrene	--	--	FP	0.14

45. All constituent concentrations in all impacted media:

☒ comply with the applicable RECAP standards; or
☐ have been remediated to the applicable RECAP; or

☐ alternate remediation standards and a NFA-ATT determination is being requested, and;

(a) RECAP Standards Applied: ☐ Non-Industrial ☐ Industrial

(b) There are institutional controls on this property: ☐ Yes ☐ No

(c) If yes, type of institutional control employed: _____

(d) If applicable, the conveyance notice has been filed with the (parish) Clerk of Court noting that the AOI was closed under industrial standards.

46. RECAP Standards Applied at the AOI:

Medium: Soil and groundwater

AOI No. 1 – Industrial Soil 0-15 Feet BGS

☒ LSS ☒ AOIC ☐ MO-1 LRS ☐ CC ☐ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	6.7	1,955	--	--
Aliphatics C12-C16	35	3,772	--	--
Aliphatics C16-C35	39	10,000	--	--
Aromatics C10-C12	<1.7	102	--	--
Aromatics C12-C16	7.7	203	--	--
Aromatics C16-C21	14	1,746	--	--
Aromatics C21-C35	<10	2,518	--	--

AOI No. 2 – Industrial Soil >15 Feet BGS

☐ LSS ☒ AOIC ☒ MO-1 LRS ☐ CC ☐ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aromatics C12-C16	240	10,000	--	--

AOI No. 3 – Groundwater

☐ LSS ☒ AOIC ☒ MO-1 LRS ☐ CC ☐ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	--	--	0.19	698
Aliphatics C12-C16	--	--	0.24	165
Aromatics C12-C16	--	--	0.29	3,045
Aromatics C16-C21	--	--	0.18	3,045
Aromatics C21-C35	--	--	0.26	3,045

AOI No. 4 – Industrial Soil BES

☐ LSS ☒ AOIC ☐ MO-1 LRS ☐ CC ☒ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	1,300	1,428	--	--
Aliphatics C12-C16	1,300	1,428	--	--
Aliphatics C16-C35	1,300	1,428	--	--
Aromatics C10-C12	1,300	1,428	--	--
Aromatics C12-C16	1,300	1,428	--	--
Aromatics C16-C21	1,300	1,428	--	--
Aromatics C21-C35	1,300	1,428	--	--
Acenaphthene	<0.033	15,311	--	--
Acenaphthylene	<0.033	46,135	--	--
Anthracene	<0.033	30,068	--	--
Benz(a)anthracene	<0.033	2.9	--	--
Benzo(a)pyrene	<0.033	0.33	--	--
Benzo(b)fluoranthene	<0.033	2.9	--	--
Benzo(k)fluoranthene	<0.033	29	--	--
Chrysene	0.037	286	--	--
Dibenz(a,h)anthracene	<0.033	0.33	--	--
Fluoranthene	0.11	7,213	--	--
Fluorene	0.88	17,832	--	--
Indeno(1,2,3-cd)pyrene	<0.033	2.9	--	--
2-Methylnaphthalene	7.3	551	--	--
Naphthalene	1.4	54	--	--
Phenanthrene	2.5	29,480	--	--
Pyrene	0.44	18,689	--	--

AOI No. 5 – Groundwater

☐ LSS ☒ AOIC ☐ MO-1 LRS ☐ CC ☒ MO-2 LRS Constituent of Concern	Soil Concentration (mg/kg)	Soil RECAP Standards (mg/kg)	Groundwater Concentration (mg/l)	Groundwater RECAP Standards (mg/l)
Aliphatics C10-C12	--	--	FP	349
Aliphatics C12-C16	--	--	FP	82
Aliphatics C16-C35	--	--	FP	1,913
Aromatics C10-C12	--	--	FP	1,913
Aromatics C12-C16	--	--	FP	1,913
Aromatics C16-C21	--	--	FP	1,913
Aromatics C21-C35	--	--	FP	1,913
Acenaphthene	--	--	FP	4.2
Acenaphthylene	--	--	FP	16
Anthracene	--	--	FP	0.043
Benz(a)anthracene	--	--	FP	0.0078
Benzo(a)pyrene	--	--	FP	0.0016
Benzo(b)fluoranthene	--	--	FP	0.0048
Benzo(k)fluoranthene	--	--	FP	0.0025
Chrysene	--	--	FP	0.0016
Dibenz(a,h)anthracene	--	--	FP	0.0025
Fluoranthene	--	--	FP	0.21
Fluorene	--	--	FP	2

Indeno(1,2,3-cd)pyrene	--	--	FP	0.0037
2-Methylnaphthalene	--	--	FP	25
Naphthalene	--	--	FP	12
Phenanthrene	--	--	FP	1.2
Pyrene	--	--	FP	0.14

47. Provide documentation that the AOIC and/or CC will continue to comply with the applicable standard:
Standards developed in the attached RECAP Report shall be designated as the target remediation levels for impacted soil and groundwater and remedial actions shall be conducted to reach these levels.

48. If groundwater was impacted, provide a description of aquifer use and list the locations and depths of the nearest drinking water supply wells:
The nearest drinking water well (DNR No. 144) is located approximately 1230 feet from the site and is installed to a depth of 620 feet into the "400-Foot" Sand of Baton Rouge Area.

49. Provide: (a) a description of the remedial actions implemented; (b) verification that the source has been removed/mitigated and that residual constituent concentrations comply with the LSS or LRS: and (c) a discussion on the offsite disposal of investigation and remediation wastes including types, quantities, disposal location, etc. Standards developed in the attached RECAP Report shall be designated as the target remediation levels for soil and groundwater and remedial actions will be conducted to reach these levels.

50. If applicable, discuss monitoring well plugging and abandonment:
Not applicable

51. Is there a Current or Potential Ecological Impact? ☐ Yes ☒ No

RECAP FORM 3
ANALYTICAL DATA EVALUATION

Date:	June 12, 2015
Facility Name:	Louisiana Retirement Systems Building Partnership
Agency Interest (AI#):	79956
Physical Site Location:	8401 United Plaza Boulevard, Baton Rouge, LA
Operation Address:	8401 United Plaza Boulevard, Baton Rouge, LA
Owner/Responsible Party Address:	P.O. Box 66865, Baton Rouge, LA 70896

1. Data Generation

1.A All sample collection was done in accordance to applicable RECAP collection guidelines. [X] Yes [ ] No

1.B All generated data was obtained using EPA Methodology, RECAP approved methodology (as found in text), or methodology pre-approved by the Department. Any modifications to methodology have been noted, explained and pre-approved by the Department. [X] Yes [ ] No

1.C All Data are analyte-specific and the identity and concentration are confirmed. [X] Yes [ ] No

1.D All data were generated by a LDEQ certified laboratory. [X] Yes [ ] No

2. Data Evaluation and Usability

2.A Methods used are appropriate for analyzed constituents:

1. Analysis used is specific for COCs. [X] Yes [ ] No

2. Results are produced with the most appropriate sensitive method. (e.g. not using portable field analytical instruments). [X] Yes [ ] No

2.B Sample Quantitation Limits (SQL)

Note: The SQL is not synonymous with the IDL (instrument detection limit) or the MDL (minimum detection limit). The SQL is derived after considering the effects of dilutions, loss of instrument sensitivity, matrix interferences, and other interferences effecting the lower-end accuracy of analysis, and therefore resulting in the elevation of the method detection limit. The SQL will be the only detection limit considered for comparison to limiting standards.

1. All SQLs are less than reference concentrations (RS or SS). [X] Yes [ ] No (If yes, proceed to Section 2C, Qualifiers and Codes).

2. Samples with SQLs greater than the limiting standard are not being reported as non-detected. (If yes, proceed to Item # 3 of this section). [X] Yes [ ] No

   If the SQL is higher than the limiting standard, and a non-detect is being reported, data may still be considered by the Department if all the below conditions are met:

   (a) The non-detect results make up less than 5-10 percent of a sample set for a considered individual COC.

   (b) The ND is not classified as being from a key sampling location (e.g. drinking water well).

   (c) Documentation provided by a LDEQ accredited laboratory (with supporting evidence) is included in the document demonstrating that a practical quantitation limit was not achievable due to site or sample-specific conditions.

   Have the above three conditions been met? [ ] Yes [ ] No

   Note: If one or more of the above conditions cannot be met, the total (100%) value of the PQL may be reported as a positive detected result.

   Will this option be used and annotated in the Report? [ ] Yes [ ] No

   Note: If all answers in this item are "no," analytical results will be rejected and re-sampling will be required.

3. Are sample results higher than both the PQL and the limiting standard? [ ] Yes [ ] No (If so, results may be used despite elevated PQL).

2.C Qualifiers and Codes

1. All qualifiers and codes for flagged data have been noted on form 3 and supporting documentation has been included in the laboratory information package. [ ] Yes [ ] No

2. All data with a qualifier of "R" (unusable data) do not come from critical sample points (if so, resample will be required). [ ] Yes [ ] No

3. All data with a qualifier of "J" (estimated concentrations) have been included as positive results. [ ] Yes [ ] No

2.D Blank Samples

1. Field and laboratory blanks showed no signs of contamination, and no constituents were detected in blanks. (If no constituents or contaminants were detected, proceed to 2E, Tentatively Identified Compounds). [ ] Yes [ ] No

2. Contaminants or constituents found in blanks can be considered common laboratory contaminants as defined by EPA (acetone, 2-butanone, methylene chloride, toluene, or phthalates); and the same contaminants found in site samples are present at quantities less than 10 times the levels found in blanks. (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

3. Contaminants or constituents found in blanks are not considered common laboratory contaminants as defined by EPA; and the same contaminants found in site samples are present at quantities less than 5 times the levels found in blanks (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

2.E Tentatively Identified Compounds (TIC)

All possible TIC have been identified, evaluation is supported with documentation in the text, and information conforms to the requirements as listed in Section 2.5 of the RECAP. [ ] Yes [ ] No

2.F Historical Data

1. All quantitative historical data has been reviewed by current QA/QC guidelines, and all applicable supporting information is justified and included in the report. [ ] Yes [ ] No

2. All qualitative historical data is verifiable, has not been used quantitatively, and has only been used in the development of a conceptual model. [ ] Yes [ ] No

3. Documentation

3.A Laboratory information package assembled as follows [X] Yes [ ] No:

1. Sample documentation (chains of custody, preparation time, time of analysis).
2. Sample and analyte identification and quantification.
3. Determination and documentation of sample quantitation limits (SQLs).
4. Initial and continuing calibration.
5. Performance evaluation samples (external QA or laboratory control samples)
6. Matrix spike recoveries.
7. Analytical error determination (determined with replicate samples).

8. Total measurement error determination summary. (Evaluates overall precision of measurement system from sample acquisition through analysis. Determined with field duplicate and matrix spike with matrix spike duplicate).
9. Explanation and supporting documentation for flagged data.

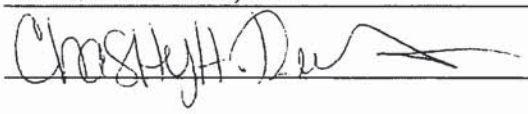
3.B All methods used in all analysis have produced tangible raw data (e.g. chromatograms, spectra, digital values), and are available to the Department upon request.
[X] Yes [ ] No

1. Representative data is included in documentation as examples of method procedures. [ ] Yes [ ] No

2. All flagged data is supported with complete associated tangible raw data. (e.g. depiction of matrix interferences, spiked recoveries reported outside of control limits, evidence for need for dilution etc.). [ ] Yes [ ] No

Note: Any "no" answer must be explained at the conclusion of this form. Items not applicable should be left unmarked.

4. Submitter Information

Date:	June 12, 2015
Name of Person submitting this evaluation:	Chasity H. Reed
Affiliation:	PPM Consultants, Inc.
Signature:	
Additional Preparers:	

RECAP FORM 10A
SCREENING OPTION SUBMITTAL FOR SOIL AOI NO. 1 - INDUSTRIAL SOIL 0-15 FEET BGS

SOIL – Identification of the Limiting SO SS:

COC	SoilSSi	$Soil_{SSGW}$	Limiting SS
Aliphatics >C10-C12	1955	10000	1955
Aliphatics >C12-C16	3772	10000	3772
Aliphatics >C16-C35	10000	10000	10000
Aromatics >C10-C12	1097	102	102
Aromatics >C12-C16	2140	203	203
Aromatics >C16-C21	1746	2083	1746
Aromatics >C21-C35	2518	10000	2518

SOIL – Identification of the AOIC:

COC	Maximum Concentration
Aliphatics >C10-C12	6.7
Aliphatics >C12-C16	35
Aliphatics >C16-C35	39
Aromatics >C10-C12	< 1.7
Aromatics >C12-C16	7.7
Aromatics >C16-C21	14
Aromatics >C21-C35	< 10

SO SOIL RECAP ASSESSMENT:

COC	Limiting SS	Maximum Concentration	AOIC Exceeds LSS?
Aliphatics >C10-C12	**1955**	**6.7**	**No**
Aliphatics >C12-C16	**3772**	**35**	**No**
Aliphatics >C16-C35	**10000**	**39**	**No**
Aromatics >C10-C12	**102**	**< 1.7**	**No**
Aromatics >C12-C16	**203**	**7.7**	**No**
Aromatics >C16-C21	**1746**	**14**	**No**
Aromatics >C21-C35	**2518**	**< 10**	**No**

RECAP FORM 10B
SCREENING OPTION SUBMITTAL FOR SOIL AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

SOIL – Identification of the Limiting SO SS:

COC	SoilSSi	$Soil_{SSGW}$	Limiting SS
Aliphatics >C10-C12	1955	10000	1955
Aliphatics >C12-C16	3772	10000	3772
Aliphatics >C16-C35	10000	10000	10000
Aromatics >C10-C12	1097	102	102
Aromatics >C12-C16	2140	203	203
Aromatics >C16-C21	1746	2083	1746
Aromatics >C21-C35	2518	10000	2518
Acenaphthene	6124	215	215
Acenaphthylene	5141	88	88
Anthracene	47808	121	121
Benz(a)anthracene	2.9	335	2.9
Benzo(a)pyrene	0.33	23	0.33
Benzo(b)fluoranthene	2.9	221	2.9
Benzo(k)fluoranthene	29	118	29
Chrysene	286	76	76
Dibenz(a,h)anthracene	0.33	536	0.33
Fluoranthene	2885	1213	1213
Fluorene	5407	226	226
Indeno(1,2,3-cd)pyrene	2.9	9	2.9
Methylnaphthalene,2-	165	1.7	1.7
Naphthalene	43	1.5	1.5
Phenanthrene	42533	665	665
Pyrene	5607	1101	1101

SOIL – Identification of the AOIC:

COC	Maximum Concentration
Aliphatics >C10-C12	380
Aliphatics >C12-C16	1300
Aliphatics >C16-C35	1300
Aromatics >C10-C12	7.8
Aromatics >C12-C16	240
Aromatics >C16-C21	460
Aromatics >C21-C35	80
Acenaphthene	< 0.033
Acenaphthylene	< 0.033
Anthracene	< 0.033
Benz(a)anthracene	< 0.033
Benzo(a)pyrene	< 0.033
Benzo(b)fluoranthene	< 0.033
Benzo(k)fluoranthene	< 0.033
Chrysene	< 0.033
Dibenz(a,h)anthracene	< 0.033
Fluoranthene	< 0.033
Fluorene	< 0.033

Indeno(1,2,3-cd)pyrene	< 0.033
Methylnaphthalene,2-	< 0.033
Naphthalene	< 0.033
Phenanthrene	< 0.033
Pyrene	< 0.033

SO SOIL RECAP ASSESSMENT:

COC	Limiting SS	Maximum Concentration	AOIC Exceeds LSS?
Aliphatics >C10-C12	1955	380	No
Aliphatics >C12-C16	3772	1300	No
Aliphatics >C16-C35	10000	1300	No
Aromatics >C10-C12	102	7.8	No
Aromatics >C12-C16	203	240	Yes
Aromatics >C16-C21	1746	460	No
Aromatics >C21-C35	2518	80	No
Acenaphthene	215	< 0.033	No
Acenaphthylene	88	< 0.033	No
Anthracene	121	< 0.033	No
Benz(a)anthracene	2.9	< 0.033	No
Benzo(a)pyrene	0.33	< 0.033	No
Benzo(b)fluoranthene	2.9	< 0.033	No
Benzo(k)fluoranthene	29	< 0.033	No
Chrysene	76	< 0.033	No
Dibenz(a,h)anthracene	0.33	< 0.033	No
Fluoranthene	1213	< 0.033	No
Fluorene	226	< 0.033	No
Indeno(1,2,3-cd)pyrene	2.9	< 0.033	No
Methylnaphthalene,2-	1.7	< 0.033	No
Naphthalene	1.5	< 0.033	No
Phenanthrene	665	< 0.033	No
Pyrene	1101	< 0.033	No

RECAP FORM 11

MANAGEMENT OPTION 1 SUBMITTAL FOR SOIL AOI NO. 4 - INDUSTRIAL SOIL BES

SOIL 0-15 ft bgs - Identification of the Limiting MO-1RS:

COC	Soili	Additivity Divisor	Final Soili	SoilGW3NDW	DF3	Final $Soil_{GW}$	Soilesi	Additivity Divisor	Final $Soil_{es}$	$Soil_{sat}$	Limiting MO-1 RS
Aliphatics >C10-C12	10,000	4	**2500**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Aliphatics >C12-C16	10,000	4	**2500**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Aliphatics >C16-C35	10,000	3	**3,333**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Aromatics >C10-C12	10,000	3	**3,333**	9559	248	**2,370,592**	NA	NA	**NA**	**NA**	**1,428***
Aromatics >C12-C16	10,000	3	**3,333**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Aromatics >C16-C21	10,000	1	**10,000**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Aromatics >C21-C35	10,000	1	**10,000**	10000	248	**2480000**	NA	NA	**NA**	**NA**	**1,428***
Acenaphthene	61,244	4	**15,311**	316	248	**78480**	252137	2	**126068**	**NA**	**15311**
Acenaphthylene	51,405	1	**51,405**	186	248	**46135**	131953	2	**65977**	**NA**	**46135**
Anthracene	478,084	1	**478,084**	121	248	**30068**	1000000	2	**500000**	**NA**	**30068**
Benz(a)anthracene	2.9	1	**2.9**	0.016	248	**4**	NA	NA	**NA**	**NA**	**2.9**
Benzo(a)pyrene	0.33	1	**0.33**	23	248	**5762**	NA	NA	**NA**	**NA**	**0.33**
Benzo(b)fluoranthene	2.9	1	**2.9**	13	248	**3324**	NA	NA	**NA**	**NA**	**2.9**
Benzo(k)fluoranthene	29	1	**29**	118	248	**29255**	NA	NA	**NA**	**NA**	**29**
Chrysene	286	1	**286**	1.8	248	**450**	NA	NA	**NA**	**NA**	**286**
Dibenz(a,h)anthracene	0.33	1	**0.33**	2	248	**484**	NA	NA	**NA**	**NA**	**0.33**
Fluoranthene	28,854	4	**7,213**	186	248	**46105**	NA	NA	**NA**	**NA**	**7213**
Fluorene	54,072	2	**27,036**	72	248	**17832**	644348	2	**322174**	**NA**	**17832**
Indeno(1,2,3-cd)pyrene	2.9	1	**2.9**	9.2	248	**2270**	NA	NA	**NA**	**NA**	**2.9**
Methylnaphthalene,2-	1,653	3	**551**	7.3	248	**1806**	3487	4	**872**	**NA**	**551**
Naphthalene	426	3	**142**	32	248	**8014**	218	4	**54**	**NA**	**54**
Phenanthrene	425,334	1	**425,334**	119	248	**29480**	1000000	2	**500000**	**NA**	**29480**
Pyrene	56,067	3	**18,689**	1101	248	**273002**	1000000	2	**500000**	**NA**	**18689**

*Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.

SOIL 0-15 ft bgs – Identification of the AOIC:

COC	Maximum Concentration	95% UCL-AM Concentration	AOI Concentration
Aliphatics >C10-C12	1300	-	1300
Aliphatics >C12-C16	1300	-	1300
Aliphatics >C16-C35	1300	-	1300
Aromatics >C10-C12	1300	-	1300
Aromatics >C12-C16	1300	-	1300
Aromatics >C16-C21	1300	-	1300
Aromatics >C21-C35	1300	-	1300
Acenaphthene	< 0.033	-	< 0.033
Acenaphthylene	< 0.033	-	< 0.033
Anthracene	< 0.033	-	< 0.033
Benz(a)anthracene	< 0.033	-	< 0.033
Benzo(a)pyrene	< 0.033	-	< 0.033

Benzo(b)fluoranthene	< 0.033	-	< 0.033
Benzo(k)fluoranthene	< 0.033	-	< 0.033
Chrysene	0.037	-	0.037
Dibenz(a,h)anthracene	< 0.033	-	< 0.033
Fluoranthene	0.11	-	0.11
Fluorene	0.88	-	0.88
Indeno(1,2,3-cd)pyrene	< 0.033	-	< 0.033
Methylnaphthalene,2-	7.3	-	7.3
Naphthalene	1.4	-	1.4
Phenanthrene	2.5	-	2.5
Pyrene	0.44	-	0.44

MO-1 SOIL 0-15 ft bgs RECAP ASSESSMENT:

COC	Limiting MO-1 RS	AOI Concentration	AOIC Exceeds MO-1 LRS?
Aliphatics >C10-C12	1,428*	1300	No
Aliphatics >C12-C16	1,428*	1300	No
Aliphatics >C16-C35	1,428*	1300	No
Aromatics >C10-C12	1,428*	1300	No
Aromatics >C12-C16	1,428*	1300	No
Aromatics >C16-C21	1,428*	1300	No
Aromatics >C21-C35	1,428*	1300	No
Acenaphthene	15,311	< 0.033	No
Acenaphthylene	46,135	< 0.033	No
Anthracene	30,068	< 0.033	No
Benz(a)anthracene	2.9	< 0.033	No
Benzo(a)pyrene	0.33	< 0.033	No
Benzo(b)fluoranthene	2.9	< 0.033	No
Benzo(k)fluoranthene	29	< 0.033	No
Chrysene	286	0.037	No
Dibenz(a,h)anthracene	0.33	< 0.033	No
Fluoranthene	7,213	0.11	No
Fluorene	17,832	0.88	No
Indeno(1,2,3-cd)pyrene	2.9	< 0.033	No
Methylnaphthalene,2-	551	7.3	No
Naphthalene	54	1.4	No
Phenanthrene	29,480	2.5	No
Pyrene	18,689	0.44	No

*Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.

RECAP FORM 12
MANAGEMENT OPTION 1 SUBMITTAL FOR SOIL AOI NO. 2 - INDUSTRIAL SOIL >15 FEET BGS

SOIL >15 ft bgs - Identification of the Limiting MO-1RS:

COC	SoilGW3NDW	DF3	Final $Soil_{GW}$	$Soil_{sat}$	Limiting MO-1 RS
Aromatics >C12-C16	10,000	248	**2,480,000**	**NA**	**10000***

SOIL >15 ft bgs – Identification of the AOIC:

COC	Maximum Concentration	95% UCL-AM Concentration	AOI Concentration
Aromatics >C12-C16	240	-	240

MO-1 SOIL >15 ft bgs RECAP ASSESSMENT:

COC	Limiting MO-1 RS	AOI Concentration	AOIC Exceeds MO-1 LRS?
Aromatics >C12-C16	10000*	240	No

*Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics.

RECAP FORM 15
SCREENING OPTION SUBMITTAL FOR GROUNDWATER AOI NO. 3 - GROUNDWATER

GROUNDWATER - Identification of the SO SS

COC	GW_{SS}
Aliphatics >C10-C12	0.15
Aliphatics >C12-C16	0.15
Aliphatics >C16-C35	7.3
Aromatics >C10-C12	0.15
Aromatics >C12-C16	0.15
Aromatics >C16-C21	0.15
Aromatics >C21-C35	0.15

GROUNDWATER - Compliance Concentration:

COC	Compliance Concentration
Aliphatics >C10-C12	0.19
Aliphatics >C12-C16	0.24
Aliphatics >C16-C35	0.35
Aromatics >C10-C12	< 0.1
Aromatics >C12-C16	0.29
Aromatics >C16-C21	0.18
Aromatics >C21-C35	0.26

SO GROUNDWATER RECAP ASSESSMENT:

COC	GW_{SS}	Compliance Concentration	CC Exceeds SS?
Aliphatics >C10-C12	0.15	0.19	Yes
Aliphatics >C12-C16	0.15	0.24	Yes
Aliphatics >C16-C35	7.3	0.35	No
Aromatics >C10-C12	0.15	< 0.1	No
Aromatics >C12-C16	0.15	0.29	Yes
Aromatics >C16-C21	0.15	0.18	Yes
Aromatics >C21-C35	0.15	0.26	Yes

RECAP FORM 16
MANAGEMENT OPTION 1 SUBMITTAL FOR GROUNDWATER AOI NO. 3 - GROUNDWATER

GROUNDWATER - Identification of the Limiting MO-1RS:

COC	GW3NDW	DF3	Final GW3NDW	NO GWes	Additivity Divisor	Final GW_{es}	GWairi	Additivity Divisor	Final GW_{air}	$Water_{SOL}$	Limiting MO-1 RS
Aliphatics >C10-C12	79	248	**19,506**	NA	NA	**NA**	698	1	**698**	**NA**	**698**
Aliphatics >C12-C16	79	248	**19,506**	NA	NA	**NA**	165	1	**165**	**NA**	**165**
Aromatics >C12-C16	31	248	**7,802**	NA	NA	**NA**	13,745	1	**13,745**	**NA**	**7,802**
Aromatics >C16-C21	24	248	**5,852**	NA	NA	**NA**	NA	NA	**NA**	**NA**	**5,852**
Aromatics >C21-C35	24	248	**5,852**	NA	NA	**NA**	NA	NA	**NA**	**NA**	**5,852**

GROUNDWATER - Compliance Concentration:

COC	Compliance Concentration
Aliphatics >C10-C12	0.19
Aliphatics >C12-C16	0.24
Aromatics >C12-C16	0.29
Aromatics >C16-C21	0.18
Aromatics >C21-C35	0.26

MO-1 GROUNDWATER RECAP ASSESSMENT:

COC	Limiting MO-1 RS	Compliance Concentration	CC Exceeds MO-1 LRS?
Aliphatics >C10-C12	**698**	**0.19**	**No**
Aliphatics >C12-C16	**165**	**0.24**	**No**
Aromatics >C12-C16	**7,802**	**0.29**	**No**
Aromatics >C16-C21	**5,852**	**0.18**	**No**
Aromatics >C21-C35	**5,852**	**0.26**	**No**

RECAP FORM 17

MANAGEMENT OPTION 2 SUBMITTAL FOR GROUNDWATER AOI NO. 5 - GROUNDWATER BES

GROUNDWATER - Identification of the Limiting RS:

COC	GW3NDW	DF3	Final GW3NDW	GWesi	Additivity Divisor	Final GW_{es}	GWairi	Additivity Divisor	Final GW_{air}	$Water_{sol}$	Limiting RS
Aliphatics >C10-C12	79	1902	**149596**	NA	NA	**NA**	698	2	**349**	**NA**	**349**
Aliphatics >C12-C16	79	1902	**149596**	NA	NA	**NA**	165	2	**82**	**NA**	**82**
Aliphatics >C16-C35	1,573	1902	**2991910**	NA	NA	**NA**	NA	NA	**NA**	**NA**	**1,913***
Aromatics >C10-C12	31	1902	**59838**	NA	NA	**NA**	8093	3	**2698**	**NA**	**1,913***
Aromatics >C12-C16	31	1902	**59838**	NA	NA	**NA**	13745	3	**4582**	**NA**	**1,913***
Aromatics >C16-C21	24	1902	**44879**	NA	NA	**NA**	NA	NA	**NA**	**NA**	**1,913***
Aromatics >C21-C35	24	1902	**44879**	NA	NA	**NA**	NA	NA	**NA**	**NA**	**1,913***
Acenaphthene	0.54	1902	**1020**	9642	1	**9642**	236549	1	**236549**	**4.2**	**4.2**
Acenaphthylene	0.77	1902	**1461**	12273	1	**12273**	299212	1	**299212**	**16**	**16**
Anthracene	0.11	1902	**217**	126419	1	**126419**	3040708	1	**3040708**	**0.043**	**0.043**
Benz(a)anthracene	0.00000038	1902	**0.001**	NA	NA	**NA**	NA	NA	**NA**	**0.009**	**0.0078****
Benzo(a)pyrene	0.0002	1902	**0.38**	NA	NA	**NA**	NA	NA	**NA**	**0.0016**	**0.0016**
Benzo(b)fluoranthene	0.00000016	1902	**0.0003**	NA	NA	**NA**	NA	NA	**NA**	**0.0015**	**0.0048****
Benzo(k)fluoranthene	0.0000016	1902	**0.0030**	NA	NA	**NA**	NA	NA	**NA**	**0.0008**	**0.0025****
Chrysene	0.000038	1902	**0.07**	NA	NA	**NA**	NA	NA	**NA**	**0.0016**	**0.0016**
Dibenz(a,h)anthracene	0.000000007	1902	**0.00001**	NA	NA	**NA**	NA	NA	**NA**	**0.0025**	**0.0025****
Fluoranthene	0.032	1902	**60**	NA	NA	**NA**	NA	NA	**NA**	**0.21**	**0.21**
Fluorene	0.078	1902	**148**	15625	1	**15625**	376092	1	**376092**	**2**	**2**
Indeno(1,2,3-cd)pyrene	0.00000007	1902	**0.00013**	NA	NA	**NA**	NA	NA	**NA**	**0.00002**	**0.0037****
Methylnaphthalene,2-	0.027	1902	**51**	289	2	**145**	6978	2	**3489**	**25**	**25**
Naphthalene	0.22	1902	**423**	35	2	**17**	929	2	**465**	**31**	**17**
Phenanthrene	0.21	1902	**391**	252297	1	**252297**	6031579	1	**6031579**	**1.2**	**1.2**
Pyrene	1.43	1902	**2,719**	39732	1	**39732**	947980	1	**947980**	**0.14**	**0.14**

*Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics

**RECAP standard based on Quantitation Limits.

GROUNDWATER - Compliance Concentration:

COC	Compliance Concentration
Aliphatics >C10-C12	FP
Aliphatics >C12-C16	FP
Aliphatics >C16-C35	FP
Aromatics >C10-C12	FP
Aromatics >C12-C16	FP
Aromatics >C16-C21	FP
Aromatics >C21-C35	FP
Acenaphthene	FP
Acenaphthylene	FP
Anthracene	FP
Benz(a)anthracene	FP

Benzo(a)pyrene	FP
Benzo(b)fluoranthene	FP
Benzo(k)fluoranthene	FP
Chrysene	FP
Dibenz(a,h)anthracene	FP
Fluoranthene	FP
Fluorene	FP
Indeno(1,2,3-cd)pyrene	FP
Methylnaphthalene,2-	FP
Naphthalene	FP
Phenanthrene	FP
Pyrene	FP

MO-2 GROUNDWATER RECAP ASSESSMENT:

COC	Limiting RS	Compliance Concentration	CC Exceeds LRS?
Aliphatics >C10-C12	349	FP	Yes
Aliphatics >C12-C16	82	FP	Yes
Aliphatics >C16-C35	1,913*	FP	Yes
Aromatics >C10-C12	1,913*	FP	Yes
Aromatics >C12-C16	1,913*	FP	Yes
Aromatics >C16-C21	1,913*	FP	Yes
Aromatics >C21-C35	1,913*	FP	Yes
Acenaphthene	4.2	FP	Yes
Acenaphthylene	16	FP	Yes
Anthracene	0.043	FP	Yes
Benz(a)anthracene	0.0078**	FP	Yes
Benzo(a)pyrene	0.0016	FP	Yes
Benzo(b)fluoranthene	0.0048**	FP	Yes
Benzo(k)fluoranthene	0.0025**	FP	Yes
Chrysene	0.0016	FP	Yes
Dibenz(a,h)anthracene	0.0025**	FP	Yes
Fluoranthene	0.21	FP	Yes
Fluorene	2	FP	Yes
Indeno(1,2,3-cd)pyrene	0.0037**	FP	Yes
Methylnaphthalene,2-	25	FP	Yes
Naphthalene	17	FP	Yes
Phenanthrene	1.2	FP	Yes
Pyrene	0.14	FP	Yes

*Total Petroleum Hydrocarbons shall not exceed 10,000 ppm based on aesthetics

**RECAP standard based on Quantitation Limits.

RECAP FORM 18
ECOLOGICAL CHECKLIST

Section 1 - Facility Information

1. Name of facility: Louisiana Retirement Systems Building Partnership

2. Location of facility: 8401 United Plaza Boulevard, Baton Rouge, LA

   Parish: East Baton Rouge Parish

3. Mailing address: 8401 United Plaza Boulevard, Baton Rouge, LA

4. Type of facility and/or operations associated with AOC: Diesel UST used to fuel the building's emergency generator

5. Name of AOC or AOI: Louisiana Retirement Systems Building Partnership

6. If available, attach a USGS topographic map of the facility and/or aerial or other photographs of the release site and surrounding areas.

Section 2 - Land Use Information

1. Describe land use at and in the vicinity of the AOC/AOI: Commercial

2. Describe land use adjacent to the facility: Commercial

3. Provide the following information regarding the nearest surface water body which has been impacted or has the potential to be impacted by COC migrating from the AOC/AOI:

a) Name of the surface water body: North Branch of Wards Creek

b) Type of surface water body:

[ ] freshwater river or stream
[ ] freshwater swamp/marsh/wetland
[ ] saltwater or brackish swamp/marsh/wetland
[ ] lake or pond
[ ] bayou or estuary
[ ] drainage ditch
[X] other: Creek

c) Designated use of the segment/subsegment of the surface water body (LAC 33:IX): Non-Drinking Water

d) Distance from the AOC/AOI to nearest surface water body: 1,300 feet

4. Do any potentially sensitive environmental areas exist adjacent to or in proximity to the site, e.g., federal and state parks, national and state monuments, wetlands, etc? [ ] Yes [X] No

If yes, explain:

Section 3 - Release Information

1. Nature of the release: UST release

2. Location of the release (within the facility): UST pit

3. Location of the release with respect to the facility property boundaries:

North of United Plaza Boulevard and east of Essen Lane

4. Constituents known or suspected to have been released: TPH-D, PAHs

---

5. Indicate which media are known or suspected to be impacted and if sampling data are available:

[ ] soil 0-3 feet BGS	[ ] yes [ ] no
[X] soil 0-15 feet BGS	[X] yes [ ] no
[X] soil >15 feet BGS	[X] yes [ ] no
[X] groundwater	[X] yes [ ] no
[ ] surface water/sediment	[ ] yes [ ] no

6. Has migration occurred outside the facility property boundaries? [ ] yes [X] no

If yes, describe the designated use of the offsite land impacted:

Section 4 - Criteria for Further Assessment

If the AOI meets **all** of the criteria presented below, then typically no further ecological evaluation shall be required. If the AOI **does not** meet **all** of the criteria, then a screening level ecological risk shall be conducted. The Submitter should make the initial decision regarding whether or not a screening level ecological risk assessment is warranted based on compliance of the AOI with criteria listed below. After review of the ecological checklist and other available site information, the Department will make a final determination on the need for a screening level ecological risk assessment. If site conditions at the AOI change such that one or more of the criteria are not met, then a screening level ecological risk assessment shall be conducted. Answers shall be based on current site conditions (i.e., shall not consider future remedial actions or institutional or engineering controls).

Indicate if the AOI meets the following criteria:

(1) The area of impacted soil is approximately 5 acres or less in size (based on the AOI identified for the human health assessment) and it is not expected that the COC will migrate such that the soil AOI becomes greater than 5 acres in size. [X] yes [ ] no

(2) There is no current release or demonstrable long-term threat of release (via runoff or groundwater discharge) of COC from the AOI to a surface water body. [X] yes [ ] no

(3) Recreational species, commercial species, threatened or endangered species, and/or their habitats are not currently being exposed, or expected to be exposed, to COC present at or migrating from the AOI.
[X] yes [ ] no

(4) There are no obvious impacts to ecological receptors or their habitats and none are expected in the future.
[X] yes [ ] no

Is further ecological evaluation required at this AOI? [ ] yes [X] no
This determination is subject to Department concurrence.

Section 5 - Site Summary

The ecological checklist submittal shall include a site summary that presents sufficient information to verify that the AOI meets or does not meet the criteria for further assessment.

Section 6 - Submitter Information

Date:	June 12, 2015
Name of person submitting this checklist:	Chasity H. Reed
Affiliation:	PPM Consultants, Inc.
Signature:	Chasity H. Reed
Additional Preparers:	

APPENDIX G – RECAP CALCULATIONS

Soil properties		Management Option 2							
Revision Date: 08/04/2003									
Run date:	6/10/2015								
*****calculation inputs*****									
1.7	g/cm3		pb = dry soil bulk density						
0.358491	Lpore/Lsoil		n = total soil porosity						
0.21	Lwater/Lsoil		nw = water-filled soil porosity						
0.148491	Lair/Lsoil		na = air-filled soil porosity						
2.65	g/cm3		ps = soil particle density						
0.006	g/g		foc = fractional organic carbon in soil						
30	(ft) = L = length of the source at the water table								
30	(ft) = W = width of impacted area perpendicular to flow direction of aquifer								
0.0	Acres		AOI site area - input into Q/C equation below						
143.5317	g/m2-s per kg/m3		Q/C = inverse of mean concentration at center of square source						
Q/C Table									
site size	148*148	209*209	295*295	467*467	660*660	1143*1143			
site size	0.5 acre	1 acre	2 acre	5 acre	10 acre	30 acre			
Q/C value	76.3062	67.4304	59.872	51.4648	46.1707	39.2329			

LDEQ RECAP
WORKSHEET 2
GW 3NDW
(mg/l)

Derivation of Management Option 1, 2, & 3 **Groundwater Classification 3-Non-Drinking Water**
Revision Date: 08/04/2003 Run date: 6/10/2015

C (mg/l) GW3NDW = (TR*BWa) / (SFo*(IRWndw+BCF*IRF))
N (mg/l) GW3NDW = (THQ*RfDo*BWa) / (IRWndw+BCF*IRF)

	LAC 33:IX.	LAC 33:IX.					LAC(NDW) or max	
	1113(HHNDW)	1113(HHDW)	MCL	BCF			(LAC,MCL, (MIN C, N))	
COMPOUND	(mg/L)	(mg/L)	(mg/l)	(l/kg)	C (mg/l)	N (mg/l)	(mg/l)	
Acenaphthene				3.87E+02	NA	5.36E-01	5.4E-01	(*2)N
Acenaphthylene				2.69E+02	NA	7.68E-01	7.7E-01	(*2)N
Acetone				3.87E-01	NA	7.24E+01	7.2E+01	(*2)N
Aldrin	4.00E-08	4.00E-08					4.0E-08	(*1)LAC(NDW)
Aniline				3.27E+00	7.95E-02	3.17E+00	8.0E-02	(*2)C
Anthracene				9.20E+03	NA	1.14E-01	1.1E-01	(*2)N
Antimony			6.00E-03	9.00E-01	NA	2.62E-01	2.6E-01	(*2)N
Arsenic		5.00E-02	1.00E-02	4.00E+00	2.76E-04	1.24E-01	5.0E-02	LAC(DW)
Barium			2.00E+00	1.00E+00	NA	4.50E+01	4.5E+01	(*2)N
Benzene	1.25E-02	1.10E-03	5.00E-03				1.3E-02	(*1)LAC(NDW)
Benz(a)anthracene				1.26E+04	3.80E-07	NA	3.8E-07	(*2)C
Benzo(a)pyrene			2.00E-04	8.29E+04	5.78E-09	NA	2.0E-04	MCL
Benzo(b)fluoranthene				3.03E+04	1.58E-07	NA	1.6E-07	(*2)C
Benzo(k)fluoranthene				3.03E+04	1.58E-06	NA	1.6E-06	(*2)C
Beryllium			4.00E-03	1.90E+01	NA	2.99E-01	3.0E-01	(*2)N
Biphenyl,1,1-				6.46E+02	NA	2.69E-01	2.7E-01	(*2)N
Bis(2-chloroethyl)ether				1.10E+01	2.06E-04	NA	2.1E-04	(*2)C
Bis(2-chloroisopropyl)ether				5.57E+01	8.31E-04	2.33E+00	8.3E-04	(*2)C
Bis(2-ethyl-hexyl)phthalate			6.00E-03	2.15E+04	1.16E-05	3.26E-03	6.0E-03	MCL
Bromodichloromethane	3.30E-03	2.00E-04	1.00E-01				3.3E-03	(*1)LAC(NDW)
Bromoform	3.47E-02	3.90E-03	1.00E-01				3.5E-02	(*1)LAC(NDW)
Bromomethane				4.81E+00	NA	5.29E-01	5.3E-01	(*2)N
Butyl benzyl phthalate				6.63E+02	NA	1.05E+00	1.0E+00	(*2)N
Cadmium		1.00E-02	5.00E-03	3.77E+03	NA	4.64E-04	1.0E-02	LAC(DW)
Carbon Disulfide				1.95E+01	NA	1.46E+01	1.5E+01	(*2)N
Carbon Tetrachloride	1.20E-03	2.20E-04	5.00E-03				1.2E-03	(*1)LAC(NDW)
Chlordane	1.90E-07	1.90E-07	2.00E-03				1.9E-07	(*1)LAC(NDW)

LDEQ RECAP
WORKSHEET 2
GW 3NDW
(mg/l)

Derivation of Management Option 1, 2, & 3 **Groundwater Classification 3-Non-Drinking Water**
Revision Date: 08/04/2003 Run date: 6/10/2015

Chloroaniline,p-				1.64E+01	NA	6.71E-01	6.7E-01	(*2)N
Chlorobenzene			1.00E-01	9.42E+01	NA	7.10E-01	7.1E-01	(*2)N
Chlorodibromomethane	5.08E-03	3.90E-04	1.00E-01				5.1E-03	(*1)LAC(NDW)
Chloroethane (Ethylchloride)				6.82E+00	NA	1.24E+02	1.2E+02	(*2)N
Chloroform	7.00E-02	5.30E-03	1.00E-01				7.0E-02	(*1)LAC(NDW)
Chloromethane				2.89E+00	3.67E-02	NA	3.7E-02	(*2)C
Chloronaphthalene,2-				7.69E+02	NA	3.62E-01	3.6E-01	(*2)N
Chlorophenol,2-	1.26E-01	1.00E-04					1.3E-01	(*1)LAC(NDW)
Chromium(III)		5.00E-02	1.00E-01	1.00E+00	NA	9.63E+02	9.6E+02	(*2)N
Chromium(VI)		5.00E-02	1.00E-01	1.00E+00	NA	1.93E+00	1.9E+00	(*2)N
Chrysene				1.26E+04	3.80E-05	NA	3.8E-05	(*2)C
Cobalt				1.00E+00	NA	3.85E+01	3.9E+01	(*2)N
Copper		1.00E+00	1.30E+00	2.26E+04	NA	6.19E-03	1.3E+00	MCL
Cyanide (free)	1.28E+01	6.64E-01	2.00E-01				1.3E+01	(*1)LAC(NDW)
DDD	2.70E-07	2.70E-07					2.7E-07	(*1)LAC(NDW)
DDE	1.90E-07	1.90E-07					1.9E-07	(*1)LAC(NDW)
DDT	1.90E-07	1.90E-07					1.9E-07	(*1)LAC(NDW)
Dibenz(a,h)anthracene				7.28E+04	6.59E-09	NA	6.6E-09	(*2)C
Dibenzofuran				9.16E+02	NA	1.52E-02	1.5E-02	(*2)N
Dibromo-3-chloropropane,1,2-			2.00E-04	3.30E+01	6.68E-05	5.34E-03	2.0E-04	MCL
Dichlorobenzene,1,2-			6.00E-01	8.90E+01	NA	3.37E+00	3.4E+00	(*2)N
Dichlorobenzene,1,3-				6.60E+01	NA	4.47E-02	4.5E-02	(*2)N
Dichlorobenzene,1,4-			7.50E-02	6.00E+01	2.26E-03	1.63E+00	7.5E-02	MCL
Dichlorobenzidine,3,3-				5.07E+02	1.52E-05	NA	1.5E-05	(*2)C
Dichloroethane,1,1-				1.37E+01	NA	1.93E+01	1.9E+01	(*2)N
Dichloroethane,1,2-	6.80E-03	3.60E-04	5.00E-03				6.8E-03	(*1)LAC(NDW)
Dichloroethene,1,1-	5.80E-04	5.00E-05	7.00E-03				5.8E-04	(*1)LAC(NDW)
Dichloroethene,cis,1,2-			7.00E-02	1.64E+01	NA	1.68E+00	1.7E+00	(*2)N
Dichloroethene,trans,1,2-			1.00E-01	2.32E+01	NA	2.53E+00	2.5E+00	(*2)N
Dichlorophenol,2,4-	2.33E-01	3.00E-04					2.3E-01	(*1)LAC(NDW)
Dichloropropane,1,2-			5.00E-03	1.95E+01	2.15E-03	1.67E-01	5.0E-03	MCL
Dichloropropene,1,3-	1.63E-01	9.86E-03					1.6E-01	(*1)LAC(NDW)
Dieldrin	5.00E-08	5.00E-08					5.0E-08	(*1)LAC(NDW)

LDEQ RECAP
WORKSHEET 2
GW 3NDW
(mg/l)

Derivation of Management Option 1, 2, & 3 **Groundwater Classification 3-Non-Drinking Water**
Revision Date: 08/04/2003 Run date: 6/10/2015

Diethylphthalate				1.17E+02	NA	2.31E+01	2.3E+01	(*2)N
Dimethylphenol,2,4-				1.50E+02	NA	4.53E-01	4.5E-01	(*2)N
Dimethylphthalate				5.70E+01	NA	5.70E+02	5.7E+02	(*2)N
Di-n-octylphthalate				1.13E+02	NA	1.19E+00	1.2E+00	(*2)N
Dinitrobenzene,1,3-				8.13E+00	NA	2.78E-02	2.8E-02	(*2)N
Dinitrophenol,2,4-				9.68E+00	NA	4.95E-01	5.0E-01	(*2)N
Dinitrotoluene,2,6-				1.64E+01	NA	1.68E-01	1.7E-01	(*2)N
Dinitrotoluene,2,4-				1.95E+01	NA	2.92E-01	2.9E-01	(*2)N
Dinoseb			7.00E-03	1.34E+02	NA	2.53E-02	2.5E-02	(*2)N
Endosulfan	6.40E-04	4.70E-04					6.4E-04	(*1)LAC(NDW)
Endrin	2.60E-04	2.60E-04	2.00E-03				2.6E-04	(*1)LAC(NDW)
Ethyl benzene	8.10E+00	2.39E+00	7.00E-01				8.1E+00	(*1)LAC(NDW)
Fluoranthene				4.43E+03	NA	3.16E-02	3.2E-02	(*2)N
Fluorene				1.80E+03	NA	7.76E-02	7.8E-02	(*2)N
Heptachlor	7.00E-08	7.00E-08	4.00E-04				7.0E-08	(*1)LAC(NDW)
Heptachlor epoxide			2.00E-04	2.33E+00	5.67E-05	6.71E-03	2.0E-04	MCL
Hexachlorobenzene	2.50E-07	2.50E-07	1.00E-03				2.5E-07	(*1)LAC(NDW)
Hexachlorobutadiene	1.10E-04	9.00E-05					1.1E-04	(*1)LAC(NDW)
Hexachlorocyclohexane,alpha				2.12E+02	2.57E-06	NA	2.6E-06	(*2)C
Hexachlorocyclohexane,beta				2.93E+02	6.54E-06	NA	6.5E-06	(*2)C
Hexachlorocyclohexane,gamma	2.00E-04	1.10E-04	2.00E-04				2.0E-04	(*1)LAC(NDW)
Hexachlorocyclopentadiene			5.00E-02	7.48E+03	NA	2.81E-03	5.0E-02	MCL
Hexachloroethane				1.39E+02	1.74E-03	2.44E-02	1.7E-03	(*2)C
Indeno(1,2,3-cd)pyrene				7.28E+04	6.59E-08	NA	6.6E-08	(*2)C
Isobutyl alcohol				2.19E+00	NA	1.58E+02	1.6E+02	(*2)N
Isophorone				7.00E+00	3.22E-01	6.11E+01	3.2E-01	(*2)C
Lead (inorganic)		5.00E-02	1.50E-02		NA	NA	5.0E-02	LAC(DW)
Mercury (inorganic)		2.00E-03	2.00E-03	8.57E+04	NA	1.23E-05	2.0E-03	LAC(DW)
Methoxychlor			4.00E-02	7.07E+04	NA	2.48E-04	4.0E-02	MCL
Methylene chloride	8.70E-02	4.40E-03	5.00E-03				8.7E-02	(*1)LAC(NDW)
Methyl ethyl ketone				9.61E-01	NA	3.88E+02	3.9E+02	(*2)N
Methyl isobutyl ketone				4.81E+00	NA	3.02E+01	3.0E+01	(*2)N
Methylnaphthalene,2-				2.60E+03	NA	2.69E-02	2.7E-02	(*2)N

LDEQ RECAP
WORKSHEET 2
GW 3NDW
(mg/l)

Derivation of Management Option 1, 2, & 3 **Groundwater Classification 3-Non-Drinking Water**
Revision Date: 08/04/2003 Run date: 6/10/2015

MTBE (methyl tert-butyl ether)			2.00E-02	1.00E+00	NA	5.50E+02	5.5E+02	(*2)N
Naphthalene				3.10E+02	NA	2.23E-01	2.2E-01	(*2)N
Nickel				8.00E-01	NA	1.33E+01	1.3E+01	(*2)N
Nitrate			1.00E+01	1.00E+00	NA	1.03E+03	1.0E+03	(*2)N
Nitrite			1.00E+00	1.00E+00	NA	6.42E+01	6.4E+01	(*2)N
Nitroaniline,2-				1.64E+01	NA	5.04E-01	5.0E-01	(*2)N
Nitroaniline,3-				6.82E+00	NA	9.32E-01	9.3E-01	(*2)N
Nitroaniline,4-				6.82E+00	NA	9.32E-01	9.3E-01	(*2)N
Nitrobenzene				1.37E+01	NA	9.64E-02	9.6E-02	(*2)N
Nitrophenol,4-				1.64E+01	NA	1.34E+00	1.3E+00	(*2)N
Nitrosodi-n-propylamine,n-				6.82E+00	4.44E-05	NA	4.4E-05	(*2)C
N-nitrosodiphenylamine				2.17E+02	3.23E-03	NA	3.2E-03	(*2)C
Pentachlorophenol			1.00E-03	6.40E+02	4.53E-05	1.63E-01	1.0E-03	MCL
Phenanthrene				5.10E+03	NA	2.06E-01	2.1E-01	(*2)N
Phenol				8.13E+00	NA	8.35E+01	8.3E+01	(*2)N
Polychlorinated biphenyls	1.00E-08	1.00E-08	5.00E-04				1.0E-08	(*1)LAC(NDW)
Pyrene				6.90E+01	NA	1.43E+00	1.4E+00	(*2)N
Selenium			5.00E-02	5.69E+03	NA	3.07E-03	5.0E-02	MCL
Silver				2.80E+01	NA	5.39E-01	5.4E-01	(*2)N
Styrene			1.00E-01	9.42E+01	NA	7.10E+00	7.1E+00	(*2)N
Tetrachlorobenzene,1,2,4,5-				1.85E+03	NA	5.66E-04	5.7E-04	(*2)N
Tetrachloroethane,1,1,1,2-				5.57E+01	2.24E-03	1.75E+00	2.2E-03	(*2)C
Tetrachloroethane,1,1,2,2-	1.80E-03	1.60E-04					1.8E-03	(*1)LAC(NDW)
Tetrachloroethylene	2.50E-03	6.50E-04	5.00E-03				2.5E-03	(*1)LAC(NDW)
Tetrachlorophenol,2,3,4,6-				5.88E+02	NA	1.77E-01	1.8E-01	(*2)N
Thallium			2.00E-03	1.30E+02	NA	1.82E-03	2.0E-03	MCL
Toluene	4.62E+01	6.10E+00	1.00E+00				4.6E+01	(*1)LAC(NDW)
Toxaphene	2.40E-07	2.40E-07	3.00E-03				2.4E-07	(*1)LAC(NDW)
Trichlorobenzene,1,2,4-			7.00E-02	1.82E+02	NA	1.88E-01	1.9E-01	(*2)N
Trichloroethane,1,1,1-		2.00E-01	2.00E-01	9.00E+00	NA	9.11E+00	9.1E+00	(*2)N
Trichloroethane,1,1,2-	6.90E-03	5.60E-04	5.00E-03				6.9E-03	(*1)LAC(NDW)
Trichloroethene	2.10E-02	2.80E-03	5.00E-03				2.1E-02	(*1)LAC(NDW)
Trichlorofluoromethane				4.68E+01	NA	2.05E+01	2.0E+01	(*2)N

LDEQ RECAP
WORKSHEET 2
GW 3NDW
(mg/l)

Derivation of Management Option 1, 2, & 3 **Groundwater Classification 3-Non-Drinking Water**
Revision Date: 08/04/2003 Run date: 6/10/2015

Trichlorophenol,2,4,5-				5.42E+02	NA	6.40E-01	6.4E-01	(*2)N
Trichlorophenol,2,4,6-				3.82E+02	8.23E-04	NA	8.2E-04	(*2)C
Vanadium				1.00E+00	NA	4.50E+00	4.5E+00	(*2)N
Vinyl chloride	3.58E-02	1.90E-03	2.00E-03				3.6E-02	(*1)LAC(NDW)
Xylene(mixed)			1.00E+01	1.59E+02	NA	4.28E+00	1.0E+01	MCL
Zinc		5.00E+00		1.26E+02	NA	8.05E+00	8.0E+00	(*2)N
Aliphatics C6-C8				0.00E+00	NA	3.93E+03	3.9E+03	(*2)N
Aliphatics >C8-C10				0.00E+00	NA	7.87E+01	7.9E+01	(*2)N
Aliphatics >C10-C12				0.00E+00	NA	7.87E+01	7.9E+01	(*2)N
Aliphatics >C12-C16				0.00E+00	NA	7.87E+01	7.9E+01	(*2)N
Aliphatics >C16-C35				0.00E+00	NA	1.57E+03	1.6E+03	(*2)N
Aromatics >C8-C10				0.00E+00	NA	3.15E+01	3.1E+01	(*2)N
Aromatics >C10-C12				0.00E+00	NA	3.15E+01	3.1E+01	(*2)N
Aromatics >C12-C16				0.00E+00	NA	3.15E+01	3.1E+01	(*2)N
Aromatics >C16-C21				0.00E+00	NA	2.36E+01	2.4E+01	(*2)N
Aromatics >C21-C35				0.00E+00	NA	2.36E+01	2.4E+01	(*2)N
TPH-GRO (C6-C10)							3.1E+01	
TPH-DRO (C10-C28)							2.4E+01	
TPH-ORO (>C28)							2.4E+01	

References: Data hierarchy is based on (*1) then (*2).

(*1) Louisiana Administrative Code 33.IX.1113, Table 1 (HHNDW)

(*2) The maximum value of LAC 33.IX1113 (DW), MCL, or the minimum of
human health non-drinking water criteria calculated in accordance with "Human Health Numerical Criteria Derivations for Toxic Substances", LDEQ-OWR, June 23, 1994; (N=non-carcinogen, C=carcinogen)

Notes:

* BCF values from the Superfund Chemical Data Matrix, June 1996

* BCF values not found in the Superfund Chemical Data Matrix are estimated below

*MTBE - The value listed in the MCL column is the EPA taste/odor advisory value.

LDEQ RECAP
WORKSHEET 5
SOILi
(mg/kg)

Derivation of Management Option 1 & 2 **Soil-Industrial**
Revision Date: 08/04/2003 Run date: 6/10/2015

DA = ((na^(10/3)*Da*H*41+nw^(10/3)*Dw)/n^2)/(pb*Koc*foc+nw+na*H*41)
VFi = (Q\C*1e-4*(3.14*DA*Ti)^0.5)/(2*pb*DA)

Soili-C-O = (TR*BWa*ATc*365)/(EFi*EDi*(SFo*1e-6*IRSi+SFi*(IRAa/VFi)+SFo*SAai*AFai*ABS*1e-6))
Soili-C-I = (TR*BWa*ATc*365)/(EFi*EDi*(SFo*1e-6*IRSi+SFo*SAai*AFai*ABS*1e-6))
Soili-N-O = (THQ*BWa*ATni*365)/(EFi*EDi*((IRSi/RfDo)*1e-6+(IRAa/RfDi)*(1/VFi)+(SAai/RfDo)*AFai*ABS*1e-6))
Soili-N-I = (THQ*BWa*ATni*365)/(EFi*EDi*((IRSi/RfDo)*1e-6+(SAai/RfDo)*AFai*ABS*1e-6)))

	DA	VFi	Soili	Soili	Soili	Soili	min value	Soili	
COMPOUND	**(cm2/s)**	**(m3/kg)**	**C-O (mg/kg)**	**C-I (mg/kg)**	**N-O (mg/kg)**	**N-I (mg/kg)**	**(C or N)**	**(mg/kg)**	
Tetrachloroethane,1,1,2,2-	1.36E-05	5.69E+04	3.52E+00		1.53E+04		3.5E+00	3.5E+00	C
Tetrachloroethylene	2.42E-04	1.35E+04	5.10E+01		5.54E+03		5.1E+01	5.1E+01	C
Tetrachlorophenol,2,3,4,6-	1.50E-07	5.43E+05	NA		2.01E+04		2.0E+04	2.0E+04	N
Thallium	NA	NA		NA		1.43E+02	1.4E+02	1.4E+02	N
Toluene	1.91E-04	1.52E+04	NA		8.68E+03		8.7E+03	8.7E+03	N
Toxaphene	2.30E-10	1.39E+07	2.21E+00		NA		2.2E+00	2.2E+00	C
Trichlorobenzene,1,2,4-	1.39E-06	1.78E+05	NA		1.47E+04		1.5E+04	1.5E+04	N
Trichloroethane,1,1,1-	4.39E-04	1.00E+04	NA		1.22E+04		1.2E+04	1.2E+04	N
Trichloroethane,1,1,2-	4.06E-05	3.30E+04	7.78E+00		6.23E+02		7.8E+00	7.8E+00	C
Trichloroethene	3.65E-04	1.10E+04	3.83E-01		3.13E+02		3.8E-01	3.8E-01	C
Trichlorofluoromethane	1.93E-03	4.79E+03	NA		4.86E+03		4.9E+03	4.9E+03	N
Trichlorophenol,2,4,5-	4.99E-08	9.41E+05	NA		7.45E+04		7.4E+04	7.4E+04	N
Trichlorophenol,2,4,6-	3.64E-08	1.10E+06	1.94E+02		NA		1.9E+02	1.9E+02	C
Vanadium	NA	NA		NA		1.43E+04	1.4E+04	1.4E+04	N
Vinyl chloride	2.81E-03	3.97E+03	1.26E+00		NA		1.3E+00	1.3E+00	C
Xylene(mixed)	1.87E-04	1.54E+04	NA		2.26E+03		2.3E+03	2.3E+03	N
Zinc	NA	NA		NA		6.13E+05	6.1E+05	6.1E+05	N
Aliphatics C6-C8	1.40E-03	5.62E+03	NA		1.50E+05		1.5E+05	1.0E+04	O,T
Aliphatics >C8-C10	3.22E-04	1.17E+04	NA		1.60E+04		1.6E+04	1.0E+04	O,T
Aliphatics >C10-C12	6.28E-05	2.65E+04	NA		3.39E+04		3.4E+04	1.0E+04	O,T
Aliphatics >C12-C16	1.37E-05	5.68E+04	NA		6.10E+04		6.1E+04	1.0E+04	O,T
Aliphatics >C16-C35	1.03E-06	2.07E+05	NA		9.62E+05		9.6E+05	1.0E+04	O,T
Aromatics >C8-C10	3.94E-05	3.35E+04	NA		9.13E+03		9.1E+03	9.1E+03	N

LDEQ RECAP
WORKSHEET 5
SOILi
(mg/kg)

Derivation of Management Option 1 & 2 **Soil-Industrial**
Revision Date: 08/04/2003 Run date: 6/10/2015

DA = ((na^(10/3)*Da*H*41+nw^(10/3)*Dw)/n^2)/(pb*Koc*foc+nw+na*H*41)
VFi = (Q\C*1e-4*(3.14*DA*Ti)^0.5)/(2*pb*DA)

Soili-C-O = (TR*BWa*ATc*365)/(EFi*EDi*(SFo*1e-6*IRSi+SFi*(IRAa/VFi)+SFo*SAai*AFai*ABS*1e-6))
Soili-C-I = (TR*BWa*ATc*365)/(EFi*EDi*(SFo*1e-6*IRSi+SFo*SAai*AFai*ABS*1e-6))
Soili-N-O = (THQ*BWa*ATni*365)/(EFi*EDi*((IRSi/RfDo)*1e-6+(IRAa/RfDi)*(1/VFi)+(SAai/RfDo)*AFai*ABS*1e-6))
Soili-N-I = (THQ*BWa*ATni*365)/(EFi*EDi*((IRSi/RfDo)*1e-6+(SAai/RfDo)*AFai*ABS*1e-6)))

	DA	VFi	Soili	Soili	Soili	Soili	min value	Soili	
COMPOUND	**(cm2/s)**	**(m3/kg)**	**C-O (mg/kg)**	**C-I (mg/kg)**	**N-O (mg/kg)**	**N-I (mg/kg)**	**(C or N)**	**(mg/kg)**	
Aromatics >C10-C12	7.31E-06	7.78E+04	NA		1.85E+04		1.8E+04	1.0E+04	O,T
Aromatics >C12-C16	1.40E-06	1.78E+05	NA		3.27E+04		3.3E+04	1.0E+04	O,T
Aromatics >C16-C21	1.11E-07	6.31E+05	NA		2.08E+04		2.1E+04	1.0E+04	O,T
Aromatics >C21-C35	1.04E-09	6.53E+06	NA		2.58E+04		2.6E+04	1.0E+04	O,T
TPH-GRO (C6-C10)							9.1E+03	9.1E+03	
TPH-DRO (C10-C28)							9.1E+03	9.1E+03	
TPH-ORO (>C28)							2.6E+04	1.0E+04	

LDEQ RECAP
WORKSHEET 6
SOILGW and SOILsat
(mg/kg)

Derivation of Management Option 1 & 2 **SoilGW & Soilsat**
Revision Date: 08/04/2003 Run date: 6/10/2015

SoilGW1 = DFsummers*(GW1*(pb*Koc*foc+nw+na*H*41))/(pb)
SoilGW2 = DFsummers*(GW2*(pb*Koc*foc+nw+na*H*41))/(pb)
SoilGW3NDW =DFsummers* (GW3NDW*(pb*Koc*foc+nw+na*H*41))/(pb)
SoilGW3DW =DFsummers* (GW3DW*(pb*Koc*foc+nw+na*H*41))/(pb)

Soilsat = S*(Koc*foc*pb+nw+H*41*na)/pb

COMPOUND	SoilGW1 (mg/kg)	SoilGW2 (mg/kg)	SoilGW3DW (mg/kg)	SoilGW3NDW (mg/kg)	Soilsat (mg/kg)
Toxaphene	3.4E+01	3.4E+01	3.4E+01	3.4E+01	NA
Trichlorobenzene,1,2,4-	1.4E+01	1.4E+01	1.4E+01	3.8E+01	NA
Trichloroethane,1,1,1-	4.0E+00	4.0E+00	4.0E+00	1.8E+02	1.3E+03
Trichloroethane,1,1,2-	5.8E-02	5.8E-02	6.5E-03	8.0E-02	2.5E+03
Trichloroethene	7.3E-02	7.3E-02	4.1E-02	3.0E-01	8.0E+02
Trichlorofluoromethane	3.7E+01	3.7E+01	2.0E+02	5.8E+02	1.6E+03
Trichlorophenol,2,4,5-	3.2E+02	3.2E+02	4.7E+01	5.6E+01	NA
Trichlorophenol,2,4,6-	1.3E+00	7.9E-01	8.6E-02	1.1E-01	NA
Vanadium	NA	NA	NA	NA	NA
Vinyl chloride	1.3E-02	1.3E-02	1.3E-02	2.4E-01	9.2E+02
Xylene(mixed)	1.8E+02	1.8E+02	1.8E+02	1.8E+02	1.5E+02
Zinc	NA	NA	NA	NA	NA
Aliphatics C6-C8	1.8E+04	1.8E+04	9.5E+04	2.2E+06	NA
Aliphatics >C8-C10	5.3E+03	5.3E+03	1.3E+04	3.1E+05	NA
Aliphatics >C10-C12	4.2E+04	4.2E+04	1.0E+05	2.4E+06	NA
Aliphatics >C12-C16	8.2E+05	8.2E+05	2.0E+06	4.7E+07	NA
Aliphatics >C16-C35	5.5E+09	5.5E+09	5.1E+09	1.2E+11	NA
Aromatics >C8-C10	6.5E+01	6.5E+01	2.6E+02	6.1E+03	NA
Aromatics >C10-C12	1.0E+02	1.0E+02	4.1E+02	9.6E+03	NA
Aromatics >C12-C16	2.0E+02	2.0E+02	8.1E+02	1.9E+04	NA
Aromatics >C16-C21	2.1E+03	2.1E+03	1.9E+03	4.5E+04	NA
Aromatics >C21-C35	1.7E+04	1.7E+04	1.5E+04	3.6E+05	NA
TPH-GRO (C6-C10)	6.5E+01	6.5E+01	2.6E+02	6.1E+03	
TPH-DRO (C10-C28)	6.5E+01	6.5E+01	2.6E+02	6.1E+03	

LDEQ RECAP
WORKSHEET 12
SOILesi
(mg/kg)

Subsurface soil located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS				
Revision Date: 08/04/2003					Run date:	6/10/2015			
INPUTS TO SUBSURFACE SOIL BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific			
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol		
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol		
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3		
bgs depth to contaminated subsurface soils					Ls =	100	cm		
enclosed-structure air exahnge rate					ER =	0.00023	1/s		
enclosed-structure volume/infiltration area ratio					Lb =	300	cm		
enclosed-structure foundation or wall thickness					Lcrack =	15	cm		
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area		
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2									
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2									
VFsoilesi = [(H*41*pb/(nw+Koc*foc*pb+H*41*na))*(Ds/Ls)/(ER*Lb)]/[1+(Ds/Ls)/(ER*Lb)+(Ds/Ls)/((Dcrack/Lcrack)*FC)]*1000									
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)									
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)									
Soilesi = Cai*0.001/VFsoilesi									
	Ds	Dcrack	VFsoilesi	Cai	Cai	Soilesi	Soilesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(mg/m3/mg/kg	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/kg)	N-O(mg/kg)	(C or N)	
Vanadium									
Vinyl chloride	1.44E-03	1.44E-03	4.35E-02	1.20E+00		2.76E-02		2.8E-02	K
Xylene(mixed)	9.51E-04	9.51E-04	2.90E-03	#VALUE!	1.48E+02	#VALUE!	5.10E+01	5.1E+01	J
Zinc									
Aliphatics C6-C8	1.36E-03	1.36E-03	2.17E-02		1.93E+04		8.92E+02	8.9E+02	J
Aliphatics >C8-C10	1.36E-03	1.36E-03	4.99E-03		1.06E+03		2.12E+02	2.1E+02	J
Aliphatics >C10-C12	1.36E-03	1.36E-03	9.73E-04		1.10E+03		1.12E+03	1.1E+03	J
Aliphatics >C12-C16	1.36E-03	1.36E-03	2.13E-04		1.10E+03		5.15E+03	5.2E+03	J
Aliphatics >C16-C35									
Aromatics >C8-C10	1.36E-03	1.36E-03	6.10E-04		2.19E+02		3.59E+02	3.6E+02	J
Aromatics >C10-C12	1.36E-03	1.36E-03	1.13E-04		2.19E+02		1.93E+03	1.9E+03	J
Aromatics >C12-C16	1.37E-03	1.37E-03	2.17E-05		2.19E+02		1.01E+04	1.0E+04	J
Aromatics >C16-C21									
Aromatics >C21-C35									
TPH-GRO (C6-C10)					2.19E+02			2.1E+02	
TPH-DRO (C10-C28)									
TPH-ORO (>C28)									
J - Risk-based value calculated with one of the equations EQ 56 thru 59.									
K - Louisiana Toxic Air Pollutant Ambient Air Standards (LAC 33:III.5112 Table 51.2).									

LDEQ RECAP
WORKSHEET 14
GWesi
(mg/l)

Groundwater located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS						
Revision Date: 08/04/2003					Run date:	6/10/2015					
INPUTS TO GROUNDWATER BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific					
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol				
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol				
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3				
volumetric air content in capillary fringe					nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe					nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil					nc =	0.36	cm3/cm3				
thickness of capillary fringe					hcap =	5	cm				
thickness of vadose zone					hv =	295	cm				
depth to groundwater					Lgw =	300	cm				
enclosed-structure air exchange rate					ER =	0.00023	1/s				
enclosed-structure volume/infiltration area ratio					Lb =	300	cm				
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area				
enclosed-structure foundation or wall thickness					Lcrack =	15	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2											
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2											
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2											
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)											
VFgwesi = [H*41*(Dws/Lgw)/(ER*Lb)]/[1+(Dws/Lgw)/(ER*Lb)+(Dws/Lgw)/((Dcrack/Lcrack)*FC)]*1000											
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)											
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)											
GWesi = Cai*0.001/VFgwesi											
	Ds	Dcrack	Dcap	Dws	VFgwesi	Cai	Cai	GWesi	GWesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Acenaphthene	6.24E-04	6.24E-04	2.70E-04	6.10E-04	3.18E-05	#VALUE!	3.07E+02	#VALUE!	9.64E+03	9.6E+03	J
Acenaphthylene	6.65E-04	6.65E-04	3.60E-04	6.56E-04	2.50E-05	#VALUE!	3.07E+02	#VALUE!	1.23E+04	1.2E+04	J
Acetone	1.99E-03	1.99E-03	1.60E-03	1.98E-03	2.55E-05	#VALUE!	5.11E+02	#VALUE!	2.00E+04	2.0E+04	J
Aldrin											
Aniline											
Anthracene	5.65E-04	5.65E-04	6.48E-04	5.66E-04	1.21E-05	#VALUE!	1.53E+03	#VALUE!	1.26E+05	1.3E+05	J
Antimony											
Arsenic											
Barium											
Benzene	1.20E-03	1.20E-03	1.02E-05	4.07E-04	1.66E-03	1.20E+01		7.25E+00		7.2E+00	K
Benz(a)anthracene											
Benzo(a)pyrene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Beryllium											
Biphenyl,1,1-	5.77E-04	5.77E-04	1.48E-04	5.50E-04	5.67E-05		2.38E+01		4.20E+02	4.2E+02	K
Bis(2-chloroethyl)ether	1.38E-03	1.38E-03	2.28E-03	1.39E-03	8.20E-06	3.00E-01		3.66E+01		3.7E+01	K
Bis(2-chloroisopropyl)ether	8.69E-04	8.69E-04	3.19E-04	8.45E-04	3.23E-05	4.09E-01	2.04E+02	1.27E+01	6.33E+03	1.3E+01	J
Bis(2-ethyl-hexyl)phthalate											
Bromodichloromethane	4.12E-04	4.12E-04	3.62E-05	3.51E-04	2.11E-04	2.31E-01	1.02E+02	1.09E+00	4.84E+02	1.1E+00	J
Bromoform	2.23E-04	2.23E-04	1.05E-04	2.18E-04	3.92E-05	3.72E+00	1.02E+02	9.49E+01	2.61E+03	9.5E+01	J
Bromomethane	9.90E-04	9.90E-04	1.11E-05	4.01E-04	1.63E-03	#VALUE!	7.31E+00	#VALUE!	4.49E+00	4.5E+00	J
Butyl benzyl phthalate											
Cadmium											
Carbon Disulfide	1.41E-03	1.41E-03	2.47E-06	1.34E-04	5.47E-03		7.14E+01		1.31E+01	1.3E+01	K
Carbon Tetrachloride	1.06E-03	1.06E-03	2.08E-06	1.12E-04	4.41E-03	6.67E+00		1.51E+00		1.5E+00	K
Chlordane											
Chloroaniline,p-											
Chlorobenzene	9.94E-04	9.94E-04	1.33E-05	4.45E-04	1.01E-03		1.10E+03		1.09E+03	1.1E+03	K
Chlorodibromomethane	2.80E-04	2.80E-04	7.31E-05	2.68E-04	7.19E-05	1.70E-01	1.02E+02	2.37E+00	1.42E+03	2.4E+00	J
Chloroethane (Ethylchloride)	3.68E-03	3.68E-03	8.87E-06	4.66E-04	4.97E-03		6.29E+04		1.26E+04	1.3E+04	K
Chloroform	1.41E-03	1.41E-03	1.55E-05	5.65E-04	1.37E-03	4.30E+00		3.14E+00		3.1E+00	K
Chloromethane	1.71E-03	1.71E-03	4.84E-06	2.49E-04	2.51E-03	5.56E+01		2.21E+01		2.2E+01	K
Chloronaphthalene,2-	5.01E-04	5.01E-04	1.55E-04	4.83E-04	5.09E-05	#VALUE!	4.09E+02	#VALUE!	8.02E+03	8.0E+03	J
Chlorophenol,2-	7.06E-04	7.06E-04	1.32E-04	6.58E-04	9.00E-05	#VALUE!	2.56E+01	#VALUE!	2.84E+02	2.8E+02	J
Chromium(III)											
Chromium(VI)											

LDEQ RECAP
WORKSHEET 14
GWesi
(mg/l)

Groundwater located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS						
Revision Date: 08/04/2003					Run date:	6/10/2015					
INPUTS TO GROUNDWATER BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific					
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol				
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol				
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3				
volumetric air content in capillary fringe					nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe					nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil					nc =	0.36	cm3/cm3				
thickness of capillary fringe					hcap =	5	cm				
thickness of vadose zone					hv =	295	cm				
depth to groundwater					Lgw =	300	cm				
enclosed-structure air exchange rate					ER =	0.00023	1/s				
enclosed-structure volume/infiltration area ratio					Lb =	300	cm				
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area				
enclosed-structure foundation or wall thickness					Lcrack =	15	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2											
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2											
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2											
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)											
VFgwesi = [H*41*(Dws/Lgw)/(ER*Lb)]/[1+(Dws/Lgw)/(ER*Lb)+(Dws/Lgw)/((Dcrack/Lcrack)*FC)]*1000											
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)											
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)											
GWesi = Cai*0.001/VFgwesi											
	Ds	Dcrack	Dcap	Dws	VFgwesi	Cai	Cai	GWesi	GWesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Chrysene											
Cobalt											
Copper											
Cyanide (free)											
DDD											
DDE											
DDT											
Dibenz(a,h)anthracene											
Dibenzofuran	8.47E-04	8.47E-04	2.51E-03	8.57E-04	3.64E-06	#VALUE!	2.04E+01	#VALUE!	5.61E+03	5.6E+03	J
Dibromo-3-chloropropane,1,2-											
Dichlorobenzene,1,2-	9.41E-04	9.41E-04	2.31E-05	5.66E-04	5.32E-04	#VALUE!	2.91E+02	#VALUE!	5.48E+02	5.5E+02	J
Dichlorobenzene,1,3-	8.74E-04	8.74E-04	1.21E-05	4.00E-04	7.95E-04	#VALUE!	4.60E+00	#VALUE!	5.78E+00	5.8E+00	J
Dichlorobenzene,1,4-	9.40E-04	9.40E-04	1.81E-05	5.09E-04	6.61E-04		1.43E+03		2.16E+03	2.2E+03	K
Dichlorobenzidine,3,3-											
Dichloroethane,1,1-	1.01E-03	1.01E-03	1.06E-05	3.94E-04	1.49E-03	#VALUE!	7.31E+02	#VALUE!	4.92E+02	4.9E+02	J
Dichloroethane,1,2-	1.42E-03	1.42E-03	5.57E-05	1.01E-03	4.30E-04	3.85E+00		8.95E+00		8.9E+00	K
Dichloroethene,1,1-	1.22E-03	1.22E-03	2.75E-06	1.46E-04	4.72E-03	#VALUE!	2.91E+02	#VALUE!	6.17E+01	6.2E+01	J
Dichloroethene,cis,1,2-	1.00E-03	1.00E-03	1.55E-05	4.87E-04	1.15E-03	#VALUE!	5.11E+01	#VALUE!	4.45E+01	4.5E+01	J
Dichloroethene,trans,1,2-	9.61E-04	9.61E-04	7.36E-06	3.04E-04	2.19E-03	#VALUE!	1.02E+02	#VALUE!	4.67E+01	4.7E+01	J
Dichlorophenol,2,4-											
Dichloropropane,1,2-	1.06E-03	1.06E-03	1.75E-05	5.33E-04	8.44E-04		8.26E+03		9.79E+03	9.8E+03	K
Dichloropropene,1,3-	8.56E-04	8.56E-04	3.11E-05	5.94E-04	4.66E-04		1.07E+02		2.30E+02	2.3E+02	K
Dieldrin											
Diethylphthalate											
Dimethylphenol,2,4-											
Dimethylphthalate											
Di-n-octylphthalate											
Dinitrobenzene,1,3-											
Dinitrophenol,2,4-											
Dinitrotoluene,2,6-											
Dinitrotoluene,2,4-											
Dinoseb											
Endosulfan											
Endrin											
Ethyl benzene	1.02E-03	1.02E-03	5.87E-06	2.63E-04	1.79E-03		1.03E+04		5.75E+03	5.7E+03	K
Fluoranthene											
Fluorene	6.23E-04	6.23E-04	6.74E-04	6.24E-04	1.31E-05	#VALUE!	2.04E+02	#VALUE!	1.56E+04	1.6E+04	J

LDEQ RECAP
WORKSHEET 14
GWesi
(mg/l)

Groundwater located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS						
Revision Date: 08/04/2003					Run date:	6/10/2015					
INPUTS TO GROUNDWATER BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific					
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol				
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol				
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3				
volumetric air content in capillary fringe					nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe					nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil					nc =	0.36	cm3/cm3				
thickness of capillary fringe					hcap =	5	cm				
thickness of vadose zone					hv =	295	cm				
depth to groundwater					Lgw =	300	cm				
enclosed-structure air exchange rate					ER =	0.00023	1/s				
enclosed-structure volume/infiltration area ratio					Lb =	300	cm				
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area				
enclosed-structure foundation or wall thickness					Lcrack =	15	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2											
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2											
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2											
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)											
VFgwesi = [H*41*(Dws/Lgw)/(ER*Lb)]/[1+(Dws/Lgw)/(ER*Lb)+(Dws/Lgw)/((Dcrack/Lcrack)*FC)]*1000											
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)											
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)											
GWesi = Cai*0.001/VFgwesi											
	Ds	Dcrack	Dcap	Dws	VFgwesi	Cai	Cai	GWesi	GWesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Heptachlor											
Heptachlor epoxide											
Hexachlorobenzene	7.41E-04	7.41E-04	2.47E-05	4.99E-04	2.99E-04	2.00E-01		6.70E-01		6.7E-01	K
Hexachlorobutadiene											
Hexachlorocyclohexane,alpha											
Hexachlorocyclohexane,beta											
Hexachlorocyclohexane,gamma											
Hexachlorocyclopentadiene	2.19E-04	2.19E-04	1.56E-06	6.58E-05	1.41E-03	#VALUE!	2.91E-01	#VALUE!	2.07E-01	2.1E-01	J
Hexachloroethane	3.58E-05	3.58E-05	9.52E-06	3.42E-05	4.56E-05	2.50E+01		5.48E+02		5.5E+02	K
Indeno(1,2,3-cd)pyrene											
Isobutyl alcohol											
Isophorone											
Lead (inorganic)											
Mercury (inorganic)											
Methoxychlor											
Methylene chloride	1.38E-03	1.38E-03	2.97E-05	7.84E-04	8.84E-04	2.13E+02		2.41E+02		2.4E+02	K
Methyl ethyl ketone	1.28E-03	1.28E-03	9.52E-04	1.27E-03	2.37E-05		1.40E+04		5.92E+05	5.9E+05	K
Methyl isobutyl ketone	1.08E-03	1.08E-03	3.04E-04	1.03E-03	4.94E-05		4.88E+03		9.88E+04	9.9E+04	K
Methylnaphthalene,2-	7.94E-04	7.94E-04	7.36E-04	7.93E-04	1.52E-05	#VALUE!	4.39E+00	#VALUE!	2.89E+02	2.9E+02	J
MTBE (methyl tert-butyl ether)	1.40E-03	1.40E-03	9.80E-05	1.15E-03	2.62E-04	#VALUE!	4.38E+03	#VALUE!	1.67E+04	1.7E+04	J
Naphthalene	8.17E-04	8.17E-04	8.48E-05	7.15E-04	1.27E-04	#VALUE!	4.39E+00	#VALUE!	3.45E+01	3.5E+01	J
Nickel											
Nitrate											
Nitrite											
Nitroaniline,2-	9.76E-04	9.76E-04	4.15E-04	9.54E-04	3.12E-05	#VALUE!	1.48E-01	#VALUE!	4.75E+00	4.7E+00	J
Nitroaniline,3-	5.38E-02	5.38E-02	2.74E-01	5.45E-02	2.61E-06	#VALUE!	1.53E+01	#VALUE!	5.87E+03	5.9E+03	J
Nitroaniline,4-											
Nitrobenzene	1.41E-03	1.41E-03	1.95E-03	1.41E-03	1.12E-05		1.19E+02		1.07E+04	1.1E+04	K
Nitrophenol,4-											
Nitrosodi-n-propylamine,n-											
N-nitrosodiphenylamine											
Pentachlorophenol											
Phenanthrene	7.89E-04	7.89E-04	1.81E-03	7.96E-04	6.08E-06	#VALUE!	1.53E+03	#VALUE!	2.52E+05	2.5E+05	J
Phenol	2.52E-02	2.52E-02	1.25E-01	2.55E-02	3.31E-06	#VALUE!	1.53E+03	#VALUE!	4.64E+05	4.6E+05	J
Polychlorinated biphenyls											
Pyrene	1.06E-03	1.06E-03	3.58E-03	1.07E-03	3.86E-06	#VALUE!	1.53E+02	#VALUE!	3.97E+04	4.0E+04	J
Selenium											

LDEQ RECAP
WORKSHEET 14
GWesi
(mg/l)

Groundwater located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS						
Revision Date: 08/04/2003					Run date:	6/10/2015					
INPUTS TO GROUNDWATER BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific					
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol				
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol				
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3				
volumetric air content in capillary fringe					nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe					nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil					nc =	0.36	cm3/cm3				
thickness of capillary fringe					hcap =	5	cm				
thickness of vadose zone					hv =	295	cm				
depth to groundwater					Lgw =	300	cm				
enclosed-structure air exchange rate					ER =	0.00023	1/s				
enclosed-structure volume/infiltration area ratio					Lb =	300	cm				
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area				
enclosed-structure foundation or wall thickness					Lcrack =	15	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2											
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2											
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2											
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)											
VFgwesi = [H*41*(Dws/Lgw)/(ER*Lb)]/[1+(Dws/Lgw)/(ER*Lb)+(Dws/Lgw)/((Dcrack/Lcrack)*FC)]*1000											
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)											
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)											
GWesi = Cai*0.001/VFgwesi											
	Ds	Dcrack	Dcap	Dws	VFgwesi	Cai	Cai	GWesi	GWesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Silver											
Styrene	9.67E-04	9.67E-04	1.63E-05	4.90E-04	7.55E-04		1.00E+03		1.32E+03	1.3E+03	K
Tetrachlorobenzene,1,2,4,5-											
Tetrachloroethane,1,1,1,2-	8.18E-04	8.18E-04	1.56E-05	4.40E-04	5.67E-04	1.00E-01		1.76E-01		1.8E-01	K
Tetrachloroethane,1,1,2,2-	9.88E-04	9.88E-04	1.25E-04	8.86E-04	1.10E-04	1.70E+00		1.54E+01		1.5E+01	K
Tetrachloroethylene	9.78E-04	9.78E-04	2.89E-06	1.48E-04	3.07E-03	1.10E+02		3.59E+01		3.6E+01	K
Tetrachlorophenol,2,3,4,6-											
Thallium											
Toluene	1.18E-03	1.18E-03	7.61E-06	3.31E-04	1.81E-03		4.00E+02		2.20E+02	2.2E+02	K
Toxaphene											
Trichlorobenzene,1,2,4-	4.13E-04	4.13E-04	3.17E-05	3.44E-04	1.88E-04	#VALUE!	2.91E+02	#VALUE!	1.55E+03	1.6E+03	J
Trichloroethane,1,1,1-	1.06E-03	1.06E-03	3.29E-06	1.67E-04	3.18E-03	#VALUE!	1.46E+03	#VALUE!	4.60E+02	4.6E+02	J
Trichloroethane,1,1,2-	1.07E-03	1.07E-03	5.29E-05	8.10E-04	3.06E-04	6.30E+00		2.06E+01		2.1E+01	K
Trichloroethene	1.07E-03	1.07E-03	5.32E-06	2.47E-04	2.34E-03	5.90E+01		2.52E+01		2.5E+01	K
Trichlorofluoromethane	1.18E-03	1.18E-03	1.11E-06	6.31E-05	9.57E-03	#VALUE!	1.02E+03	#VALUE!	1.07E+02	1.1E+02	J
Trichlorophenol,2,4,5-											
Trichlorophenol,2,4,6-											
Vanadium											
Vinyl chloride	1.44E-03	1.44E-03	9.38E-07	5.42E-05	2.44E-03	1.20E+00		4.92E-01		4.9E-01	K
Xylene(mixed)	9.51E-04	9.51E-04	6.04E-06	2.64E-04	1.66E-03	#VALUE!	1.48E+02	#VALUE!	8.91E+01	8.9E+01	J
Zinc											
Aliphatics C6-C8	1.36E-03	1.36E-03	6.96E-07	4.05E-05	8.52E-02		1.93E+04		2.27E+02	2.3E+02	J
Aliphatics >C8-C10	1.36E-03	1.36E-03	6.79E-07	3.96E-05	1.33E-01		1.06E+03		7.93E+00	7.9E+00	J
Aliphatics >C10-C12	1.36E-03	1.36E-03	6.70E-07	3.91E-05	1.98E-01		1.10E+03		5.53E+00	5.5E+00	J
Aliphatics >C12-C16	1.36E-03	1.36E-03	6.56E-07	3.82E-05	8.43E-01		1.10E+03		1.30E+00	1.3E+00	J
Aliphatics >C16-C35											
Aromatics >C8-C10	1.36E-03	1.36E-03	5.30E-06	2.59E-04	3.07E-03		2.19E+02		7.13E+01	7.1E+01	J
Aromatics >C10-C12	1.36E-03	1.36E-03	1.66E-05	5.79E-04	1.25E-03		2.19E+02		1.75E+02	1.8E+02	J
Aromatics >C12-C16	1.37E-03	1.37E-03	4.28E-05	9.02E-04	5.36E-04		2.19E+02		4.09E+02	4.1E+02	J
Aromatics >C16-C21											
Aromatics >C21-C35											

LDEQ RECAP
WORKSHEET 14
GWesi
(mg/l)

Groundwater located beneath enclosed structure-Industrial					Derivation of Management Option 2 RS						
Revision Date: 08/04/2003					Run date:	6/10/2015					
INPUTS TO GROUNDWATER BENEATH ENCLOSED-STRUCTURE MODEL-INDUSTRIAL						Site-Specific					
volumetric air content in foundation/wall cracks					nacrack =	0.14849057	cm3-air/cm3-total vol				
volumetric water content in foundation/wall cracks					nwcrack =	0.21	cm3-water/cm3-total vol				
total porosity of foundation/wall cracks					nf =	0.35849057	cm3/cm3				
volumetric air content in capillary fringe					nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe					nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil					nc =	0.36	cm3/cm3				
thickness of capillary fringe					hcap =	5	cm				
thickness of vadose zone					hv =	295	cm				
depth to groundwater					Lgw =	300	cm				
enclosed-structure air exchange rate					ER =	0.00023	1/s				
enclosed-structure volume/infiltration area ratio					Lb =	300	cm				
areal fraction of cracks in foundation/walls					FC =	0.01	cm2-cracks/cm2-total area				
enclosed-structure foundation or wall thickness					Lcrack =	15	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2											
Dcrack = Da*nacrack^3.33/nf^2+Dw*1/(H*41)*nwcrack^3.33/nf^2											
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2											
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)											
VFgwesi = [H*41*(Dws/Lgw)/(ER*Lb)]/[1+(Dws/Lgw)/(ER*Lb)+(Dws/Lgw)/((Dcrack/Lcrack)*FC)]*1000											
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)											
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)											
GWesi = Cai*0.001/VFgwesi											
	Ds	Dcrack	Dcap	Dws	VFgwesi	Cai	Cai	GWesi	GWesi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
TPH-GRO (C6-C10)							2.19E+02			7.9E+00	
TPH-DRO (C10-C28)											
TPH-ORO (>C28)											
J - Risk-based value calculated with one of the equations EQ 56 thru 59.											
K - Louisiana Toxic Air Pollutant Ambient Air Standards (LAC 33:III.5112 Table 51.2).											

LDEQ RECAP
WORKSHEET 16
GWairi
(mg/l)

Volatile releases from groundwater to ambient air-Industrial					Derivation of Management Option 2 RS					
Revision Date: 08/04/2003					Run date:	6/10/2015				
INPUTS TO GROUNDWATER TO AMBIENT AIR MODEL-INDUSTRIAL					Site-Specific					
volumetric air content in capillary fringe				nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe				nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil				nc =	0.36	cm3/cm3				
thickness of capillary fringe				hcap =	5	cm				
thickness of vadose zone				hv =	295	cm				
depth to groundwater				Lgw =	300	cm				
wind speed above ground surface in ambient mixing zone				Uair =	225	cm/s				
width of source area parallel to wind				W =	4511	cm				
ambient air mixing zone height				dair =	200	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2										
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2										
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)										
VFgwairi = (H*41*1000)/[1+(Uair*dair*Lgw)/(W*Dws)]										
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)										
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)										
GWairi = Cai*0.001/VFgwairi										
	Ds	Dcap	Dws	VFgwairi	Cai	Cai	GWairi	GWairi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Acenaphthene	6.24E-04	2.70E-04	6.10E-04	1.30E-06	#VALUE!	3.07E+02	#VALUE!	2.37E+05	2.4E+05	J
Acenaphthylene	6.65E-04	3.60E-04	6.56E-04	1.02E-06	#VALUE!	3.07E+02	#VALUE!	2.99E+05	3.0E+05	J
Acetone	1.99E-03	1.60E-03	1.98E-03	1.05E-06	#VALUE!	5.11E+02	#VALUE!	4.85E+05	4.8E+05	J
Aldrin										
Aniline										
Anthracene	5.65E-04	6.48E-04	5.66E-04	5.04E-07	#VALUE!	1.53E+03	#VALUE!	3.04E+06	3.0E+06	J
Antimony										
Arsenic										
Barium										
Benzene	1.20E-03	1.02E-05	4.07E-04	3.09E-05	1.20E+01		3.88E+02		3.9E+02	K
Benz(a)anthracene										
Benzo(a)pyrene										
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Beryllium										
Biphenyl,1,1-	5.77E-04	1.48E-04	5.50E-04	2.26E-06		2.38E+01		1.05E+04	1.1E+04	K
Bis(2-chloroethyl)ether	1.38E-03	2.28E-03	1.39E-03	3.42E-07	3.00E-01		8.76E+02		8.8E+02	K
Bis(2-chloroisopropyl)ether	8.69E-04	3.19E-04	8.45E-04	1.31E-06	4.09E-01	2.04E+02	3.12E+02	1.56E+05	3.1E+02	J
Bis(2-ethyl-hexyl)phthalate										
Bromodichloromethane	4.12E-04	3.62E-05	3.51E-04	7.69E-06	2.31E-01	1.02E+02	3.00E+01	1.33E+04	3.0E+01	J
Bromoform	2.23E-04	1.05E-04	2.18E-04	1.60E-06	3.72E+00	1.02E+02	2.32E+03	6.38E+04	2.3E+03	J
Bromomethane	9.90E-04	1.11E-05	4.01E-04	3.40E-05	#VALUE!	7.31E+00	#VALUE!	2.15E+02	2.1E+02	J
Butyl benzyl phthalate										
Cadmium										
Carbon Disulfide	1.41E-03	2.47E-06	1.34E-04	5.58E-05		7.14E+01		1.28E+03	1.3E+03	K
Carbon Tetrachloride	1.06E-03	2.08E-06	1.12E-04	4.66E-05	6.67E+00		1.43E+02		1.4E+02	K
Chlordane										
Chloroaniline,p-										
Chlorobenzene	9.94E-04	1.33E-05	4.45E-04	2.26E-05		1.10E+03		4.87E+04	4.9E+04	K
Chlorodibromomethane	2.80E-04	7.31E-05	2.68E-04	2.87E-06	1.70E-01	1.02E+02	5.93E+01	3.56E+04	5.9E+01	J
Chloroethane (Ethylchloride)	3.68E-03	8.87E-06	4.66E-04	5.62E-05		6.29E+04		1.12E+06	1.1E+06	K
Chloroform	1.41E-03	1.55E-05	5.65E-04	2.84E-05	4.30E+00		1.51E+02		1.5E+02	K
Chloromethane	1.71E-03	4.84E-06	2.49E-04	3.00E-05	5.56E+01		1.85E+03		1.9E+03	K

LDEQ RECAP
WORKSHEET 16
GWairi
(mg/l)

Volatile releases from groundwater to ambient air-Industrial					Derivation of Management Option 2 RS					
Revision Date: 08/04/2003					Run date:	6/10/2015				
INPUTS TO GROUNDWATER TO AMBIENT AIR MODEL-INDUSTRIAL					Site-Specific					
volumetric air content in capillary fringe				nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe				nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil				nc =	0.36	cm3/cm3				
thickness of capillary fringe				hcap =	5	cm				
thickness of vadose zone				hv =	295	cm				
depth to groundwater				Lgw =	300	cm				
wind speed above ground surface in ambient mixing zone				Uair =	225	cm/s				
width of source area parallel to wind				W =	4511	cm				
ambient air mixing zone height				dair =	200	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2										
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2										
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)										
VFgwairi = (H*41*1000)/[1+(Uair*dair*Lgw)/(W*Dws)]										
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)										
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)										
GWairi = Cai*0.001/VFgwairi										
	Ds	Dcap	Dws	VFgwairi	Cai	Cai	GWairi	GWairi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Chloronaphthalene,2-	5.01E-04	1.55E-04	4.83E-04	2.05E-06	#VALUE!	4.09E+02	#VALUE!	1.99E+05	2.0E+05	J
Chlorophenol,2-	7.06E-04	1.32E-04	6.58E-04	3.52E-06	#VALUE!	2.56E+01	#VALUE!	7.25E+03	7.2E+03	J
Chromium(III)										
Chromium(VI)										
Chrysene										
Cobalt										
Copper										
Cyanide (free)										
DDD										
DDE										
DDT										
Dibenz(a,h)anthracene										
Dibenzofuran	8.47E-04	2.51E-03	8.57E-04	1.53E-07	#VALUE!	2.04E+01	#VALUE!	1.34E+05	1.3E+05	J
Dibromo-3-chloropropane,1,2-										
Dichlorobenzene,1,2-	9.41E-04	2.31E-05	5.66E-04	1.47E-05	#VALUE!	2.91E+02	#VALUE!	1.98E+04	2.0E+04	J
Dichlorobenzene,1,3-	8.74E-04	1.21E-05	4.00E-04	1.81E-05	#VALUE!	4.60E+00	#VALUE!	2.54E+02	2.5E+02	J
Dichlorobenzene,1,4-	9.40E-04	1.81E-05	5.09E-04	1.69E-05		1.43E+03		8.44E+04	8.4E+04	K
Dichlorobenzidine,3,3-										
Dichloroethane,1,1-	1.01E-03	1.06E-05	3.94E-04	3.03E-05	#VALUE!	7.31E+02	#VALUE!	2.41E+04	2.4E+04	J
Dichloroethane,1,2-	1.42E-03	5.57E-05	1.01E-03	1.35E-05	3.85E+00		2.84E+02		2.8E+02	K
Dichloroethene,1,1-	1.22E-03	2.75E-06	1.46E-04	5.21E-05	#VALUE!	2.91E+02	#VALUE!	5.59E+03	5.6E+03	J
Dichloroethene,cis,1,2-	1.00E-03	1.55E-05	4.87E-04	2.72E-05	#VALUE!	5.11E+01	#VALUE!	1.88E+03	1.9E+03	J
Dichloroethene,trans,1,2-	9.61E-04	7.36E-06	3.04E-04	3.91E-05	#VALUE!	1.02E+02	#VALUE!	2.61E+03	2.6E+03	J
Dichlorophenol,2,4-										
Dichloropropane,1,2-	1.06E-03	1.75E-05	5.33E-04	2.04E-05		8.26E+03		4.04E+05	4.0E+05	K
Dichloropropene,1,3-	8.56E-04	3.11E-05	5.94E-04	1.44E-05		1.07E+02		7.43E+03	7.4E+03	K
Dieldrin										
Diethylphthalate										
Dimethylphenol,2,4-										
Dimethylphthalate										
Di-n-octylphthalate										
Dinitrobenzene,1,3-										
Dinitrophenol,2,4-										

LDEQ RECAP
WORKSHEET 16
GWairi
(mg/l)

Volatile releases from groundwater to ambient air-Industrial					Derivation of Management Option 2 RS					
Revision Date: 08/04/2003					Run date:	6/10/2015				
INPUTS TO GROUNDWATER TO AMBIENT AIR MODEL-INDUSTRIAL					Site-Specific					
volumetric air content in capillary fringe				nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe				nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil				nc =	0.36	cm3/cm3				
thickness of capillary fringe				hcap =	5	cm				
thickness of vadose zone				hv =	295	cm				
depth to groundwater				Lgw =	300	cm				
wind speed above ground surface in ambient mixing zone				Uair =	225	cm/s				
width of source area parallel to wind				W =	4511	cm				
ambient air mixing zone height				dair =	200	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2										
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2										
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)										
VFgwairi = (H*41*1000)/[1+(Uair*dair*Lgw)/(W*Dws)]										
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)										
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)										
GWairi = Cai*0.001/VFgwairi										
	Ds	Dcap	Dws	VFgwairi	Cai	Cai	GWairi	GWairi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Dinitrotoluene,2,6-										
Dinitrotoluene,2,4-										
Dinoseb										
Endosulfan										
Endrin										
Ethyl benzene	1.02E-03	5.87E-06	2.63E-04	2.84E-05		1.03E+04		3.63E+05	3.6E+05	K
Fluoranthene										
Fluorene	6.23E-04	6.74E-04	6.24E-04	5.43E-07	#VALUE!	2.04E+02	#VALUE!	3.76E+05	3.8E+05	J
Heptachlor										
Heptachlor epoxide										
Hexachlorobenzene	7.41E-04	2.47E-05	4.99E-04	9.03E-06	2.00E-01		2.21E+01		2.2E+01	K
Hexachlorobutadiene										
Hexachlorocyclohexane,alpha										
Hexachlorocyclohexane,beta										
Hexachlorocyclohexane,gamma										
Hexachlorocyclopentadiene	2.19E-04	1.56E-06	6.58E-05	2.43E-05	#VALUE!	2.91E-01	#VALUE!	1.20E+01	1.2E+01	J
Hexachloroethane	3.58E-05	9.52E-06	3.42E-05	1.82E-06	2.50E+01		1.37E+04		1.4E+04	K
Indeno(1,2,3-cd)pyrene										
Isobutyl alcohol										
Isophorone										
Lead (inorganic)										
Mercury (inorganic)										
Methoxychlor										
Methylene chloride	1.38E-03	2.97E-05	7.84E-04	2.35E-05	2.13E+02		9.04E+03		9.0E+03	K
Methyl ethyl ketone	1.28E-03	9.52E-04	1.27E-03	9.77E-07		1.40E+04		1.43E+07	1.4E+07	K
Methyl isobutyl ketone	1.08E-03	3.04E-04	1.03E-03	1.98E-06		4.88E+03		2.46E+06	2.5E+06	K
Methylnaphthalene,2-	7.94E-04	7.36E-04	7.93E-04	6.30E-07	#VALUE!	4.39E+00	#VALUE!	6.98E+03	7.0E+03	J
MTBE (methyl tert-butyl ether)	1.40E-03	9.80E-05	1.15E-03	9.24E-06	#VALUE!	4.38E+03	#VALUE!	4.74E+05	4.7E+05	J
Naphthalene	8.17E-04	8.48E-05	7.15E-04	4.73E-06	#VALUE!	4.39E+00	#VALUE!	9.29E+02	9.3E+02	J
Nickel										
Nitrate										
Nitrite										
Nitroaniline,2-	9.76E-04	4.15E-04	9.54E-04	1.27E-06	#VALUE!	1.48E-01	#VALUE!	1.17E+02	1.2E+02	J

LDEQ RECAP
WORKSHEET 16
GWairi
(mg/l)

Volatile releases from groundwater to ambient air-Industrial					Derivation of Management Option 2 RS					
Revision Date: 08/04/2003					Run date:	6/10/2015				
INPUTS TO GROUNDWATER TO AMBIENT AIR MODEL-INDUSTRIAL					Site-Specific					
volumetric air content in capillary fringe				nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe				nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil				nc =	0.36	cm3/cm3				
thickness of capillary fringe				hcap =	5	cm				
thickness of vadose zone				hv =	295	cm				
depth to groundwater				Lgw =	300	cm				
wind speed above ground surface in ambient mixing zone				Uair =	225	cm/s				
width of source area parallel to wind				W =	4511	cm				
ambient air mixing zone height				dair =	200	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2										
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2										
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)										
VFgwairi = (H*41*1000)/[1+(Uair*dair*Lgw)/(W*Dws)]										
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)										
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)										
GWairi = Cai*0.001/VFgwairi										
	Ds	Dcap	Dws	VFgwairi	Cai	Cai	GWairi	GWairi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Nitroaniline,3-	5.38E-02	2.74E-01	5.45E-02	1.10E-07	#VALUE!	1.53E+01	#VALUE!	1.40E+05	1.4E+05	J
Nitroaniline,4-										
Nitrobenzene	1.41E-03	1.95E-03	1.41E-03	4.65E-07		1.19E+02		2.56E+05	2.6E+05	K
Nitrophenol,4-										
Nitrosodi-n-propylamine,n-										
N-nitrosodiphenylamine										
Pentachlorophenol										
Phenanthrene	7.89E-04	1.81E-03	7.96E-04	2.54E-07	#VALUE!	1.53E+03	#VALUE!	6.03E+06	6.0E+06	J
Phenol	2.52E-02	1.25E-01	2.55E-02	1.39E-07	#VALUE!	1.53E+03	#VALUE!	1.10E+07	1.1E+07	J
Polychlorinated biphenyls										
Pyrene	1.06E-03	3.58E-03	1.07E-03	1.62E-07	#VALUE!	1.53E+02	#VALUE!	9.48E+05	9.5E+05	J
Selenium										
Silver										
Styrene	9.67E-04	1.63E-05	4.90E-04	1.85E-05		1.00E+03		5.42E+04	5.4E+04	K
Tetrachlorobenzene,1,2,4,5-										
Tetrachloroethane,1,1,1,2-	8.18E-04	1.56E-05	4.40E-04	1.45E-05	1.00E-01		6.91E+00		6.9E+00	K
Tetrachloroethane,1,1,2,2-	9.88E-04	1.25E-04	8.86E-04	4.19E-06	1.70E+00		4.06E+02		4.1E+02	K
Tetrachloroethylene	9.78E-04	2.89E-06	1.48E-04	3.73E-05	1.10E+02		2.95E+03		3.0E+03	K
Tetrachlorophenol,2,3,4,6-										
Thallium										
Toluene	1.18E-03	7.61E-06	3.31E-04	3.01E-05		4.00E+02		1.33E+04	1.3E+04	K
Toxaphene										
Trichlorobenzene,1,2,4-	4.13E-04	3.17E-05	3.44E-04	6.70E-06	#VALUE!	2.91E+02	#VALUE!	4.35E+04	4.3E+04	J
Trichloroethane,1,1,1-	1.06E-03	3.29E-06	1.67E-04	3.93E-05	#VALUE!	1.46E+03	#VALUE!	3.72E+04	3.7E+04	J
Trichloroethane,1,1,2-	1.07E-03	5.29E-05	8.10E-04	1.01E-05	6.30E+00		6.22E+02		6.2E+02	K
Trichloroethene	1.07E-03	5.32E-06	2.47E-04	3.49E-05	5.90E+01		1.69E+03		1.7E+03	K
Trichlorofluoromethane	1.18E-03	1.11E-06	6.31E-05	8.39E-05	#VALUE!	1.02E+03	#VALUE!	1.22E+04	1.2E+04	J
Trichlorophenol,2,4,5-										
Trichlorophenol,2,4,6-										
Vanadium										
Vinyl chloride	1.44E-03	9.38E-07	5.42E-05	2.01E-05	1.20E+00		5.98E+01		6.0E+01	K
Xylene(mixed)	9.51E-04	6.04E-06	2.64E-04	2.74E-05	#VALUE!	1.48E+02	#VALUE!	5.40E+03	5.4E+03	J
Zinc										

LDEQ RECAP
WORKSHEET 16
GWairi
(mg/l)

Volatile releases from groundwater to ambient air-Industrial					Derivation of Management Option 2 RS					
Revision Date: 08/04/2003					Run date:	6/10/2015				
INPUTS TO GROUNDWATER TO AMBIENT AIR MODEL-INDUSTRIAL					Site-Specific					
volumetric air content in capillary fringe				nacap =	0.015	cm3-air/cm3-soil				
volumetric water content in capillary fringe				nwcap =	0.345	cm3-water/cm3-soil				
total porosity of capillary fringe soil				nc =	0.36	cm3/cm3				
thickness of capillary fringe				hcap =	5	cm				
thickness of vadose zone				hv =	295	cm				
depth to groundwater				Lgw =	300	cm				
wind speed above ground surface in ambient mixing zone				Uair =	225	cm/s				
width of source area parallel to wind				W =	4511	cm				
ambient air mixing zone height				dair =	200	cm				
Ds = Da*na^3.33/n^2+Dw*1/(H*41)*nw^3.33/n^2										
Dcap = Da*nacap^3.33/nc^2+Dw*1/(H*41)*nwcap^3.33/nc^2										
Dws = (hcap+hv)/(hcap/Dcap+hv/Ds)										
VFgwairi = (H*41*1000)/[1+(Uair*dair*Lgw)/(W*Dws)]										
Cai C-O = (TR*BWa*ATc*365*1000)/(SFi*IRAa*EFi*EDi)										
Cai N-O = (THQ*RfDi*BWa*ATni*365*1000)/(IRAa*EFi*EDi)										
GWairi = Cai*0.001/VFgwairi										
	Ds	Dcap	Dws	VFgwairi	Cai	Cai	GWairi	GWairi	min value	Note
COMPOUND	(cm2/s)	(cm2/s)	(cm2/s)	(mg/m3/mg/l)	C-O (ug/m3)	N-O (ug/m3)	C-O(mg/l)	N-O(mg/l)	(C or N)	
Aliphatics C6-C8	1.36E-03	6.96E-07	4.05E-05	6.77E-04		1.93E+04		2.86E+04	2.9E+04	J
Aliphatics >C8-C10	1.36E-03	6.79E-07	3.96E-05	1.06E-03		1.06E+03		1.00E+03	1.0E+03	J
Aliphatics >C10-C12	1.36E-03	6.70E-07	3.91E-05	1.57E-03		1.10E+03		6.98E+02	7.0E+02	J
Aliphatics >C12-C16	1.36E-03	6.56E-07	3.82E-05	6.65E-03		1.10E+03		1.65E+02	1.6E+02	J
Aliphatics >C16-C35										
Aromatics >C8-C10	1.36E-03	5.30E-06	2.59E-04	4.14E-05		2.19E+02		5.29E+03	5.3E+03	J
Aromatics >C10-C12	1.36E-03	1.66E-05	5.79E-04	2.71E-05		2.19E+02		8.09E+03	8.1E+03	J
Aromatics >C12-C16	1.37E-03	4.28E-05	9.02E-04	1.59E-05		2.19E+02		1.37E+04	1.4E+04	J
Aromatics >C16-C21										
Aromatics >C21-C35										
TPH-GRO (C6-C10)						2.19E+02			1.0E+03	
TPH-DRO (C10-C28)										
TPH-ORO (>C28)										
J - Risk-based value calculated with one of the equations EQ 56 thru 59.										
K - Louisiana Toxic Air Pollutant Ambient Air Standards (LAC 33:III.5112 Table 51.2).										

INTERNATIONAL TECHNOLOGY CORPORATION

RECEIVED
AUG 14 1992
UNDERGROUND STORAGE TANK DIVISION

July 17, 1992

Project No. 318005-060-40

Mr. Mark Schutt
MAPCO Petroleum, Inc.
Post Office Box 645
Tulsa, Oklahoma 74101-0645

Site Assessment
Delta Express Store No. 3060
123 Lobdell Highway @ I-10
Port Allen, Louisiana ipl-000212

Dear Mr. Schutt:

IT Corporation is pleased to present data collected during a recent environmental site assessment conducted at the above referenced facility. The purpose of the assessment was to determine if the site had been impacted by hydrocarbons due to operation of an underground storage tank system. IT Corporation subcontracted Layne Environmental Services to perform drilling services which were conducted on July 2, 1992. The following paragraphs describe drilling activities, soil and groundwater sampling, and analytical testing.

Soil Borings and Sampling

On July 2, 1992, six soil borings were advanced to a total depth of 20 feet below ground surface using hollow stem auger equipment with 3.25 inch I.D. augers. Soil samples were recovered using Shelby tube samplers at five foot intervals and placed in separate air tight containers to allow for volatilization of possible hydrocarbon vapors. Hydrocarbon vapor concentrations were monitored using a photoionization detector (PID). Soil boring logs showing visual classification of soils and PID readings were constructed by an on-site IT Geologist for each individual soil boring and are included as Attachment A. All drilling equipment (augers, rods, etc.) was steam-cleaned between each soil boring.

Soil Analytical Results

The soil samples exhibiting the highest PID reading from soil borings B-1, B-2, B-3, and B-4 were retained, placed on ice, and shipped by overnight freight to the IT Corporation Analytical Laboratory in Austin, Texas. These soil samples were analyzed for benzene, toluene, ethylbenzene, xylene (BTEX, Method 8020) and total petroleum hydrocarbons-

1150 LeBlanc Road ▪ Port Allen, LA 70767 ▪ (504) 344-8530

gasoline (TPH-G, Method 8015) as requested. Also, the selected soil sample from soil borings B-3, B-5, and B-6 were analyzed for total petroleum hydrocarbons-diesel (TPH-D, Method 8015). The Certificate of Analysis is included in Attachment B with the data summarized in Table 1. As shown in Table 1, total BTEX concentrations in the soil range from 0.002 parts per million (ppm) in boring B-2 to 188.8 ppm in B-4. Soil borings B-1 and B-3 exhibited BTEX concentrations of 0.373 and 0.453 ppm, respectively. TPH-G concentrations in the soil range from below detectable limits in borings B-1 and B-2 to 1700 ppm in B-4. Soil boring B-3 exhibited a TPH-G concentration of 16.0 ppm. TPH-D concentrations of 25, 4.4, and 1.4 ppm were reported in the soil samples analyzed from soil borings B-3, B-5, and B-6.

Groundwater Sampling

Upon completion of all soil borings, groundwater samples were collected using a new nylon rope and polyethylene disposable bailer for each sample. Samples to be analyzed for BTEX and TPH-G were placed in HCl preserved containers and samples to be analyzed for TPH-D were placed in containers preserved with H_2SO_4. The groundwater samples were shipped (on ice) to the IT Analytical Laboratory along with the soil samples. After completion of sampling activities, each boring was grouted to the surface and topped with a six inch layer of concrete to restore the site to its original condition.

Groundwater Analytical Results

The four groundwater samples collected from soil borings B-1, B-2, B-3, and B-4 were analyzed for BTEX (Method 8020) and TPH-G (Method 8015). Groundwater samples collected from soil borings B-3 and B-5 were analyzed for TPH-D (Method 8015). Groundwater was not sampled from soil boring B-6 due to the presence of phase separated hydrocarbons (approximately 0.5 inches). The Certificate of Analysis is included in Attachment B with the data summarized in Table 2. As shown in Table 2, total BTEX concentrations in groundwater range from 0.288 ppm in soil boring B-2 to 33.5 ppm in boring B-4. Soil borings B-1 and B-3 exhibited groundwater BTEX concentrations of 24.1 ppm and 8.81 ppm, respectively. TPH-G concentrations range from 4.2 ppm in groundwater analyzed from soil boring B-2 to 180 ppm in B-4. Groundwater analyzed from soil borings B-1 and B-3 exhibited TPH-G concentrations of 130 ppm and 46 ppm, respectively. TPH-D concentrations of 2500 and 0.21 ppm were reported for groundwater samples analyzed from soil borings B-3 and B-5, respectively.

Conclusions

The following conclusions are made based on the data presented previously:

- Phase separated hydrocarbons (approximately 0.5 inch) were detected in one of the six soil borings (B-6) installed on July 2, 1992.

- Hydrocarbons have impacted the soil and groundwater beneath Delta Express Store No. 3060 as indicated by data presented on this report. The concentrations reported are above levels typically accepted by the Louisiana Department of Environmental Quality (LDEQ) for no further action or "Termination of Remediation".

- The LDEQ should be notified of current site conditions and the results presented herein, since the constituents detected during this assessment do not occur naturally.

IT Corporation appreciates the opportunity to be of service to MAPCO Petroleum and will be happy to assist in reporting, if desired. Should you have any questions or comments, or require any additional information, please contact us at 800-321-5479.

Sincerely,
IT CORPORATION

Richard W. Lee
Project Manager

Todd M. Browning
Office Manager
Groundwater Field Services

RWL/TMB:hm
Attachments

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
DELTA EXPRESS STORE NO. 3060
123 LOBDELL HIGHWAY @ I-10
PORT ALLEN, LOUISIANA

Boring No./ Depth	Sample Date	Benzene	Toluene	Ethyl-benzene	Xylenes	Total BTEX	TPH-G	TPH-D
B-1 (3-5)	07/02/92	0.016	0.028	0.079	0.250	0.373	ND	NA
B-2 (3-5)	07/02/92	ND	ND	ND	0.002	0.002	ND	NA
B-3 (3-5)	07/02/92	0.140	0.006	0.220	0.087	0.453	16.0	25
B-4 (3-5)	07/02/92	4.80	54.0	20.0	110.0	188.8	1700.0	NA
B-5 (3-5)	07/02/92	NA	NA	NA	NA	NA	NA	4.4
B-6 (3-5)	07/02/92	NA	NA	NA	NA	NA	NA	1.4

ND - Not Detected
NA - Not Analyzed
All results in milligrams per kilogram (ppm).

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
DELTA EXPRESS STORE NO. 3060
123 LOBDELL HIGHWAY @ I-10
PORT ALLEN, LOUISIANA

Boring No.	Sample Date	Benzene	Toluene	Ethyl-benzene	Xylenes	Total BTEX	TPH-G	TPH-D
B-1	07/02/92	1.10	5.90	3.10	14.0	24.1	130	NA
B-2	07/02/92	0.140	0.044	0.022	0.082	0.288	4.2	NA
B-3	07/02/92	1.500	0.910	1.400	5.00	8.810	46	2500
B-4	07/02/92	3.40	12.00	3.10	15.00	33.50	180	NA
B-5	07/02/92	NA	NA	NA	NA	NA	NA	0.21
B-6	07/02/92	NS	NS	NS	NS	NS	NS	NS

ND - Not Detected
NA - Not Analyzed
All results in milligrams per liter (ppm)
Soil Boring B-6 was not sampled due to presence of free product (approx. 0.5 inch).

pa/07-92/Mapco 2/060.716

FIGURES

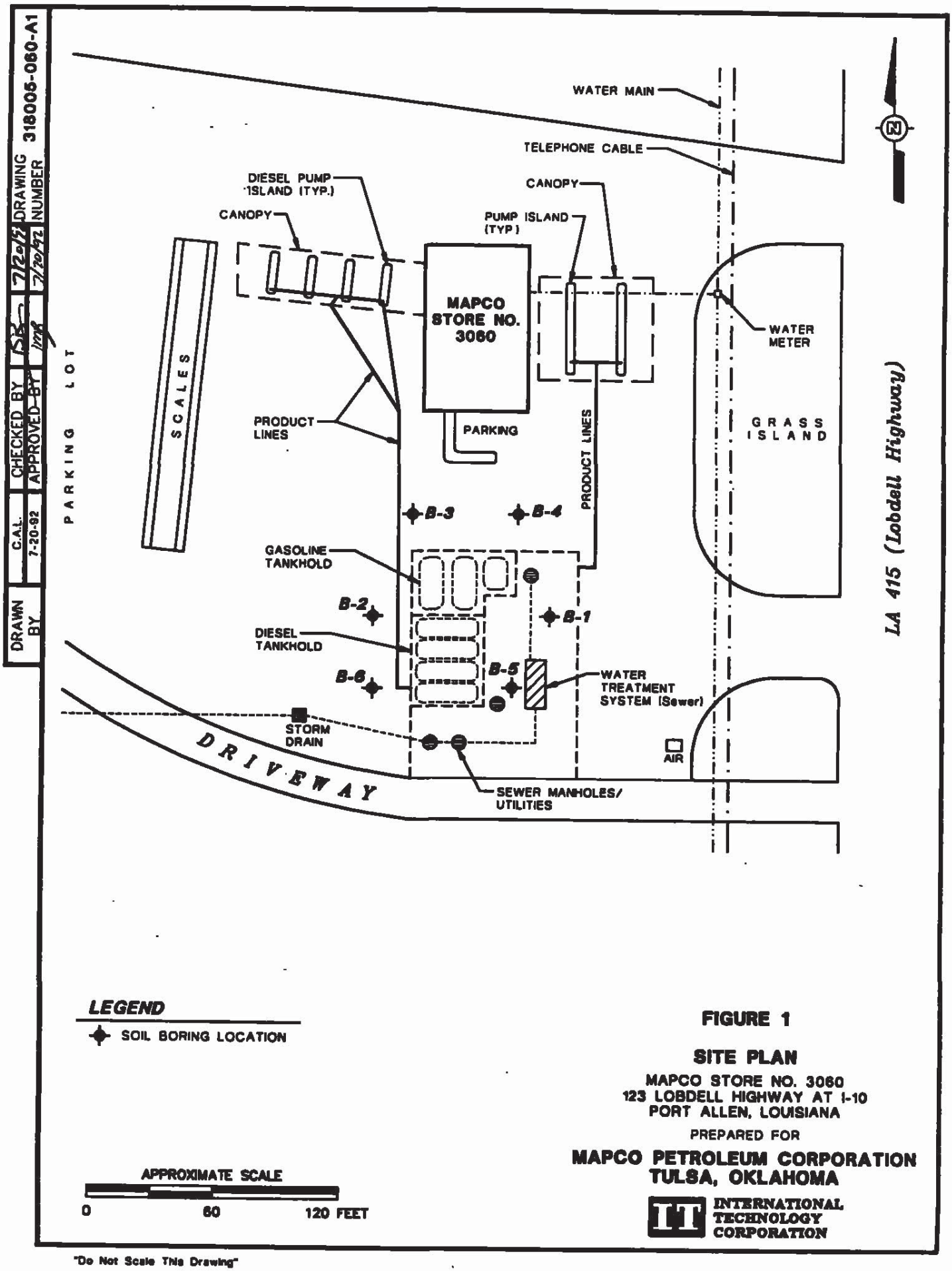


FIGURE 1

SITE PLAN

MAPCO STORE NO. 3060
123 LOBDELL HIGHWAY AT I-10
PORT ALLEN, LOUISIANA

PREPARED FOR

MAPCO PETROLEUM CORPORATION
TULSA, OKLAHOMA

INTERNATIONAL TECHNOLOGY CORPORATION

"Do Not Scale This Drawing"

ATTACHMENT A

SOIL BORING LOGS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: *318005-060*	PROJECT NAME: *MAPCO – Port Allen, LA*	
BORING NUMBER: *B-1*	COORDINATES: *N/A*	DATE: *7/02/92*
ELEVATION: *N/A*	GWL: DEPTH: *3.0 ft.* TIME: *10:00*	DATE STARTED: *7/02/92*
ENGINEER/GEOLOGIST: *Andy Wheeler*	DEPTH: TIME:	DATE COMPLETED: *7/02/92*
DRILLING METHOD: *Hollow Stem Auger*		PAGE 1 OF 1

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
2	*Auger*	*08:10*	*Soft, gray, sandy CLAY, moist, rootlets.*	*12*	*09:45*	*Slight odor*
4	*ST 1*	*08:15 1.5*	*Soft, brown and gray mottled, sandy CLAY, moist*	*30*	*09:46*	*Slight odor Sample selected for analysis*
6						
8						
10	*ST 2*	*08:20 1.75*	*Soft, gray, silty CLAY, moist to wet.*	*9*	*09:48*	*Slight odor*
12						
14	*ST 3*	*08:25 2.0*	*Stiff, brown and gray mottled, silty CLAY, moist.*	*5*	*09:49*	*No odor*
16						
18	*ST 4*	*08:30*	*Stiff, brown and gray mottled, silty CLAY, moist.*	*1*	*09:50*	*No odor*
20			*TD = 20 ft.*			

NOTES: *All times military*
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee 7-14-92

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: *318005-060*		**PROJECT NAME:** *MAPCO – Port Allen, LA*					
BORING NUMBER: *B-2*		**COORDINATES:** *N/A*				**DATE:** *7/02/92*	
ELEVATION: *N/A*		**GWL: DEPTH:** *3.0 ft.*		**TIME:** *10:00*		**DATE STARTED:** *7/02/92*	
ENGINEER/GEOLOGIST: *Andy Wheeler*		**DEPTH:**		**TIME:**		**DATE COMPLETED:** *7/02/92*	
DRILLING METHOD: *Hollow Stem Auger*						**PAGE** *1* **OF** *1*	

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
–	*Auger*	*09:00*	*0–6" asphalt* *Soft, gray, silty CLAY, moist.*	*13*	*10:00*	*Slight odor*
-- 2						
-- 4	*ST*	*09:05*	*Soft, brown and gray mottled, silty CLAY,*	*38*	*10:01*	*Slight odor*
–	*1*	*2.0*	*moist*			*Sample selected for analysis*
-- 6						
-- 8						
–	*ST*	*09:10*	*Very fine to fine, brown and gray mottled,*	*10*	*10:02*	*Slight odor*
-- 10	*2*	*2.0*	*silty SAND, wet.*			
-- 12						
-- 14	*ST*	*09:15*	*Stiff, gray, silty CLAY, moist, rootlets.*	*15*	*10:03*	*No odor*
–	*3*	*2.0*				
-- 16						
-- 18	*ST*	*09:20*	*Stiff, gray, silty CLAY, moist, rootlets.*	*4*	*10:04*	*No odor*
–	*4*	*2.0*				
-- 20						
–			*TD = 20 ft.*			
--						
–						
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–						
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–						
--						
–						
--						
–						
--						

NOTES: *All times military*
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee 7-14-92

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 318005-060	**PROJECT NAME:** MAPCO – Port Allen, LA		
BORING NUMBER: B-3	**COORDINATES:** N/A		**DATE:** 7/02/92
ELEVATION: N/A	**GWL: DEPTH:** 3.5 ft.	**TIME:** 12:00	**DATE STARTED:** 7/02/92
ENGINEER/GEOLOGIST: Andy Wheeler	**DEPTH:**	**TIME:**	**DATE COMPLETED:** 7/02/92
DRILLING METHOD: Hollow Stem Auger			**PAGE 1 OF 1**

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
			0–6" asphalt			
– 2	Auger	10:25	Soft, gray, silty CLAY, moist.	5	11:30	Slight odor
– 4	ST 1	10:30 2.0	Soft, brown and gray mottled, silty CLAY, moist	30	11:31	Moderate odor Sample selected for analysis
– 6						
– 8	ST 2	10:35 2.0	Very fine to fine, brown and gray mottled, silty CLAY, wet.	15	11:32	Slight odor
– 10						
– 12						
– 14	ST 3	10:40 2.0	Stiff, gray, silty CLAY, moist, rootlets.	3	11:33	No odor
– 16						
– 18	ST 4	10:45 2.0	Stiff, gray, silty CLAY, moist, rootlets.	1	11:34	No odor
– 20			TD = 20 ft.			

NOTES: All times military
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee 7-14-92

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 318005-060	**PROJECT NAME:** MAPCO – Port Allen, LA		
BORING NUMBER: B-4	**COORDINATES:** N/A		**DATE:** 7/02/92
ELEVATION: N/A	**GWL: DEPTH:** 3.5 ft.	**TIME:** 14:00	**DATE STARTED:** 7/02/92
ENGINEER/GEOLOGIST: Andy Wheeler	**DEPTH:**	**TIME:**	**DATE COMPLETED:** 7/02/92
DRILLING METHOD: Hollow Stem Auger			**PAGE 1 OF 1**

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
–			0–6" asphalt			
– 2	Auger	12:20	Soft, gray, silty CLAY, moist.	18	14:20	Slight odor
– 4	ST 1	12:25 2.0	Soft, brown and gray mottled, silty CLAY, moist	110	14:21	Strong odor Sample selected for analysis
– 6						
– 8						
– 10	ST 2	12:30 1.75	Very fine to fine, brown and gray mottled, silty SAND, wet.	25	14:22	Slight odor
– 12						
– 14	ST 3	12:35 2.0	Stiff, gray, silty CLAY, moist, rootlets.	5	14:23	No odor
– 16						
– 18	ST 4	12:40 2.0	Stiff, gray, silty CLAY, moist, rootlets.	2	14:24	No odor
– 20			TD = 20 ft.			

NOTES: All times military
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee 7-14-92

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 318005-060	PROJECT NAME: MAPCO – Port Allen, LA	
BORING NUMBER: B-5	COORDINATES: N/A	DATE: 7/02/92
ELEVATION: N/A	GWL: DEPTH: 5.0 ft. TIME: 14:45	DATE STARTED: 7/02/92
ENGINEER/GEOLOGIST: Andy Wheeler	DEPTH: TIME:	DATE COMPLETED: 7/02/92
DRILLING METHOD: Hollow Stem Auger		PAGE 1 OF 1

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
– 2	Auger	13:30	Soft, gray, silty CLAY, moist.	0	14:30	Slight odor
– 4 – 6	ST 1	13:35 2.0	Soft, brown and gray mottled, silty CLAY, wet.	2	14:31	Slight odor Sample selected for analysis
– 8 – 10	ST 2	13:40 2.0	Very fine to fine, gray mottled, silty SAND, wet.	1	14:32	No odor
– 12 – 14	ST 3	13:45 2.0	Brown and gray mottled, silty CLAY, moist.	0	14:33	No odor
– 16 – 18	ST 4	13:50 2.0	Soft, gray, silty CLAY, moist.	0	14:34	No odor
– 20 –			TD = 20 ft.			

NOTES: All times military
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee 7-14-92

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: *318005-060*	PROJECT NAME: *MAPCO – Port Allen, LA*		
BORING NUMBER: *B-6*	COORDINATES: *N/A*		DATE: *7/02/92*
ELEVATION: *N/A*	GWL: DEPTH: *4.0 ft.* TIME: *16:00*		DATE STARTED: *7/02/92*
ENGINEER/GEOLOGIST: *Andy Wheeler*	DEPTH: TIME:		DATE COMPLETED: *7/02/92*
DRILLING METHOD: *Hollow Stem Auger*			PAGE 1 OF 1

DEPTH FEET	SAMPLE TYPE & NO	SAMPLE TIME & RECOVERY	DESCRIPTION	HNU (ppm)	HNU TIME MEASURED	REMARKS
–			*0–6" asphalt*			
– 2	*Auger*	*14:45*	*Soft, gray, silty CLAY, moist.*	*5*	*16:44*	*Slight odor*
– 4	*ST 1*	*14:50 2.0*	*Soft, brown and gray mottled, silty CLAY, moist.*	*15*	*16:45*	*Stong odor Sample selected for analysis*
– 6						
– 8						
– 10	*ST 2*	*14:55 1.75*	*Soft, brown and gray, mottled, silty CLAY, wet.*	*3*	*16:46*	*Slight odor*
– 12						
– 14	*ST 3*	*15:00 2.0*	*Soft, brown and gray, mottled, silty CLAY, wet.*	*0*	*16:47*	*No odor*
– 16						
– 18	*ST 4*	*15:05 2.0*	*Soft, gray, silty CLAY, moist.*	*0*	*16:48*	*No odor*
– 20			*TD = 20 ft.*			
–						

NOTES: *All times military*
TD = Total Depth
SS = Split Spoon
ST = Shelby Tube

QA Approval by: Richard W. Lee

INTERNATIONAL TECHNOLOGY CORPORATION

ATTACHMENT B

CERTIFICATE OF ANALYSIS
SOIL AND GROUNDWATER SAMPLES

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

MAPCO PETROLEUM
IT CORPORATION
1150 LE BLANC RD.
PORT ALLEN, LA 70767
ANDY WHEELER

Date: 07/13/92

Work Order: B2-07-023

This is the Certificate of Analysis for the following samples:

Client Work ID: B1-6 318005-060-40
Date Received: 07/03/92
Number of Samples: 6
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
B-1 (3-5)	B2-07-023-01
B-2 (3-5)	B2-07-023-02
B-3 (3-5)	B2-07-023-03
B-4 (3-5)	B2-07-023-04
B-5 (3-5)	B2-07-023-05
B-6 (3-5)	B2-07-023-06

Reviewed and Approved:

Jon Bartell
Laboratory Director

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol except as noted in Section IV or in an optional sample narrative at the end of Section III.

In the presented analytical data, 'ND' or '<' indicates that the compound is not detected at the specified limit.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-1 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
ANALYSIS DATE: 07/07/92
FIRST ANALYSIS: 07/06/92
DILUTION FACTOR: 1.0
UNITS: ug/kg

	Result	Reporting Limit
Benzene	16	1.0
Ethylbenzene	79	1.0
Toluene	28	1.0
Xylenes (total)	250	1.0

Surrogates	% Recovery
o-Chlorofluorobenzene	100

Total BTEX concentration: 373 ug/kg

ANALYSIS DATE: 07/06/92

TPH - Low boilers

	Results in mg/kg	Reporting Limit
Gasoline	ND	5.0

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-2 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
ANALYSIS DATE: 07/06/92
FIRST ANALYSIS: 07/06/92
DILUTION FACTOR: 7.0
UNITS: ug/kg

	Result	Reporting Limit
Benzene	ND	7.0
Ethylbenzene	ND	7.0
Toluene	ND	7.0
Xylenes (total)	1.8	7.0

Surrogates	% Recovery
o-Chlorofluorobenzene	89

Total BTEX concentration: 1.8 ug/kg

TPH - Low boilers

Results in mg/kg		Reporting Limit
Gasoline	ND	5.0

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-3 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
ANALYSIS DATE: 07/06/92
FIRST ANALYSIS: 07/06/92
DILUTION FACTOR: 1.0
UNITS: ug/kg

	Result	Reporting Limit
Benzene	140	1.0
Ethylbenzene	220	1.0
Toluene	6.4	1.0
Xylenes (total)	87	1.0

Surrogates	% Recovery
o-Chlorofluorobenzene	96

Total BTEX concentration: 453.4 ug/kg

ANALYSIS DATE: 07/08/92

TPH - Low boilers

	Results in mg/kg	Reporting Limit
Gasoline	16	5.0

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: TPH by GC (mod EPA 8015)
METHOD REFERENCE: CALIFORNIA

SAMPLE ID: B-3 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
EXTRACTION DATE: 07/06/92
EXTRACTION METHOD: 3540
ANALYSIS DATE: 07/10/92
UNITS: mg/L

	Result	Reporting Limit
Diesel	25	1.4

Surrogates	% Recovery
C-32	83

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-4 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
ANALYSIS DATE: 07/09/92
FIRST ANALYSIS: 07/07/92
DILUTION FACTOR: 500
UNITS: ug/kg

	Result	Reporting Limit
Benzene	4800	500
Ethylbenzene	20000	500
Toluene	54000	500
Xylenes (total)	110000	500

Surrogates	% Recovery
1,4-Difluorobenzene	93

Total BTEX concentration: 188800 ug/kg

TPH - Low boilers

	Results in mg/kg	Reporting Limit
Gasoline	1700	50

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6

318005-060-40 Work Order: B2-07-023

TEST NAME: TPH by GC (mod EPA 8015)
METHOD REFERENCE: CALIFORNIA

SAMPLE ID: B-5 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
EXTRACTION DATE: 07/06/92
EXTRACTION METHOD: 3540
ANALYSIS DATE: 07/10/92
UNITS: mg/L

	Result	Reporting Limit
Diesel	4.4	1.3

Surrogates	% Recovery
C-32	119

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

TEST NAME: TPH by GC (mod EPA 8015)
METHOD REFERENCE: CALIFORNIA

SAMPLE ID: B-6 (3-5)
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: SOIL
EXTRACTION DATE: 07/06/92
EXTRACTION METHOD: 3540
ANALYSIS DATE: 07/10/92
UNITS: mg/L

	Result	Reporting Limit
Diesel	1400	140

Referenced notes for these results:

Surrogate was diluted out.

IT ANALYTICAL SERVICES
AUSTIN, TX

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-6 318005-060-40 Work Order: B2-07-023

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME BTEX+Gasoline - Purge+Trap TEST CODE BTEX_G

BTEX	Method 8020, SW-846, Test Methods for Evaluating Solid Wastes, 3rd Edition. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve. This method exceeds the requirement of Method 602.
TPH-Extractable Petroleum Hydrocarbons	Modified Method 8015 by purge-and-trap GC with FID detection. Quantitation of sample components as gasoline.

TEST NAME TPH by GC (mod EPA 8015) TEST CODE TPH_D

TPH-Extractable Petroleum Hydrocarbon	EPA Methods 3510 for extraction of samples and modified EPA Method 8015 for GC/FID analysis of extracts run against Diesel standard.

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

MAPCO PETROLEUM
IT CORPORATION
1150 LE BLANC RD.
PORT ALLEN, LA 70767
ANDY WHEELER

Date: 07/13/92

Work Order: B2-07-022

This is the Certificate of Analysis for the following samples:

Client Work ID: B1-5 318005-060-40
Date Received: 07/03/92
Number of Samples: 5
Sample Type: WATER

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
B-1	B2-07-022-01
B-2	B2-07-022-02
B-3	B2-07-022-03
B-4	B2-07-022-04
B-5	B2-07-022-05

Reviewed and Approved:

Jon Bartell
Laboratory Director

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

318005-060-40 Work Order: B2-07-022

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol except as noted in Section IV or in an optional sample narrative at the end of Section III.

In the presented analytical data, 'ND' or '<' indicates that the compound is not detected at the specified limit.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

318005-060-40 Work Order: B2-07-022

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-1
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
ANALYSIS DATE: 07/07/92
FIRST ANALYSIS: 07/07/92
DILUTION FACTOR: 100
UNITS: ug/L

	Result	Reporting Limit
Benzene	1100	100
Ethylbenzene	3100	100
Toluene	5900	100
Xylenes (total)	14000	100

Surrogates	% Recovery
1,4-Difluorobenzene	93

Total BTEX concentration: 24100 ug/L

TPH - Low boilers

	Results in mg/L	Reporting Limit
Gasoline	130	10

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

318005-060-40 Work Order: B2-07-022

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-2
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
ANALYSIS DATE: 07/08/92
FIRST ANALYSIS: 07/06/92
DILUTION FACTOR: 1.0
UNITS: ug/L

	Result	Reporting Limit
Benzene	140	1.0
Ethylbenzene	22	1.0
Toluene	44	1.0
Xylenes (total)	82	1.0

Surrogates	% Recovery
1,4-Difluorobenzene	88

Total BTEX concentration: 288 ug/L

ANALYSIS DATE: 07/06/92

TPH - Low boilers

	Results in mg/L	Reporting Limit
Gasoline	4.2	0.5

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5 318005-060-40 Work Order: B2-07-022

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-3
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
ANALYSIS DATE: 07/08/92
FIRST ANALYSIS: 07/07/92
DILUTION FACTOR: 25
UNITS: ug/L

	Result	Reporting Limit
Benzene	1500	25
Ethylbenzene	1400	25
Toluene	910	25
Xylenes (total)	5000	25

Surrogates	% Recovery
1,4-Difluorobenzene	107

Total BTEX concentration: 8810 ug/L

TPH - Low boilers

	Results in mg/L	Reporting Limit
Gasoline	46	2.5

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

318005-060-40 Work Order: B2-07-022

TEST NAME: TPH by GC (mod EPA 8015)
METHOD REFERENCE: CALIFORNIA

SAMPLE ID: B-3
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
EXTRACTION DATE: 07/06/92
EXTRACTION METHOD: 3520
ANALYSIS DATE: 07/10/92
UNITS: mg/L

	Result	Reporting Limit
Diesel	2500	9.7

Referenced notes for these results:

Surrogate was diluted out.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5 318005-060-40 Work Order: B2-07-022

TEST NAME: BTEX+Gasoline - Purge+Trap
METHOD REFERENCE: EPA8020

SAMPLE ID: B-6
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
ANALYSIS DATE: 07/07/92
FIRST ANALYSIS: 07/07/92
DILUTION FACTOR: 200
UNITS: ug/L

	Result	Reporting Limit
Benzene	3400	200
Ethylbenzene	3100	200
Toluene	12000	200
Xylenes (total)	15000	200

Surrogates	% Recovery
1,4-Difluorobenzene	98

Total BTEX concentration: 33500 ug/L

TPH - Low boilers

	Results in mg/L	Reporting Limit
Gasoline	180	20

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

318005-060-40 Work Order: B2-07-022

TEST NAME: TPH by GC (mod EPA 8015)
METHOD REFERENCE: CALIFORNIA

SAMPLE ID: B-5
SAMPLE DATE: 07/02/92
SAMPLE MATRIX: WATER
EXTRACTION DATE: 07/06/92
EXTRACTION METHOD: 3520
ANALYSIS DATE: 07/10/92
UNITS: mg/L

	Result	Reporting Limit
Diesel	0.21	0.049

Surrogates	% Recovery
C-32	116

Company: MAPCO PETROLEUM
Date: 07/13/92
Client Work ID: B1-5

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

318005-060-40 Work Order: B2-07-022

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME BTEX+Gasoline - Purge+Trap TEST CODE BTEX_G

BTEX	Method 8020, SW-846, Test Methods for Evaluating Solid Wastes, 3rd Edition. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve. This method exceeds the requirement of Method 602.
TPH-Extractable Petroleum Hydrocarbons	Modified Method 8015 by purge-and-trap GC with FID detection. Quantitation of sample components as gasoline.

TEST NAME TPH by GC (mod EPA 8015) TEST CODE TPH_D

TPH-Extractable Petroleum Hydrocarbon	EPA Methods 3510 for extraction of samples and modified EPA Method 8015 for GC/FID analysis of extracts run against Diesel standard.

5201022

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 423270

Page 2 of 2

Project Name Mapco

Project No. 318005-060

Samples Shipment Date

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
B-1 (3-5)	Soil	7-2-92 08:15	1-40z Glass	4 oz.	None	BTEX 8020 TPH-Gasoline	Good 1°C	
B-2 (3-5)	↓	7-2-92 09:05	↓	↓	↓	↓	FOR LAB USE ONLY	
B-3 (3-5)		7-2-92 10:30						
B-4 (3-5)		7-2-92				↓		
B-3 (3-5)	↓	7-2-92 10:30	↓	↓	↓	TPH-Diesel	FOR LAB USE ONLY	
[redacted]								
							FOR LAB USE ONLY	

White: To accompany samples Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

B20/022

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 423270
Page 1 of 2

Project Name/No. [1] Mapco/318005-060-40
Sample Team Members [2] Andy Wheeler
Profit Center No. [3] 2261
Project Manager [4] Steve Burnham
Purchase Order No. [6] —
Required Report Date [11] 5 day turnaround

Samples Shipment Date [7] 7-2-92
Lab Destination [8] IT AS Austin
Lab Contact [9] Karmen Deans
Project Contact/Phone [12] Andy Wheeler/504-314-8530
Carrier/Waybill No. [13] Fed-X 173 0208772

Bill to: [5] IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
Attn: Andy Wheeler

Report to: [10] Same As Above

7/3/92

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Preservative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
B-1	Water	7-2-92 15:15	2-40ml VOA's	80ml	HCl	BTEX 8020 TPH-Gasoline	Good/OC	Lot # B1296020A
B-2	↓	7-2-92 15:30	↓	"	↓	BTEX 8020 TPH-Gasoline	That 7/3/92	↓
B-3		7-2-92 15:45	↓	"	↓	"		
B-3		7-2-92 15:45	2-1 Hr. Amber	2 Hrs	H_2SO_4	TPH-Diesel		
B-4		7-2-92 16:00	2-40ml VOA's	80ml	HCl	BTEX 8020 TPH-Gasoline		↓
B-5	↓	7-2-92 16:15	2-1 Hr Amber	2 Hrs	H_2SO_4	TPH-Diesel		
B-5 (3-5)	Soil	7-2-92 13:35	1-4 oz Glass	4 oz	—			
B-6 (3-5)	Soil	7-2-92 14:50	"	"	—	↓	↓	

Special Instructions: [23] 5 day Turnaround

Possible Hazard Identification: [24]
Non-hazard [Y] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ]

Sample Disposal: [25]
Return to Client [ ] Disposal by Lab [Y] Archive ____ (mos.)

Turnaround Time Required: [26] 5 days
Normal [ ] Rush [ ]

QC Level: [27]
I [N] II [ ] III [ ] Project Specific (specify): ____

1. Relinquished by [28] (Signature/Affiliation) Andy Wheeler/IT	Date: 7-2-92 Time: 18:00	1. Received by [28] (Signature/Affiliation) IT	Date: 7/3/92 Time: 0902
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions

MCA 3/15/91

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

May 31, 1995

William A. Kucharski
Secretary

Mr. Mark Schutt
MAPCO Petroleum, Inc.
1101 Kermit Drive, Suite 600
Nashville, Tennessee 37217-2120

Re: Corrective Action Plan Approval
MAPCO Facility No. 3060
123 Lobdell Highway at I-10
Port Allen, Louisiana
(West Baton Rouge Parish)
Facility ID No. 61-006212
Incident No. UE-92-2=0174

Dear Mr. Schutt:

The Underground Storage Tank Division has received and reviewed Energy Associates Inc.'s April 1, 1995, correspondence submitting two corrective action plans for the above-referenced facility. Remedial option No. 1, which consists of vacuum enhanced pumping to recover soil vapors, free-phase product, and groundwater simultaneously utilizing a single pump system, is considered an acceptable plan for remediating the site. The cost estimate of $146,238 is noted for future reference. Final cost approval is pending the receipt and review of a request for reimbursement by the Motor Fuel Trust Fund. In order to insure maximum potential eligibility under the UST Trust Fund, all site activities relevant to this incident must be conducted in accordance with UST Motor Fuels Trust Fund Cost Control Guidance Document, as revised January 7, 1994.

You may begin implementing this plan after all appropriate permits have been received.

Thank you for your cooperation in this matter. If you have any questions, please call Charles J. Melchior at (504) 295-8583.

Sincerely,

Harold F. Ethridge, Jr.
Administrator

HFE:CJM
c: Stephen J. Burnham, Engineering Associates, Inc.
Capital Regional Office
Trust Fund Section

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

May 31, 1995

William A. Kucharski
Secretary

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1101 Kermit Drive, Suite 600
Nashville, Tennessee 37217-2120

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Sincerely,

Harold F. Ethridge, Jr.
Administrator

HFE:CJM
c: Stephen J. Burnham, Engineering Associates, Inc.
Capital Regional Office
Trust Fund Section

ENGINEERING
ASSOCIATES, INC.
CONSULTING ENGINEERS
CIVIL • ENVIRONMENTAL • LAND SURVEYING

RECEIVED
JUN 11 2002
LA. DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # RS2002-545

June 10, 2002

Project No. 94100-060

Mr. Keith Casanova, Administrator
Louisiana Department of Environmental Quality
P.O. Box 82178
Baton Rouge, LA 70884-2178

Remediation Services Division
Manager: Bradford
Team Leader: Peacock
AI #: 31055
TEMPO Task #:
Desk Copy File Room: RST

Product Line Repair
Williams TravelCenter No. 3060
123 Lobdell Highway @ I-10
Port Allen, LA
Facility ID No. 61-006212
Agency Interest No. ~~72689~~

Dear Mr. Casanova:

This correspondence is intended to provide you with details concerning a product line repair recently performed at the captioned site. This submittal is on behalf of our client, Williams TravelCenters, Inc (Williams).

On May 29, 2002, Williams maintenance personnel observed a small quantity of diesel fuel seeping through pavement joints near the diesel fuel dispensers. Internal compliance records were confirmed by Williams compliance personnel to indicate no problems. However, Williams' standard operating procedure indicated that a line test was the warranted course of action. Williams subcontracted SEMS, Inc. to perform the line tightness tests at the site. Ms. Laurie Peacock of your office was also contacted verbally by our office.

On May 30, 2002 line tightness tests were performed and one line did not pass. The line was taken out of service and a helium test was conducted on May 31, 2002 in an effort to locate the line leak. Removal of concrete pavement and excavation was performed in the vicinity of the suspected leak. A leak was confirmed to be present in one of the diesel fuel product lines, the location of which is shown on the attached map. The leak appeared to have been the result of abrasion between the fiberglass product line and an electrical conduit located immediately below the line. The abrasion caused a small rupture in the 3-inch diameter secondary containment line as well as the internal 2-inch diameter product line.

D:\06-02\94100\casanovaportallen.0606

Both the 3-inch secondary containment line and the 2-inch product line were repaired. A subsequent tightness test was performed on June 1, 2002 and the line was confirmed to pass the test, at which time it was placed back into service.

Approximately two cubic yards of impacted soil were removed from the excavation area and were covered with plastic on the site. Excavation of additional soils was not possible due to the presence of multiple conduits/lines in the excavation area. Approximately 10 gallons of diesel fuel/water mixture was also recovered from the excavation area. The mixture was placed in the on-site oil/water separator.

Two soil samples were collected from the bottom of the excavation area. The samples were forwarded to Southern Petroleum Laboratories, Inc. for analysis of TPH-DRO and PAH concentrations. We are currently awaiting the results of the sample analyses. It should be noted, however, that the extent of impacts to the site was unable to be confirmed during performance of line repair activities.

We appreciate your assistance in this matter and will forward sample analysis results to your office upon receipt by our office. Should you have any questions or require additional information, please give me a call or Mr. Brian Parnell of Williams at 615-346-3100.

Sincerely,

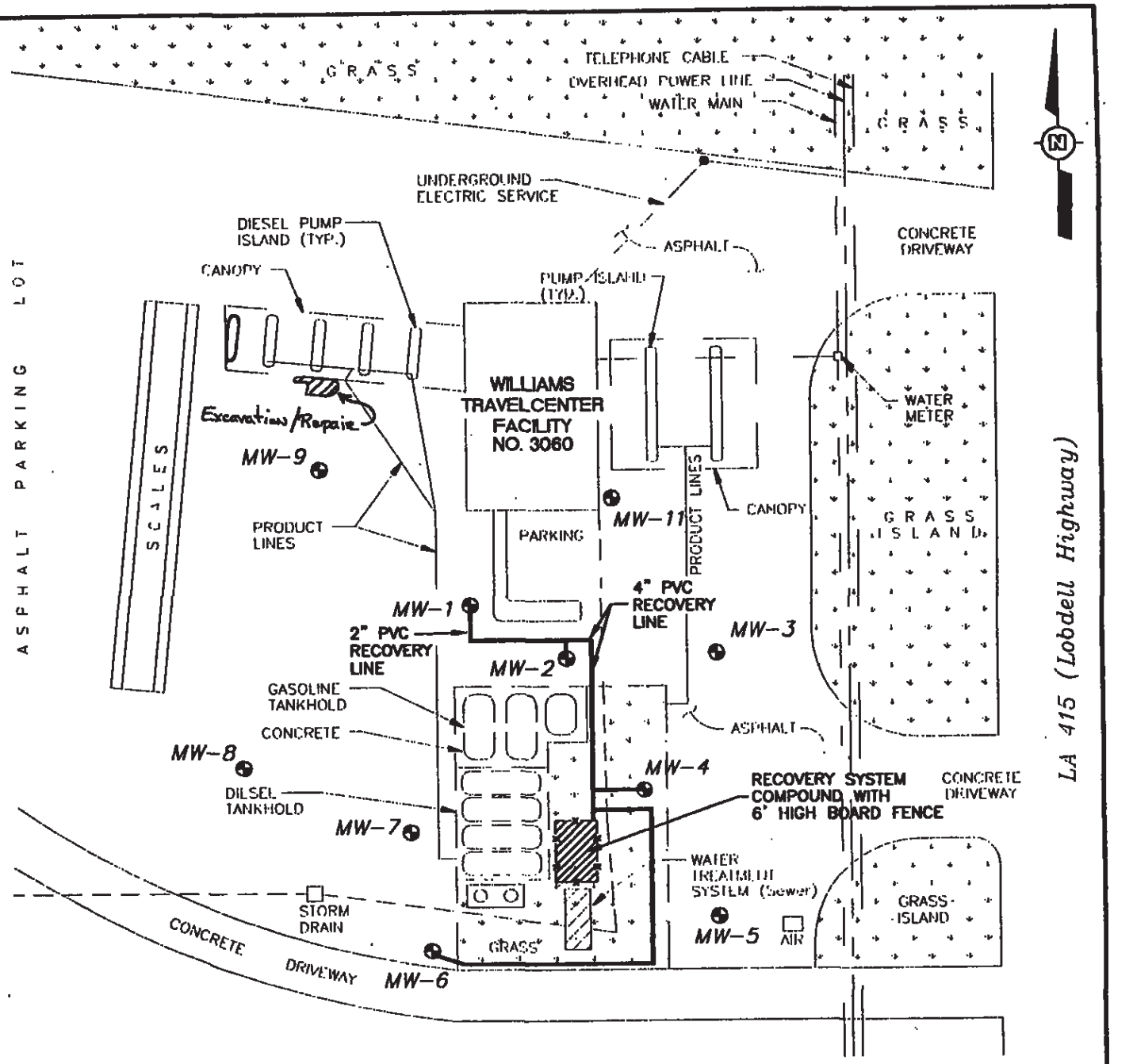
ENGINEERING ASSOCIATES, INC.

Stephen J. Burnham, P.E.
President

SJB:dbc

c w/encl Mr. Brian Parnell, Williams TravelCenters, Inc.
Ms. Laurie Peacock, Louisiana Department of Environmental Quality

D:\06-02\94100\casanovaportallen.0606



DRAWN BY	D.R.T.	CHECKED BY	
	9-29-00	APPROVED BY	

FILE NAME: 3060-STE

LEGEND

MONITOR WELL LOCATION

SCALE

0 60 120 FEET

WILLIAMS TRAVELCENTERS FACILITY NO. 3060
123 LOBDELL HIGHWAY AT I-10
PORT ALLEN, LOUISIANA

PREPARED FOR

WILLIAMS TRAVELCENTERS, INC.
NASHVILLE, TENNESSEE

ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

September 6, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED (7099 3400 0007 7060 7324)

Mr. Brian Parnell
Williams TravelCenters, Inc.
1101 Kermit Drive, Suite 800
Nashville, TN 37217

Re: Further Investigation, Diesel Fuel Line Leak
Williams TravelCenters, Inc., Facility No: 3060
123 Lobdell Highway @ I-10
Port Allen, LA, West Baton Rouge Parish
Agency Interest # 31055, UST Facility # 61-006212, Incident # 54738

Dear Mr. Parnell:

We have received the Line Trench Sample Analysis dated July 19, 2002 submitted on your behalf by Engineering Associates, Inc. This information confirmed a release from the UST system at the above-referenced facility. Thank you for the notification.

It is required that you conduct a remedial investigation at this facility. Within twenty days following receipt of this letter, please provide an abbreviated work plan and cost estimate to perform the investigation in accordance with the latest edition of the LDEQ's Risk Evaluation/Corrective Action Program (RECAP), Appendix B.

Following LDEQ approval of the investigation work plan/cost estimate, field activities should be completed. Following completion of the field investigation, please provide a proposal and cost estimate to complete a RECAP Appendix K risk evaluation. The proposal must include the input parameters identified during the field investigation. If contaminants have migrated under an enclosed structure, the proposal must also include a RECAP Management Option II evaluation for enclosed space. The risk evaluation may proceed following LDEQ approval of the RECAP work plan/cost estimate.

Within one hundred twenty days, you must submit a combined site investigation/risk evaluation report for this facility. If the information contained within the report does not meet the data and format requirements specified in RECAP, the report shall be deemed inadequate and will be returned for revision. If the facility is eligible for the Louisiana Motor Fuels Underground Storage Tank Trust Fund and you wish to ensure maximum potential eligibility under the fund, all site activities relevant to this incident must be conducted in accordance with the latest edition of the *Louisiana Motor Fuels Underground Storage Tank Cost*

Control Guidance Document. Following receipt and review of the investigation report, you will be contacted in writing regarding further requirements.

If you have any questions, please contact me at 225-765-2585. All correspondence must include the **AI number** and be submitted in triplicate to:

Keith L. Casanova, Administrator
LA Department of Environmental Quality
Remediation Services Division
P. O. Box 82178
Baton Rouge, LA 70884-2178

Thank you for your cooperation.

Sincerely,

Laurie K. Peacock

Laurie K. Peacock, Geologist
Environmental Technology Division, Geological Services Group 3

/lkp

c: LDEQ File Scanning Room 1400-UST
Trust Fund Section
Douglas Bradford, Geologist Supervisor, GSG-3
Mr. Steve Burnham
Engineering Associates, Inc.
1415 DelPlaza Drive, Suite B
Baton Rouge, LA 70815

OFFICE OF ENVIRONMENTAL ASSESSMENT
ENVIRONMENTAL TECHNOLOGY DIVISION

SECTION: 663 PROJECT: Wlms Trav. Ctr AI # 31055
ORIGINATOR: Peacock DATE: 5 Sept 02 Other # Inc. #

	Req'd.	Signature	Date	Comments
Immediate Supervisor	✓		9/5/02	
Section Mgr./Supvr.	✓		9/5/02	Corrections
Section Secretary	✓		9/9/02	
Executive Secretary				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

03/27/2002

OFFICE OF ENVIRONMENTAL ASSESSMENT
ENVIRONMENTAL TECHNOLOGY DIVISION

SECTION: 663 PROJECT: Wlms Trav. Ctr AI # 31055
ORIGINATOR: Peacock DATE: 5 Sept 02 Other # Inc. #

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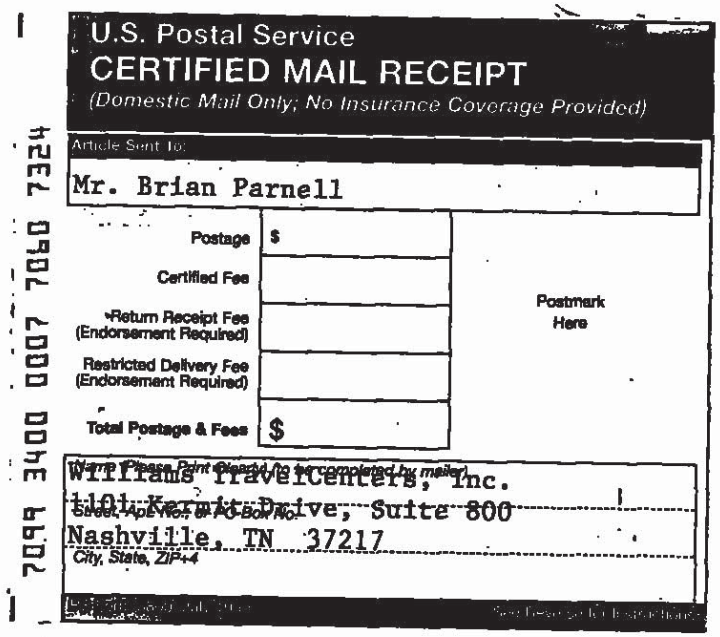
Section Mgr./Supvr.	✓		9/5/02	Corrections
Section Secretary	✓		9/9/02	
Executive Secretary				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

03/27/2002



U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:
Mr. Brian Parnell

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

(Name, Please Print Clearly) (To be completed by mailer)
Williams TravelCenters, Inc.
Street, Apt. No. or PO Box No.
1101 Kermit Drive, Suite 800
City, State, ZIP+4
Nashville, TN 37217

7099 3400 0007 7060 7324

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Brian Parnell
Williams TravelCenters, Inc.
1101 Kermit Drive, Suite 800
Nashville, TN 37217

AI#3060

A. Signature

X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number 7099 3400 0007 7060 7324
(Transfer from service label)

PS Form 3811, August 2001 Domestic Return Receipt 102595-01-M-2509

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Department of Environmental Quality
Office of Environmental Assessment
Environmental Technology Division
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

LA DEQ/OEA/ETD/GG3 wlw LKP UST

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

January 25, 2005

Mr. Don Davis
Williams Travel Centers, Inc.
One Williams Center
East Second Street
Tulsa, OK 74172

RE: July 2003 – September 2004 Annual Groundwater Monitoring Report
Former Williams Travel Center No. 3060, **Agency Interest # 31055**
UST Facility # 61-006212, Incident # 92-02-0174
123 Lobdell Highway, @ I-10
Port Allen, West Baton Rouge Parish

Dear Mr. Davis:

The Louisiana Department of Environmental Quality (LDEQ) has completed its review of the above referenced submittal dated October 15, 2004, made on your behalf by Engineering Associates, Inc. Because of the proximity of the recent release from the diesel dispenser to the original gasoline release and recovery, the LDEQ is delaying appoval of a plugging and abandonment plan and No Further Action letter until the Corrective Action Plan for the second release is approved. Following this approval, you may re-submit the completion evaluation for the original release, which may include plugging and abandonment of any wells not necessary for the remediation of the diesel release.

If you have any questions, please contact me at 225-219-3412 or by email: laurie.peacock @la.gov.

Sincerely,

Laurie K. Peacock

Laurie K. Peacock, Geologist
Environmental Technology Division, Geology Group 3

/lkp

c: File Scanning, Room 144 – UST File
Douglas Bradford, Geologist Supervisor, ETD-GG3
Mr. Chad A. D'Gerolamo
Engineering Associates, Inc.
1415 Del Plaza Drive
Baton Rouge, LA 70815

OFFICE OF ENVIRONMENTAL ASSESSMENT
ENVIRONMENTAL TECHNOLOGY DIVISION

SECTION: 663 PROJECT: Wlm travel AI # 31055
ORIGINATOR: Peacock DATE: 11/25/05 Other # Inc. 92-02-0174

	Req'd.	Signature	Date	Comments
Immediate Supervisor				
Section Mgr./Supvr.	X	[signature]	11/26/05	
Section Secretary	X	[signature]	RCD 11/27/05	
Executive Secretary				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

OFFICE OF ENVIRONMENTAL ASSESSMENT
ENVIRONMENTAL TECHNOLOGY DIVISION

SECTION: 663 PROJECT: Wlm travel AI # 31055
ORIGINATOR: Peacock DATE: 1/25/05 Other # DW. 92-02-D174

	Req'd.	Signature	Date	Comments
Immediate Supervisor				
Section Mgr./Supvr.	X		1/26/05	
Section Secretary	X	Wendy Wiegand	RW 1/27/05	
Executive Secretary				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

OCT - 2 2007

CERTIFIED – RETURN RECEIPT REQUESTED (7003 2260 0005 9326 4384)

Mr. Dan Reutlinger
The Williams Companies
One Williams Center
East Second Street
Tulsa, OK 74172

RE: No Further Action Notification
Former Williams Travel Center No. 3060
Agency Interest # 31055, UST Facility # 61-006212
123 Lobdell Highway, Port Allen, West Baton Rouge

Dear Mr. Reutlinger:

The Louisiana Department of Environmental Quality – Underground Storage Tanks Division (LDEQ-USTD) has completed its review of your Conveyance Notification report dated July 11, 2007, for the above referenced area of investigation located at 123 Lobdell Highway in West Baton Rouge Parish. Based on our review of this document and all previously submitted information, we have determined that no further action is necessary at this time. The Basis of Decision for this notification is attached.

No soils may be removed from this site without prior approval from LDEQ unless they are removed and disposed at a permitted disposal facility. Prior to the construction of enclosed structures over any portion of the impacted area, further evaluation and approval from LDEQ is warranted.

ENVIRONMENTAL **ASSESSMENT**
: PO BOX 4314, BATON ROUGE, LA 70821-4314
P:225-219-3236 F:225-219-3239
WWW.DEQ.LOUISIANA.GOV

If you have any questions or need further information, please call Chris Means at (225) 219-3430. Thank you for your cooperation in addressing this area.

Sincerely,

Steve Chustz, Administrator
Underground Storage Tanks Division

crm

Attachment

c: Terri Gibson, Remediation
Imaging Operations - UST
Melissa Vizinat, Motor Fuels Trust Fund
Shawn Funderburk, Engineering Associates, Inc.

BASIS OF DECISION FOR NO FURTHER ACTION

Former Williams Travel Center No. 3060
AI No. 31055

The Louisiana Department of Environmental Quality – Underground Storage Tanks Division—Remediation Process (LDEQ-USTD-RP) has determined that the Former Williams Travel Center No. 3060 requires No Further Action At This Time.

The property had been used as a convenience store and gasoline station. The property will continue to be used as a convenience store and gasoline station in the future, and will also include a casino building. Three different areas of concern (AOCs) exist at the site, including an area where a gasoline release occurred from the UST system, an area where a diesel release occurred from the diesel fuel dispensers, and an area where a gasoline release occurred from the gasoline fuel dispensers. Both gasoline releases were closed under UST Matrix Level 3 standards, while the diesel release was closed under RECAP.

A gasoline release from the UST system was discovered in 1992. Follow up site investigations confirmed TPH-G, benzene, toluene, ethyl benzene, and xylene (BTEX) in soil and BTEX in groundwater. The highest TPH-G concentration found in soil was 1700 ppm at boring B-4 in a July 1992 investigation.

A dual-phase groundwater remediation system operated at the facility from October 1995 to August 2003. During the period of October 2003 to September 2004, post-remediation monitoring and sampling activities were performed. Total dissolved BTEX concentrations remained below the LDEQ UST Matrix Level 3 standard in all site monitoring wells for four consecutive quarters subsequent to discontinuing operation of the remediation system:

1992 TPH-G Release (Groundwater)	Maximum Remaining Concentration	UST Matrix Level 3 Standard
Total BTEX	0.024 ppm	5 ppm

Boring B-4 was re-sampled in April of 2006 as boring CB-1 and found to be below Matrix Level 3 standards:

1992 TPH-G Release (Soil)	Maximum Remaining Concentration	UST Matrix Level 3 Standard
TPH-G	340 ppm	500 ppm
Total BTEX	188.8 ppm	200 ppm

In May of 2002, a diesel fuel release occurred from a line in the vicinity of the diesel dispenser island. Approximately two cubic yards of soil were initially removed from the area of the line. A site investigation in 2003 confirmed TPH-D and 2-methylnaphthalene in soil and TPH-D, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, naphthalene, pyrene, and 2-methylnaphthalene in groundwater above RECAP Screening Standards (SS).

Groundwater was classified as Groundwater 3 Drinking Water (GW_{3DW}). The fractional organic content (foc) of the impacted soils was determined to be 0.035 and the source length was determined to be 30 feet. Using figure I-1 in Appendix I, the site was evaluated as a Category 16. The distance between the Point of Compliance (POC) and the Mississippi River, which is the Point of Exposure (POE), is greater than 2,000 feet. Using Figure I-2 in Appendix I, a dilution factor (DF) of 3,380 was derived. The Category 16 Soil GW_{3DW} value for TPH-D and 2-methylnaphthalene were multiplied by this DF to account for attenuation from the POC to the POE. The Soil GW_{3DW} values for TPH-D and 2-

methylnaphthalene were compared to the $Soil_I$ values with the lowest value taken as the RECAP clean-up standard. The impacted media, COCs, maximum concentration remaining on site and limiting Appendix I RECAP standards established for this AOC are listed in the following table:

2002 TPH-D Release (Soil)	Maximum Remaining Concentration	Limiting App. I RECAP Standard
TPH-D*	6,100 ppm	9,500 ppm[1]
2-methylnaphthalene	170 ppm	3,050 ppm[1]

[1] $Soil_I$

The Category 16 GW_{3DW} values for all COCs were multiplied by a DF of 3,380 to account for attenuation from the POC to the POE. These GW_{3DW} values were compared to the $Water_{SOL}$ and GW_{AIR} values where appropriate with the lowest value taken as the RECAP clean-up standard. The impacted media, COCs, maximum concentration remaining on site and limiting Appendix I RECAP standards established for this site are listed in the following table:

2002 TPH-D Release (Groundwater)	Maximum Remaining Concentration	Limiting App. I RECAP Standard
TPH-D*	2.1 ppm	3,380 ppm[1]
Benzo(a)pyrene	0.0001 ppm	0.0016 ppm[2]
Benzo(b)fluoranthene	0.0001 ppm	0.0048 ppm[2]
Benzo(k)fluoranthene	0.000067 ppm	0.0025 ppm[2]
Chrysene	<0.00005 ppm	0.0016 ppm[2]
Naphthalene	0.00038 ppm	31 ppm[2]
Pyrene	0.00075 ppm	0.14 ppm[2]
2-methylnaphthalene	0.0013 ppm	25 ppm[2]

[1] GW_{3DW}; [2] $Water_{Sol}$

*The total concentration of petroleum hydrocarbons present in each impacted medium at an AOI shall be less than or equal to 10,000 ppm. The total petroleum hydrocarbon concentration shall be determined by summing the AOIC or compliance concentration for each aliphatic and aromatic hydrocarbon fraction detected in the medium of concern at the AOI or by summing the AOIC or compliance concentration for each hydrocarbon mixture detected in the medium of concern at the AOI.

In December of 2005, the USTs located at the site were removed. Confirmatory soil samples were collected in conjunction with UST removal activities, which identified TPH-G to be present in the vicinity of the dispenser islands exceeding LDEQ UST Matrix Level 3 standards. Additional investigation activities conducted in November of 2006 defined the extent of impact in soils. In April of 2007, approximately 270 tons of TPH-G contaminated soil were excavated and removed from the site. Confirmatory soil samples were collected and found to be below LDEQ UST Matrix Level 3 standards:

UST TPH-G Release (Soil)	Maximum Remaining Concentration	UST Matrix Level 3 Standard
TPH-G	59 ppm	500 ppm

Remedial actions included soil excavation along with groundwater remediation by use of a dual-phase remediation system. Soil and groundwater sampling has confirmed that constituents of concern concentrations do not exceed the established site-specific remediation standards. No Further Action At

This Time is granted when contamination is reduced to the extent necessary to achieve the established standards.

In accordance with LAC 33:I. Chapter 13, if land use is going to be changed from industrial to non-industrial, the responsible party shall notify the LDEQ within thirty (30) days and the Area of Investigation shall be reevaluated to determine if conditions are appropriate for the proposed land use. Future use may dictate additional remedial activities. A conveyance notice has been filed with the West Baton Rouge Parish Clerk of Court noting that the AOI was closed under industrial standards.

An inspection of the site was performed on September 28, 2007, confirming that no investigation derived waste remains on site and that all monitoring wells were plugged and abandoned. No soils may be moved from this location without written authorization from the LDEQ unless they are removed and disposed at a permitted disposal facility.

Additional information on the details of the investigation and evaluation of this site may be obtained from LDEQ's Public Records Center located in the Galvez Building, Room 127, 602 N. Fifth Street, Baton Rouge, LA 70802. Additional information regarding the Public Records may be obtained by calling (225) 219-3168 or by emailing publicrecords@la.gov.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: 31055 INSPECTION DATE: 9/28/07 TIME OF ARRIVAL: 1:07 PM

ALTERNATE ID#: _____ DEPARTURE DATE: 9/28/07 TIME OF DEPARTURE: 1:20 PM

FACILITY NAME: (ID Type/Number) Former Williams Travel Center No. 3060 PH #: _____

LOCATION: 123 Labbell Hwy., Port Allen

RECEIVING STREAM (BASIN/SUBSEGMENT): _____ PARISH NAME: WBR

MAILING ADDRESS: _____
(Street/P.O. Box) (City) (State) (ZIP)

FACILITY REPRESENTATIVE: _____ TITLE: _____

FACILITY REPRESENTATIVE PHONE NUMBER: _____

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above): _____

INSPECTION TYPE: NFA-ATT PROGRAM INVOLVED: AIR WASTE WATER OTHER UST

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

NFA-ATT inspection: All monitoring wells P+Aed properly. No investigation derived waste observed on-site

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
_____	_____	YES NO
_____	_____	YES NO

PHOTOS TAKEN: ☐ YES ☒ NO SAMPLES TAKEN: ☐ YES ☒ NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE: _____

PRINT NAME: _____

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): Chris Kramer CROSS REFERENCE: _____

ATTACHMENTS: _____

REVIEWER: _____

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any mat including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of stat regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisi *Environmental Quality Act.*

CONVEYANCE NOTIFICATION

Sarah Anne Munson Creed, Mary K. Munson McKee and Susan Pipes Munson hereby notifies the public that the following described Area of Investigation (AOI), Louisiana Department of Environmental Quality (LDEQ) Agency Interest Number (AI No. 31055), was closed with contaminant levels present that are acceptable for industrial/commercial use of the property as described in LDEQ's Risk Evaluation/Corrective Action Program (RECAP), Section 2.9. In accordance with LAC 33:I., Chapter 13, if land use changes from industrial to non-industrial, the responsible party shall notify the LDEQ within 30 days and the AOI shall be reevaluated to determine if conditions are appropriate for the proposed land use.

This site was closed in accordance with Subtitle II of Title 30 of the Louisiana Revised Statutes, Section 2195.2.A. (c)(i). Information regarding this site is available in the LDEQ public record and may be obtained by contacting the LDEQ Records Manager for LDEQ at (225) 219-3168. Inquiries regarding the contents of this site may be directed to

Mr. Richard Creed
8017 Jefferson Highway
Wolfe's Creek-Suite B-3
Baton Rouge, Louisiana 70809

FILED
2007 JUL 11 A 9:15
CB BK. 474 NO. 150
BK. ____ NO. ____
BK. ____ NO. ____
DY CLERK
EX-OFFICIO CLERK & REC

AOI Description:

The AOI is identified as being the Former Williams TravelCenter No. 3060 located at 123 Lobdell Highway @ I-10, Port Allen, Louisiana. A legal description of the AOI is as follows:

> Three (3) acres of a 5.605 acre parcel, joining Lobdell Interchange of Interstate 10, West Baton Rouge Parish, Louisiana, as shown on the attached Exhibit "A".

No constituent concentrations in soil at the Former Williams TravelCenter No. 3060 exceed the established remedial standards for an industrial site. However, several soil samples exceeded the established screening standards for a non-industrial site. A summary of soil analytical data, as well as the screening standards, have been provided on the attached Table 1 and Table 2. Soil sample locations have been shown on the attached Figure 1 and Figure 2.

Richard Creed
A Representative owner
Designated Signee

7/9/07
Date

(A true copy of the document certified by the parish clerk of court must be sent to the Remediation Services Division, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314.)

TABLE 1
SOIL CONSTITUENTS OF CONCERN SUMMARY
Former Williams TravelCenter No. 3060
123 Lobdell Highway at I-10
Port Allen, Louisiana

Boring Well No.	Sampling Date	Sample Interval	TPH-DRO mg/Kg	2-Methylnaphthalene mg/Kg
SB-1	02/19/03	4'-6'	1640	--
	02/19/03	6'-8'	1700	--
SB-2	02/19/03	0'-2'	500	--
	02/19/03	4'-6'	1500	--
SB-3	02/19/03	0'-2'	290	--
	02/19/03	4'-6'	1200	--
SB-4	02/20/03	4'-6'	470	--
SB-5	02/20/03	0'-2'	5200	--
	02/20/03	4'-6'	980	--
SB-6	02/20/03	0'-2'	920	--
SB-7	02/20/03	0'-2'	990	--
	02/20/03	4'-6'	1500	--
SB-8	02/20/03	0'-2'	450	--
	02/20/03	4'-6'	1160	--
MW-7	07/14/93	4'-6'	88	--
MW-9 (B-17)	08/31/93	14'-16.5'	1230	--
MW-12	10/30/03	4'-6'	1300	0.430
MW-14	10/31/03	2'-4'	96100	20
MW-15	10/30/03	4'-6'	2400	0.130
MW-16	10/31/03	2'-4'	1150	0.160
Duplicate of SB-4 (SB-34)	02/20/03	4'-6'	580	--
Duplicate of SB-8 (SB-38)	02/20/03	4'-6'	92	--
RECAP Table 1 Soil Screening Standards (Soil SS)			65	22

Denotes exceedance of RECAP Remedial Standards

-- Not analyzed for this parameter

< Denotes constituent concentration below the reported laboratory detection limit

TABLE 2

SOIL ANALYTICAL DATA RESULTS
FORMER WILLIAMS TRAVEL CENTER NO. 3060
PORT ALLEN, LA

Boring No.	Sampling Date	Sample Interval	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	TPH-G (mg/kg)	TPH-D (mg/kg)
B-4	07/02/92	3'-5'	4.8	54.0	20.0	1100	17000	NA
MW-1	07/15/93	6'-8'	4.7	7.4	6.5	27.0	340	ND
CB-1	04/18/06	3'-5'	NA	NA	NA	NA	7.7	NA
RECAP Table 1 Soil Screening Standards (Soil SS)			1.5	68	1.60	19	65	65

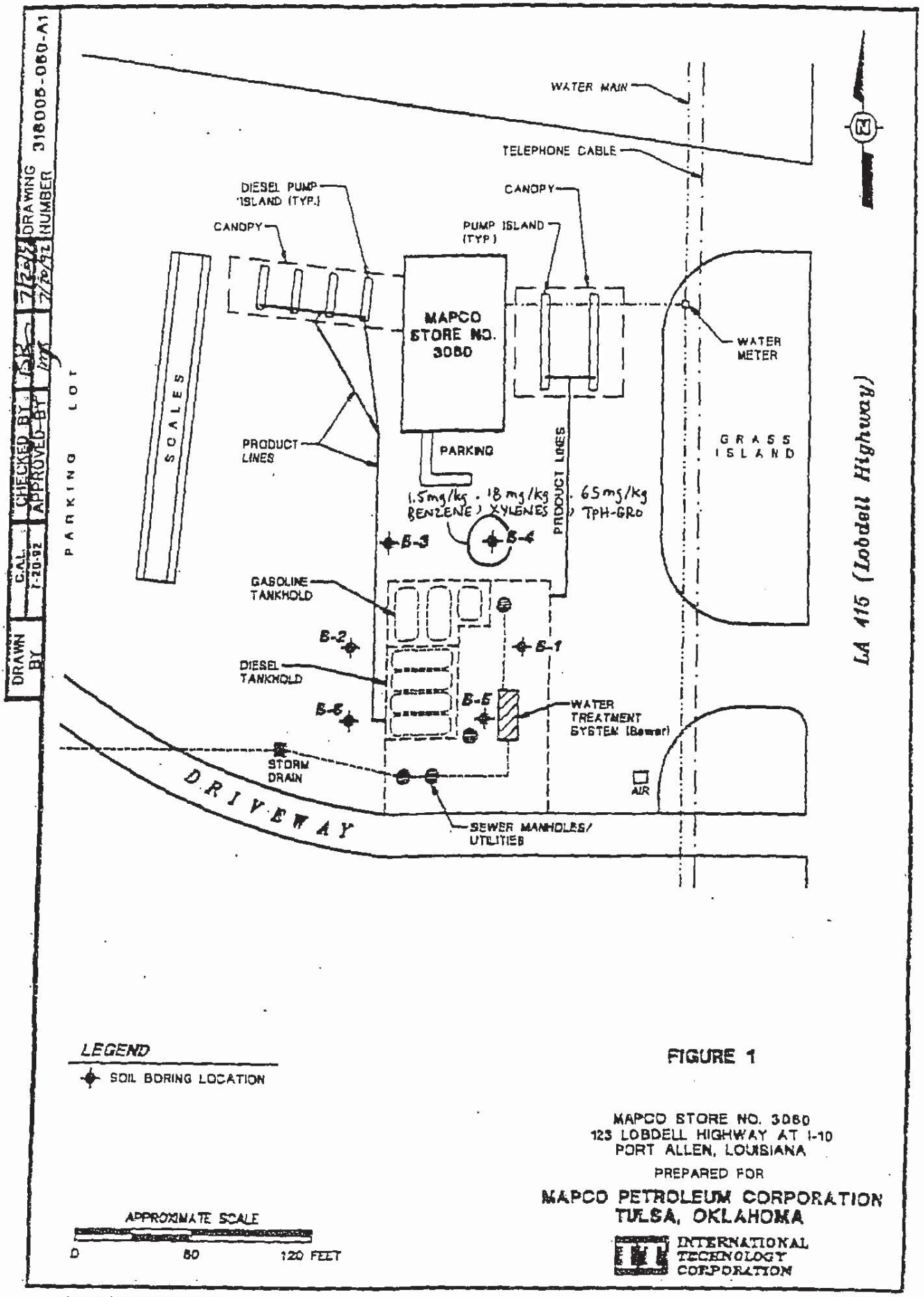
Notes:

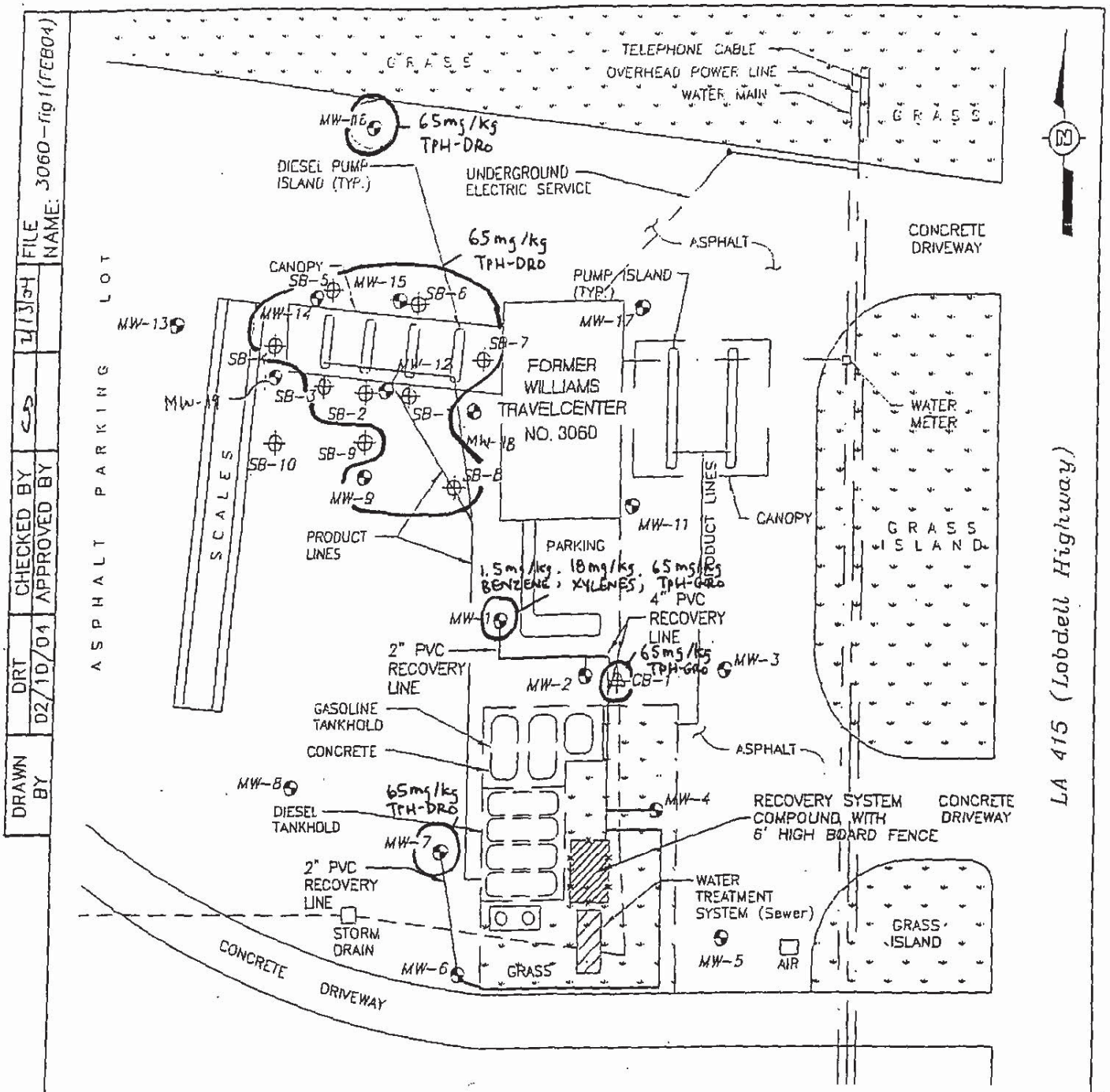
ND - Not Detected

NA - Not Applicable

Denotes exceedance of the RECAP Table 1 Screening Standards for a non-industrial site

* Boring CB-1 served to replace boring B-4 for TPH-GRO


DRAWING NUMBER 318005-060-A1
DRAWN BY
CAL 1-20-92
CHECKED BY
APPROVED BY
WATER MAIN
TELEPHONE CABLE
DIESEL PUMP ISLAND (TYP.)
CANOPY
CANOPY
PUMP ISLAND (TYP.)
MAPCO STORE NO. 3060
WATER METER
SCALES
PARKING LOT
PRODUCT LINES
PARKING
PRODUCT LINES
GRASS ISLAND
1.5mg/kg BENZENE
18 mg/kg XYLENES
65mg/kg TPH-GRO
B-3
B-4
GASOLINE TANKHOLD
B-2
B-1
DIESEL TANKHOLD
B-5
B-6
WATER TREATMENT SYSTEM (Sewer)
STORM DRAIN
AIR
DRIVEWAY
SEWER MANHOLES/ UTILITIES
LA 415 (Lobdell Highway)
LEGEND
SOIL BORING LOCATION
FIGURE 1
MAPCO STORE NO. 3060
123 LOBDELL HIGHWAY AT I-10
PORT ALLEN, LOUISIANA
PREPARED FOR
MAPCO PETROLEUM CORPORATION
TULSA, OKLAHOMA
APPROXIMATE SCALE
0
60
120 FEET
INTERNATIONAL TECHNOLOGY CORPORATION
"Do Not Scale This Drawing"



LEGEND

- MONITOR WELL LOCATION
- SOIL BORING/TEMPORARY MONITORING WELL LOCATION

SCALE

0 60 120 FEET

FIGURE 2

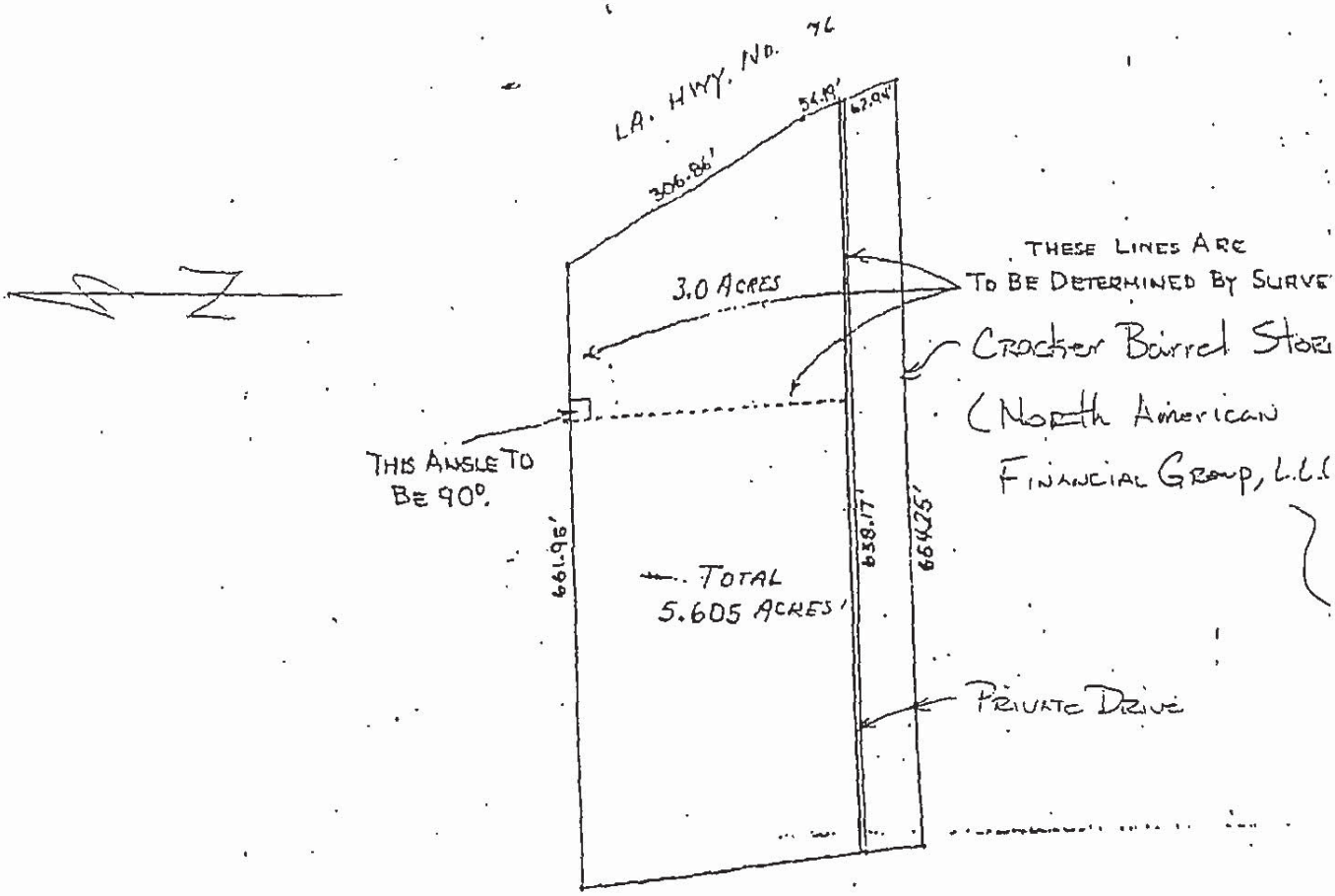
SITE PLAN

FORMER WILLIAMS TRAVELCENTER
NO. 3060
123 LOBDELL HIGHWAY AT I-10
PORT ALLEN, LOUISIANA
LDEQ A.I. NO. 72689
PREPARED FOR
THE WILLIAMS COMPANIES
TULSA, OKLAHOMA

ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

F:\DATA\3060\fig1(FEB04).dwg (Model) Feb 10, 2004 - 3:51pm

NOTE: The North boundary of my strip will be moved two (2) feet NORTH, and this two (2) feet will not be included in the DELTA LEASE with the children; however, DELTA will have the use of it under the agreement with me. Reasons for this were discussed previously with DELTA.



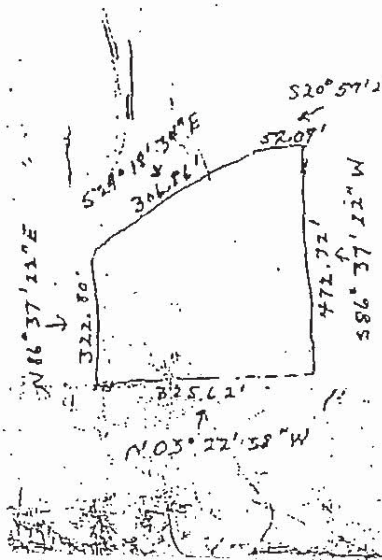


EXHIBIT "A"

7003 2260 0005 9326 4384

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(Domestic Mail Only; No Insurance Coverage Provided)

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To
Mr. Dan Reutlinger
The Williams Companies

Street, Apt. No.; or PO Box No.
One Williams Center

City, State, ZIP+4
East Second Street
Tulsa, OK 74172

PS Form 3800, Ju... See Reverse for Instructions

Mn. Fk

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # 17-013437
INSPECTION DATE October 7, 1998

INCIDENT LOG # 98-2-0101
TIME OF ARRIVAL@3:00pm DEPARTURE@4:15

1. Facility: Marabella's 66 (Lill's Car Care)
2. Street 3155 Perkins Rd.
3. City Baton Rouge
4. Zip 70808
5. Parish EBR
6. Telephone#(225) 383-4445

7. Owner Frank Marabella
8. Street 9921 Bunting Dr.
9. City Baton Rouge 70809
10. Owner Phone#(225) 387-4836

TYPE OF INVESTIGATION

11. X INITIAL *12. FOLLOW-UP*

13. X RELEASE
    a. *Spill/Overfill* *Leaking UST*
    (1) X Petroleum *Hazardous*
14. CLOSURE
15. RELEASE DETECTION
16. INSTALLATION
17. COMPLAINT
18. EMERGENCY RESPONSE
19. OTHER

VIOLATION(S) NOTED

SECTION(S) *DESCRIPTION*

COMMENTS

PICTURES Yes No X An inspection of the above-referenced facility was conducted in response to the discovery of gasoline in two tankhold observation wells. Approximately one inch of gasoline was located on the water table, which was about five below ground surface in the northwest and southwest wells. Two 6,000-gallon gasoline and one 4,000-gallon diesel USTs were within the tank bed. The tank bed was located in the northwest corner of the referenced facility's property. The USTs shall be removed and if possible, the soils that are contaminated with petroleum hydrocarbons will be excavated and aerated on-site.

Person(s) Interviewed
Cary Lill

Title
Operator

Inspector(s)
Michael Picou

Report By: Michael Picou
(Signature)

UST CLOSURE REPORT

Prepared for

RAUL M. BUSQUET

LOUISIANA DEQ-MAIN OFFICE
Underground Storage Tank Division
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

Submitted By

COOK-SMITH, INC.

Post Office Box 80206
Baton Rouge, Louisiana 70898-0206
Phone (504) 769-9060

January 25, 1999

Cook-Smith, Inc.
Environmental Services

January 25, 1999

RECEIVED
FEB 0 8 1999
Dept. of Environmental Quality
Office of Waste Services

Mr. Raul M. Busquet, Enforcement Program Manager
Louisiana Department of Environmental Quality
Main Office UST Division
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

Re: UST Closure Report
Lill's Care Care
3155 Perkins Road
Baton Rouge, East BatonRouge Parish, Louisiana
Facility ID No. 17-013437
Owner ID No. 135800 624300

Dear Mr. Busquet:

Presented herein on behalf of Frank Marabella please find enclosed two copies of the UST Closure Report for the above referenced address.

The work performed included the removal of four USTs at Lill's Car Care. Please review the report and advise us if any further action is required. Should you have any questions, please contact me at (225) 769-9060.

Respectfully Submitted,
Cook-Smith, Inc.

Ronnie Cook
General Manager

RLC/bep

cc: Mr. Frank Marabella
Mr. Fred T. Crifasi
Mr. Gordon Polozola
Mr. Cary Lill

Post Office Box 80206
Baton Rouge, Louisiana 70898-0206
(225)-769-9060

5253 Dijon Dr Suite C
Baton Rouge, Louisiana 70810
Fax (225) 769-9061

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # 17-013437
INSPECTION DATE March 17, 1999

INCIDENT LOG #
TIME OF ARRIVAL@10:30amDEPARTURE@12:00

1. Facility: Marabella's 66 (Lill's Car Care)
2. Street 3155 Perkins Rd.
3. City Baton Rouge
4. Zip 70808
5. Parish EBR
6. Telephone#225/383-4445

7. Owner Frank Marabella
8. Street 9921 Bunting Dr.
9. City Baton Rouge
10. Owner Phone#225/387-4836

TYPE OF INVESTIGATION

11.___ *INITIAL* 12._X_*FOLLOW-UP*

13.___RELEASE
a.___*Spill/Overfill* ___*Leaking UST*
*(1)*___*Petroleum* ___*Hazardous*
14.___CLOSURE
15.___RELEASE DETECTION
16.___INSTALLATION
17.___COMPLAINT
18.___EMERGENCY RESPONSE
19._X_OTHER
Geoprobed sampling

VIOLATION(S) NOTED

SECTION(S) *DESCRIPTION*

COMMENTS

PICTURES Yes___ No___ An inspection of the above-referenced facility was conducted to witness geoprobed sampling by Ellis Environmental. The samples where taken because of a property transfer.

Person(s) Interviewed
Chuck Ellis

Title
Consultant

Inspector(s)
Michael Picou

Report By: Michael Picou
(Signature)

Cook-Smith, Inc.
Environmental Services

January 25, 1999

Mr. Raul M. Busquet, Enforcement Program Manager
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Main Office UST Division
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

Re: Underground Storage Tank(s) Closure located at Marabella's 66 (Lill's Car Care) at 3155 Perkins Road, Baton Rouge, Louisiana, 70808, East Baton Rouge Parish
DEQ Facility Number 17-013437
DEQ Owner ID Number 135800 624300

17-013437

Dear Mr. Busquet:

Presented herein on behalf of Marabella's 66 (Lill's Car Care) please find enclosed the laboratory results and the required Louisiana UST Closure/Assessment Form. including the chain of custody, for the UST system closure of two (2) each 6,000 gallon gasoline steel underground storage tanks, one each (1) 4,000 gallon gasoline steel underground storage tank and one each (1) 500 gallon used oil steel underground storage tank located at the above referenced address. Also enclosed you will find a site diagram indicating location(s) where sample(s) were collected, a copy of the Registration for Underground Storage Tanks Form. and a copy of the Notification of UST Closure or Change-In-Service Form.

The four (4) USTs were removed on December 7, 1998. The two (2) each 6,000 gallon gasoline steel USTs were (8) feet in diameter and (16) feet in length. The one (1) each 4,000 gallon gasoline steel UST was (7) feet in diameter and (14) feet in length. The one (1) each 500 gallon used oil steel UST was (4) feet in diameter and (6) feet in length. Two (2) soil samples were collected beneath each UST over seven (7) feet in length, one at each end of the tank's elongated portion approximately two (2) feet beneath the tank pad fill material. One (1) soil sample was collected beneath the UST under seven (7) feet in length, at a point near the center of the elongated portion and approximately two (2) feet beneath the tank pad fill material. A total of seven (7) soil samples were collected under the USTs. The depth for the six (6) soil samples collected under the two (2) each 6,000 gallon gasoline steel tanks and the one (1) each 4,000 gallon gasoline steel tanks were measured to be about (168) inches below the surface. The depth for the one (1) soil sample collected under the 500 gallon used oil steel tank was measured to be about (108) inches below the surface. Groundwater was not encountered during the closure. Since the backfill soils for the gasoline and diesel USTs were intended to be placed back in the tankhold area, we performed backfill sampling on the stockpile of excavated materials. A minimum of three soil samples from each stockpile is required to be collected for this situation. The three (3) each soil samples for each stockpile were composited into a single sample for each stockpile, thus nine (9) grab samples were collected but three (3) composite samples were sent to the lab. These samples were collected as soon as possible but no later than four hours after excavation was completed.

Post Office Box 80206
Baton Rouge, Louisiana 70898-0206
(225) 769-9060

5253 Dijon Dr Suite C
Baton Rouge, Louisiana 70810
Fax (225) 769-9061

The samples were collected at a point at least six inches into the stockpiles. Likewise, soil samples were required to be taken below each of the two (2) dispenser islands. These soil samples were required to be collected (48) to (72) inches below the ground surface. The number of samples required is one (1) sample near the center of each dispenser island. The samples are required to be analyzed for the product last stored in the UST(s) in the greatest quantity. However, if evidence of a leak from a previously stored product is suspected, the sample should be analyzed for that substance also.

The laboratory results indicate that the backfill soils were contaminated with high levels of Benzene, Toulene, Ethylbenzene, Xylene (BTEX) and TPH-Gasoline (TPH-G). The laboratory results indicate that backfill soil sample No. 3 exhibited BTEX concentrations of 5,240 ppm and TPH-G concentrations of 35,000 ppm. The laboratory results indicated that backfill soil sample No. 6 exhibited BTEX concentrations of 7,710 ppm and TPH-G concentrations of 68,000 ppm. The laboratory results indicated that backfill soil sample No. 9 exhibited BTEX concentrations of 340.7 ppm and TPH-G concentrations of 2,400 ppm. The laboratory results were provided to Mr. Mike Pecou at the LDEQ's Capital Regional Office in Baton Rouge, Louisiana. The samples taken from this property are labeled #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and are shown on the site drawing dated 12/07/98. See Figure 1 for the location of each sample.

Since gasoline was the product last stored in each of the two (2) 6,000 gallon steel USTs and the one (1) each 4,000 gallon steel UST, the soil samples were accordingly analyzed for Benzene, Toluene, Ethylbenzene, Xylene (BTEX) and Total Petroleum Hydrocarbons-Gasoline (TPH-G). The 500 gallon used oil steel UST was analyzed for Oil and Grease (O & G). The analyses were performed in accordance with EPA guidelines for analysis and quality control. The following is the evaluation of laboratory data:

Sample #1 West End of the Northernmost 6,000 Gallon Gasoline UST

Soil sample number 1 (#1) was collected from beneath the UST cavity at approximately (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 3.196 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G sample exhibited concentrations of 38 ppm.

Sample #2 East End of the Northernmost 6,000 Gallon Gasoline UST

Soil sample number 2 (#2) was collected from beneath the UST cavity at about (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 0.61 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 7.5 ppm.

Sample #3 Excavated Soils to be Returned to Tankhold

Soil sample number 3 (#3) was collected from the excavated stockpile at a depth of six (6) inches. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 5,240 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 35,000 ppm.

Sample #4 West End of the Second Northernmost 6,000 Gallon Gasoline UST

Soil sample number 4 (#4) was collected from beneath the UST cavity at about (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 1.323 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 18 ppm.

Sample #5 East End of the Second Northernmost 6,000 Gallon Gasoline UST

Soil sample number 5 (#5) was collected from beneath the UST cavity at about (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 0.2083 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 4.3 ppm.

Sample #6 Excavated Soils to be Returned to Tankhold

Soil sample number 6 (#6) was collected from the excavated stockpile at a depth of six (6) inches. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 7,710 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 68,000 ppm.

Sample #7 West End of the 4,000 Gallon Gasoline UST

Soil sample number 7 (#7) was collected from beneath the UST cavity at about (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 0.265 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 2.8 ppm.

Sample #8 East End of the 4,000 Gallon Gasoline UST

Soil sample number 8 (#8) was collected from beneath the UST cavity at about (168) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed

and detected at levels above detection limits. The BTEX sample exhibited concentrations of 0.153 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 1.1 ppm.

Sample #9 Excavated Soils to be Returned to Tankhold

Soil sample number 9 (#9) was collected from the excavated stockpile at a depth of six (6) inches. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 340.7 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G exhibited concentrations of 2,400 ppm.

Sample #10 500 Gallon Waste Oil UST

Soil sample number 10 (#10) was collected from beneath the UST cavity at about (108) inches below the ground surface. Oil and Grease (O & G) were analyzed and detected at levels below detection limits. The O & G sample exhibited concentrations which were not detected.

Sample #11 Southernmost Dispenser Island for Gasoline UST(s)

Soil sample number 11 (#11) was collected from beneath the dispenser island at about (60) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 22.86 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G sample exhibited concentrations of 160 ppm.

Sample #12 Northernmost Dispenser Island for Gasoline UST(s)

Soil sample number 12 (#12) was collected from beneath the dispenser island at about (72) inches below the ground surface. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were analyzed and detected at levels above detection limits. The BTEX sample exhibited concentrations of 33.9 ppm. Of the total petroleum hydrocarbons analyzed, the total petroleum hydrocarbons were detected at levels above detection limits. The TPH-G sample exhibited concentrations of 210 ppm.

The laboratory analytical results from the soil samples collected during the UST closure indicated that the backfill soils in the UST tankhold area are contaminated with high concentration levels of petroleum hydrocarbons. Cook-Smith, Inc. forwarded the analytical results to Mike Picou of the LDEQ, UST Division, in Baton Rouge. Mr. Picou requested that the contaminated soils be remediated. He held a meeting on January 20, 1999 with the property owners and Cook-Smith, Inc. to discuss the future actions required by the LDEQ at this facility. Mr. Picou suggested remediation by aeration on-site, or by excavation, hauling and disposal of the contaminated materials to a permitted off-site facility. After our telephone conference with LDEQ officials, we were informed to turn in our closure package to you for your review. Please review the analytical data and advise us if any further action is required. Should you have any questions, please contact me at (225) 769-9060.

Respectfully Submitted,
Cook-Smith, Inc.

Ronnie Cook
General Manager

RLC/dsm

cc: Mr. Frank Marabella
Mr. Fred T. Crifasi
Mr. Gordon Polozola
Mr. Cary Lill

FIGURES

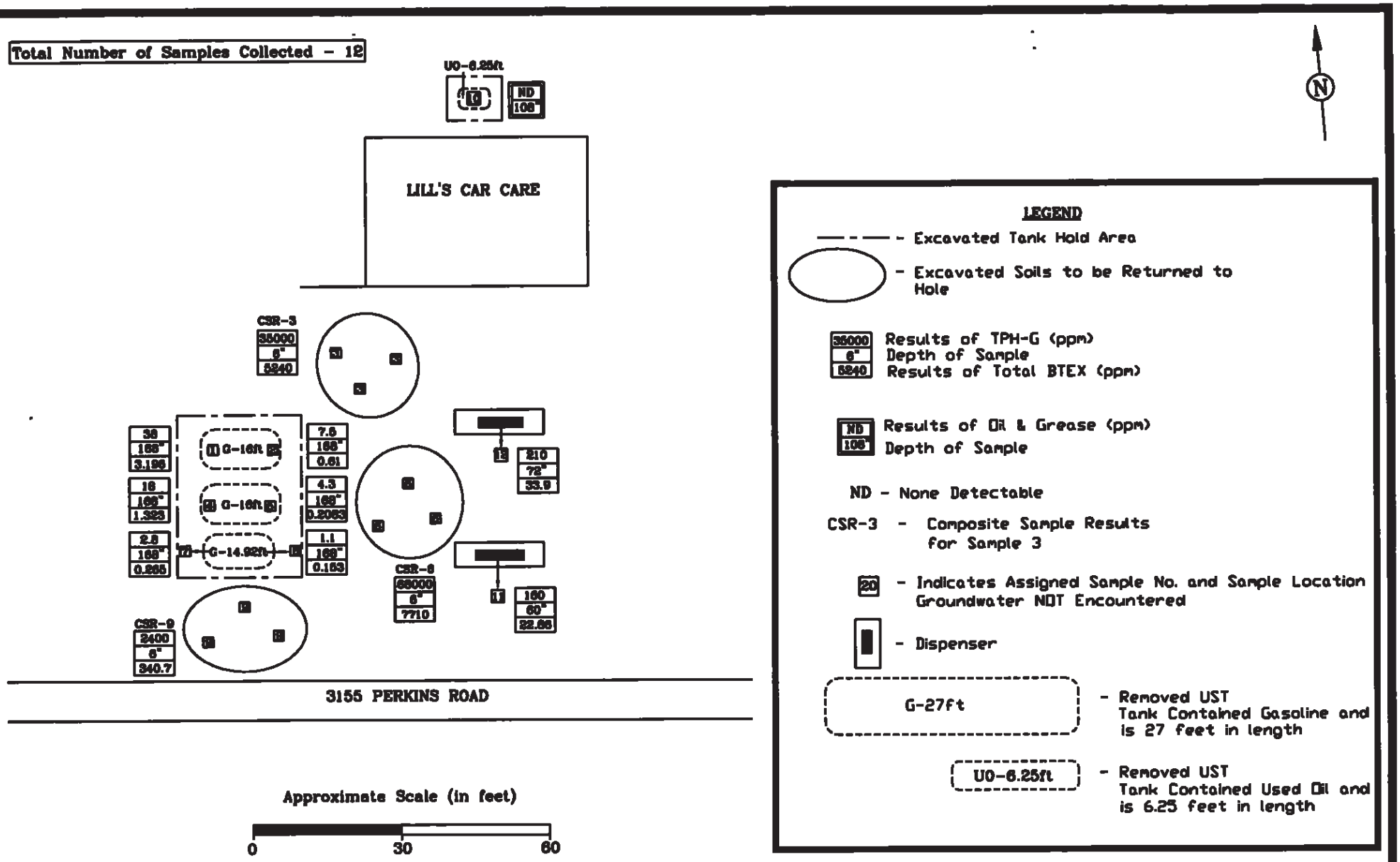

FIGURE 1 – SAMPLE LOCATION DIAGRAM OF MARABELLA'S 66 PROPERTY (LILL'S CAR CARE) LOCATED AT 3155 PERKINS ROAD, BATON ROUGE, LOUISIANA
DEQ FACILITY ID # 17-013437
DEQ OWNER ID # 135800 624300

"MARABELLA'S 66" PROPERTY		
3155 PERKINS ROAD		
BATON ROUGE, LOUISIANA		
Drawn by: DSM	Approved by: RLC	Project #: 9812.07
COOK-SMITH, INC.	DECEMBER 7, 1998	

LDEO FORMS

STATE OF LOUISIANA
REGISTRATION FOR UNDERGROUND STORAGE TANKS

RETURN COMPLETED FORM TO: DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID AND HAZARDOUS WASTE
UNDERGROUND STORAGE TANK DIVISION
P.O. BOX 82178
BATON ROUGE, LA. 70884-2178

RECEIVED
AUG 03 1993
UNDERGROUND STORAGE TANK DIVISION

AMENDED REGISTRATION

Use this form ONLY when submitting corrections/changes to previously submitted registration. ONLY amended information is required to be included. A copy of the original registration form should be submitted along with this form.

Check all that apply:

☐ Changes are to Facility ID# 17-013437
- ___ Replacement Tank(s) Previous Tank #'s ___, ___, ___
- ___ Additional Tank(s)
- ___ Changes to current tank(s) Tank #'s ___, ___, ___, ___
- ___ Change in ownership
- ___ Other changes ___

☐ Closure Facility ID# 17-013437

Owner comments: ___

STATE USE ONLY
Date entered: 8-9-93
Data entry clerk: JC
FED. TAX ID# 72-0999270
Owner ID# 135700 62430
Acquisition date of UST facility ___

INSTRUCTIONS

Please type or print in ink all items except "signature" in Sections VIII and XII. This form must be completed for each location containing underground storage tanks. If more than 4 tanks are owned at this location, photocopy pages 3-5, and staple to this form. Indicate number of continuation sheets attached ☐

I. OWNERSHIP OF TANK(S)

Owner Name: (Corporation, Individual, Public Agency, or Other Entity) MARRELL'S LLC

Street Address: 3155 PERKINS RD

City BATON ROUGE State LA Zip Code 70808

Parish EBR

Phone Number (include Area Code)

II. LOCATION OF TANKS

If same as Section 1, mark box here. ☒

Facility Name or Company Site Identifier, as applicable

Street Address (P.O. Box not acceptable)

City State Zip Code

Parish

NOTICE: A current copy of the registration form must be kept on-site or at the nearest staffed facility.

III. TYPE OF OWNER

- ☐ Federal Government
- ☐ State Government
- ☐ Local Government
- ☐ Commercial
- ☐ Private

IV. INDIAN LANDS

Tanks are located on land within an Indian Reservation or on other trust lands. ☐

Tanks are owned by native American nation, tribe, or individual. ☐

Tribe or Nation: _____

V. TYPE OF FACILITY

Select the Appropriate Facility Description

✓ Gas Station	____ Railroad	____ Trucking/Transport
____ Petroleum Distributor	____ Federal-Non-Military	____ Utilities
____ Air Taxi (Airline)	____ Federal-Military	____ Residential
____ Aircraft Owner	____ Industrial	____ Farm
____ Auto Dealership	____ Contractor	____ Other (Explain)

VI. CONTACT PERSON IN CHARGE OF TANKS

FRANK MARABELLA OWNER — 504-383-2122
NAME AND TITLE — PHONE NUMBER (include Area Code)

3155 PERKINS RD — BATON ROUGE — LA — 70808
ADDRESS — CITY — STATE — ZIP

VII. FINANCIAL RESPONSIBILITY

I have met the financial responsibility requirements in accordance with Chapter 11 of the Underground Storage Tank Rules and Regulations. ☐

Check all that apply

- ☐ Self Insurance
- ☒ Commercial Insurance
- ☐ Risk Retention Group
- ☐ Guarantee
- ☐ Surety Bond
- ☐ Letter of Credit
- ☐ LA. Motor Fuel Trust Fund
- ☐ Trust Fund
- ☐ Other Method Allowed (Specify)

VIII. CERTIFICATION

OATH

OWNER: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Eric D Marabella Owner — 07-18-98
Signature of Owner or Authorized Representative — Date

FRANK MARABELLA Owner
Name and Official Title of Owner's Authorized Representative (Print or Type)

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)				
Tank Identification Number	Tank No. 38854	Tank No. 38855	Tank No. 38856	Tank No. 38857
1. Status of Tank (mark only one)				
Currently in Use	X	X	X	X
Temporarily Out of Use				
Permanently Out of Use				
Is this a compartment tank?	Yes___No___	Yes___No___	Yes___No___	Yes___No___
If so, how many compartments?				
Is Tank or Piping leaking?	Yes___No___	Yes___No___	Yes___No___	Yes___No___
2. Date of Installation(mo/year)				
3. Estimated Total Capacity (gallons)	6000	6000	4000	500
4. Is there an Active or Abandoned Water Well within 50 ft.?	Yes___No___ ✓	Yes___No___ ✓	Yes___No___ ✓	Yes___No___ ✓
If yes, specify number of Active Wells				
Number of Abandoned Wells				
5. Material of Construction (Mark all that apply)				
Asphalt Coated or Bare Steel				
Cathodically Protected Steel	X	X	X	X
Epoxy Coated Steel				
Composite (Steel with Fiberglass)				
Fiberglass Reinforced Plastic				
Lined Interior				
Double Walled				
Polyethylene Tank Jacket				
Concrete				
Excavation Liner				
Unknown				
Other, Please specify				
Has tank been repaired?				
6. Piping (Material) (Mark all that apply)				
Bare Steel				
Galvanized Steel	X	X	X	X
Fiberglass Reinforced Plastic				
Copper				
Cathodically Protected				
Double Walled				
Secondary Containment				
Unknown				
Other, Please specify				

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification Number	Tank No.	Tank No.	Tank No.	Tank No.
7. Piping (Type) (Check all that apply) — Suction: no valve at tank				
Suction: valve at tank	X	X	X	X
Pressure				
Gravity Feed				
Has piping been repaired?				
8. Substance Currently or Last Stored in Greatest Quantity by Volume — Gasoline	X	X	X	
Diesel				
Gasohol				
Kerosene				
Heating Oil				
New and Used Oil (This includes waste, lube, cutting, motor, inhibited, recycle, engine, etc. oils)				X
Other. Please specify				
Hazardous Substance				
CERCLA name and/or,				
CAS number				
Mixture of Substances				
Please specify				

X. TANKS OUT OF USE, OR CHANGE IN SERVICE

1. Closing of Tank *(Effective January 20, 1992 no UST may be installed/upgraded, repaired, or closed unless a LDEQ certified individual is present and supervising the critical junctures.)*				
A. Estimated date last used (mo/day/year)				
B. Estimate date tank closed (mo/day/year)				
C. Tank was removed from ground				
D. Tank was closed in ground				
E. Tank filled with inert material				
Describe				
F. Change in service				
2. Has site assessment as part of closure or change-in-service been completed?	Yes___No___	Yes___No___	Yes___No___	Yes___No___
Was there evidence of a leak detected?	Yes___No___	Yes___No___	Yes___No___	Yes___No___

XI. INSTALLATION AND RELEASE DETECTION (Complete this section for all tanks installed and/or upgraded on or after Dec. 22, 1988.)

Tank Identification Number	Tank No.		Tank No.		Tank No.		Tank No.	
1. Installation and Upgrade *(Effective January 30, 1992, no UST may be installed/upgraded, repaired, or closed unless a LDEQ certified individual is present and supervising the critical junctures.)* (Mark all that apply)								
A. Installer certified by the LDEQ	☐		☐		☐		☐	
B. Installer certified by tank and piping manufacturers	☐		☐		☐		☐	
C. Installation inspected by a registered engineer.	☐		☐		☐		☐	
D. Manufacturer's installation checklists have been completed	☐		☐		☐		☐	
2. Release Detection (Mark all that apply) Installation of methods marked by a * must be supervised by a LDEQ certified installer.	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A. Manual tank gauging	✓		✓		✓		✓	
B. Tank tightness testing	☐		☐		☐		☐	
C. Inventory controls	✓		✓		✓		✓	
D. Line tightness testing		☐		☐		☐		☐
*E. Automatic tank gauging	☐		☐		☐		☐	
*F. Groundwater monitoring	☐	☐	☐	☐	☐	☐	☐	☐
*G. Interstitial monitoring doubled walled tank/piping	☐	☐	☐	☐	☐	☐	☐	☐
*H. Interstitial monitoring/secondary containment	☐	☐	☐	☐	☐	☐	☐	☐
*I. Automatic line leak detectors		☐		☐		☐		☐
*J. Vapor monitoring	☐	☐	☐	☐	☐	☐	☐	☐
*K. Other method allowed by implementing agency. Please specify.								
3. Spill and Overfill Protection								
A. Overfill device installed	☐		☐		☐		☐	
B. Spill device installed	☐		☐		☐		☐	

XII. CERTIFICATION OF COMPLIANCE (Complete this section if this/these UST system(s) was installed or upgraded on or after Dec. 22, 1988.)

OATH

UST WORKER: I certify that the methods used to install or upgrade this/these UST system(s) complies with a code of practice developed by a nationally recognized association or independent testing laboratory and in accordance with the manufacturer's instructions and the LDEQ Regulations.

Name of Installer _____ Signature _____ Date _____

LDEQ issued Certificate Number (if applicable) _____ Company _____

STATE OF LOUISIANA

NOTIFICATION OF INTENT TO PERFORM A CLOSURE OR CHANGE-IN-SERVICE TO A UNDERGROUND STORAGE TANK SYSTEM

Please complete and return thirty (30) days prior to permanent UST system closure or change-in-service

Return: LDEQ - UST DIVISION, P. O. Box 82178, Baton Rouge, LA 70884-2178 Questions: (504) 765-0243

DEQ Facility Number: 17-013437

DEQ Owner ID Number: 135200 624300

I. OWNERSHIP OF TANKS

IF OWNER'S ADDRESS CHANGED, PLEASE CHECK ☐

MARABELLA'S 66
OWNER NAME (CORPORATION/INDIVIDUAL, ETC.)

3155 PERKINS ROAD
MAILING ADDRESS

BATON ROUGE, LA. 70808
CITY STATE ZIP

EAST BATON ROUGE
PARISH/COUNTY

(504 383-2112
TELEPHONE (INCLUDE AREA CODE)

CARY LILL
NAME OF CONTACT

II. LOCATION OF TANKS

IF SAME AS SECTION I, PLEASE CHECK ☑

FACILITY NAME OR COMPANY SITE IDENTIFIER

STREET ADDRESS (P. O. BOX NOT ACCEPTABLE)

CITY STATE ZIP

PARISH

( )
TELEPHONE (INCLUDE AREA CODE)

CONTACT PERSON AT THIS LOCATION

III. TANK INFORMATION

DATE SCHEDULED FOR CLOSURE/REMOVAL OR CHANGE-IN-SERVICE / /

DEQ ASSIGNED TANK NUMBERS	SIZE OF TANK (GALLONS)	PRODUCT LAST STORED IN TANK	DEQ ASSIGNED TANK NUMBERS	SIZE OF TANK (GALLONS)	PRODUCT LAST STORED IN TANK
38854	6000	GASOLINE	38857	500	USED OIL
38855	6000	GASOLINE			
38856	4000	GASOLINE			

ATTACH CONTINUATION SHEETS IF NECESSARY

IV. TANK CLOSURE INFORMATION

A. If the tank(s) are to be closed in place, indicate cleaning method and the type of fill material to be used:

N/A

B. Name of UST Certified Worker RONNIE COOK Certificate No. IRC-0534

C. Name of Contracting Company COOK-SMITH, INC.

D. Name of laboratory to conduct sample analysis SPL

FORMS THAT INCLUDE "TO BE DETERMINED" OR "UNKNOWN" AS A RESPONSE WILL BE REJECTED

V. CERTIFICATION

I certify that the above information is correct to the best of my knowledge and that the appropriate UST Regional Office will be contacted seven days prior to performing the UST system closure or change-in-service. I agree if closure or change-in-service of the UST system does not begin within 90 days after DEQ's approval, that this form becomes invalid. I also agree to submit the following information within 60 days after closure/change-in-service of the UST system:

(1) the "UST Closure/Assessment Form" (UST-ENF-02);
(2) two copies of a site drawing to include the information required by the "Underground Storage Tank Closure/Change-in-Service Assessment Guidelines";
(3) two copies of analytical results with chain-of-custody documents; and
(4) two copies of all manifests, bills of lading or receipts for the disposition of tank(s), tank contents, soil and waters.

CARY LILL, Agent for MARABELLA'S — X [signature] — 10/28/98

PRINT OR TYPE OWNER'S NAME — OWNER'S SIGNATURE — DATE

FORMS THAT DO NOT INCLUDE THE OWNER'S SIGNATURE WILL BE REJECTED

LDEQ RESPONSE - DO NOT WRITE BELOW THIS LINE

☐ Approved for the indicated activity.
☐ Approved for the indicated activity, provided you comply with the condition(s) noted below.
☐ DEQ records indicate that the contractor you have selected is not a UST worker certified by DEQ for closure. You must select, from the enclosed list, a contractor that is a certified UST worker.
☐ DEQ records indicate that the UST system has not been registered. You must complete the attached registration form and return it to this office IMMEDIATELY
☐ _____
☐ Rejected - The noted highlighted section(s) of this form must be completed in order for LDEQ to process.
☐ Rejected - This form has not been signed by the owner. Please resubmit with the required signature.

Signature of LDEQ Representative — Telephone No. (504) 765-0243 — Date / /

UST-ENF-01 **** INCOMPLETE FORMS MAY BE REJECTED **** Revised 12/94

STATE OF LOUISIANA
UNDERGROUND STORAGE TANK CLOSURE/ASSESSMENT FORM

Please complete and return within sixty (60) days after UST system closure or change-in-service

Return to: LDEQ - UST DIVISION, P. O. Box 82178, Baton Rouge, LA 70884-2178 Questions: (504) 765-0243

DEQ Facility Number 17-013437

DEQ Owner ID Number 135800 624300

I. OWNERSHIP OF TANKS

IF OWNER'S ADDRESS CHANGED, PLEASE CHECK ☐

MARABELLA's 66
OWNER NAME (CORPORATION/INDIVIDUAL, ETC.)

3155 PERKINS ROAD
MAILING ADDRESS

BATON ROUGE, LA 70808
CITY STATE ZIP

EAST BATON ROUGE
PARISH/COUNTY

(504) 383-2122
TELEPHONE (INCLUDE AREA CODE)

CARY LILL
NAME OF CONTACT PERSON

II. LOCATION OF TANKS

IF SAME AS SECTION I, PLEASE CHECK ☑

FACILITY NAME OR COMPANY SITE IDENTIFIER

STREET ADDRESS (P. O. BOX NOT ACCEPTABLE)

CITY STATE ZIP

PARISH

( ) TELEPHONE (INCLUDE AREA CODE)

CONTACT PERSON AT THIS LOCATION

III. TANK INFORMATION (Attach Continuation Sheets If Necessary)

DEQ ASSIGNED TANK NUMBERS	PRODUCT LAST STORED IN TANK	SIZE OF TANK (GALLONS)	CHOOSE ONE PER TANK 1 = Removed 2 = Closed-in-Place 3 = Change-in-Service[1] 4 = Removed & Replaced[2]	TANK PROPERLY LABELED? CIRCLE		HIGHEST LEL OR OXYGEN READING[3] LEL[4]	Oxygen	DATE OF CLOSURE OR CHANGE-IN-SERVICE
38854	GASOLINE	6000	1	(Y)	N	3	5.8	12/07/98
38855	GASOLINE	6000	1	(Y)	N	1	4.6	12/07/98
38856	GASOLINE	4000	1	(Y)	N	2	5.2	12/07/98
38857	USED OIL	500	1	(Y)	N	1	5.5	12/07/98
				Y	N			/ /

1 - Indicate the non-regulated substance to be stored in the tank.
2 - A registration form addressing the replacement tank must be completed.
3 - Highest reading recorded just before tank removed from excavation.
4 - Lower Explosive Limit

IV. TANK

A. Date cleaned 12/07/98

B. Date disposed/recycled 12/07/98

C. Name of disposal site/recycling site: SPETCO RECYCLING

V. TANK SLUDGES

A. Date disposed/recycled: NONE GENERATED / /

B. Volume removed: NONE GENERATED cu/yds

C. Name of disposal site: NONE GENERATED

VI. TANK WATERS/WASH WATERS

A. Date disposed/recycled: NONE GENERATED / /

B. Volume removed: NONE GENERATED gals

C. Name of disposal/recycling site: NONE GENERATED

VII. CONTAMINATED SOIL (IF APPLICABLE)

A. Date removed / /

D. Date disposed / /

B. Volume of soil removed (APPROX 100 - 200 CY) TO BE REMOVED cu/yds

C. Name of disposal site

VIII. CONTAMINATED GROUNDWATER (IF APPLICABLE)

A. Date removed / /

D. Date disposed / /

B. Volume of groundwater removed gals

C. Name of disposal site/recycler

IX. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

CARY LILL
FRANK MARABELLA
PRINT OR TYPE OWNER'S NAME

x [signature] OWNER'S SIGNATURE

1/25/99 DATE

RONNIE COOK
PRINT OR TYPE NAME OF CERTIFIED WORKER

x [signature] SIGNATURE OF CERTIFIED UST WORKER

IRC-0534 CERTIFICATE NO.

2/7/99 DATE

FORMS THAT DO NOT INCLUDE THE OWNER'S AND UST WORKER'S SIGNATURES WILL BE REJECTED.

LDEQ RESPONSE - DO NOT WRITE BELOW THIS LINE

☐ UST system removed from database; no further action required.
☐ UST system removed from database; additional information required.

Reviewer's Signature Telephone No. ( ) Date / /

Signature of LDEQ Representative Date / / Supervisor's Initials

UST-ENF-02 **** INCOMPLETE FORMS MAY BE REJECTED ***** Revised 12/94

UST DIV. MAIN OFFICE FILE

LABORATORY TEST RESULTS

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

LABORATORY REPORT

SPL WORKORDER NUMBER: 9812401

Submitted to:
RONNIE COOK
COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE LA 70898 0206

Reported: 12/15/98

Prepared For: COOK-SMITH, INC.

Measurement Basis: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

Approved By:

ANNIE REEDY
Project Manager

Note: This report may not be reproduced, except in full, without written permission from SPL.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, December 15, 1998

*****SUMMARY REPORT*****

Company: COOK-SMITH, INC.
Site: BATON ROUGE,LA/3155 PERKINS

Project No: 9812.07
Project: LILL'S CAR CARE

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9812401-01	SOIL	NO.1	12/7/98	Gasoline Range Organics	38	1mg/kg	California LUFT Manual for G
				Benzene	96	10µg/Kg	Method 8020A ***
				Toluene	1000	10µg/Kg	Method 8020A ***
				EthylBenzene	300	10µg/Kg	Method 8020A ***
				Total Xylene	1800	10µg/Kg	Method 8020A ***
9812401-02	SOIL	NO.2	12/7/98	Gasoline Range Organics	7.5	0.5mg/kg	California LUFT Manual for G
				Benzene	13	5µg/Kg	Method 8020A ***
				Toluene	160	5µg/Kg	Method 8020A ***
				EthylBenzene	57	5µg/Kg	Method 8020A ***
				Total Xylene	380	5µg/Kg	Method 8020A ***
9812401-03	SOIL	NO.3	12/7/98	Gasoline Range Organics	35000	5000mg/kg	California LUFT Manual for G
				Benzene	260000	50000µg/Kg	Method 8020A ***
				Toluene	2400000	50000µg/Kg	Method 8020A ***
				EthylBenzene	380000	50000µg/Kg	Method 8020A ***
				Total Xylene	2200000	50000µg/Kg	Method 8020A ***
9812401-04	SOIL	NO.4	12/7/98	Gasoline Range Organics	18	0.5mg/kg	California LUFT Manual for G
				Benzene	53	5µg/Kg	Method 8020A ***
				Toluene	290	5µg/Kg	Method 8020A ***
				EthylBenzene	110	5µg/Kg	Method 8020A ***
				Total Xylene	870	5µg/Kg	Method 8020A ***
9812401-05	SOIL	NO.5	12/7/98	Gasoline Range Organics	4.3	0.1mg/kg	California LUFT Manual for G
				Benzene	6.3	1µg/Kg	Method 8020A ***
				Toluene	42	1µg/Kg	Method 8020A ***
				EthylBenzene	20	1µg/Kg	Method 8020A ***
				Total Xylene	140	1µg/Kg	Method 8020A ***
9812401-06	SOIL	NO.6	12/7/98	Gasoline Range Organics	68000	5000mg/kg	California LUFT Manual for G
				Benzene	590000	50000µg/Kg	Method 8020A ***
				Toluene	2700000	50000µg/Kg	Method 8020A ***
				EthylBenzene	620000	50000µg/Kg	Method 8020A ***
				Total Xylene	3800000	50000µg/Kg	Method 8020A ***

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.
**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, December 15, 1998

*****SUMMARY REPORT*****

Company: COOK-SMITH, INC. **Project No:** 9812.07

Site: BATON ROUGE,LA/3155 PERKINS **Project:** LILL'S CAR CARE

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9812401-07	SOIL	NO.7	12/7/98	Gasoline Range Organics	2.8	0.1mg/kg	California LUFT Manual for G
				Benzene	140	1µg/Kg	Method 8020A ***
				Toluene	25	1µg/Kg	Method 8020A ***
				EthylBenzene	11	1µg/Kg	Method 8020A ***
				Total Xylene	89	1µg/Kg	Method 8020A ***
9812401-08	SOIL	NO.8	12/7/98	Gasoline Range Organics	1.1	0.1mg/kg	California LUFT Manual for G
				Benzene	17	1µg/Kg	Method 8020A ***
				Toluene	33	1µg/Kg	Method 8020A ***
				EthylBenzene	13	1µg/Kg	Method 8020A ***
				Total Xylene	90	1µg/Kg	Method 8020A ***
9812401-09	SOIL	NO.9	12/7/98	Gasoline Range Organics	2400	50mg/kg	California LUFT Manual for G
				Benzene	5700	500µg/Kg	Method 8020A ***
				Toluene	56000	500µg/Kg	Method 8020A ***
				EthylBenzene	29000	500µg/Kg	Method 8020A ***
				Total Xylene	250000	500µg/Kg	Method 8020A ***
9812401-10	SOIL	NO.10	12/7/98	Hydrocarbons by Soxhlet &	ND	10mg/kg	Method 5520 E & F **
9812401-11	SOIL	NO.11	12/7/98	Gasoline Range Organics	160	10mg/kg	California LUFT Manual for G
				Benzene	660	20µg/Kg	Method 8020A ***
				Toluene	3400	20µg/Kg	Method 8020A ***
				EthylBenzene	2800	20µg/Kg	Method 8020A ***
				Total Xylene	16000	20µg/Kg	Method 8020A ***
9812401-12	SOIL	NO.12	12/7/98	Gasoline Range Organics	210	20mg/kg	California LUFT Manual for G
				Benzene	1100	200µg/Kg	Method 8020A ***
				Toluene	12000	200µg/Kg	Method 8020A ***
				EthylBenzene	2800	200µg/Kg	Method 8020A ***
				Total Xylene	18000	200µg/Kg	Method 8020A ***

ND - Not Detected.

Notes: ***Ref:** Methods for chemical Analysis of Water and Wastes, 1983, EPA.

****Ref:** Standard Methods for Examination of Water and Wastewater, 18th ed.

*****Ref:** Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-01

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.1

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 10:45:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	96	10 P	µg/Kg
TOLUENE	1000	10 P	µg/Kg
ETHYLBENZENE	300	10 P	µg/Kg
TOTAL XYLENE	1800	10 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	3196		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	250 «		
4-Bromofluorobenzene	86		
Method 8020A.***			
Analyzed by: RB			
Date: 12/11/98			
Gasoline Range Organics	38	1 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	137		
4-Bromofluorobenzene	95		
TFT	143		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/11/98 10:32:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-02

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.2

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 10:55:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	13	5 P	µg/Kg
TOLUENE	160	5 P	µg/Kg
ETHYLBENZENE	57	5 P	µg/Kg
TOTAL XYLENE	380	5 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	610		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	92		
4-Bromofluorobenzene	80		
Method 8020A ***			
Analyzed by: RB			
Date: 12/11/98			
Gasoline Range Organics	7.5	0.5 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	163 «		
4-Bromofluorobenzene	87		
TFT	143		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/11/98 11:04:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-03

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.3

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 11:00:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	260000	50000 P	µg/Kg
TOLUENE	2400000	50000 P	µg/Kg
ETHYLBENZENE	380000	50000 P	µg/Kg
TOTAL XYLENE	2200000	50000 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	5240000		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	190 «		
4-Bromofluorobenzene	93		
Method 8020A ***			
Analyzed by: RB			
Date: 12/11/98			
Gasoline Range Organics	35000	5000 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	120		
4-Bromofluorobenzene	86		
TFT	118		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/11/98 11:36:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-04

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.#
COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.4

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 11:50:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	53	5 P	µg/Kg
TOLUENE	290	5 P	µg/Kg
ETHYLBENZENE	110	5 P	µg/Kg
TOTAL XYLENE	870	5 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	1323		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	74		
4-Bromofluorobenzene	62		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	18	0.5 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	306 «		
4-Bromofluorobenzene	115		
TFT	253 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 04:07:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-05

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.5

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 12:00:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	6.3	1 P	µg/Kg
TOLUENE	42	1 P	µg/Kg
ETHYLBENZENE	20	1 P	µg/Kg
TOTAL XYLENE	140	1 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	208.3		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	101		
4-Bromofluorobenzene	68		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	4.3	0.1 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	295 «		
4-Bromofluorobenzene	125		
TFT	296 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 04:38:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-06

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.#
COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.6

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 12:10:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	590000	50000 P	µg/Kg
TOLUENE	2700000	50000 P	µg/Kg
ETHYLBENZENE	620000	50000 P	µg/Kg
TOTAL XYLENE	3800000	50000 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	7710000		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	90		
4-Bromofluorobenzene	75		
Method 8020A ***			
Analyzed by: RB			
Date: 12/11/98			
Gasoline Range Organics	68000	5000 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	174 «		
4-Bromofluorobenzene	91		
TFT	178 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/11/98 13:14:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-07

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.#
COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.7

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 12:20:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	140	1 P	µg/Kg
TOLUENE	25	1 P	µg/Kg
ETHYLBENZENE	11	1 P	µg/Kg
TOTAL XYLENE	89	1 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	265		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	92		
4-Bromofluorobenzene	94		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	2.8	0.1 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	183 «		
4-Bromofluorobenzene	108		
TFT	187 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 05:42:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-08

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.8

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 12:25:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	17	1 P	µg/Kg
TOLUENE	33	1 P	µg/Kg
ETHYLBENZENE	13	1 P	µg/Kg
TOTAL XYLENE	90	1 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	153		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	66		
4-Bromofluorobenzene	85		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	1.1	0.1 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	161 «		
4-Bromofluorobenzene	94		
TFT	146		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 09:29:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-09

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.#
COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.9

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 12:35:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	5700	500 P	µg/Kg
TOLUENE	56000	500 P	µg/Kg
ETHYLBENZENE	29000	500 P	µg/Kg
TOTAL XYLENE	250000	500 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	340700		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	108		
4-Bromofluorobenzene	174 «		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	2400	50 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	339 «		
4-Bromofluorobenzene	180 «		
TFT	265 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 10:03:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-10

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.10

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 13:45:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Hydrocarbons by Soxhlet & Gravimetry Method 5520 E & F ** Analyzed by: VG Date: 12/11/98 11:00:00	ND	10	mg/kg

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-11

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.# COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.11

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 15:00:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	660	20 P	µg/Kg
TOLUENE	3400	20 P	µg/Kg
ETHYLBENZENE	2800	20 P	µg/Kg
TOTAL XYLENE	16000	20 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	22860		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	67		
4-Bromofluorobenzene	165 «		
Method 8020A ***			
Analyzed by: RB			
Date: 12/11/98			
Gasoline Range Organics	160	10 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	152 «		
4-Bromofluorobenzene	103		
TFT	170 «		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 10:35:00			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interference.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9812401-12

COOK-SMITH, INC.
P.O. BOX 80206
BATON ROUGE, LA 70898-0206
ATTN: RONNIE COOK

P.O.#
COC#076683, 076684
DATE: 12/15/98

PROJECT: LILL'S CAR CARE
SITE: BATON ROUGE,LA/3155 PERKINS
SAMPLED BY: COOK-SMITH
SAMPLE ID: NO.12

PROJECT NO: 9812.07
MATRIX: SOIL
DATE SAMPLED: 12/07/98 15:30:00
DATE RECEIVED: 12/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	1100	200 P	µg/Kg
TOLUENE	12000	200 P	µg/Kg
ETHYLBENZENE	2800	200 P	µg/Kg
TOTAL XYLENE	18000	200 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	33900		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	98		
4-Bromofluorobenzene	99		
Method 8020A ***			
Analyzed by: RB			
Date: 12/10/98			
Gasoline Range Organics	210	20 P	mg/kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	125		
4-Bromofluorobenzene	99		
TFT	128		
California LUFT Manual for Gasoline			
Analyzed by: RB			
Date: 12/10/98 11:08:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results reported on a Wet Weight Basis unless otherwise noted.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

** SPL BATCH QUALITY CONTROL REPORT **
Method 8020A ***

Matrix: Soil
Units: µg/Kg

Batch Id: HPAA981209161200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	70 - 130
Toluene	ND	50	50	100	70 - 130
EthylBenzene	ND	50	51	102	70 - 130
O Xylene	ND	50	51	102	70 - 130
M & P Xylene	ND	100	100	100	70 - 130

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	50	53	106	53	106	0	20	70 - 130
TOLUENE	ND	50	53	106	53	106	0	20	70 - 130
ETHYLBENZENE	ND	50	53	106	53	106	0	20	70 - 130
O XYLENE	ND	50	53	106	53	106	0	20	70 - 130
M & P XYLENE	ND	100	110	110	110	110	0	20	70 - 130

Analyst: RB
Sequence Date: 12/09/98
SPL ID of sample spiked: BLANK
Sample File ID: AL09301.TX0
Method Blank File ID:
Blank Spike File ID: AL09303.TX0
Matrix Spike File ID: AL09339.TX0
Matrix Spike Duplicate File ID: AL09340.TX0

* = Values Outside QC Range. « = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source:
(***) = Source: 8020 Table 3

SAMPLES IN BATCH(SPL ID): 9812456-07A 9812401-04A 9812401-05A 9812401-07A 9812401-08A 9812401-09A 9812401-11A 9812401-12A 9812456-01A 9812456-02A 9812456-03A 9812456-04A 9812456-05A 9812456-06A

** SPL BATCH QUALITY CONTROL REPORT **

California LUFT Manual for Gasoline

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Soil
Units: mg/kg

Batch Id: HPAA981209161201

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Gasoline Range Organics	ND	5.0	5.02	100	70 - 130

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
GASOLINE RANGE ORGANICS	ND	5.0	4.80	96.0	4.77	95.4	0.627	20	20 - 130

Analyst: RB
Sequence Date: 12/09/98
SPL ID of sample spiked: BLANK
Sample File ID: GL09307.TX0
Method Blank File ID:
Blank Spike File ID: GL09305.TX0
Matrix Spike File ID: GL09341.TX0
Matrix Spike Duplicate File ID: GL09342.TX0

* = Values Outside QC Range. < = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL Lafayette
(***) = Source: SPL Lafayette

SAMPLES IN BATCH(SPL ID):

9812401-04A 9812401-05A 9812401-07A 9812401-08A
9812401-09A 9812401-11A 9812401-12A 9812343-04A
9812456-01A 9812456-02A 9812456-03A 9812456-05A
9812456-07A

** SPL BATCH QUALITY CONTROL REPORT **
Method 8020A ***

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Soil
Units: µg/Kg

Batch Id: HPAA981210170000

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	54	108	70 - 130
Toluene	ND	50	54	108	70 - 130
EthylBenzene	ND	50	55	110	70 - 130
O Xylene	ND	50	55	110	70 - 130
M & P Xylene	ND	100	110	110	70 - 130

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	50	44	92.0	44	92.0	0	20	70 - 130
TOLUENE	ND	50	40	82.0	41	84.0	2.41	20	70 - 130
ETHYLBENZENE	ND	50	40	80.0	40	80.0	0	20	70 - 130
O XYLENE	ND	50	39	78.0	39	78.0	0	20	70 - 130
M & P XYLENE	ND	100	78	85.0	79	86.0	1.17	20	70 - 130

Analyst: RB
Sequence Date: 12/10/98
SPL ID of sample spiked: 9812531-01A
Sample File ID: AL10453.TX0
Method Blank File ID:
Blank Spike File ID: AL10403.TX0
Matrix Spike File ID: AL10466.TX0
Matrix Spike Duplicate File ID: AL10467.TX0

* = Values Outside QC Range. « = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source:
(***) = Source: 8020 Table 3

SAMPLES IN BATCH(SPL ID):

9812401-11A 9812459-01A 9812459-02A 9812459-03A
9812459-05A 9812459-06A 9812460-01A 9812460-02A
9812460-03A 9812460-04A 9812457-01A 9812457-02A
9812457-03A 9812457-04A 9812456-08A 9812456-09A
9812401-01A 9812401-02A 9812401-03A 9812401-06A

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

** SPL BATCH QUALITY CONTROL REPORT **

California LUFT Manual for Gasoline

Matrix: Soil
Units: mg/kg

Batch Id: HPAA981210170002

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Gasoline Range Organics	ND	5.0	5.13	103	70 - 130

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
GASOLINE RANGE ORGANICS	ND	5.0	4.87	97.4	4.48	89.6	8.34	20	20 - 130

Analyst: RB
Sequence Date: 12/10/98
SPL ID of sample spiked: BLANK
Sample File ID: GL10406.TX0
Method Blank File ID:
Blank Spike File ID: GL10405.TX0
Matrix Spike File ID: GL14110.TX0
Matrix Spike Duplicate File ID: GL14111.TX0

* = Values Outside QC Range. < = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL Lafayette
(***) = Source: SPL Lafayette

SAMPLES IN BATCH(SPL ID):

9812401-03A	9812401-06A	9812459-01A	9812459-02A
9812459-03A	9812459-05A	9812460-01A	9812460-02A
9812460-03A	9812460-04A	9812457-01A	9812457-02A
9812457-03A	9812457-04A	9812456-04A	9812456-06A
9812456-08A	9812456-09A	9812401-01A	9812401-02A

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 12/14/98
Analyzed on: 12/11/98
Analyst: VG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Hydrocarbons by Soxhlet & Gravimetry
Method 5520 E & F **

SPL Sample ID Number	Method Blank mg/kg	Sample Result mg/kg	Spike Added mg/kg	Matrix Spike Result mg/kg	Matrix Spike Recovery %	Matrix Spike Duplicate Result mg/kg	Matrix Spike Duplicate Recovery %	RPD (%)	QC LIMITS (Advisory) RPD Max	QC LIMITS (Advisory) % REC
BLANK_SPIKE	ND	ND	1500	1500	100	1400	93.3	6 9	20	70 -130

5520EF9812111100-9812626

Samples in batch:

9812238-01A 9812401-10A

COMMENTS:

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

SPL/LE/SM-F1.06

SPL® Sample Receipt Checklist

9812401

Client: Cook Smith	COC Serial #: 076683			
Project #:	Project Loc:	Yes	No	NA
Are Custody seals on the shipping container present and intact?		—		
Chain-of-Custody (COC) present and signed by the sampler?		—		
Traffic reports, airbills, or bills of lading present?			—	
Are sample containers intact?		—		
Are sample tags/field labels present on each sample?		—		
Are all samples present in the sample kit listed on the COC?		—		
Do date/time of sample collection agree with COC?		—		
Do sample tags/field tags agree with COC?		—		
Does sample type agree with COC?		—		
Does the number of bottles recieved for each parameter agree with COC?		—		
Does the bottle type and volume agree with COC? SG-18.		—		
Are the analyses requested listed on the COC? 12.			—	
Is the sample kit temperature 2 - 6 degrees C?		—		
Record the temperature in degrees C in the NA column.				4C
Is the pH of all preserved samples checked and documented properly?		—		
Are all samples preserved according to EPA guidelines?		—		
Are all samples within the EPA maximum holding times?		—		
Do sample containers conform to EPA guidelines?		—		
Did the receiving technician record the date/time of receipt and sign the COC?		—		
Was a nonconformance filled out for any items with a NO response?				—

Method of sample delivery to SPL and airbill number where applicable (circle one)?

Fed-X UPS (Other: SPL)

Method of sample disposal:(circle one) (SPL Disposal) HOLD Return to Client

Receiving Technician signature: [signature] Date/Time: 12-7-98/1700

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9812401 — 076683 — page 1 of 2

Client Name: Cook-Smith, Inc.
Address/Phone: P.O. Box 80206 / 504-769-9060
Client Contact: Ronnie Cook
Project Name: Lill's Car Care
Project Number: 9812.07
Project Location: 3155 Perkins Rd., Baton Rouge, LA
Invoice To: Cook-Smith, Inc.

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water SL=sludge S=soil O=other:)	bottle (P=plastic G=glass A=amber glass V=vial)	size (1=1 liter 8=8oz 4=4oz 16=16oz 40=vial)	pres. (1=HCl 3=H2SO4 2=HNO3 O=other:)	Number of Containers	Requested Analysis: BTEX/TPH-G (Solids Method 8020 Method 8015)	Requested Analysis: Oil and Grease Standard Methods 5520F	Requested Analysis: BTEXMS	Requested Analysis: GRO/CAMS	Requested Analysis: 5520F
No. 1	12/7/98	10:45		✓	S	G	4	—	1	✓			BTEXMS	
No. 2	12/7/98	10:55		✓	S	G	4	—	1	✓				GRO/CAMS
No. 3	12/7/98	11:00	✓		S	G	4	—	1	✓				
No. 4	12/7/98	11:50		✓	S	G	4	—	1	✓				5520F
No. 5	12/7/98	12:00		✓	S	G	4	—	1	✓				
No. 6	12/7/98	12:10	✓		S	G	4	—	1	✓				
No. 7	12/7/98	12:20		✓	S	G	4	—	1	✓				
No. 8	12/7/98	12:25		✓	S	G	4	—	1	✓				
No. 9	12/7/98	12:35	✓		S	G	4	—	1	✓				
No. 10	12/7/98	1:45		✓	S	G	4	—	1		✓			

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Temp:

Requested TAT

24hr ☐ 72hr ☐ 48hr ☐ Standard ☒ Other ☐ _____

Special Reporting Requirements: Fax Results ☒ Raw Data ☐ Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Daniel Mcdonald	12/7/98	4:00	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 12-7-98	time 1700	6. Received by Laboratory:

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

☒ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

RISK EVALUATION/CORRECTIVE ACTION PROGRAM EVALUATION

Marabella's 66
3155 Perkins Road
Baton Rouge, LA
(East Baton Rouge Parish)
FID # 17-013437
Incident # UE-99-2-0027
Assessment # UE-A-99-0026
Agency Interest (AI)/CFIS No. 20657

Prepared For:

Mr. Frank Marabella
c/o Mr. Fred T. Crifasi
Marabella & Crifasi
2161 Quail Run Dr. Suite A
Baton Rouge, LA 70808
(225) 766-0014

Prepared By:

Cook-Smith, Inc.
P.O. Box 80206
Baton Rouge, LA 70898-0206
(225) 769-9060

Stan Campbell
Project Engineer

Ronnie Cook
Project Manager

Date of Report
December 30, 2000

Cook-Smith, Inc.
Environmental Services

RECEIVED
JAN 1 7 2001
LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # EV2001-2907

— Desk Copy
— Review Copy
☒ File Room UST
— Check sent to Financial Services

December 30, 2000

Mr. Keith Casanova, Administrator
Louisiana Department of Environmental Quality
Main Office Remedial Services Division
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

REMEDIATION SERVICES DIVISION
Manager: Hall
Team Leader: Picou
File Room: UST AI #: 20657
Log Number:

Re: RECAP Evaluation (Appendix K)
Marabella's 66
3155 Perkins Road
Baton Rouge, Louisiana
East Baton Rouge Parish
Facility ID No. 17-013437
Incident No. UE-99-2-0027
Agency Interest (AI) No. 20657

Dear Mr. Casanova:

Presented herein on behalf of Marabella's 66, please find enclosed three (3) copies of the subject report.

We have submitted our package to you for your review. Please review the report and advise us of any further action required. Should you have any questions, please contact me at (225) 769-9060.

Respectfully Submitted,
Cook-Smith, Inc.

Ronnie Cook
Project Manager

RECEIVED
JAN 1 7 2001
Dept. of Environmental Quality
Office of Environmental Assessment

cc: Mr. Frank Marabella
Mr. Gordon Polozola
Mr. Fred Crifasi

Post Office Box 80206
Baton Rouge, Louisiana 70898-0206
(225) 769-9060

5253 Dijon Dr Suite C
Baton Rouge, Louisiana 70809
Fax (225) 769-9061

RECAP SUBMITTAL SUMMARY FORM

A completed RECAP Submittal Summary form shall be included as the first page of the RECAP Submittal.

Facility Owner Name: Mr. Frank Marabella

Facility Owner Mailing Address: 2161 Quail Run Dr. Suite A
Baton Rouge, LA 70808

Facility Operator Name: Mr. Frank Marabella

Facility Operator Mailing Address: 2161 Quail Run Dr. Suite A
Baton Rouge, LA 70808

Facility Physical Address: 3155 Perkins Road
Baton Rouge, LA

Parish: East Baton Rouge

Latitude/Longitude of Primary Facility Entrance: 30° 25' 27" / 91° 09' 26"

Latitude/Longitude Method: GPS

Facility Contact Person: Mr. Frank Marabella

Facility Contact Person's Phone Number: (225) 766-0014

Facility Contact Person's Mailing Address: 2161 Quail Run Dr. Suite A
Baton Rouge, LA 70808

Facility LDEQ Identification Numbers: FID# 17-013437
Agency Interest (AI) No. 20657

Area of Investigation Name: Marabella's 66 - (AOI)

Area of Investigation Location: Area around Dispenser Island - (AOI) (See Figure 16)

Area of Investigation Size: AOI = 0.22 acre

Indicate How Release Occurred (if known): The release was discovered following a site assessment conducted by a previous contractor in October of 1998. The release is known to have occurred prior to the above date. The gasoline release is believed to be related to a faulty UST piping system.

List Constituents Released (if known): *Gasoline*—Benzene, Toluene, Ethylbenzene, Xylene (BTEX), and Total Petroleum Hydrocarbons as Gasoline (TPH-G) and MTBE

RECAP Submittal Date: December 30, 2000

RECAP Submittal Prepared by: Ronnie Cook

RECAP Submittal Preparer's Employer: Cook-Smith, Inc.

Site Ranking: [ ] Class 1 [ ] Class 2 [ ] Class 3 [X] Class 4

Media Impacted:

[X] Surface Soil	[ ] Groundwater 1A	[ ] Surface water
[X] Potential Surface Soil	[ ] Groundwater 1B	[ ] Sediment
[ ] Subsurface Soil	[ ] Groundwater 2A	[ ] Biota
	[ ] Groundwater 2B	
	[ ] Groundwater 2C	
	[X] Groundwater 3A	
	[ ] Groundwater 3B	
	[ ] Groundwater Classification Unknown	

Aquifer: "400-foot" Sand.

Depth Groundwater First Encountered: 3-5 feet below ground surface

Fractional Organic Carbon Content: 0.0172 (0.02 default)

Distance from POC to POE: 2,000 feet (default) Dilution Factor Applied: 724

NAPL Present? [X] Yes [ ] No (slight residual in MW-3 & MW-4)

Current Land Use: [X] Non-Industrial [ ] Industrial SIC: 453

Potential Future Land Use: [X] Non-Industrial [ ] Industrial SIC: 453

Offsite Contamination? [X] Yes [ ] No

If Yes, Land Use Offsite: [X] Non-Industrial [ ] Industrial SIC: 814, 812

Management Option(s) Used:

[ ] SO: Are the maximum detected concentrations for all COCs in all impacted media less than or equal to the limiting SS? [ ] Yes [ ] No

[ ] MO-1: Are the exposure concentrations for all COCs in all impacted media less than or equal to the limiting MO-1 RS? [ ] Yes [ ] No

[ ] MO-2: Are the exposure concentrations for all COCs in all impacted media less than or equal to the limiting MO-2 RS? [ ] Yes [ ] No

[X] Appendix K: Are the exposure concentrations for all COCs in all impacted media less than or equal to the limiting Appendix K MO-2 RS? [ ] Yes [X] No

[ ] MO-3A: Is the cumulative cancer risk less than or equal to 1E-06? [ ] Yes [ ] No

Is the total hazard index less than or equal to 1.0? [ ] Yes [ ] No

[ ] MO-3B: Are the exposure concentrations for all COCs in all impacted media less than or equal to the limiting MO-1 RS? [ ] Yes [ ] No

Is Corrective Action Proposed: [X] Yes [ ] No

Are Institutional Controls Proposed: [ ] Yes [X] No

Have Interim Corrective Actions Been Performed: [X] Yes [ ] No

If yes, explain: USTs removal, dispensers removal, dispenser islands removed, free product removal from monitoring wells during the last four quarterly monitoring events.

Is There a Current or Potential Ecological Impact: [ ] Yes [X] No

What is the Action Being Requested for Management of this AOI:

[ ] NFA-ATT [X] CAP Approval [ ] Closure Plan Approval

RECAP Standards Applied at the AOI:

Identification of the limiting RS for each impacted medium from Appendix K - Category 11 tables (source 65 feet, f_{OC}=0.02)

Standards for Soil:

Compound	Limiting $Soil_{NI}$ (ppm)	Limiting GW3NDW Groundwater (ppm)
Benzene	2.3	246.1
Toluene	1,100	520
Ethyl benzene	2,200	230
Xylene	19,000	150
TPH-G	900	10,000
MTBE	8,300	9,800

Standards for Groundwater:

Compound	Limiting GW3NDW Groundwater (ppm)
Benzene	9.41
Toluene	530
Ethyl benzene	170
Xylene	160
TPH-G	22,444
MTBE	51,000

RISK EVALUATION/CORRECTIVE ACTION PROGRAM EVALUATION

Marabella's 66
3155 Perkins Road
Baton Rouge, LA
(East Baton Rouge Parish)
FID # 17-013437
Incident # UE-99-2-0027
Assessment # UE-A-99-0026
Agency Interest (AI)/CFIS No. 20657

Prepared For:

Mr. Frank Marabella
c/o Mr. Fred T. Crifasi
Marabella & Crifasi
2161 Quail Run Dr. Suite A
Baton Rouge, LA 70808
(225) 766-0014

Prepared By:

Cook-Smith, Inc.
P.O. Box 80206
Baton Rouge, LA 70898-0206
(225) 769-9060

Stan Campbell
Project Engineer

Ronnie Cook
Project Manager

Date of Report
December 30, 2000

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APPENDICES

RECAP Form 3 - Analytical Data Summary Report Form

RECAP Form 4 - Sampling Information Summary Report Form

RECAP Form 5 - Groundwater Monitoring Well Characteristics Form

RECAP Form 6 – Groundwater Monitoring Well Sampling Event Summary Form (9/29/00)

LaDOTD 1.5 mile Water Well Survey

Executive Summary

Site History and Vicinity Characteristics

The site under investigation is a former gasoline station, which is located at 3155 Perkins Road in Baton Rouge, Louisiana. On December 7, 1998, two 6,000 gallon gasoline Underground Storage Tanks (USTs), one 4,000 gallon gasoline UST, and one 500 gallon used oil UST were removed. The property was on the real estate market and attracted a potential buyer. Prior to the potential property transfer, a site assessment was required by the potential buyer's lending institution to determine if the site had been adversely affected by the operations of the gasoline station. A limited site assessment was conducted for the potential buyer by Ellis Environmental Consultants, L.L.C. and reported elevated contaminant concentrations in several soil and groundwater samples. Based on these results, it was determined that proper delineation of the soil and groundwater contaminant plumes had not been achieved during the assessment. Therefore, Mr. Frank Marabella, owner of Marabella's 66, contracted Cook-Smith, Inc. (CSI) to further assess the site and to determine if corrective action would be warranted.

The site is located at the intersection of Perkins Road and Cedardale Avenue in a commercial and residential part of Baton Rouge, Louisiana. It is bounded by Cedardale Avenue to the northeast and Perkins Road to the southwest. Adjacent properties include offices, a beauty salon, a clothing shop, a frame shop, and residential properties. At the time of the investigation, the property was vacant of occupancy.

Reports of the assessment activities have been developed and submitted to LDEQ. CSI developed and submitted proposals to the Louisiana Department of Environmental Quality (LDEQ) to perform assessment of the site to horizontally and vertically delineate the impacted soil and groundwater. LDEQ granted approval of the proposed assessment work, and CSI installed several soil borings up to 16 feet below ground surface (bgs), installed six monitoring wells, and sampled all monitor wells on site.

Site Investigation Results and Area of Investigation (AOI)

Based on the analytical results obtained from the site assessments, it appears that shallow soil contamination resulting from gasoline spills at the surface is present in an area located south of the former fuel islands near borings MW-3 and MW-4.

The contamination was found to be most prevalent in a two foot silty zone approximately 6-8 feet below the ground surface. Below that zone is stiff clay that may be acting as an aquitard slowing any downward migration.

The AOI is defined as an area 125 feet by 75 feet (approximately .22 acres) as shown on Figure 16. The AOI extends from the existing building to Perkins Road and from the tank hold to the edge of the pavement near MW-4. The contaminated soil acting as a source for groundwater contamination is an area approximately 65 ft. by 30 ft. by 10 ft. deep. The estimated volume of contaminated soil acting as a potential source of contamination for groundwater is approximately 700 cubic yards.

The Gasoline release source length is approximately 65 feet parallel to groundwater flow.
The dimensions of the facility site are approximately 165' x 192' or approximately 0.73 acre.
The dimensions of the AOI are 75 ft. x 125 ft. or approximately 0.22 acre.

Constituents of Concern (COCs) for each medium

The following COCs were identified from RECAP as those to be evaluated for gasoline release.

COC for Soil	COC for Groundwater
Benzene	Benzene
Toluene	Toluene
Ethyl benzene	Ethyl benzene
Xylene	Xylene
TPH-G	TPH-G
MTBE	MTBE

Identification of the RECAP Option

A number of soil and groundwater samples exceeded the department-derived Screening Standards (SS). Therefore, it was concluded that the Area of Investigation (AOI) warranted further evaluation under a management option. This report is based on an evaluation of the site in accordance with Appendix K of RECAP published by LDEQ. This typical evaluation for UST sites uses the standards and assumptions provided for a MO-2. The evaluation was conducted to determine site-specific corrective action levels and to see if contaminant concentrations observed in soil and groundwater are present at levels of concern to potential receptors.

Limiting RECAP Standards

Using the guidelines presented in the June 2000 Edition of the RECAP document, site-specific limiting RECAP standards were determined for the soil and the groundwater. The limiting RECAP standards for this site are as follows:

Compound	Limiting Soil RS (ppm)	Limiting GW3NDW Groundwater (ppm)
Benzene	2.3	9.41
Toluene	1,100	530
Ethyl benzene	2,200	170
Xylene	19,000	160
TPH-G	900	22,444
MTBE	8,300	51,000

Proposed Plan of Action:

After comparing all analytical results to the limiting Appendix K RECAP standards, it was determined that soil in the vicinity of the former pump islands should be excavated to remove residual contaminated soil that may still act as a source for groundwater contamination.

A Corrective Action Plan is proposed to establish the specific activities to excavate contaminated surface soil and potential surface soil within the source area, and to remediate the contaminated groundwater.

1.0 Introduction

1.1 Site History

The Marabella's 66 (Lill's Car Care) facility (the site) is located at 3155 Perkins Road within the city limits of Baton Rouge, East Baton Rouge Parish, Louisiana. The site is geographically located in Section 94, Township 7 South, Range 1 East, East Baton Rouge Parish, Louisiana. Adjacent properties include offices, a beauty salon, a clothing shop, a frame shop, and residential properties. Currently located at the site are six (6) monitoring wells, (1) building, (1) office, (1) canopy, and a former UST tankhold area that has been left excavated since the UST Closure on December 7, 1998. Mr. Frank Marabella has owned the property since approximately 1961 and operated the facility as a service station (either as an Exxon or Phillips 66 station) until approximately 5 years ago when Mr. Cary Lill began operating the facility. The initial USTs utilized at the facility were removed by Exxon in 1985. Following their removal, a pressurized UST system was installed including two (2) each 6,000 gallon gasoline steel USTs, one (1) each 4,000 gallon gasoline steel UST, and one (1) each 500 gallon used oil steel UST. These were the tanks that were removed by Cook-Smith, Inc. on December 7, 1998. Mr. Cary Lill utilized the property as an automotive repair shop until about January 1, 2000. The intended future use of the property is not known at this time. There are no underground storage tanks (USTs) currently located on the property. In a letter dated May 21, 1999, the LDEQ stated that an assessment is required and must be conducted at this site. The reason for the required assessment was based on information within the Limited Phase II Environmental Site Assessment completed by Ellis Environmental Consultants, L.L.C. Their report indicated that the subsurface soils and groundwater were contaminated with petroleum hydrocarbons. The Limited Phase II ESA was conducted as part of a follow-up to the findings of a Phase I ESA, also by Ellis, for Regions Bank in October 1998. The Phase I ESA indicated the presence of free product (gasoline) in two of the four release detection wells surrounding the three gasoline USTs which were located near the southwestern portion of the site.

The chronology of events for the above referenced period is as follows:

- A Phase I Environmental Site Assessment was performed at Marabella's 66 (Lill's Car Care) in October of 1998 by Ellis Environmental Consultants, L.L.C. (Ellis) for Regions Bank as part of an evaluation of the subject property. Among other findings, Ellis reported finding free product (gasoline) in two of the four leak detection wells surrounding the UST system present at the site at that time. Free product thicknesses ranged from 0.25 to 0.50 inches. Ellis recommended notifying the LDEQ verbally within 24 hours and in writing within 7 days of discovering the free product in the leak detection wells. They also recommended conducting a Limited Phase II ESA and either closing or upgrading the UST system.

- On October 6, 1998, Mr. Lill, the current operator of the facility, was informed by Ellis, which was performing the Phase I ESA, that a small amount of free product

was found in two of the four release detection wells located around the UST tankhold area. Mr. Lill reported this finding to the LDEQ on October 7, 1998. According to the UST Division - Release Detection Form dated October 7, 1998, an unknown amount of gasoline was released in an unknown manner. The LDEQ opened Incident Number UE-98-2-0101 which required the shut down of Mr. Lill's UST system and mandated tank and line tightness testing be performed immediately. The UST system was shut down immediately and Home Oil Company was contacted to have tank and line tests performed.

- The facility was then initially inspected by Mr. Michael Picou with the LDEQ followed by the submission of a Louisiana UST Division Inspection Report on October 7, 1998. This report stated that approximately one-inch of gasoline was located on the water table, which was about five feet below ground surface in the northwest and southwest release detection wells. Mr. Picou concluded in this Inspection Report that the USTs must be removed and, if possible, the soils that are contaminated with petroleum hydrocarbons excavated and remediated.

- Cook-Smith, Inc. performed a UST(s) system closure of two (2) each 6,000 gallon gasoline steel USTs, one (1) each 4,000 gallon gasoline steel UST, and one (1) each 500-gallon waste oil steel UST located at Marabella's 66 (Lill's Car Care). On December 7, 1998, all four USTs were removed from the site and required samples taken. The sampling results and diagram were provided to the LDEQ and Mr. Frank Marabella. The UST Closure Report for Marabella's 66 (Lill's Car Care) was prepared on January 25, 1999 and submitted to the LDEQ. The laboratory analytical results from the soil samples collected during the UST Closure indicated that the backfill soils in the UST tankhold area, the native soils under the UST tankhold area, and the native soils under the dispenser islands were contaminated with elevated levels of petroleum hydrocarbons.

- A meeting was held on January 20, 1999 between Mr. Michael Picou (LDEQ), Mr. Frank Marabella and his representatives (Mr. Gordon Polozola and Mr. Fred Crifasi), Mr. and Mrs. Cary Lill, and Cook-Smith, Inc. (Mr. Ronnie Cook and Mr. Daniel MacDonald). The results of the UST Closure samples were reviewed and a discussion of the options available for remediation of the contaminated materials occurred.

- In a letter dated February 12, 1999 from the LDEQ, the 1998 gasoline release from the UST system at Marabella's 66 (Lill's Car Care) has been determined to be eligible for reimbursement from the Louisiana Motor Fuels Underground Storage Tank Trust Fund.

- A Limited Phase II Environmental Site Assessment was performed at Marabella's 66 (Lill's Car Care) on March 16, 1999 by Ellis Environmental Consultants, L.L.C. (Ellis) for Regions Bank as part of a continued evaluation of the subject property following the Phase I Environmental Site Assessment. Ellis installed five (5) geoprobes at depths ranging from 4 to 7 feet bgs. Groundwater samples were analyzed for BTEX (EPA Method 8020). BTEX concentrations were detected in the groundwater samples from four of the five geoprobes ranging

between 0.038 ppm and 168.86 ppm. Ellis recommended submitting the findings of the Limited Phase II - Environmental Site Assessment to the LDEQ. The Limited Phase II ESA Report was submitted to the LDEQ on April 23, 1999 by Mr. Gordon Polozola, Mr. Frank Marabella's attorney.

- In a letter dated May 21, 1999 from the LDEQ, the UST Division stated that they had reviewed the Limited Phase II - Environmental Site Assessment for Marabella's 66. The LDEQ required the submission of a report summarizing the initial abatement steps taken to bring the situation under control. The LDEQ also required that an assessment be conducted at the site and the name of the selected Response Action Contractor (RAC) to perform this assessment be provided along with an assessment work plan and cost estimate.

- Cook-Smith, Inc. was selected to be the Remedial Action Contractor (RAC) for Marabella's 66 (Lill's Car Care) incident number UE-99-2-0027 in a letter to the LDEQ dated June 15, 1999 from Mr. Frank Marabella's attorney, Mr. Gordon Polozola of Kean, Miller, Hawthorne, D'Armond, McCowan & Jarman, L.L.P.

- Cook-Smith, Inc. developed and submitted an Initial Abatement Report along with a Work Plan and Cost Estimate for Site Assessment Activities (installation of five (5) groundwater monitoring wells) on June 14, 1999. In a letter from the LDEQ dated July 27, 1999, the Work Plan and Cost Estimate for Monitoring Well(s) Installation and Additional Site Assessment Activities were approved for implementation.

- Implementation of the approved Work Plan for Monitoring Well(s) Installation and Additional Site Assessment Activities at the site to determine groundwater flow and groundwater contamination levels began on September 1, 1999. Five (5) new groundwater monitoring wells were installed at the site on September 16 & 17, 1999. The number and location of monitoring wells were determined during the monitoring well(s) installation by LDEQ and Cook-Smith, Inc.'s representatives. The locations are shown on Figure 4 - Site Plan Map.

- The Site Assessment Report was submitted to LDEQ on October 1, 1999.

- The LDEQ-RSD sent a letter to the owner of the facility dated December 16, 1999. The letter contained the following information: The LDEQ-RSD stated that previous reports have been reviewed and required that an additional investigation be conducted in the vicinity of MW-4. This additional investigation must define the extent of contamination in the southeast corner of the referenced facility's property boundaries. Once the levels of constituents of concern (COC's), which are benzene, toluene, ethyl benzene, xylene, and TPH-G, are determined, the Area of Investigation (AOI) must be evaluated under the LDEQ's Risk Evaluation/Corrective Action Program (RECAP). This evaluation must establish clean-up levels for site-related COC's. The LDEQ-RSD requested a proposal and cost estimate be submitted that incorporates the above-mentioned requirements.

- Cook-Smith, Inc. conducted a "slug test" on MW-1 on December 16, 1999. The engineering analysis and calculations was attached to a previous report.

- On December 22, 1999, a meeting between LDEQ, Cook-Smith, Inc., and the owner of the facility was held to discuss the additional requirements requested by the LDEQ-RSD. Attending the meeting was Mike Picou (LDEQ), Ronnie Cook (Cook-Smith, Inc.), Stan Campbell (Cook-Smith, Inc.), and Tony Marabella (Marabella & Crifasi) and Gordon Polozola (Kean, Miller, Hawthorne, D'Armond), attorneys for Mr. Frank Marabella.

- Cook-Smith, Inc. installed five (5) groundwater monitoring wells at the Marabella's 66 site. During the boreholes/monitoring wells placement, soil samples were collected continuously to define borehole stratigraphy. A representative portion of each two-foot sample recovered was screened in the field with an HNU, then two samples from each well's boring were placed into laboratory supplied containers and transported on ice for environmental analysis of BTEX(8020A), TPH-G(8015B), MTBE(8020A), and LEAD(7421).

- Five (5) boreholes/monitoring wells were made on September 16 & 17, 1999. The boreholes were advanced to approximately 15 -16 feet below the surface. The surficial geology was defined as 0 - 2 feet of brown and gray, clayey silt underlain by stiff tan and gray, silty clay to 12 - 14 feet, then becoming less silty until a tan and gray clay at 14 - 16 feet. Groundwater was encountered in each of the boreholes as free water and/or saturation at about 11 feet below the ground surface. A very moist layer of silty clay was noticed in each of the boreholes at about 7 feet below the ground surface. According to the September 21, 1999 monitoring well sampling event, groundwater in the wells was observed at about 6 - 8 feet below ground surface. Copies of the Soil Boring Logs were presented in a previous report.

- The results of the laboratory analyses for the soil samples collected during the installation of the five (5) groundwater monitoring wells were presented in a previous report. Based on these results, there is contamination in the soil matrix beneath the pavement of the facility parking area. There are several feet of contaminated soils under the parking area of the facility near the area fronting Perkins Road. The locations of the highest contaminant concentration samples appear to exist in the shallow soil matrix between the surface and ten (10) feet below ground surface. These results show the highest contaminant concentration area being down-gradient of the former UST tankhold and its associated piping to the dispenser islands. Figure 5 provides groundwater potentiometric contours and flow direction across the site. No off-site sampling has been performed, There could be significant off-site migration in the shallow soil matrix. Figure 10 provides soil hydrocarbon concentrations from the soil samples collected during the installation of the boreholes/monitoring wells. This contamination could be considered as a source for groundwater contamination because of the level

of contamination that exists in the soil. Based on samples collected during this site assessment on September 21, 1999, groundwater is also contaminated. The groundwater is contaminated in the same pattern as the soil, being that the highest level of contamination in the groundwater was found at the same location as the highest level of contamination in the soil and similarly for the lowest levels of contamination. Thus, the groundwater contamination could be migrating off-site. Contaminated soil and/or groundwater estimated volumes and/or mass could not be calculated at this time. There are no suspected off-site sources at this time.

- The primary receptors could be humans and animals that consume down-gradient potable water supplies. Groundwater flowing through several underground conduits, utilities, sewers, drainage piping, etc. which are located on or near the site could possibly act as contaminant migration pathways to potential receptors. It is, however, very unlikely that the shallow contamination would actually be intercepted by an aquifer. The potential pathways do not appear to lead directly to a food source nor to a potable water supply at this time. Therefore, even though contamination could be moving off-site, there appears to be little potential for concern for human health or the environment. This does not mean that the site conditions should not be remediated - Cook-Smith, Inc. does recommend remedial action - but it does mean that a method of remediation can be developed and implemented on a logical schedule.

- Contamination and potential hazards posed by contaminated soils and groundwater has been assessed in accordance with LDEQ's Site Assessment Guidance Document (Revised August 1, 1994). This assessment identified contaminated groundwater in the furthermost down-gradient monitoring well (MW-4). Reference to Figure 5 - Quarterly Groundwater Potentiometric Contours Map shows the direction of groundwater flow toward the southeast. Contaminated soil and/or groundwater estimated volumes and/or mass could not be calculated at this time. There are no suspected off-site sources at this time.

- The Annual Monitoring Report for 1999 was submitted to LDEQ on January 15, 2000.

- On March 8, 2000, a Work Plan and Cost Estimate for Monitoring Well Installation and Additional Site Assessment Activities was submitted to the LDEQ-RSD. These additional site assessment activities were requested by the LDEQ-RSD in a letter to Mr. Frank Marabella dated December 16, 1999. This submittal resulted from a meeting held on December 22, 1999 at LDEQ's office attended by Mr. Michael Picou, Mr. Tony Marabella, Mr. Gordon Polozola, Mr. Ronnie Cook, and Mr. Stan Campbell. During the meeting, several issues were raised which could affect the Area of Investigation. One issue discussed was the previous point repair to the sanitary sewer conduits located near MW-3. Mr. Picou requested that an additional investigation of the underground utilities located near the southeast corner of the property be conducted. Another issue discussed was the fact that free product is present in MW-4. Mr. Picou requested that free product removal in the area around MW-4 be addressed.

- The First Quarter Monitoring Report for 2000 was submitted to the LDEQ on April 15, 2000.

- In a letter dated April 10, 2000 from the LDEQ, the LDEQ-RSD stated that they had reviewed the1999 Annual Monitoring Report dated January 15, 2000. The LDEQ-RSD concurs with Cook-Smith's recommendation to continue the current monitoring/sampling program. However, the LDEQ-RSD requested to begin reporting the results of the monitoring/sampling program semiannually. The semiannual reports are due July 15 and January 15 and should include all monitoring/sampling results collected during the two previous quarters. The format should continue to follow the Underground Storage Tank (UST) Groundwater Monitoring and Reporting Guidance Document with the exception of the reporting frequency and the requirement to provide a comprehensive annual report.

- In a letter dated May 9, 2000 from the LDEQ, the LDEQ-RSD stated that they had reviewed the Additional Assessment RECAP Evaluation Proposal completed by Cook-Smith, Inc. which was submitted to the LDEQ on March 8, 2000. The proposal, which consists of installing one each 4-inch diameter PVC monitoring well to a depth of approximately 20 feet below ground surface, conducting soil sampling near sanitary sewer utilities and conducting a RECAP Appendix J evaluation, is satisfactory and hereby approved with the condition that a revised cost estimate must be submitted to the LDEQ-RSD prior to conducting the additional assessment.

- On June 6, 2000, a Revised Cost Estimate for Additional Site Assessment Activities and RECAP Evaluation Proposal was submitted to the LDEQ-RSD. These additional site assessment activities were approved by the LDEQ-RSD with the condition that a revised cost assessment must be submitted prior to conducting the additional assessment.

- Implementation of the approved Work Plan for Monitoring Well Installation and Additional Site Assessment Activities at the site to determine groundwater flow and groundwater contamination levels began on June 8, 2000. One (1) new groundwater monitoring well (MW-6) was installed at the site on June 8, 2000. The location of the monitoring well was determined during the monitoring well installation by LDEQ and Cook-Smith, Inc.'s representatives.

- Cook-Smith, Inc. installed one (1) groundwater monitoring well (MW-6) at the Marabella's 66 site. One (1) borehole/monitoring well was made on June 8, 2000.

- During the boreholes/monitoring well placement, soil samples were collected continuously to define borehole stratigraphy. A representative portion of each two-foot sample recovered was screened in the field for organic vapors; then one sample was selected from the boring based on screening results and was placed into a laboratory supplied container and transported on ice for environmental analysis of BTEX(8020A) and TPH-G(8015B). The borehole was advanced to 16

feet below the surface. The surficial geology was defined as 0 - 2 feet of brown and gray, clayey silt underlain by stiff tan clay 2 - 16 feet. Groundwater was encountered in the borehole as free water and/or saturation at about 11 feet below the ground surface. According to the June 22, 2000 monitoring well sampling event, groundwater in the well was observed at about 11 - 12 feet below ground surface.

- Cook-Smith, Inc. installed four (4) soil borings (B-1, B-2, B-3, and B-4) at depths ranging form 6 to 12 feet bgs. Soil samples were analyzed for BTEX (Method 8020A) and TPH-G (Method Modified 8015B). BTEX concentrations were detected in the soil samples from two of the four soil borings ranging between 11.51 ppm and 37.12 ppm. TPH-G concentrations were detected in the soil samples from two of the four soil borings ranging between 160 ppm and 320 ppm.

- Monitoring well fluid level gauging/free product recovery (if present) on: Quarterly Monitoring Schedule. Potentiometric/free product data collection procedures: The monitoring wells were located and opened to allow for water level equilibration. Monitoring well integrity was inspected. After equilibration, depth-to-product (if present) and depth-to-water was measured to the nearest one-hundredth of a foot, with an oil/water interface probe. Product (if detected) was recovered and stored on-site for future recycling. Wells were measured from the least contaminated to the most contaminated, based on the most recent sampling data. The interface probe was decontaminated prior to on-site work, between each well, and after fluid level measurements were completed.

- Sampling on: Quarterly Monitoring Schedule. Groundwater sample collection procedures: The monitoring wells were sampled in the same order they were purged. Groundwater samples were collected with dedicated disposable bailers and transferred to a proper container (on ice) for transportation to Southern Petroleum Laboratories (SPL) in Scott, Louisiana for analyses. The samples were shipped for overnight delivery, accompanied by proper chain-of-custody documentation. Samples were analyzed for the following parameter(s) (method): BTEX (8020A) and TPH-G (8015B).

1.2 Site Description

1.2.1 Latitude and Longitude of primary facility entrance

Using a GPS satellite navigator, a latitude of 30' 25' 22" and a longitude of 91' 09' 26" was recorded for the facility during instillation of the on-site groundwater monitoring wells.

1.2.2 Site Setting

The site under investigation is located at the intersection of Perkins Road and Cedardale Avenue in a residential and commercial part of Baton Rouge, Louisiana. The site was vacant at the time of the initial investigation, but it was later leased to a garden center. All underground storage tanks on the site have been removed.

1.2.3 Site Size

The dimensions of the facility site are approximately 165' x 192' or approximately 0.727 acre.

1.2.4 Geology

Louisiana geological land formations and stratigraphic sedimentary characteristics found across the state are the direct result of mass alluvial deposition and the effects of four ice age glaciations. The fluctuating Gulf sea levels which resulted from the glacial onset and retreat, combined with recurring floods and radical runoff conditions dumped large quantities of riverine sediment over large areas of this state. Throughout the warming periods, which separated each ice age, massive quantities of melted snow and glaciers rushed down from the north significantly modifying the overall system. Native rivers crossed natural levies resulting in repeated meandering and channel abandonment for both the ancestral Red and Mississippi Rivers resulting in numerous ox-bow lakes.

The Pleistocene Geologic Era was crucial in determining present day Louisiana geology (Jones et al. 1954). Level and nearly level areas of the Prairie formation make up most of East Baton Rouge Parish. The gently sloping, silt mantled areas of the Montgomery formation occur mainly as a series of ridges along the northern border of the parish (Charles, 1905). Baton Rouge is underlain by deposits of Recent and Pleistocene age soils which are underlain by sedimentary rock of Pliocene and Miocene age. Sands of the Miocene age are the oldest deposits containing fresh water in the Baton Rouge area. The upper most sediments of East Baton Rouge Parish are Pleistocene and Recent deposits underlain by sand and shale of Pliocene age designated as the base of the "600-foot" aquifer.

1.2.5 Hydrology and Hydrogeology

Several aquifers exist beneath the Baton Rouge area. These aquifers include sands from approximately 400 to 3,000 feet below the ground surface with distinct aquatards separating the aquifers. Other aquifers include alluvial deposits and shallow-Pleistocene deposits (Morgan 1961). East Baton Rouge Parish also derives an abundance of water from the Mississippi River, the Amite River, the Comite River, and numerous other streams, ponds, and lakes (Charles, 1905).

The potentiometric surface for shallow groundwater at the site was measured using the onsite monitor wells. Figure 5 shows this surface in detail for the post-monitory periods. The estimated average hydraulic conductivity for the subject site was derived from a "slug test" performed on December 16, 1999.

Based on information obtained from the city of Baton Rouge Sewer Operations- General Administration Division, an underground sewer line runs from west to east beneath Perkins Road. According to groundwater level measurements recorded it appears that the groundwater beneath the site is flowing towards the south.

The average hydraulic gradient calculated from water level data was used in the development of the potentiometric contours presented on the groundwater flow map. The average hydraulic gradient across the site is approximately 0.03 feet per foot respectively. The steepness of this gradient is believed to be due to the hydraulic loading from perched shallow groundwater. An average hydraulic conductivity for this site was originally calculated using the data obtained from a slug test performed on monitor well MW-1. (See slug test). The rising head test performed on monitor well (MW-1) yielded a coefficient of permeability in the order of magnitude of 10^5 centimeters per second. Due to the fact that this site is located on a silty clay soil base, an average effective porosity of 36% is normal for this type of soil in this region.

1.2.6 Land Use

Currently, the facility property is being leased by Southdowns' Garden Center for retail of garden and patio artifacts along with seasonal plants and gifts. The former UST's have been removed and there is no current retail of fuel or automotive services on the site. The former UST tankhold is still open but has been fenced off with 8-foot security fencing.

Future land use has not been explicitly defined, but is expected to remain commercial/retail.

1.2.7 Groundwater Classification

Groundwater classification was determined by the current use of the site, the potential use of the site, maximum sustainable yield of the zone being monitored, and the total dissolved solids in the groundwater.

Current Use: A 1-½ mile radius water well survey was obtained from the Louisiana Department of Transportation and Development (La DOTD). (Please see Figure 3). This survey indicates that there are several domestic or public supply wells within the radius of the survey. In addition, CSI also conducted a 500' radius walking receptor survey. The following was observed during the survey:

North of site: Old residential area turning commercial. The North corner of the site is now used for a microwave tower. Interstate Highway 10 is only a couple of hundred feet north of the site, and the area on the other side of I-10 is also residential.

East across Cedardale: Commercial/residential with hair salon, frame shop, and restaurants.

South across Perkins: Residential.

West along Perkins: Commercial/retail with flower shop, barber's shop, hardware, and restaurants.

Potential Use: The groundwater at the site is flowing basically southward. It consists primarily of unconfined, and probably perched, shallow water that has a clay aquitard beginning about 8 to 10 feet below the ground surface. This clay zone minimizes the potential for shallow groundwater to migrate downward into a potential drinking water aquifer, the first of which is about 200 feet below ground.

Based on the available information, which includes a slug test in well MW-1, the shallow groundwater under the site is not considered to be a water source.

1.2.8 Identification of Underground Utilities

A gas line runs along Cedardale Avenue. A water line, a sanitary sewer conduit, a storm drainage system, and phone lines run along Perkins Road. Please see Figure 15 for all underground utilities within or adjacent to the site.

1.3 Site Ranking and Justification of Ranking

This site is ranked as a Priority 4--No demonstrable long-term threat to human health, safety, or sensitive environmental receptors.

1. Groundwater is impacted, however, local wells are located outside the known extent of the chemical of concerns and they produce from a non-impacted zone.
2. Impacted soils are located from 0 ft.-10 ft. below ground surface.
3. There is no impacted surface water, storm water, or groundwater that is discharging.
4. There are no explosive levels or concentrations of vapors that could cause acute health effects present in a residence or other building.
5. Free product is no longer sold or stored at the site. Only trace amounts in two monitoring wells have been measured during monitoring events.

Initial Response Action:

CSI removed the UST's at the site in December 1998. Following a Phase I and Limited Phase II Environmental Site Assessment of the site by others, CSI returned to the site September 1999 and installed five borings to assess the contamination of the substrata. These boreholes were converted to monitoring wells to assess potential groundwater contamination. Additional hand auger holes were made along Perkins Road and a sixth monitoring well was installed June 2000. Reports of all this activity has been prepared and submitted to LDEQ.

1.4 Identification of the RECAP Option

An Appendix K RECAP evaluation was performed for this site utilizing the results of the site investigation and other site-specific information.

In order to develop Appendix K UST RS, assumptions had to be made with regard to : (1) exposure potential at the AOC or the AOI (receptors, exposure pathways, exposure frequency and duration, intake rates, and cumulative exposures); and (2) site characteristics that influence constituent fate and transport (site size, soil characteristics, hydrogeological conditions, etc.). Risk-based and cross-media transfer criteria are protective only if the AOC or the AOI shares the

same (or reasonably similar) characteristics as those assumed in the development of the criteria. Therefore, the RS are only applicable at sites that are reasonably similar to the hypothetical site on which the RS are based. An AOC or an AOI that meets the criteria listed below is considered to be reasonably similar to the Appendix K hypothetical site and may be managed under Appendix K as described in this section.

An AOC or an AOI that meets the criteria presented below may be managed under Appendix K. Application of the Appendix K MO-2 RS at an AOC or an AOI that does not meet all of the criteria for management under MO-2 shall receive Department approval prior to submission of the MO-2 assessment.

The subject facility fulfills the following criteria for evaluation under the RECAP. Criteria are as follows:

- Contamination is present only in soil, groundwater, and potentially in air by volatilization from impacted soils. Contaminants are not present in surface water, sediment, or biota.
- No contaminants are discharging into a surface water body via groundwater.
- The area of soil and groundwater impact comprises a surface area of less than the default 0.5 acre used in the example.
- Contamination is in a declining condition. Since all UST's and piping have been removed, the contaminant mass will only decrease. Free product (NAPL) has been removed to the extent possible.
- A non-industrial scenario was used.
- There are no sensitive subpopulations on or near the AOI.
- Potential receptors are not expected to be exposed to a contaminant of concern from either soil and groundwater.
- There are no other potential exposure pathways other than ingestion of soil and/or groundwater, inhalation of vapors from disturbed soils, or dermal contact with the soil.
- There are no unusual current or future site conditions that may affect exposure potential. A completed ecological checklist is included in Section 8.0. The checklist indicates that no further ecological evaluation shall be required.
- There is no impacted groundwater beneath the on-site buildings.

1.5 Results of Previous RECAP Assessments

No previous RECAP assessments have been conducted at this site.

2.0 Site Investigation

2.1 Description of Site Investigation Activity

The site has been under investigation since October 1998. There have been several soil borings and monitoring wells installed, and groundwater has been monitored quarterly since September 1999. A detailed history of the investigation activities is provided in Section 1.1.

2.2 Site Investigation Results

The following is provided as a result of review of the sampling and analysis performed during site investigation activities.

Soil:
Based on the analytical results obtained from site assessments, it appears that shallow soil contamination is present in a small area located south of the former pump islands, adjacent to, and possibly extending under Perkins Road.

Groundwater:

Benzene Plume:

A contamination plume has been plotted for each quarterly sampling event. Please refer to Figure 7, 8A and 8B.

Total BTEX Plume:

A contamination plume has been plotted for each quarterly sampling event. Please refer to Figure 7, 8A, and 8B.

Free Product Conditions

Free product was observed in monitoring wells MW-3 and MW-4 on September 29, 2000 with thicknesses of 0.81 feet and 0.96 feet respectively. Since the source of contamination has been removed, this residual is being flushed from contaminated soil by fluctuating groundwater levels.

2.3 Data Evaluation/Usability

Analytical Method:

All results from samples submitted to the laboratory were generated using approved EPA methods. Since this site was impacted by petroleum hydrocarbons, which were released from a UST system, appropriate analytical methods were determined based on that information. Various soil and groundwater samples were analyzed for the presence of MTBE and BTEX using EPA Method 8021B (SW-846, 3rd Edition), and TPH-G using EPA Method 8015B (SW-846, 3rd Edition).

Sample Quantitation Limits:

All sample quantitation limits reported for the sampling events to date were at or below RECAP requirements.

Blank Samples:

Sampling blanks were used during each sampling event. All blank samples were non-detect.

3.0 Identification of the Area of Investigation (AOI) and Constituents of Concern (COCs)

3.1 Identification of the Area of Investigation (AOI) and the methods used to delineate the AOI

The area of investigation (AOI) is shown in Figure 16 as the area extending from the tankhold east to the edge of the pavement, and from the existing building south to Perkins Road.

Soil:

A limited Phase II Environmental Site Assessment was performed by Ellis Environmental Consultants, L.L.C. in March 1999. Five geoprobe borings were made ranging from 4-7 feet below ground surface. There appeared to be contamination in this upper soil zone. In September 1999, CSI drilled five additional boreholes 15-16 feet bgs using a continuous hollow-stem auger drill rig. Each CSI boring was continuously sampled on 2-foot centers with each sample monitored for organic vapors. A resulting area of contaminated soil was developed as shown on Figures 10, 12, and 13.

Groundwater:

Groundwater samples were taken from each boring made as free water was encountered. The five borings by CSI were converted to monitoring wells and have been sampled on a quarterly basis ever since. In June 2000, one additional monitoring well was installed by CSI and included in the quarterly sampling process. A contaminated groundwater plume has been developed based on analytical results from each quarterly sampling event. These plumes are shown on Figure 7.

3.2 Identification of the COCs for each impacted medium and methods used to identify the COCs

CSI has identified the depth of impact to be less than 15 feet at this site. The site is being evaluated in this assessment as a non-industrial (residential) site in attempt to minimize the potential for deed restrictions for the property. The following list shows the indicator compounds, hydrocarbon fractions, and hydrocarbon mixtures for gasoline releases:

Benzene
Toluene
Ethylbenzene
Xylene
Lead (inorganic) *
Methyl Tertiary Butyl Ether *
Methyl ethyl ketone *
Methyl isobutyl ketone *
Aliphatics > C_6-C_8 **
Aliphatics > C_8-C_{10} **
Aliphatics > C_{10}-C_{12} **

Aromatics > C_8-C_{10} **
Aromatics > C_{10}-C_{12} **
TPH-GRO C_6-C_{12} ***

* When suspected to be present.
** TPH-GRO may be used instead of these.
*** Fractional Aliphatics and Aromatics may be used instead of TPH-GRO.

The following list of constituents was identified for surface soils and potential surface soils. Based on the analytical data collected, these soils may serve as a source media.

COC	Location	Maximum Concentration in Soil (ppm)	Target Organs/Systems
Benzene	MW-4 6'-8'	11.0	blood, CNS, skin, bone marrow, eyes, resp system
Toluene	MW-4 6'-8'	70.0	CNS, liver, kidneys, skin
Ethyl benzene	MW-3 2'-4'	31.0	eyes, upper resp system, skin CNS
Xylene	MW-3 2'-4'	130.0	CNS, eyes, GI tract, blood, liver, kidneys, skin
TPH-G	MW-3 2'-4'	1800.0	kidneys, liver, hematological system, decreased body weight
MTBE	MW-4 10'-12'	0.420	CNS, kidneys, liver, GI tract, skin

The following list of constituents were identified for groundwater:

COC	Location	Maximum Concentration in Groundwater (ppm)	Target Organs/Systems
Benzene	MW-4	25.0	blood, CNS, skin, bone marrow, eyes, resp system
Toluene	MW-4	51.0	CNS, liver, kidneys, skin
Ethyl benzene	MW-4	4.4	eyes, upper resp system, skin CNS
Xylene	MW-4	24.0	CNS, eyes, GI tract, blood, liver, kidneys, skin
TPH-G	MW-4	270.0	kidneys, liver, hematological system, decreased body weight
MTBE	MW-4	10.0	CNS, kidneys, liver, GI tract, skin

4.0 Exposure Assessment

4.1 Identification of current and future land use at and in the vicinity of the AOI

Current Land Usage: Currently, the property is leased to a garden center and the UST's have been removed from the site.

Future Land Usage: The current owner would like to sell the property for commercial use.

4.2 Identification of the groundwater classification, Point Of Compliance (POC), and Point Of Exposure (POE)

For groundwater to meet the definition of a Groundwater Classification 3A, the maximum sustainable yield must be less than 800 gpd and/or total dissolved solids (TDS) of the water must be less than 10,000 mg/L. A maximum sustainable yield of less than 100 gpd was estimated at this site and a TDS of 282 mg/L was measured in MW-1 providing justification for a Groundwater Classification 3A (GW3). Also, the groundwater is further classified as a non-drinking water (NDW) source. In order to determine this, the nearest surface-water body that may receive discharge from the groundwater zone to be protected, was identified. The surface water body located south of the site is University Lake by Louisiana State University. University Lake has designated uses of primary contact recreation, secondary contact recreation, and propagation of fish and wildlife. Since this lake is considered to be a non-drinking water source, the groundwater at this site was placed into the GW3NDW category.

The following is the POC and POE for the AOI:

MW-4 to University Lake = 2000 ft. (default)

4.3 Development of a conceptual model

A conceptual site model (CSM) was developed that took into account potentially sensitive receptors that included adjacent residential properties and several plant and animal receptors. Presently, receptors are not coming into contact with source media. However, if excavation activities would be conducted at the site, receptors could come in contact with the source media through exposure routes such as dermal contact, ingestion, and inhalation.

Exposure Media - includes currently impacted media to which receptors are being exposed or may be exposed or through which COC's may be transported to potential receptors and currently unimpacted media that may become impacted in the future due to COC transport.

The exposure media at this site is the soil. Exposure media are not currently coming in contact with any receptors. However, if excavation activities would occur construction workers could be exposed to the soil.

Source Media - includes currently impacted media that may result in transfer of constituents to another medium.

The source media at this site is the soil and groundwater.

Exposure Points - are identified by determining if and where the known or potential receptors may come in contact with an exposure medium.

Receptors could come in contact with the soil and groundwater if the contaminated area were excavated. The exposure routes would be through dermal contact, ingestion, and/or inhalation.

Exposure Pathways - are identified based on the anticipated receptor activities at the exposure points. (Current and future)

Currently receptors are not coming in contact with the source media (soil and groundwater). If excavation activities would occur, construction workers (receptors) could be in contact with the soil and groundwater. The exposure route would be dermal contact, inhalation, and ingestion.

Please see Figure 14 for the Conceptual Site Model.

5.0 Identification of the RECAP Standards (RS)

5.1 Identification of the RS for each impacted medium and adjustment for additivity

This site is being evaluated in accordance with Appendix K of RECAP since it is a typical UST project.

Identification of the land use scenario:

This site was once an active gasoline station and now is used as a Garden Center retail outlet. The site was evaluated as non-industrial (residential) and qualifies for no deed restrictions.

Identify the appropriate soil concentration protective of groundwater based on the classification of groundwater to be protected:

The groundwater at this site was categorized as a GW3NDW source. Please see section 1.2.7 of this report for additional information on the methods that were used to classify the groundwater.

Determine the distance from the POC to the POE:

According to groundwater level measurements recorded in the monitor wells, it appears that the groundwater beneath this site is flowing towards the south. According to a USGS Quadrangle map for the Baton Rouge West, LA, the nearest body of water to the site is University Lake and it is over 2000 feet away.

Identify the appropriate Appendix K Parameters:

Parameter	Value
F_{OC}	0.0172
POC to POE	2000' (default)
Source width	30'
Source length	65'
Dilution Factor	724.0
Category	11

5.2 Identification of the limiting RS for each impacted medium from Appendix K Category 11 tables (source 65 feet, f_{OC}=0.02)

Standards for Soil:

Compound	Limiting $Soil_{NI}$ (ppm)	Limiting GW3NDW Groundwater (ppm)
Benzene	2.3	246.1
Toluene	1,100	520
Ethyl benzene	2,200	230
Xylene	19,000	150
TPH-G	900	10,000
MTBE	8,300	9,800

Standards for Groundwater:

Compound	Limiting GW3NDW Groundwater (ppm)
Benzene	9.41
Toluene	530
Ethyl benzene	170
Xylene	160
TPH-G	22,444
MTBE	51,000

6.0 Comparison of the RECAP Standard with the Exposure and/or Source Concentrations

The RECAP document states that the 95% Upper Confidence Limit (UCL) or the highest measured concentration within the Area Of Investigation (AOI) can be used in the calculation of the exposure and source concentrations. CSI has used the highest measured concentration within the AOI.

Soil Limiting RECAP Standard Comparison:

Compound	Soil RECAP Standard (ppm)	Maximum Detected Constituent Concentrations (ppm)
Benzene	2.3	**11.0**
Toluene	520	70.0
Ethyl benzene	230	31.0
Xylene	150	130.0
TPH-G	900	**1800.0**
MTBE	8,300	0.420

Groundwater Limiting RECAP Standard Comparison:

Compound	Groundwater RECAP Standard (ppm)	Maximum Detected Constituent Concentrations (ppm)
Benzene	9.41	**25.0**
Toluene	530	51.0
Ethyl benzene	170	4.4
Xylene	160	24.0
TPH-G	22,444	270.0
MTBE	51,000	10.0

7.0 Conclusions and Recommendations

7.1 Identification of the areas/media/COCs requiring further action

After comparing the analytical results to the Appendix K RECAP standards, it was determined that contaminated soil in the vicinity of the dispenser islands will require further action. Concentrations are above the soil limiting RECAP standards of 2.3 ppm and 900 ppm for benzene and TPH-G, respectively. The highest concentration of benzene in the groundwater beneath the site was 25 ppm, which was reported in well MW-4. This concentration is above the limiting RECAP standard for benzene of 9.41 ppm.

7.2 Proposed plan of action for the AOI

A Corrective Action Plan will be developed to excavate surface soil and potential surface soil within the source area, and to remediate the contaminated groundwater. In order to confirm that all contamination has been removed, soil samples will be collected from the walls and from the floor of the excavation. Upon determination that all confirmation samples are below RECAP standards, CSI will backfill the excavation and request that this site be granted the status of no further action at this time. It is CSI's understanding that since all limiting RECAP standards for this site were determine using a non-industrial land use scenario (residential), institutional controls and deed restrictions will not be required.

8.0 Ecological Checklist

Section 1 - Facility Information

1. Name of facility: Marabella's 66

2. Location of facility: Baton Rouge, Louisiana
   Parish: East Baton Rouge

3. Mailing Address: 3155 Perkins Road Baton Rouge, LA

4. Type of Facility: Previous Gasoline Station & Automobile Repair Shop

5. Describe land use at and in the vicinity of the release site: A gasoline station once operated at this site. Commercial and residential properties are located within the vicinity of the site.

6. If available, attach a USGS topographic map of the facility and /or aerial or other photographs of the release site and surrounding areas. (see Figure 1 for a regional USGS topographic map of the site.)

Section 2 - Surrounding Land Use Information

1. Describe land use adjacent to the facility: The site is located in a commercial and residential area of the city of Baton Rouge. The site is bounded by Cedardale Avenue to the northeast and Perkins Road to the southwest. Light retail/commercial buildings surround the site. Across Perkins Road is Southdowns subdivision, one of Baton Rouge's older, Garden District residential subdivisions.

2. Provide the following information regarding the nearest surface water body:

   Name of the surface water body: University Lake/ Bayou Duplantier (South)

   Type of surface water body (pond, lake, river, etc.): Lake/Bayou

   Designated use of the segment/subsequent of the surface water body (LAC 33:IX):
   Primary contact recreation, secondary contact recreation, propagation of fish, and wildlife.

3. Do any potentially sensitive environmental areas exist adjacent to or in proximity to the site, e.g., Federal and State parks, National and State monuments, wetlands, etc? No

Section 3- Release Information

1. Nature of the release: The exact date of the release is not known, however, the release was detected when a limited site assessment was performed in April 1999.

2. Location of the release (within the facility): Gasoline had been released over a number of years from the dispenser island areas.

3. Location of the release with respect to the facility property boundaries: The contamination appears to be contained to the site boundaries except to the south. The contaminated groundwater plume appears to have migrated offsite towards Perkins Road.

4. Constituents known and/or suspected have been released: benzene, toluene, ethylbenzene, and xylene (BTEX), and Total Petroleum Hydrocarbons as Gasoline (TPH-G).

5. Indicate which media are known or suspected to be impacted and if sampling data are available:

soil 0-3 feet bgs	[x]yes	[ ]no
soil 0-15 feet bgs	[x]yes	[ ]no
soil >15 feet bgs	[ ]yes	[x]no
groundwater	[x]yes	[ ]no
surface water/sediment	[ ]yes	[x]no

6. Has migration occurred outside the facility property boundaries? [x] yes [ ]no
   If yes, describe the designated use of the offsite land impacted: The migration south is towards Perkins Road with numerous utility lines adjacent to the facility property.

Section 4- Criteria for Further Assessment

If the AOI meets all of the criteria presented below, then typically no further ecological evaluation shall be required. If the AOI does not meet all of the criteria, then a screening level ecological risk shall be conducted. The Submitter should make the initial decision regarding whether or not a screening level ecological risk assessment is warranted based on compliance of the AOI with criteria listed below. After review of the ecological checklist and other available site information, the Department will make a final determination on the need for a screening level ecological risk assessment. If site conditions at the AOI change such that one or more of the criteria are not met, then a screening level ecological risk assessment shall be conducted.

Indicate if the AOI meets the following criteria:

1. The area of impacted soil is approximately 1 acre or less in size. [x] yes [ ]no

2. There is no current release or demonstrable long-term threat of release (via runoff or groundwater discharge) of COCs from the AOI to a surface water body. [x] yes [ ] no

3. Recreational species, commercial species, threatened or endangered species, and /or their habitats are not currently being exposed, or expected to be exposed, to COCs present at or migrating from the AOI. [x] yes [ ]no

4. There are no obvious impacts to ecological receptors or their habitats and none are expected in the future. [x] yes [ ]no

Further ecological evaluation is required at this AOI: [ ]yes [x] no

Section 5 - Site Summary

The ecological checklist submittal shall include a site summary, which presents sufficient information to verify that the AOI meets or does not meet the criteria for further assessment.

After comparing all analytical results to the limiting Appendix K RECAP standards, it was determined that contaminated soil in the vicinity of the dispenser islands may require further action. Corrective action could be the excavation of the contaminated surface soils and potential surface soils and the remediation of the contaminated groundwater within the area of concern.

Section 6 - Submitter Information

Date: December 30, 2000

Name of person submitting this checklist: Ronnie Cook

Affiliation: Consultant

Signature: _____ Date: 12/30/2000

FIGURES

1--Regional Topographic Map
2--Regional Site Map Including Adjacent Properties
3--Sensitive Receptor – Water Well Survey Map (1.5 mile radius)
4--Site Plan Map
5--Potentiometric Map(s) – Last Four Quarters
6A--Potentiometric Map - (9/29/00)
6B--Potentiometric Map - (12/30/00)
7--Groundwater Concentration Map(s) – Last Four Quarters
8A--Groundwater Benzene/Total BTEX Concentration Map – (9/29/00)
8B--Groundwater Benzene/Total BTEX Concentration Map – (12/30/00)
9A--Free Product Thickness Map – (12/30/00)
9B--Free Product Thickness Map – (9/29/00)
10--Soil Hydrocarbon Concentration Map – September 21, 1999
12--Soil Hydrocarbon Concentration Map – June 8, 1999
13--Soil Hydrocarbon Concentration Map – June 29, 1999
14--Conceptual Site Model
15--Site Plan Map with Location of Underground Utilities
16--Area of Investigation (AOI) Map

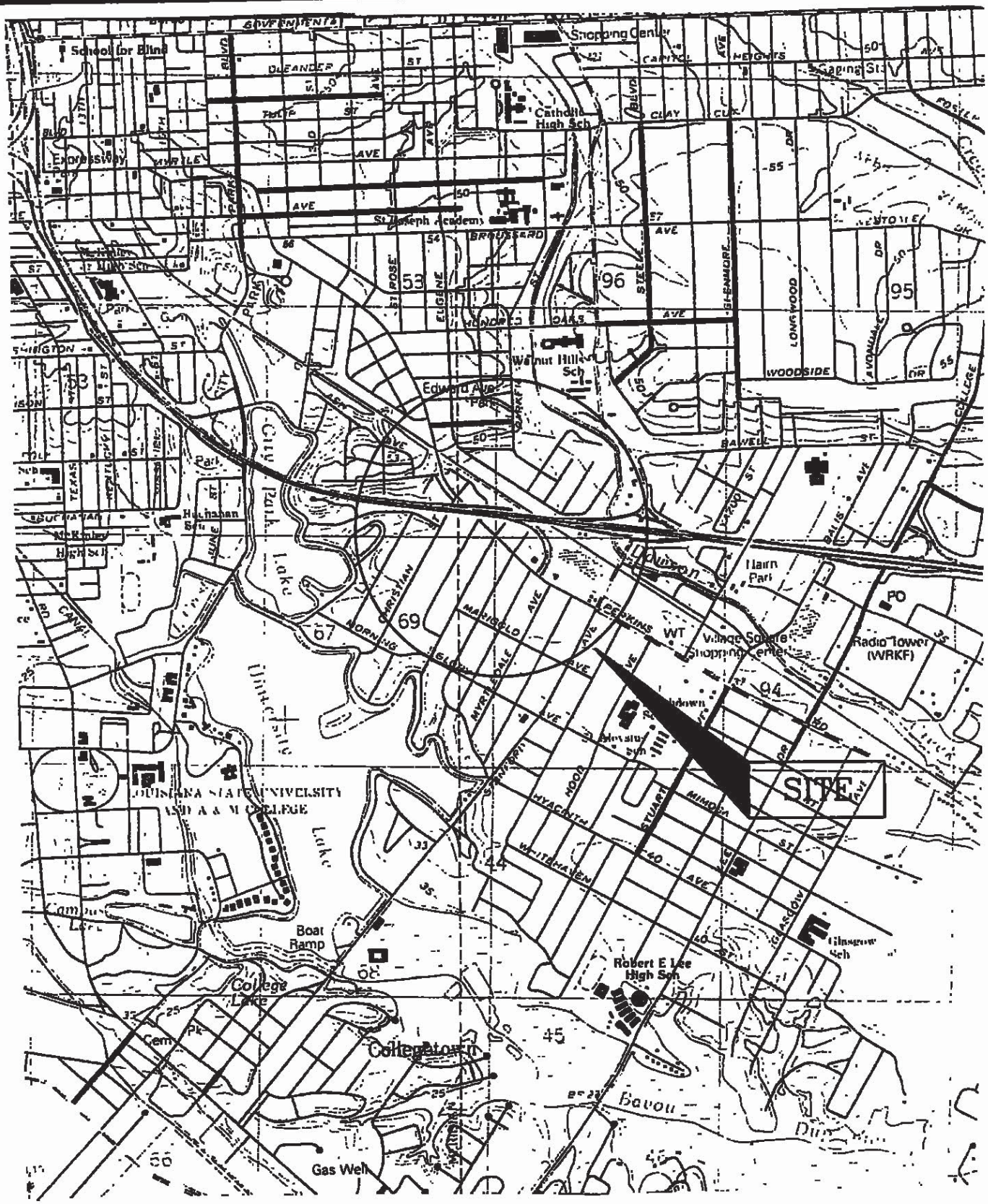
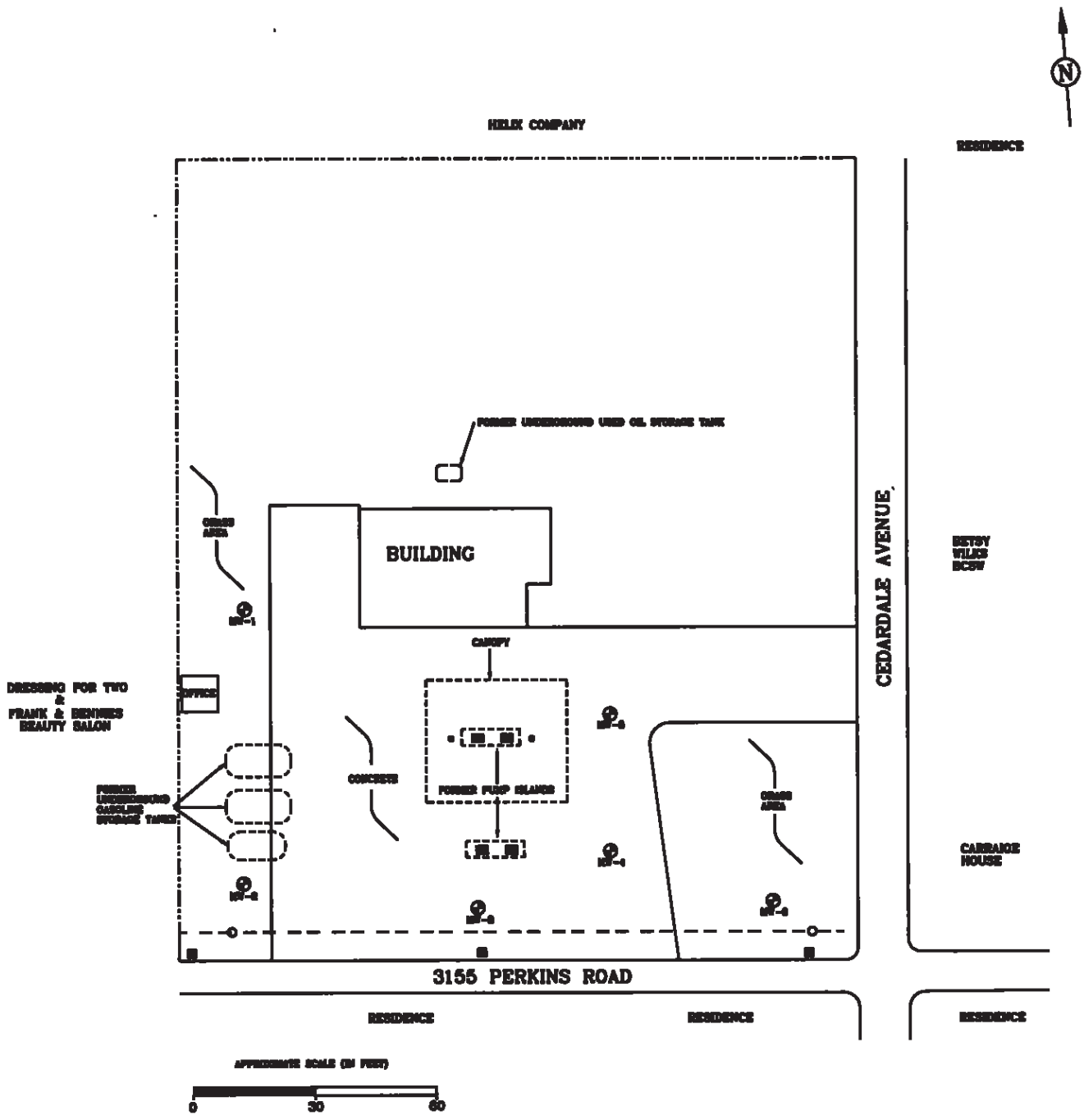


FIGURE 1 – Regional Topographic Map (9/21/99) **FACILITY ID NO. 17-013437**	**COOK-SMITH, INC.** ENVIRONMENTAL SERVICES	**Marabella's 66 (Lill's Car Care)** **3155 Perkins Road** **Baton Rouge, Louisiana**
	P.O. BOX 80206	DRAWN BY: BBS
SOURCE: USGS 7.5' BATON ROUGE WEST QUADRANGLE	**BATON ROUGE, LOUISIANA**	DATE: SEPTEMBER 21, 1999



LEGEND

- O - UTILITY POLE
- ● - CANOPY SUPPORT POST
- ⊞ - STORM DRAIN
- – – – – ABOVEGROUND ELECTRIC LINE
- ——·—— - APPROXIMATE PROPERTY LINE
- ⊕ - MONITORING WELL LOCATION

NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnal observations.

Drawing not to scale.

FIGURE 2 – Regional Site Map Including Adjacent Properties (12/28/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 28, 2000

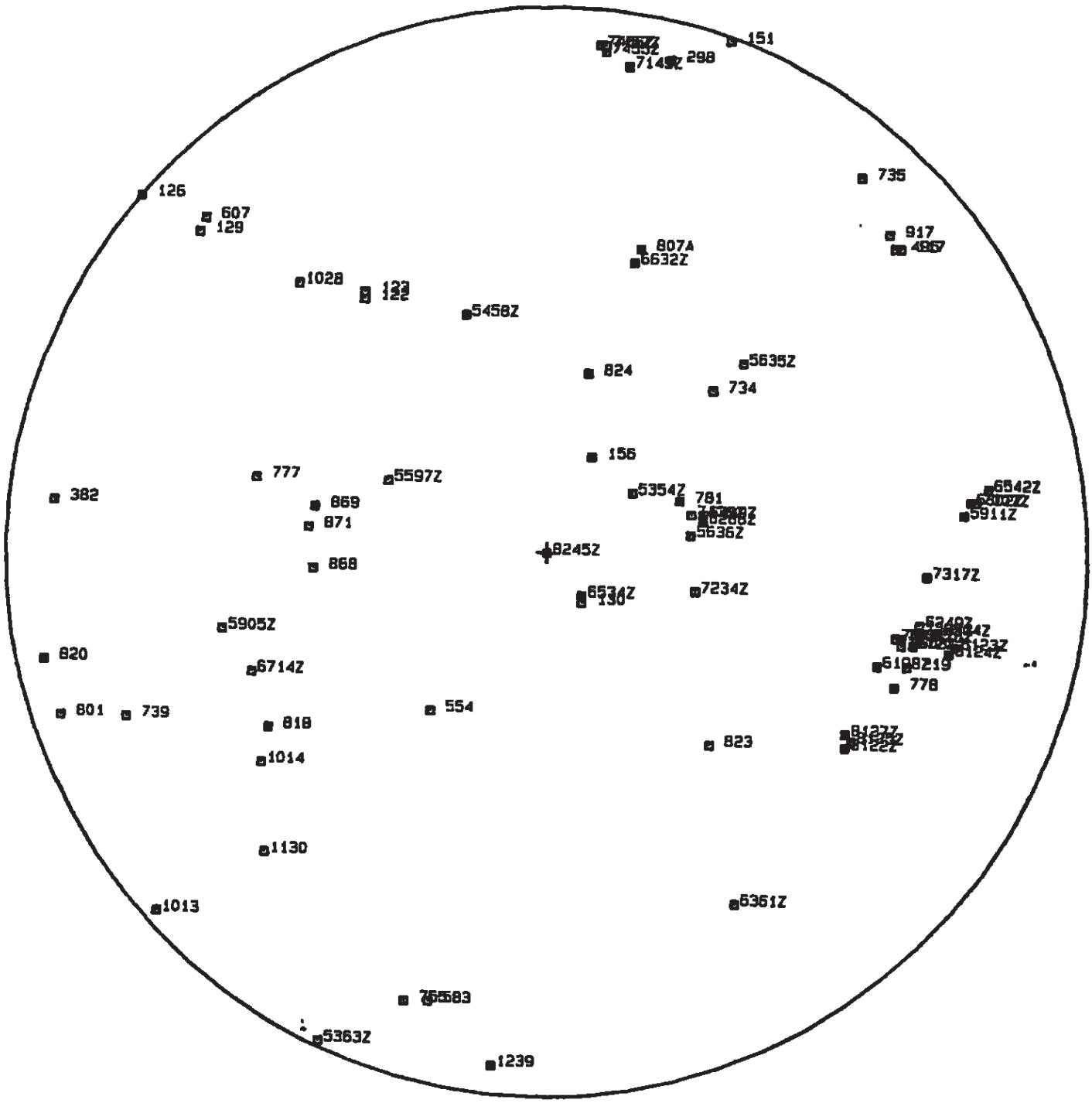
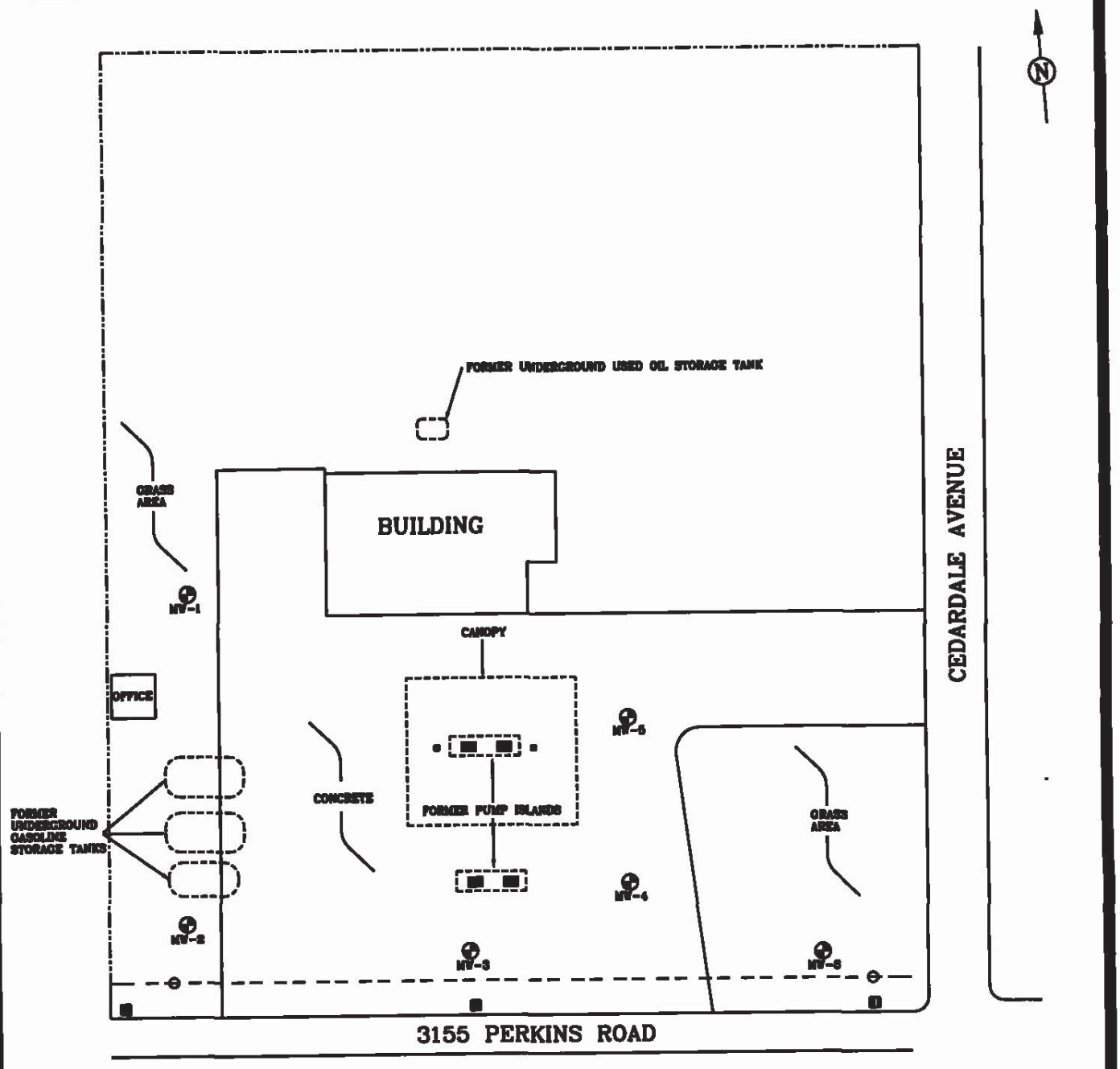


FIGURE 3 – Sensitive Receptor – Water Well Survey Map (1.5 Mile Radius)	COOK-SMITH, INC.	Marabella's 66 (Lill's Car Care) 3155 Perkins Road Baton Rouge, Louisiana
FACILITY ID NO. 17-013437	P.O. BOX 80206	
SOURCE: USGS WATER WELL SURVEY AT LATITUDE 30°25'07" AND LONGITUDE 91°09'06"	BATON ROUGE, LOUISIANA	DATE: SEPTEMBER 21, 1999



NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

REF: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1982, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 4 – Generalized Site Plan Map of the Marabella's 66 (Lill's Car Care) Facility Located at 3155 Perkins Road in Baton Rouge, East Baton Rouge Parish, Louisiana
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 28, 2000

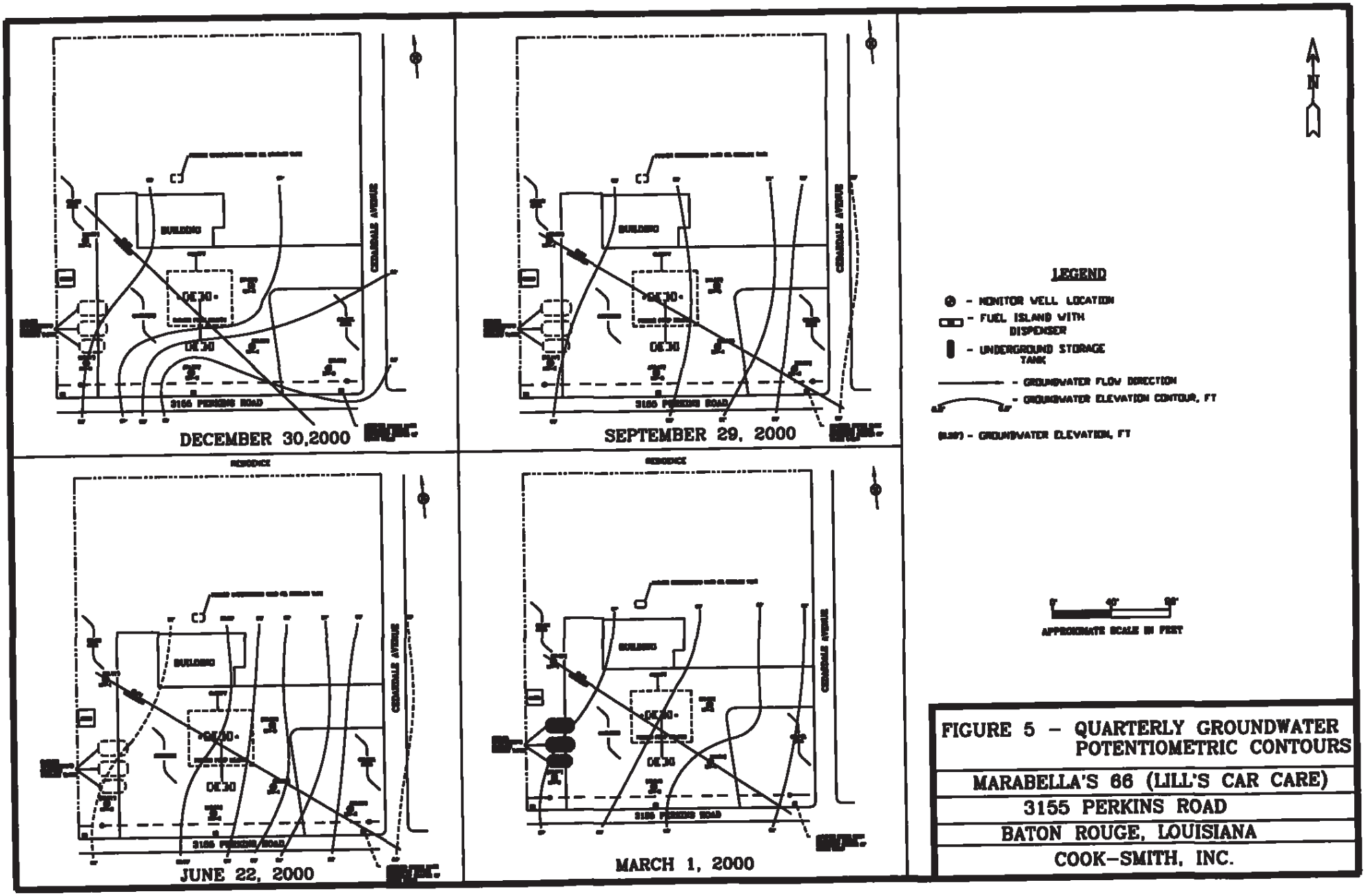


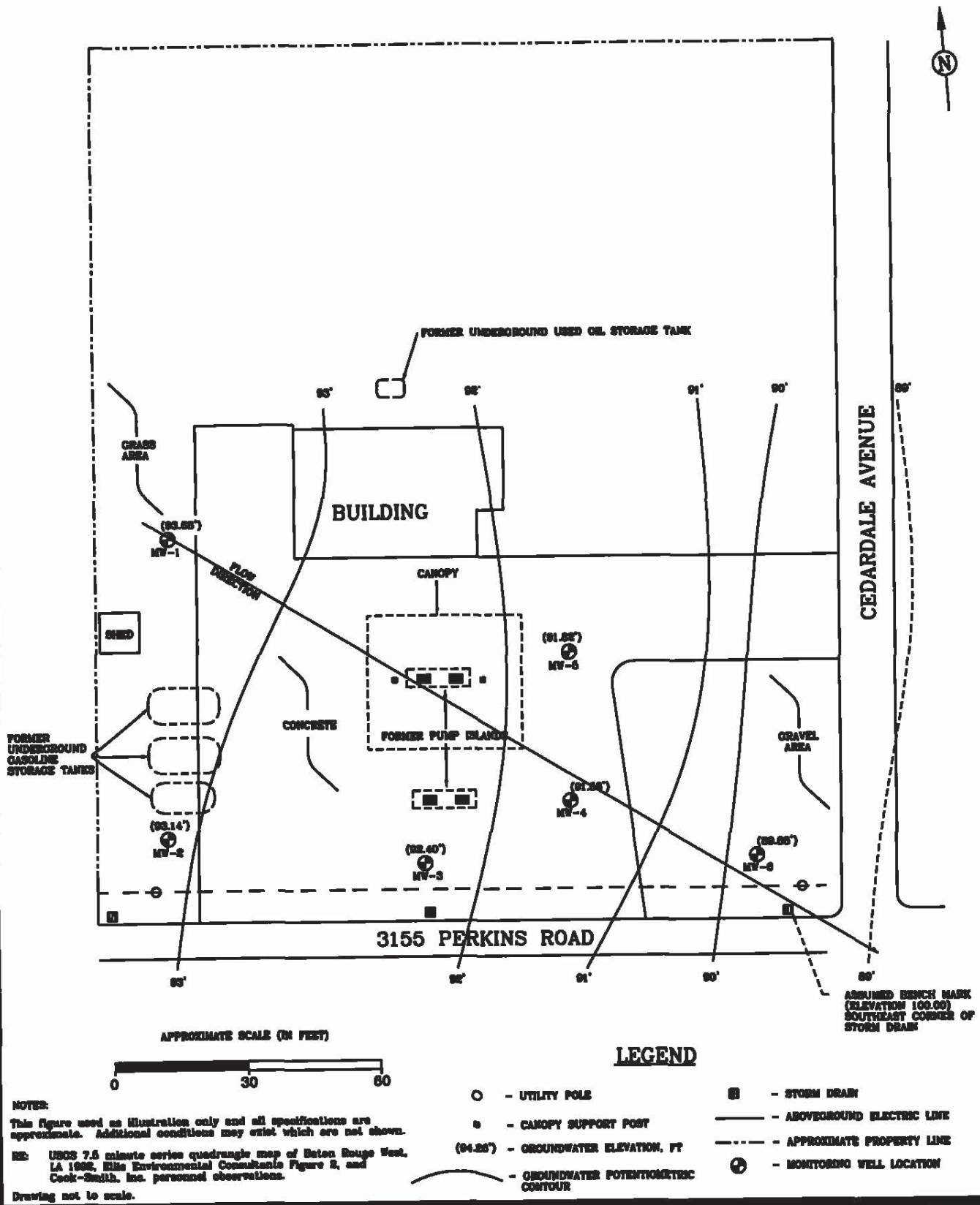
FIGURE 5 – QUARTERLY GROUNDWATER POTENTIOMETRIC CONTOURS

MARABELLA'S 66 (LILL'S CAR CARE)

3155 PERKINS ROAD

BATON ROUGE, LOUISIANA

COOK–SMITH, INC.



NOTES:

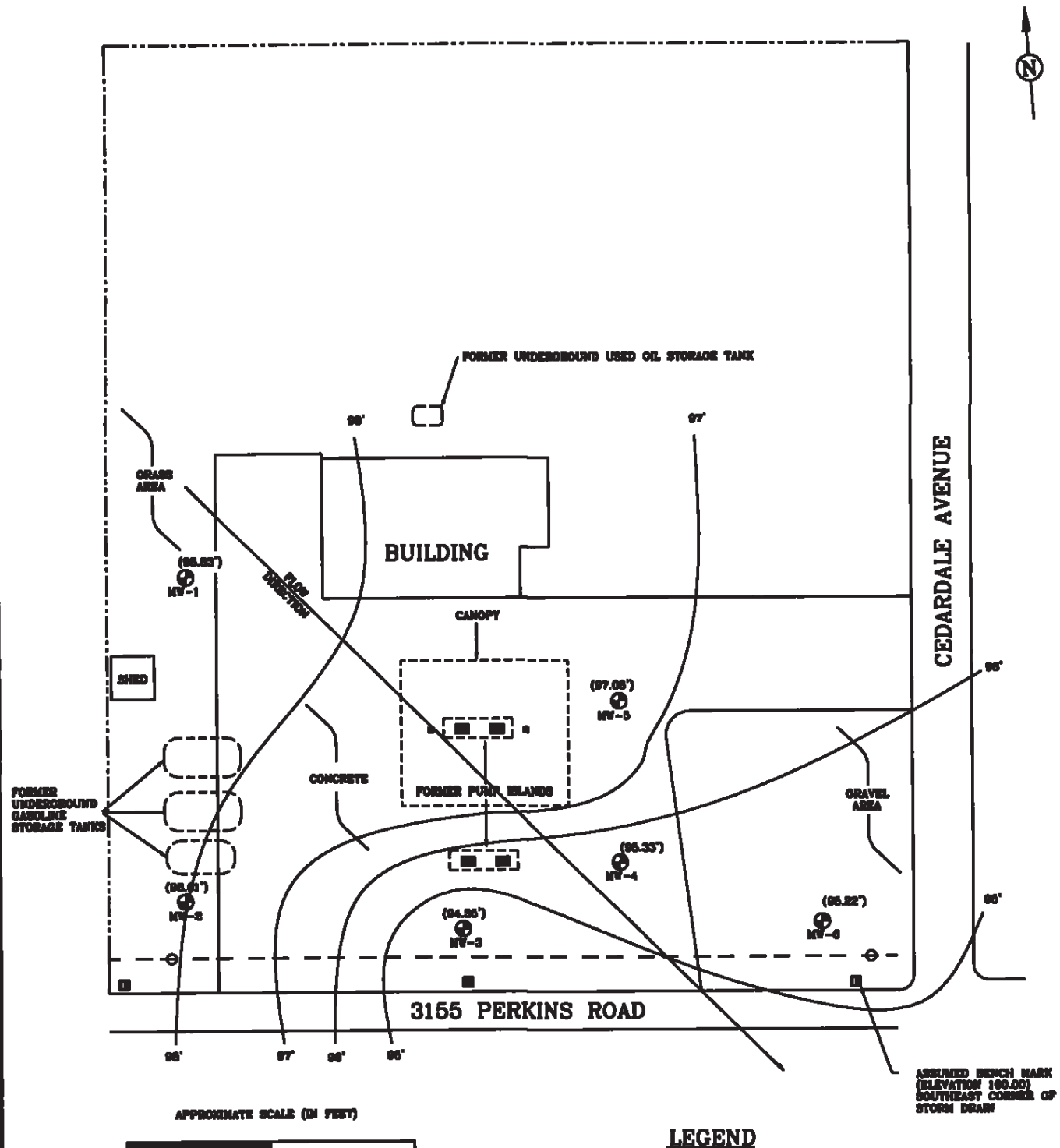
This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 6A – Potentiometric Map (9/29/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	SEPTEMBER 29, 2000



NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Hills Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 6B – Potentiometric Map
(12/30/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 30, 2000

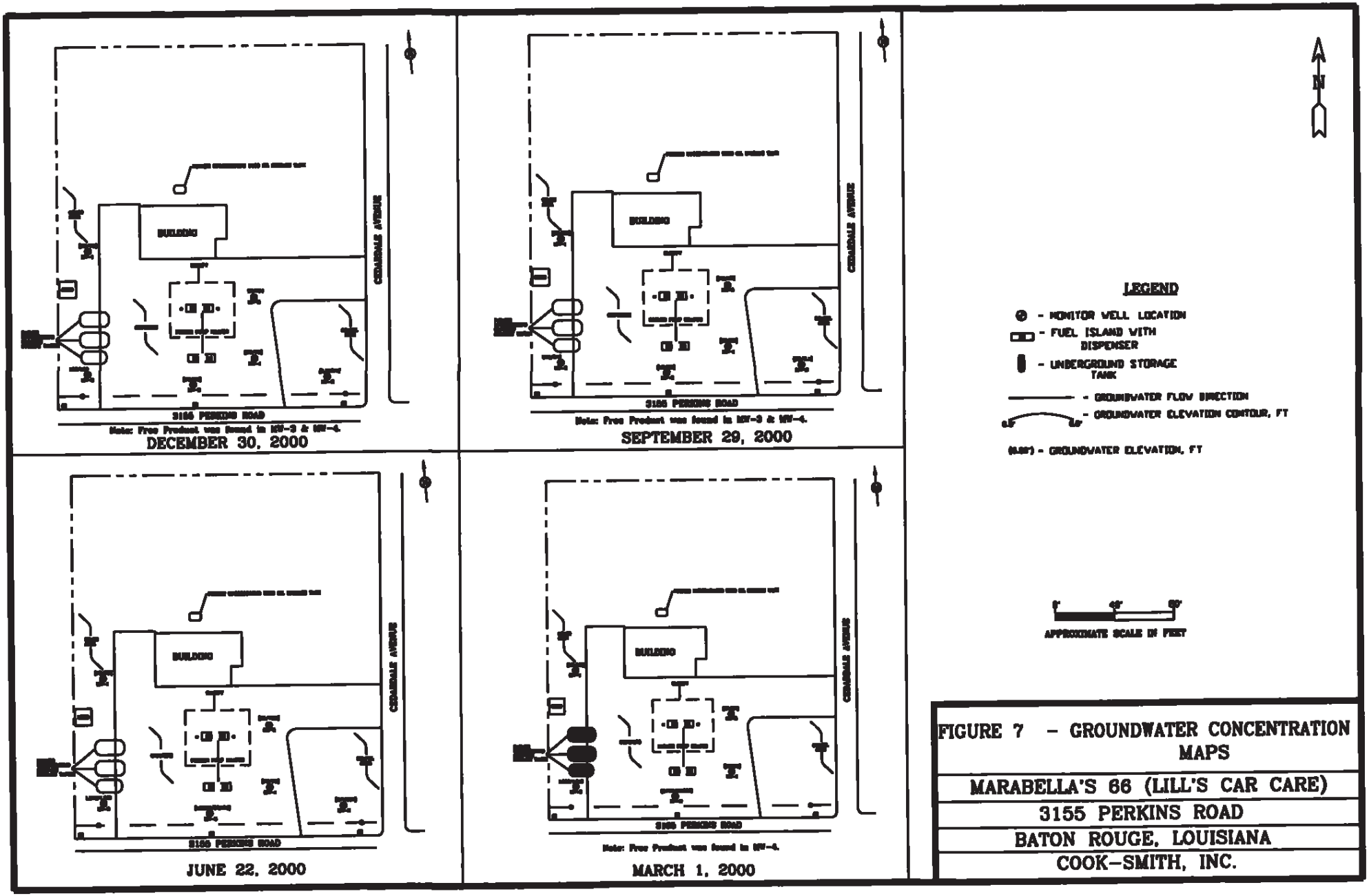


FIGURE 7 – GROUNDWATER CONCENTRATION MAPS

MARABELLA'S 66 (LILL'S CAR CARE)

3155 PERKINS ROAD

BATON ROUGE, LOUISIANA

COOK–SMITH, INC.

Note: Free Product was found in MW-3 & MW-4.

APPROXIMATE SCALE (IN FEET)

0 30 60

LEGEND

- ○ - UTILITY POLE
- ● - CANOPY SUPPORT POST
- [ND] - NOT DETECTED
- [NS] - NOT SAMPLED DUE TO FREE PRODUCT
- [3,000/10,800] - BENZENE/TOTAL BTEX CONCENTRATION IN ppb
- ▣ - STORM DRAIN
- — — — - ABOVEGROUND ELECTRIC LINE
- —··— - APPROXIMATE PROPERTY LINE
- ⊕ - MONITORING WELL LOCATION

NOTES:

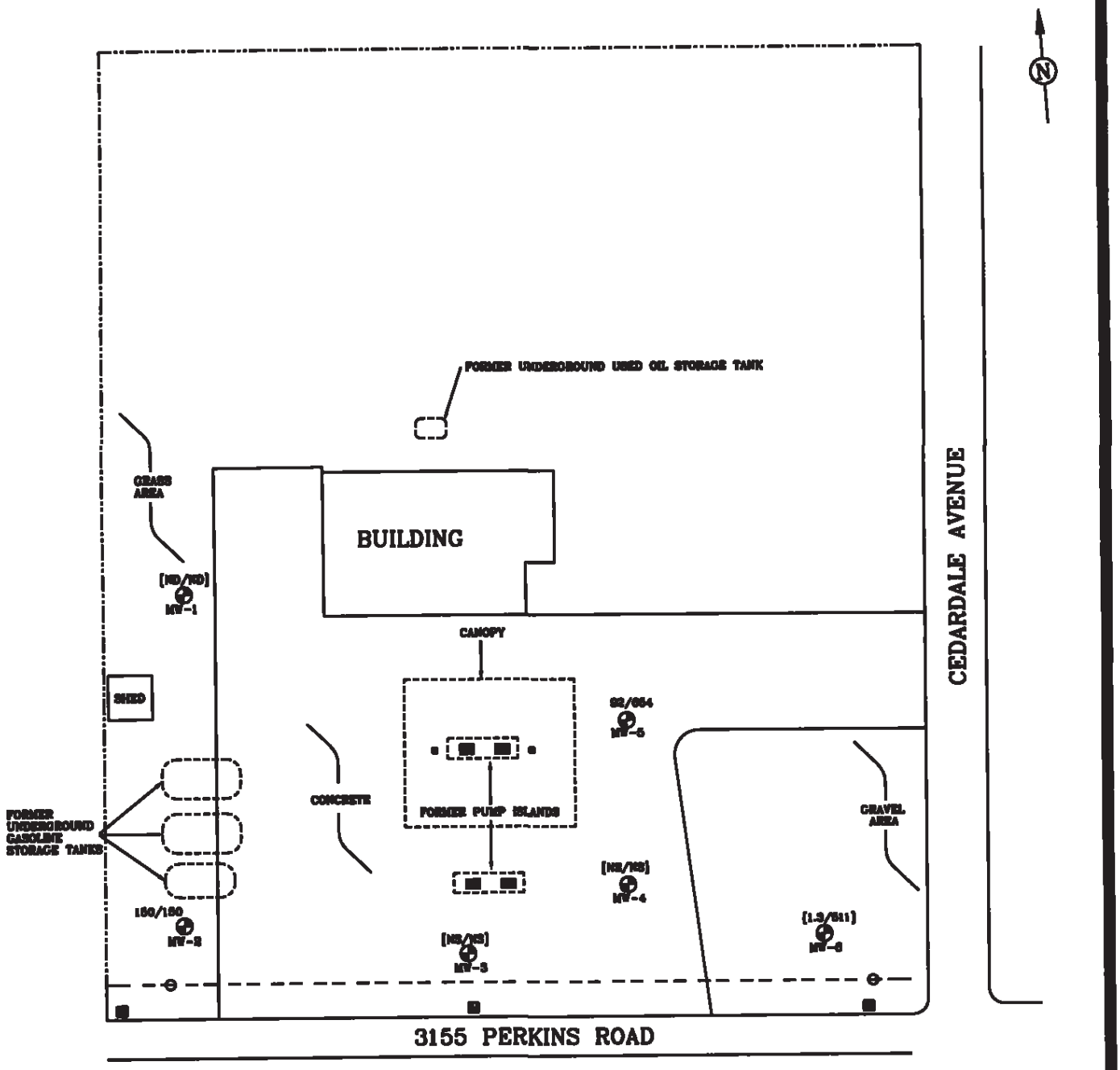
This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 8A - Groundwater Benzene/Total BTEX Concentration Map (9/29/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	SEPTEMBER 29, 2000



Note: Free Product was found in MW-3 & MW-4.

APPROXIMATE SCALE (IN FEET)

0 30 60

NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1982, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

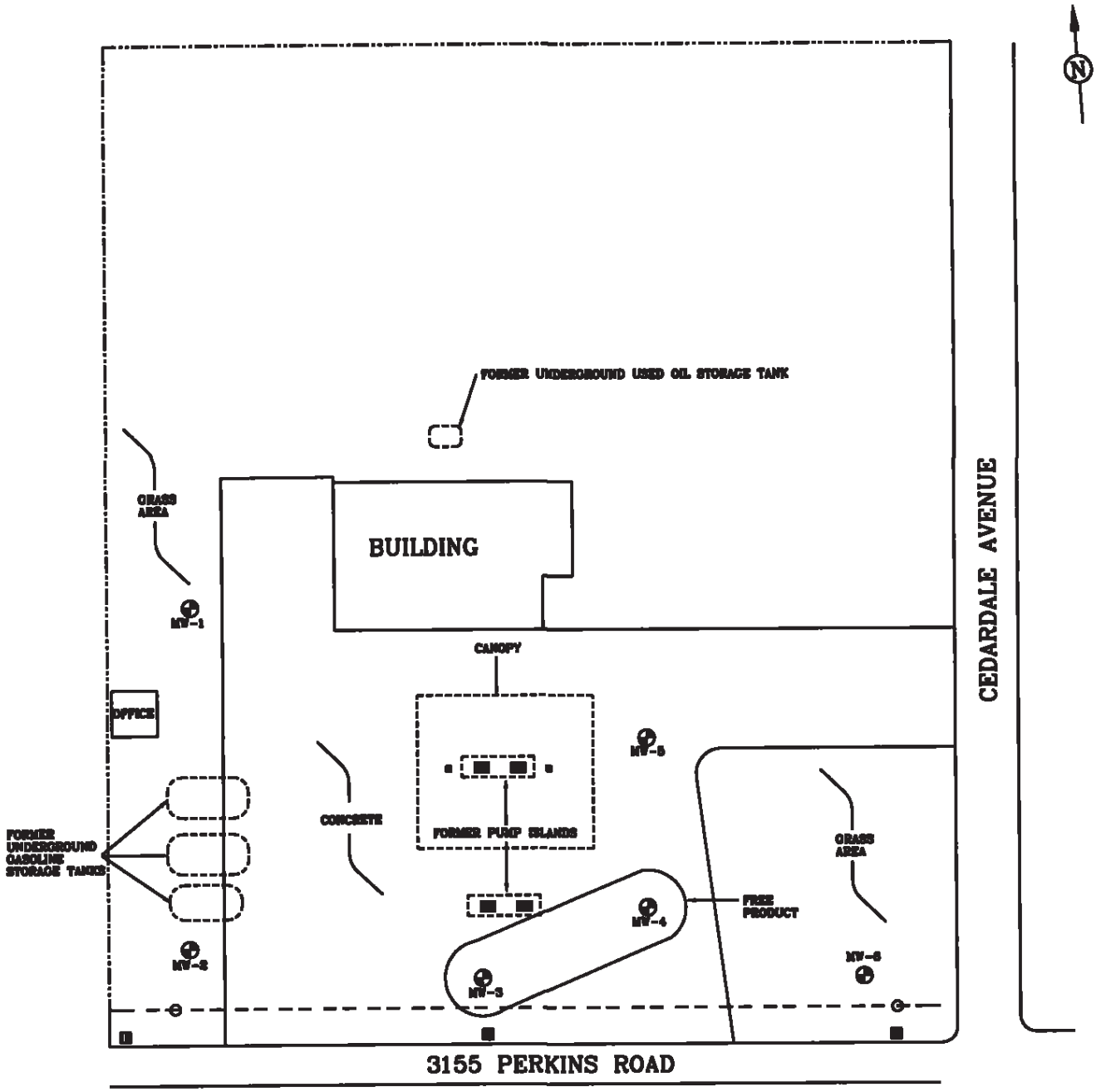
Drawing not to scale.

LEGEND

- O – UTILITY POLE
- ● – CANOPY SUPPORT POST
- [ND] – NOT DETECTED
- [NS] – NOT SAMPLED DUE TO FREE PRODUCT
- [3,000/10,800] – BENZENE/TOTAL BTEX CONCENTRATION IN ppb
- ▣ – STORM DRAIN
- – – – ABOVEGROUND ELECTRIC LINE
- —·—·— – APPROXIMATE PROPERTY LINE
- ⊕ – MONITORING WELL LOCATION

FIGURE 8B – Groundwater Benzene/Total BTEX Concentration Map (12/30/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 30, 2000



Note: Free Product measured at MW-4 at thickness of 0.15 feet.
Free Product measured at MW-3 at thickness of 0.20 feet.

APPROXIMATE SCALE (IN FEET)

0 30 60

NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1968, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

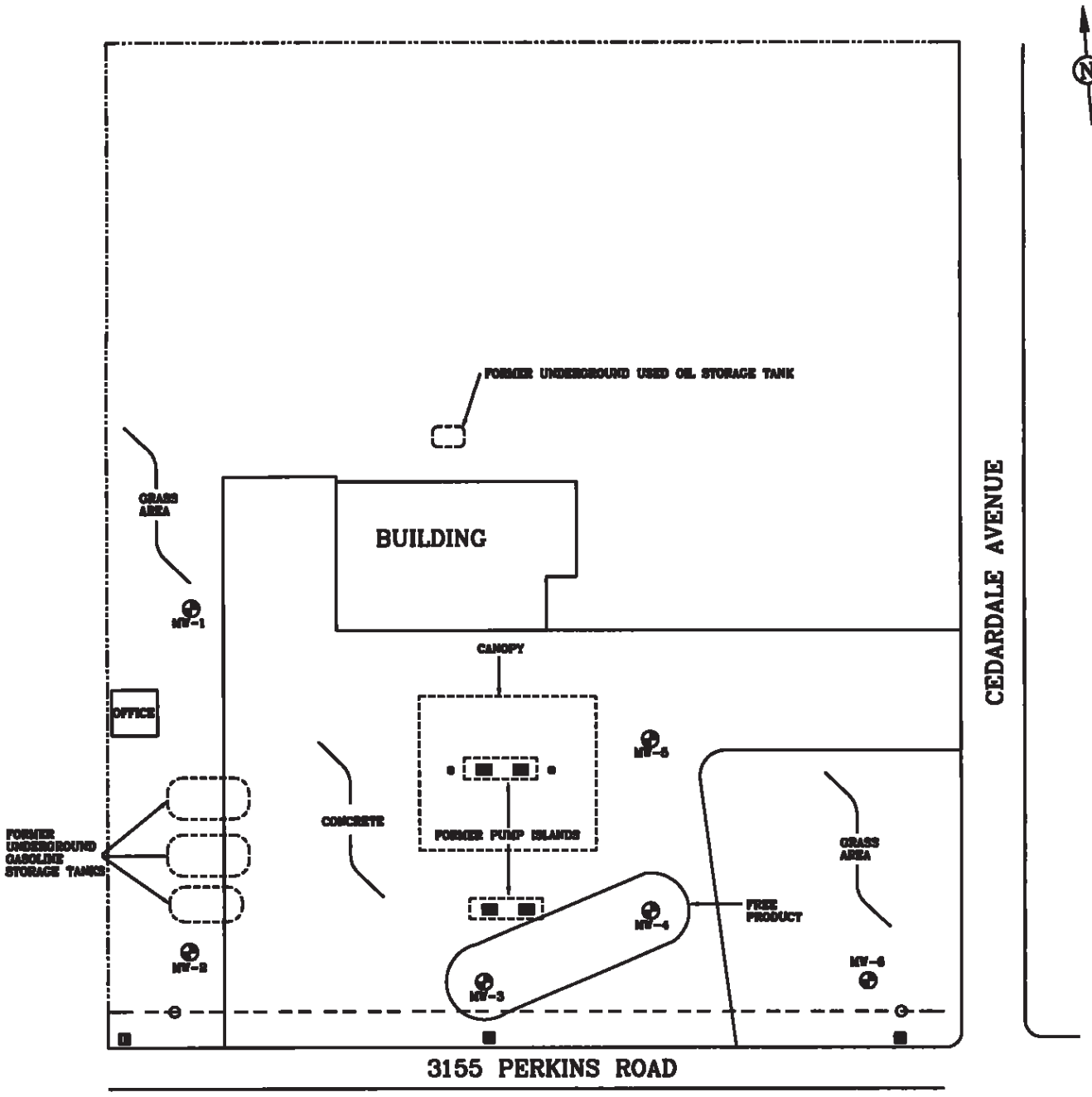
LEGEND

- O – UTILITY POLE
- ■ – STORM DRAIN
- • – CANOPY SUPPORT POST
- – – – ABOVEGROUND ELECTRIC LINE
- —·— – APPROXIMATE PROPERTY LINE
- ⊕ – MONITORING WELL LOCATION

FIGURE 9A – Free Product Thickness Map (12/30/00)

FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 30, 2000



Note: Free Product measured at MW-4 at thickness of 0.96 feet.
Free Product measured at MW-3 at thickness of 0.81 feet.

APPROXIMATE SCALE (IN FEET)

0 30 60

NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1982, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

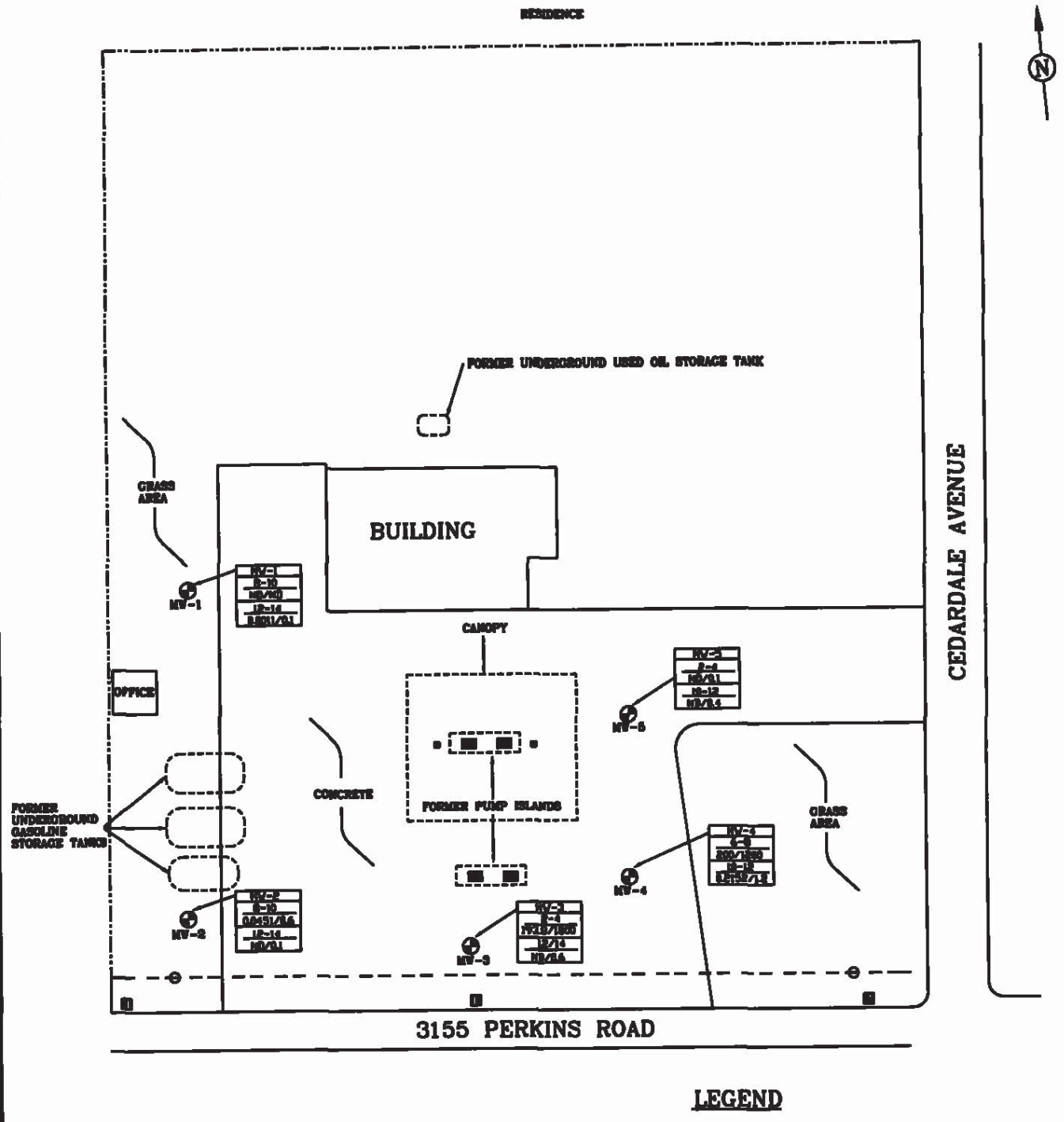
LEGEND

- UTILITY POLE
- CANOPY SUPPORT POST
- STORM DRAIN
- ABOVEGROUND ELECTRIC LINE
- APPROXIMATE PROPERTY LINE
- MONITORING WELL LOCATION

FIGURE 9B – Free Product Thickness Map (9/29/00)

FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	SEPTEMBER 29, 2000



NOTES:

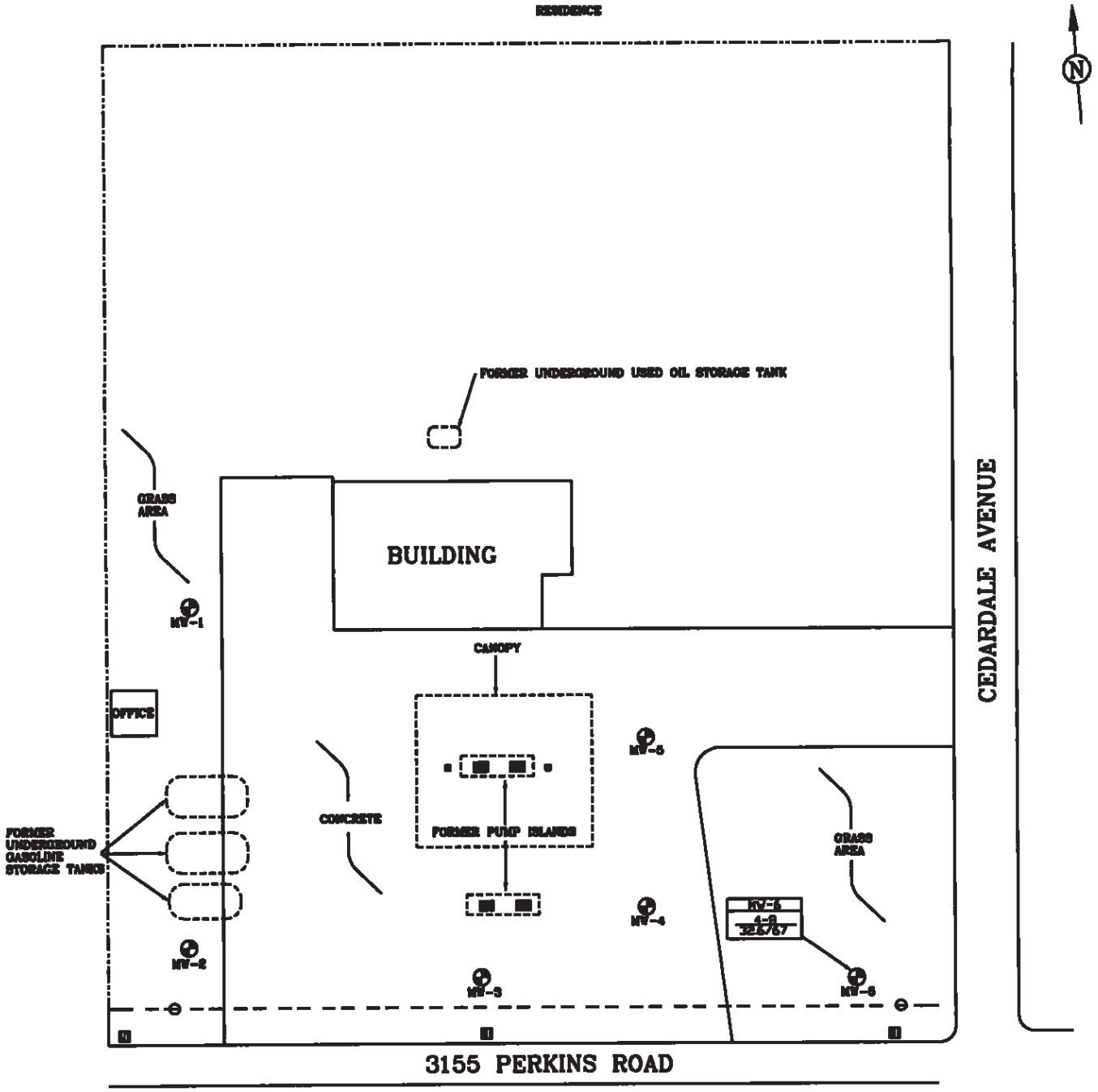
This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 10 – Soil Hydrocarbon Concentration Map (9/21/99)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: DSM	APPROVED BY: RLC
COOK-SMITH, INC.	SEPTEMBER 21,1999



LEGEND

APPROXIMATE SCALE (IN FEET)

0 30 60

- UTILITY POLE
- CANOPY SUPPORT POST
- STORM DRAIN
- ABOVEGROUND ELECTRIC LINE
- APPROXIMATE PROPERTY LINE
- MONITORING WELL LOCATION

MW-6 / 4-8 / 32.6/67 — Soil Boring Location, Depth (ft), BTEX(ppm)/TPH-G(ppm)

NOTES:

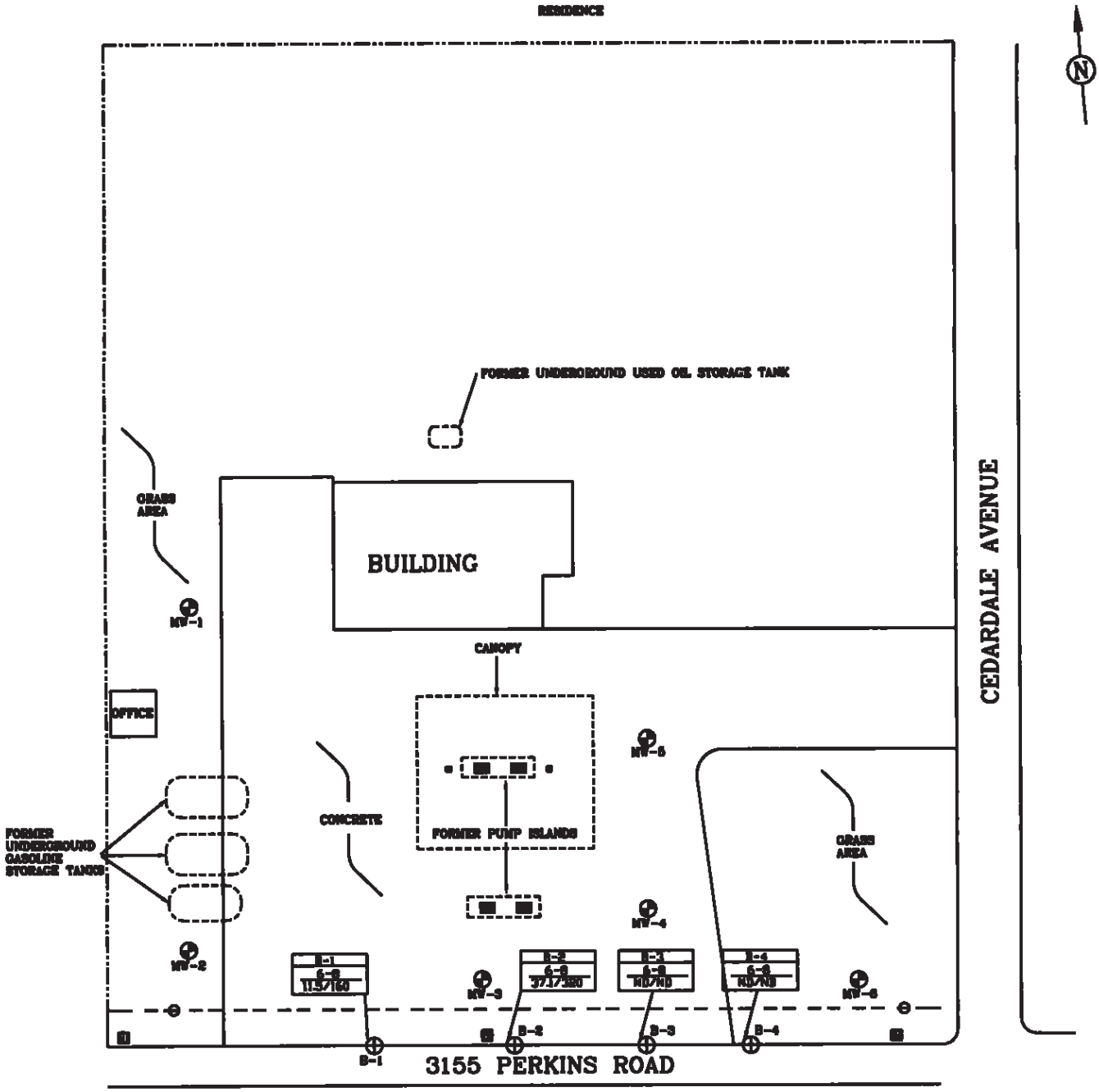
This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 12 – Soil Hydrocarbon Concentration Map (6/8/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: DSM	APPROVED BY: RLC
COOK-SMITH, INC.	JUNE 8, 2000



LEGEND

APPROXIMATE SCALE (IN FEET)

0 30 60

- UTILITY POLE
- CANOPY SUPPORT POST
- STORM DRAIN
- ABOVEGROUND ELECTRIC LINE
- APPROXIMATE PROPERTY LINE
- MONITORING WELL LOCATION
- BORING LOCATION

B-1 / 6-8 / 32.5/67 — Soil Boring Location, Depth (ft), BTEX(ppm)/TPH-G(ppm)

NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1998, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

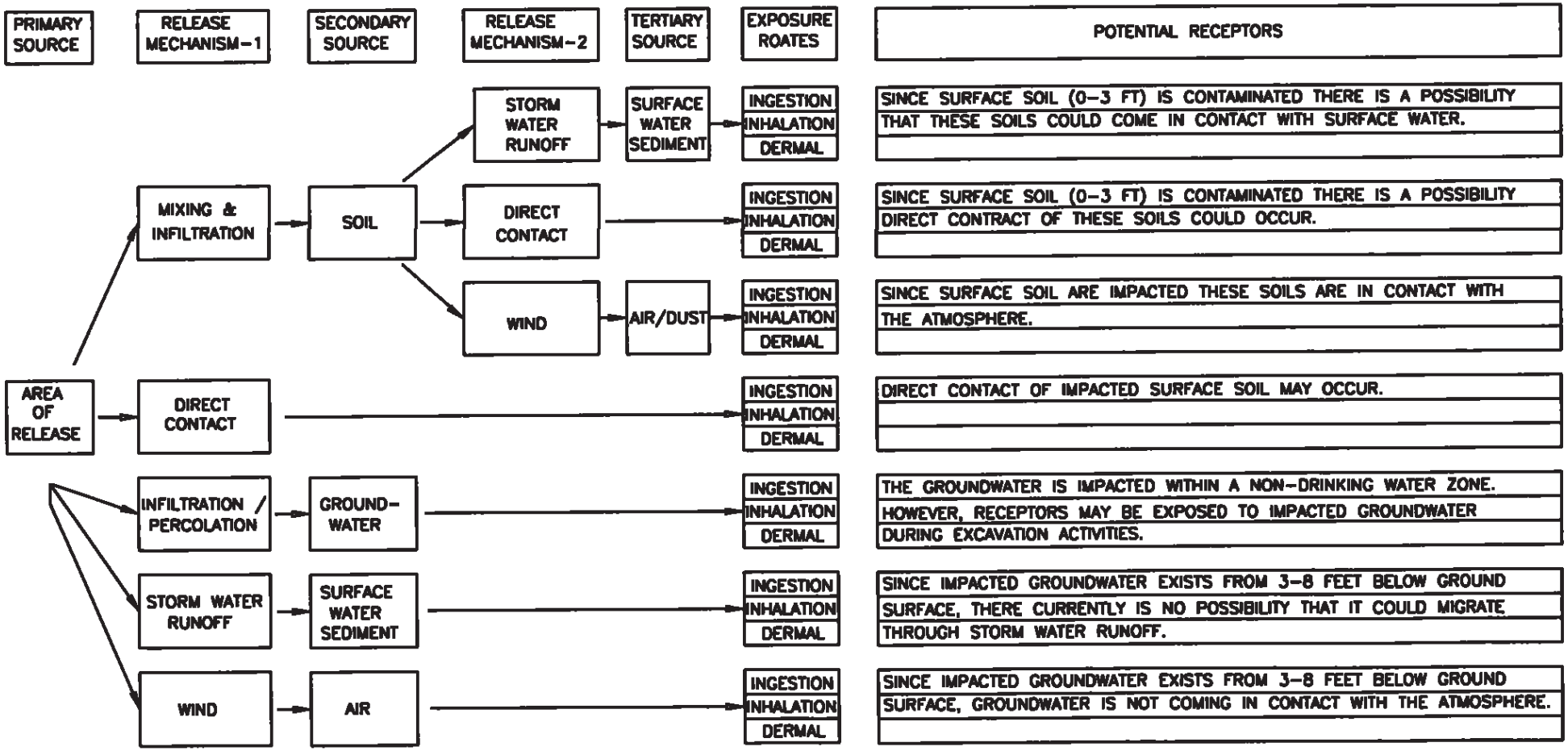
Drawing not to scale.

FIGURE 13 – Soil Hydrocarbon Concentration Map (6/29/00)
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)
3155 PERKINS ROAD
BATON ROUGE, LOUISIANA

DRAWN BY:	APPROVED BY:
DSM	RLC
COOK-SMITH, INC.	JUNE 29, 2000

FIGURE 14 CONCEPTUAL SITE MODEL MARABELLA'S 66



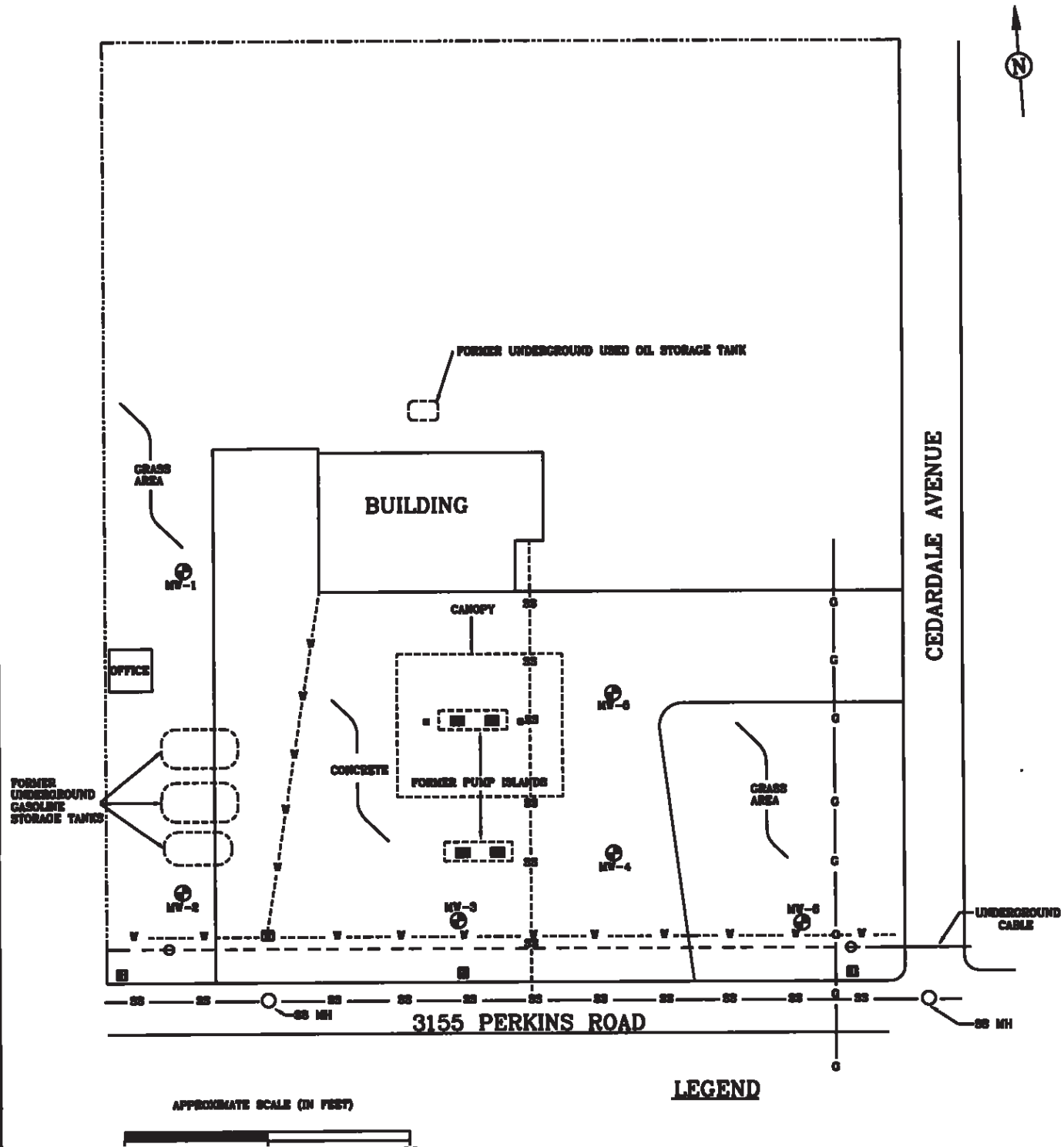
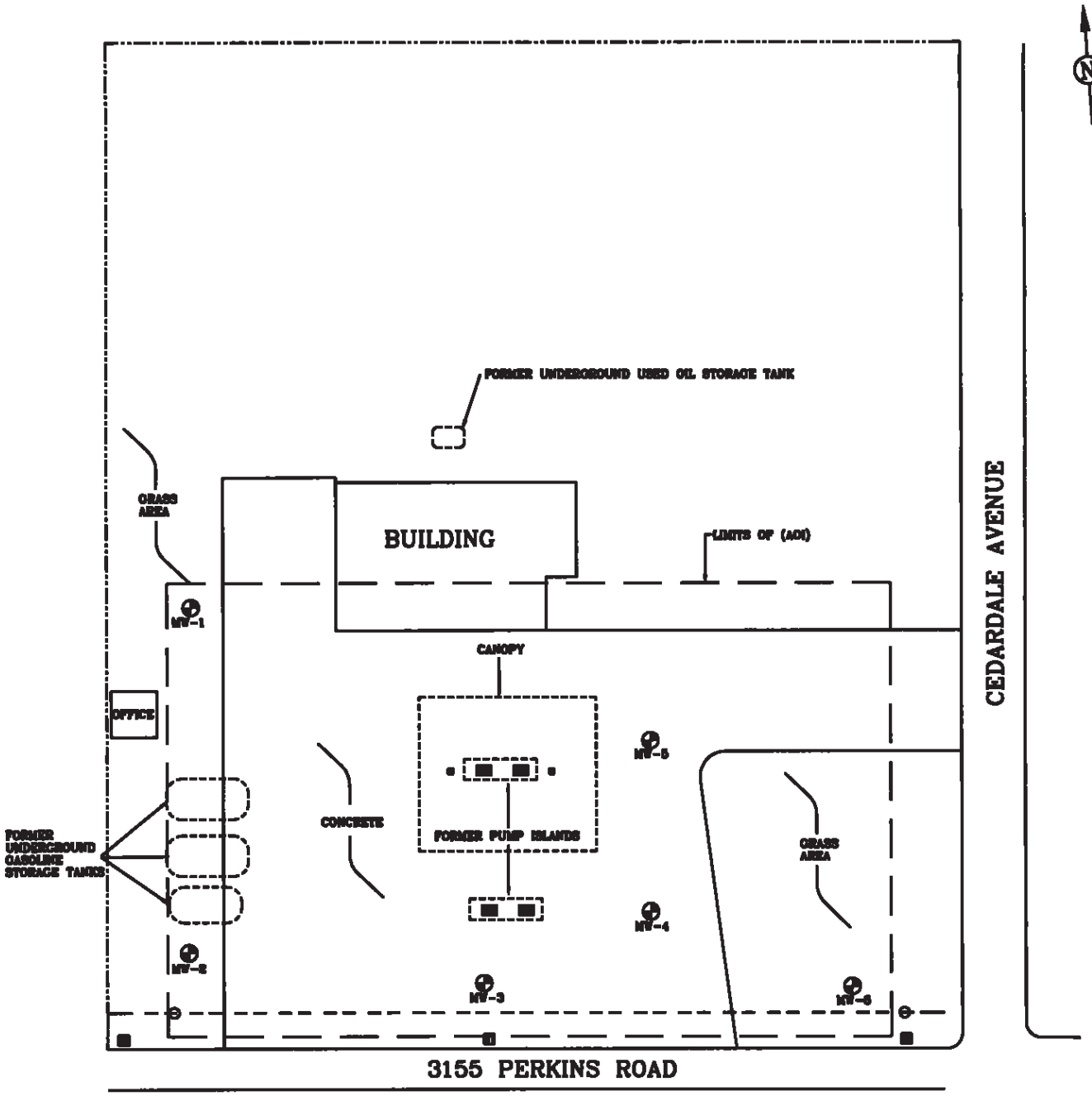


FIGURE 15 – Site Plan Map With Location of Underground Utilities
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 28, 2000



NOTES:

This figure used as illustration only and all specifications are approximate. Additional conditions may exist which are not shown.

RE: USGS 7.5 minute series quadrangle map of Baton Rouge West, LA 1992, Ellis Environmental Consultants Figure 2, and Cook-Smith, Inc. personnel observations.

Drawing not to scale.

FIGURE 16 - Area of Investigation (AOI) Map
FACILITY ID NO. 17-013437

MARABELLA'S 66 (LILL'S CAR CARE)	
3155 PERKINS ROAD	
BATON ROUGE, LOUISIANA	
DRAWN BY: JC	APPROVED BY: RLC
COOK-SMITH, INC.	DECEMBER 28, 2000

APPENDICES

RECAP Form 3 - Analytical Data Summary Report Form

RECAP Form 4 - Sampling Information Summary Report Form

RECAP Form 5 - Groundwater Monitoring Well Characteristics Form

RECAP Form 6 – Groundwater Monitoring Well Sampling Event Summary Form (9/29/00)

LaDOTD 1.5 mile Water Well Survey

RECAP FORM 3
Louisiana Department of Environmental Quality
RECAP Analytical Data Summary Report Form

DATE: 12/28/2000

SITE NAME: Marabella's 66

SITE PHYSICAL ADDRESS: 3155 Perkins Road
Baton Rouge, LA
(East Baton Rouge Parish)
FID # 17-013437

MEDIA SAMPLED: Soil

PARAMETER NAME, CAS #, ANAYLTICAL METHOD	SAMPLE ID #	SAMPLE DATE	SAMPLE RESULT	SAMPLE QUAN-TITATION LIMIT	UNITS	SAMPLE ID #	SAMPLE DATE	SAMPLE RESULT	SAMPLE QUAN-TITATION LIMIT	UNITS
Benzene	MW4 (6-8)	9/16/99	11000	500	ug/kg					
Toluene	MW4 (6-8)	9/16/99	70000	500	ug/kg					
Ethyl Benzene	MW3 (2-4)	9/16/99	31000	500	ug/kg					
Xylene	MW3 (2-4)	9/16/99	130000	500	ug/kg					
TPH-G	MW3 (2-4)	9/16/99	1800	50	mg/kg					
MTBE	MW4 (10-12)	9/16/99	420	8	ug/kg					

RECAP FORM 3
Louisiana Department of Environmental Quality
RECAP Analytical Data Summary Report Form

DATE: 12/28/2000

SITE NAME: Marabella's 66

SITE PHYSICAL ADDRESS: 3155 Perkins Road
Baton Rouge, LA
(East Baton Rouge Parish)
FID # 17-013437

MEDIA SAMPLED: Groundwater

PARAMETER NAME, CAS #, ANAYLTICAL METHOD	SAMPLE ID #	SAMPLE DATE	SAMPLE RESULT	SAMPLE QUAN-TITATION LIMIT	UNITS	SAMPLE ID #	SAMPLE DATE	SAMPLE RESULT	SAMPLE QUAN-TITATION LIMIT	UNITS
Benzene	MW-4	9/21/99	25000	100	ug/L					
Toluene	MW-4	9/21/99	51000	100	ug/L					
Ethyl Benzene	MW-4	9/21/99	4400	100	ug/L					
Xylene	MW-4	9/21/99	24000	100	ug/L					
TPH-G	MW-4	9/21/99	270	20	mg/L					
MTBE	MW-4	9/21/99	10000	800	ug/L					

RECAP FORM 4
DATE: 12/28/00

Louisiana Department of Environmental Quality
RECAP Sampling Information Summary Report Form

Site Name: Marabella's 66
Site Physical Address: 3155 Perkins Road
Baton Rouge,LA
LDEQ Site I.D. Number(s): 17-013437

Sample Location No.	MW-3	MW-4	MW-4	MW-4
Sample Identification No.	MW-3 (2-4)	MW-4 (6-8)	MW-4 (10-12)	MW-4
Laboratory Sample I.D. No.	LI-9909798-06	LI-9909798-08	LI-9909798-09	LI-9909904-04
Date Sampled (yy,mm,dd)	99/09/16	99/09/16	99/09/16	99/09/21
Media Sampled	Soil	Soil	Soil	Water
Sample Type	Core	Core	Core	40ml Vial
Sample Collection Point	N/A	N/A	N/A	N/A
Sampling Equipment	Shelby Tube	Shelby Tube	Shelby Tube	PVC Bailer
Sample Depth (BGS)	2'-4'	6'-8'	10'-12'	N/A
Sample Elevation (NGVD)*	97	93	89	95
Ground Surface Elevation (NGVD)*	100.25	100.41	100.41	100.41
Sampling Comments				
Replicate?	N	N	N	N
Replicate Sequence Number	N/A	N/A	N/A	N/A

*- Top of Casing Elevation from Assumed Bench Mark Elevation of 100.00 Feet

RECAP FORM 5

DATE: 12/28/00

Louisiana Department of Environmental Quality
RECAP Ground Water Monitoring Well Characteristics Report Form

Site Name: Marabella's 66

Monitoring Well Characteristics

SITE MONITORING WELL NO.	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
PERMIT NUMBER/AUTHORIZATION						
DOTD I.D.	8245Z	8246Z	8247Z	8248Z	8249Z	8405Z
LATITUDE	30° 25' 27"	30° 25' 27"	30° 25' 27"	30° 25' 27"	30° 25' 27"	30° 25' 27"
LONGITUDE	91° 09' 26"	91° 09' 26"	91° 09' 26"	91° 09' 26"	91° 09' 26"	91° 09' 26"
LAT/LONG METHOD	GPS	GPS	GPS	GPS	GPS	GPS
UNIT/AREA MONITORED	Shallow groundwater plume	Shallow groundwater plume	Shallow groundwater plume	Shallow groundwater plume	Shallow groundwater plume	Shallow groundwater plume
WELL LOCATION	See Figure 4	See Figure 4	See Figure 4	See Figure 4	See Figure 4	See Figure 4
WELL TYPE	Monitoring	Monitoring	Monitoring	Monitoring	Monitoring	Monitoring
WELL STATUS	Active	Active	Active	Active	Active	Active
GRADIENT	U.G.	L.	D.G.	D.G.	L.	D.G.
CASING DIAMETER (INCHES)	4"	4"	4"	4"	4"	4"
CASING MATERIAL	PVC	PVC	PVC	PVC	PVC	PVC
DATE COMPLETED (mm,dd,yy)	9/16/99	9/16/99	9/16/99	9/16/99	9/16/99	6/08/00
ZONE MONITORED	Perched Water Groundwater	Perched Water Groundwater	Perched Water Groundwater	Perched Water Groundwater	Perched Water Groundwater	Perched Water Groundwater
ZONE THICKNESS (FEET)	ND	ND	ND	ND	ND	ND
ELEV. OF MEASURING POINT (NGVD)*	101.98	101.16	100.25	100.41	100.86	100.78
WELL DEPTH AT INSTALLATION (FEET BGS)	15.0	16.35	16.10	16.25	16.12	15.0
GROUND SURFACE ELEVATION (NGVD)*	101.98	101.16	100.25	100.41	100.86	100.78
TOP OF SCREENED INTERVAL (NGVD)*	96.98	96.16	95.25	95.41	95.86	95.78
BOTTOM OF SCREENED INTERVAL (NGVD)*	86.98	86.16	85.25	85.41	85.86	85.78
SUMP LENGTH (FEET)	0.75	0.75	0.75	0.75	0.75	0.75

* Top of Casing Elevation From Assumed Bench Mark Elevation of 100.00 Feet

DATE: 9/29/00

RECAP FORM 6

Louisiana Department of Environmental Quality
RECAP Ground Water Monitoring Well Sampling Event Summary Form

Site Name: Marabella's 66

RECAP GROUND WATER MONITORING WELL SAMPLING EVENT SUMMARY FORM

Site Monitoring Well No.	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
DOTD I.D.	8245Z	8246Z	8247Z	8248Z	8249Z	8405Z
Date Sampled (yy,mm,dd)	00,09,29	00,09,29	00,09,29	00,09,29	00,09,29	00,09,29
Gallons Purged	13.25	16.5	18.0	16.5	14.0	8.0
Purge Method	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
Sampling Equipment	Disp. Bailer	Disp. Bailer	Disp. Bailer	Disp. Bailer	Disp. Bailer	Disp. Bailer
Depth to Groundwater (ft)	8.30	8.02	7.85	8.83	9.04	10.90
Groundwater Elev. Prior to Purging (NGVD)*	93.68	93.14	93.21	91.58	91.82	89.88
Well Depth for this Sampling Event (NGVD)*	15.0	16.35	16.10	16.25	16.12	15.0
Comments			0.81' LNAPL	0.96' LNAPL		
Sampling Frequency	Qrtly	Qrtly	Qrtly	Qrtly	Qrtly	Qrtly

* - Top of Casing Elevation from Assumed Bench Mark Elevation of 100.00 Feet

10/08/1999 LOUISIANA DOTD - WATER WELL REGISTRATION SYSTEM PAGE 1

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT	SHIP	RANGE	WELL USE	DEPTH / SUB USE	CASING DIAMETER / MATERIAL	SCREEN DIAMETER / INTERVAL	DRILL DATE	AVAIL	INFO
033	- 117	EB REC PARK COM	302612 / 910828	"1200-FOOT" SAND OF BATON ROUGE AREA / EBERHART	095	07S	01E	PUBLIC SUPPLY	1402 / PA	8X6 / STEEL	6 / 1321-1402	0628	ED	W
033	- 122	EB REC PARK COM CITY PARK1	302603 / 910958	"600-FOOT" SAND OF BATON ROUGE AREA / EBERHART	053	07S	01W	PUBLIC SUPPLY	720 / PA	12X8X6 / STEEL	MULTIPLE	1925	D	W
033	- 123	EB REC PARK COM CITY PARK2	302604 / 910958	"600-FOOT" SAND OF BATON ROUGE AREA / EBERHART	053	07S	01W	PUBLIC SUPPLY	710 / PA	12X8X8 / STEEL	8 / 630-710	0335	ED Q	W
033	- 126	BROWN-EAGLE ICE 1	302617 / 911036	"600-FOOT" SAND OF BATON ROUGE AREA / EBERHART	049	07S	01W	PUBLIC SUPPLY	634 / PA	8X6 / STEEL	6 / 554-634	0533	D	W
033	- 127	PARTY TIME ICE	302617 / 911036	SHALLOW SANDS OF BATON ROUGE AREA / EBERHART	049	07S	01W	PUBLIC SUPPLY	330 / PA	10X8 / STEEL	8 / 229-330	0340	ED Q	W
033	- 129	SMITH ET AL	302612 / 911026	"600-FOOT" SAND OF BATON ROUGE AREA / EBERHART	050	07S	01W	OTHER	748 / -D	8X6 / STEEL	6 / 647-748	0930	D Q	W
033	- 130	JOLLY, HENRY	302520 / 910920	"800-FOOT" SAND OF BATON ROUGE AREA / EBERHART	094	07S	01E	DOMESTIC	1147 / -D	4X2.50 / STEEL		0720	D	
033	- 151	BATON ROUGE WW GOV'T ST 2	302641 / 910858	"2000 & 2400 FOOT" SANDS OF BATON ROUGE AREA / EBERHART	082	07S	01E	PUBLIC SUPPLY	2658 / -P	12X10X8 / STEEL	8 / MULTIPLE	1944	D Q	PW
033	- 156	BATES, C	302541 / 910919	"1200-FOOT" SAND OF BATON ROUGE AREA / EBERHART	096	07S	01E	DOMESTIC	1200 / -D	2.50 / METAL	2.50 / 1160-1200	0618	D	W
033	- 157	BATES, C	302541 / 910919	"1500-FOOT" SAND OF BATON ROUGE AREA / EBERHART	096	07S	01E	IRRIGATION	1552 / --	6X4 / STEEL	5 / 1510-1552	0642	D Q	W
033	- 219	ALDRICH, S W	302512 / 910825	"1200-FOOT" SAND OF BATON ROUGE AREA / UNKNOWN	094	07S	01E	DOMESTIC	1444 / PA	4X2.50 / STEEL	2.50 / 1404-1444		E Q	W
033	- 298	JOSEPH, G	302638 / 910908	"1200-FOOT" SAND OF BATON ROUGE AREA / EBERHART	081	07S	01E	OBSERVATION	1387 / -O	2.50 / METAL	2.50 / 1347-1387	0718	ED Q	W
033	- 382	BARNES, C	302533 / 911049	MISSISSIPPI RIVER ALLUVIAL AQUIFER / MCDERMOTT F	075	07S	01W	DOMESTIC	260 / -A	2 / METAL	2 / 250-260	1934	D	W
033	- 493	PARTY TIME ICE 3	302617 / 911036	"600-FOOT" SAND OF BATON ROUGE AREA / SUMMERS, D. K.	049	07S	01W	PUBLIC SUPPLY	704 / PA	6X6 / STEEL	6 / MULTIPLE	0845	D Q	W
033	- 495	EB REC PARK COM 2	302612 / 910829	"400-FOOT" SAND OF BATON ROUGE AREA / HARRELL GUY	095	07S	01E	PUBLIC SUPPLY	498 / -D	6X4 / STEEL	4 / 412-498	0848	DM	W
033	- 511	PARTY TIME ICE 4	302617 / 911036	SHALLOW SANDS OF BATON ROUGE AREA / EBERHART	049	07S	01W	INDUSTRIAL	336 / PA	12X9 / STEEL	9 / 256-336	1047	DMQ	
033	- 512	PARTY TIME ICE	302617 / 911036	SHALLOW SANDS OF BATON ROUGE AREA / EBERHART	049	07S	01W	INDUSTRIAL	336 / PA	12X9 / STEEL	9 / 256-336	1047	DMQ	

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT SHIP RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
033	- 554	LSU BATON ROUGE 910945	302504 EBERHART	SHALLOW SANDS OF BATON ROUGE AREA 068 07S 01W	PUBLIC SUPPLY	294 -A	6X6X6 STEEL	6 MULTIPLE	1153	D Q W
033	- 583	NEHER, C 910944	302422 AIRHART	SHALLOW SANDS OF BATON ROUGE AREA 068 07S 01W	DOMESTIC	304 --	2.50X2 METAL	2 294-304	0456	D Q W
033	- 607	SMITH ET AL 911025	302614 SUMMERS, D. K.	"600-FOOT" SAND OF BATON ROUGE AREA 050 07S 01W	OTHER	687 -D	8X6 STEEL	6 586-687	0345	D W
033	- 734	RAMSEY, J 910859	302551 HERRINGTON	"400-FOOT" SAND OF BATON ROUGE AREA 096 07S 01E	DOMESTIC	504 --	2 METAL	2 494-504	1960	W
033	- 735	ALBRITTON, W 910835	302622 HERRINGTON	"400-FOOT" SAND OF BATON ROUGE AREA 095 07S 01E	DOMESTIC	481 --	2 METAL	2 471-481	1061	ED Q W
033	- 739	SOUTH CENTRAL 911036	302502 ETCO ENGRS	SHALLOW SANDS OF BATON ROUGE AREA 054 07S 01W	CATHODIC	187 --			0562	ED
033	- 755	MELANCON, C 910948	302422 LAMBERT'S	SHALLOW SANDS OF BATON ROUGE AREA 068 07S 01W	DOMESTIC	325 --	3X2 METAL	2 315-325	0363	E
033	- 777	U S GEOL SURVEY 911015	302537 SUMMERS, D. K.	"1500-FOOT" SAND OF BATON ROUGE AREA 053 07S 01W	OBSERVATION	1794 PA	4X2.50 METAL	2.50 1789-1794	0265	EDMQ W
033	- 778	U S GEOL SURVEY 910827	302509 SUMMERS, D. K.	"2000-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	2586 -O	4X2.50 METAL	2.50 2581-2586	0365	EDMQ W
033	- 780A	U S GEOL SURVEY 910827	302509 SUMMERS, D. K.	"1200-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	1622 -O	4 METAL	4 1617-1622	0365	MQ W
033	- 780B	U S GEOL SURVEY 910827	302509 SUMMERS, D. K.	"1500-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	1913 -O	2 METAL	2 1902-1912	0365	Q W
033	- 781	U S GEOL SURVEY 910904	302535 SUMMERS, D. K.	"2000-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	2286 -O	4X2.50X2 METAL	2282-2286	0465	EDMQ W
033	- 782A	U S GEOL SURVEY 910904	302535 SUMMERS, D. K.	"1000-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	1189 -O	4 METAL	4 1184-1189	0465	MQ W
033	- 782B	U S GEOL SURVEY 910904	302535 SUMMERS, D. K.	"1500-FOOT" SAND OF BATON ROUGE AREA 094 07S 01E	OBSERVATION	1681 -O	4X4X4 METAL	4 1676-1681	0465	MQ W
033	- 801	ROCKHOLD, J 911047	302502 GREEN TOM	SHALLOW SANDS OF BATON ROUGE AREA 054 07S 01W	TEST HOLE	290 PA			0965	E Q W
033	- 807A	U S GEOL SURVEY 910912	302611 SUMMERS BROS	"1500-FOOT" SAND OF BATON ROUGE AREA 096 07S 01E	OBSERVATION	1713 PA	4 METAL	4 1709-1713	0566	EDMQ W
033	- 807B	U S GEOL SURVEY 910912	302611 SUMMERS BROS	"2000-FOOT" SAND OF BATON ROUGE AREA 096 07S 01E	OBSERVATION	2264 PA	4X2.50X2 METAL	2.50 2260-2264	0566	EDMQ W

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER
3155 PERKINS ROAD, BATON ROUGE, LA
WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT SHIP RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
033	- 818	LA WTR RESOURCE 1	302501 911012	"400-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	067 07S 01W	OBSERVATION	615 PA	2 METAL	2 609-615	0967	ED Q W
033	- 819	LA WTR RESOURCE 2	302501 911012	SHALLOW SANDS OF BATON ROUGE AREA STAMM-SCHEELE	067 07S 01W	OBSERVATION	322 -W	2 METAL	2 316-322	0967	Q W
033	- 820	LA WTR RESOURCE UNIV TER S	302510 911050	SHALLOW SANDS OF BATON ROUGE AREA STAMM-SCHEELE	054 07S 01W	OBSERVATION	259 -W	2 METAL	2 253-259	0867	Q W
033	- 821	LA WTR RESOURCE UNIV TER L	302510 911050	"400-FOOT" SAND OF BATON ROUGE AREA UNKNOWN	054 07S 01W	OBSERVATION	560 -O	2 METAL	2 554-560	0867	E W
033	- 822	LA WTR RESOURCE UNIV TER X	302510 911050	"400-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	054 07S 01W	OBSERVATION	573 -O	2 METAL	2 567-573	0867	Q W
033	- 823	LA WTR RESOURCE ST ALOY	302500 910858	"400-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	094 07S 01E	OBSERVATION	582 -O	2 METAL	2 574-582	0867	E Q W
033	- 824	LA WTR RESOURCE CATHOLIC S	302553 910920	"600-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	096 07S 01E	OBSERVATION	581 -W	2 METAL	2 575-581	0967	E Q W
033	- 825	LA WTR RESOURCE CATHOLIC L	302553 910920	"400-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	096 07S 01E	OBSERVATION	475 -W	2 METAL	2 469-475	0967	Q W
033	- 868	U S GEOL SURVEY	302524 911005	"400-FOOT" SAND OF BATON ROUGE AREA UNKNOWN	067 07S 01W	OBSERVATION	602 -A	2 METAL	2 598-602	0271	EDMQ W
033	- 869	U S GEOL SURVEY	302533 911005	"600-FOOT" SAND OF BATON ROUGE AREA SUMMERS BROS	067 07S 01W	OBSERVATION	599 -O	2 METAL	2 594-599	0371	EDMQ W
033	- 871	U S GEOL SURVEY	302530 911006	"400-FOOT" SAND OF BATON ROUGE AREA SUMMERS BROS	067 07S 01W	OBSERVATION	685 -O	2 METAL	2 680-685	0371	EDMQ W
033	- 876	U S GEOL SURVEY	302533 911005	"600-FOOT" SAND OF BATON ROUGE AREA AMY, M. E.	067 07S 01W	OBSERVATION	635 -O	6 STEEL	6 595-635	0771	EDMQ PW
033	- 917	U S GEOL SURVEY	302614 910830	"1500-FOOT" SAND OF BATON ROUGE AREA SUMMERS BROS	095 07S 01E	OBSERVATION	1736 -O	4X2.50 METAL	2.50 1731-1736	1073	EDMQ W
033	-1013	LSU BATON ROUGE FIRE 2	302434 911030	SHALLOW SANDS OF BATON ROUGE AREA STAMM-SCHEELE	067 07S 01W	OTHER	352 -F	16X14 STEEL	12 290-352	0379	EDMQ W
033	-1014	LSU BATON ROUGE FIRE 3	302456 911013	SHALLOW SANDS OF BATON ROUGE AREA STAMM-SCHEELE	067 07S 01W	OTHER	334 -F	16X14 STEEL	12 262-334	0279	EDMQ W
033	-1028	U S GEOL SURVEY	302605 911009	"2000-FOOT" SAND OF BATON ROUGE AREA STAMM-SCHEELE	053 07S 01W	OBSERVATION	2238 -O	10X2.50 STEEL	2.50 2223-2238	0581	EDMQ W
033	-1130	LSU BATON ROUGE HORTICULT	302443 911012	SHALLOW SANDS OF BATON ROUGE AREA EBERHART	067 07S 01W	IRRIGATION	361 --	8X6	6 311-361	1083	D W

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT SHIP RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
033	-1239	MORRIS, BUCK	302413	SHALLOW SANDS OF BATON ROUGE AREA			295	4X2	2	0884	D W
			910933	ECONOMY	068 07S 01W	IRRIGATION	--	PLASTIC	275-295		
033	-5354Z	PUEA, WAYNE	302536	NO WELL MADE, LOG DEPTH SHOWN			250			1185	D
			910912	ROUYEA'S	094 07S 01E	HEAT PUMP	HH				
033	-5363Z	ERIE, ROBERT	302416	NO WELL MADE, LOG DEPTH SHOWN			250			0686	D
			911002	ROUYEA'S	068 07S 01W	HEAT PUMP	HH				
033	-5458Z	SOUTHLAND CORP	302601	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	1286	D
		MW-1	910941	IT CORPORATION	053 07S 01W	MONITOR	--	PLASTIC	5-15		
033	-5459Z	SOUTHLAND CORP	302601	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	1286	D
		MW-2	910941	IT CORPORATION	053 07S 01W	MONITOR	--	PLASTIC	6-16		
033	-5460Z	SOUTHLAND CORP	302601	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	1286	D
		MW-3	910941	IT CORPORATION	053 07S 01W	MONITOR	--	PLASTIC	6-16		
033	-5461Z	SOUTHLAND CORP	302601	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	1286	D
		MW-4	910941	IT CORPORATION	053 07S 01W	MONITOR	--	PLASTIC	6-16		
033	-5597Z	CHERRLOUSE, M S	302537	NO WELL MADE, LOG DEPTH SHOWN			200			0787	D
			910953	ECONOMY	069 07S 01W	HEAT PUMP	HH				
033	-5635Z	LEA, MAXWELL	302555	NO WELL MADE, LOG DEPTH SHOWN			250			0188	D
			910854	ROUYEA'S	096 07S 01E	HEAT PUMP	HH				
033	-5636Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	0288	D
		MW-1	910902	PSI/PTL	094 07S 01E	MONITOR	PA	PLASTIC	1-16		
033	-5637Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	0288	D
		MW-2	910902	PSI/PTL	094 07S 01E	MONITOR	PA	PLASTIC	1-16		
033	-5638Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			11	4	4	0288	D
		MW-3	910902	PSI/PTL	094 07S 01E	MONITOR	--	PLASTIC	1-11		
033	-5639Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16	4	4	0288	D
		MW-4	910902	PSI/PTL	094 07S 01E	MONITOR	PA	PLASTIC	1-16		
033	-5905Z	STAR ENTERPRISE	302515	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			16		12	0692	D W
		MW-1	911020	FUGRO (GS)	094 07S 01E	RECOVERY	PA	PLASTIC	1-16		
033	-5911Z	EXXON CO USA	302534	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			15	4	4	0192	D W
		MW-1	910816	ATEC	094 07S 01E	MONITOR	EX	PLASTIC	3-15		
033	-5912Z	EXXON CO USA	302534	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			20	4	4	0192	D W
		MW-2	910816	ATEC	094 07S 01E	MONITOR	PA	PLASTIC	2-20		
033	-5913Z	EXXON CO USA	302534	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT			15	4	4	0192	D W
		MW-3	910816	ATEC	094 07S 01E	MONITOR	PA	PLASTIC	3-15		

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WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT	SHIP	RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
033	-5914Z	EXXON CO USA MW-4	302534 910816	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT ATEC	094	07S	01E	MONITOR	15 EX	4 PLASTIC	4 3-15	0192	D W
033	-6081Z	TEXACO MW-3	302515 910824	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094	07S	01E	MONITOR	15 --	4 PLASTIC	4 1-15	0189	D
033	-6082Z	TEXACO MW-4	302515 910824	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094	07S	01E	MONITOR	15 --	4 PLASTIC	4 1-15	0189	D
033	-6083Z	TEXACO MW-5	302515 910824	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094	07S	01E	MONITOR	15 --	4 PLASTIC	4 1-15	0189	D
033	-6084Z	TEXACO MW-6	302515 910824	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094	07S	01E	MONITOR	15 --	4 PLASTIC	4 1-15	0189	D
033	-6085Z	TEXACO MW-7	302515 910824	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094	07S	01E	MONITOR	15 --	4 PLASTIC	4 1-15	0189	D
033	-6123Z	STAR ENTERPRISE MW-8	302515 910817	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 --	4 PLASTIC	4 1-16	0389	D W
033	-6124Z	STAR ENTERPRISE MW-9	302514 910818	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0389	D W
033	-6125Z	STAR ENTERPRISE MW-10	302515 910817	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 --	4 PLASTIC	4 1-16	0389	D W
033	-6126Z	STAR ENTERPRISE MW-11	302515 910817	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0389	D W
033	-6127Z	STAR ENTERPRISE MW-12	302515 910817	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 -D	4 PLASTIC	4 1-16	0389	D W
033	-6128Z	STAR ENTERPRISE MW-13	302514 910818	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0389	D W
033	-6129Z	STAR ENTERPRISE MW-14	302514 910818	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 --	4 PLASTIC	4 1-16	0389	D W
033	-6130Z	STAR ENTERPRISE MW-15	302515 910817	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0389	D W
033	-6198Z	CHEVRON 1	302512 910830	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	12 --	4 PLASTIC	4 2-12	0589	D W
033	-6199Z	CHEVRON 2	302512 910830	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	12 --	4 PLASTIC	4 2-12	0589	D W
033	-6200Z	CHEVRON 3	302512 910830	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT LAYNE (LA)	094	07S	01E	MONITOR	12 PA	4 PLASTIC	4 2-12	0589	D W

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT	SHIP	RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO	
033	-6248Z	CHEVRON	302518	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					10	4	4	0889	D	
		MW-4	910823	WARE LIND	094	07S	01E	MONITOR	PA	PLASTIC	1-10			
033	-6266Z	CHEVRON	302532	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					11	4	4	0889	D	W
		MW-6A	910900	PSI/PTL	095	07S	01E	MONITOR	PA	PLASTIC	1-11			
033	-6267Z	CHEVRON	302532	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					16	4	4	0889	D	W
		MW-9	910900	PSI/PTL	095	07S	01E	MONITOR	PA	PLASTIC	1-16			
033	-6302Z	RACETRAC PETRO	302536	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20	2	2	1089	D	W
		MW-89-1	910815	EUSTIS	094	07S	01E	MONITOR	--	PLASTIC	10-20			
033	-6303Z	RACETRAC PETRO	302536	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					16	2	2	1089	D	W
		MW-89-2	910815	EUSTIS	094	07S	01E	MONITOR	--	PLASTIC	6-16			
033	-6304Z	RACETRAC PETRO	302536	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					17	2	2	1089	D	W
		MW-89-3	910815	EUSTIS	094	07S	01E	MONITOR	--	PLASTIC	7-17			
033	-6361Z	HUDSON, GEORGE	302437	NO WELL MADE, LOG DEPTH SHOWN					200			0489	D	
			910853	ECONOMY	045	07S	01E	HEAT PUMP	HH					
033	-6399Z	CHEVRON	302533	MISS. RIVER ALLUVIAL AQ. SURF. CONFINING UNIT										
		MW-3	910900	UNKNOWN	094	07S	01E	MONITOR	EX					
033	-6400Z	CHEVRON	302533	MISS. RIVER ALLUVIAL AQ. SURF. CONFINING UNIT										
		MW-5	910900	UNKNOWN	094	07S	01E	MONITOR	EX					
033	-6504Z	CHILIS RESTAURA	302517	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					35	2	2	0690	D	W
		MW-1	910820	CUSTOM CORING	094	07S	01E	MONITOR	--	PLASTIC	20-35			
033	-6505Z	CHILIS RESTAURA	302517	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20	2	2	0690	D	W
		MW-2	910820	CUSTOM CORING	094	07S	01E	MONITOR	--	PLASTIC	5-20			
033	-6534Z	STAR VIDEO	302521	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					13	4	4	0890	D	W
		MW-1	910920	ENCOR	094	07S	01E	MONITOR	PA	PLASTIC	4-14			
033	-6535Z	STAR VIDEO	302521	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20	4	4	0890	D	W
		MW-2	910920	ENCOR	094	07S	01E	MONITOR	PA	PLASTIC	5-20			
033	-6536Z	STAR VIDEO	302521	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					15	4	4	0890	D	W
		MW-3	910920	ENCOR	094	07S	01E	MONITOR	PA	PLASTIC	5-15			
033	-6542Z	STAR ENTERPRISE	302538	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					14	4	4	1090	D	W
		MW-1	910812	PSI/PTL	094	07S	01E	MONITOR	PA	PLASTIC	2-15			
033	-6543Z	STAR ENTERPRISE	302538	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					14	4	4	1090	D	W
		MW-2	910812	PSI/PTL	094	07S	01E	MONITOR	PA	PLASTIC	2-15			
033	-6544Z	TEXACO	302538	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					14	4	4	1090	D	W
		MW-3	910812	PSI/PTL	094	07S	01E	MONITOR	--	PLASTIC	2-15			

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10/08/1999 LOUISIANA DOTD - WATER WELL REGISTRATION SYSTEM PAGE 7

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER

3155 PERKINS ROAD, BATON ROUGE, LA

WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT SHIP RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
033	-6545Z	STAR ENTERPRISE MW-4	302538 910812	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094 07S 01E	MONITOR	14 PA	4 PLASTIC	4 2-15	1090	D W
033	-6546Z	STAR ENTERPRISE MW-5	302538 910812	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PSI/PTL	094 07S 01E	MONITOR	14 PA	4 PLASTIC	4 2-15	1090	D W
033	-6632Z	EXXON CO USA MW-1	302609 910913	MISS. RIVER ALLUVIAL AQ. SURF. CONFINING UNIT CCI	096 09S 01E	MONITOR	33 --	4 PLASTIC	4 18-33	1290	D W
033	-6633Z	EXXON CO USA MW-2	302609 910913	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT CCI	096 07S 01E	MONITOR	35 --	4 PLASTIC	4 20-35	1290	D W
033	-6634Z	EXXON CO USA MW-3	302609 910913	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT CCI	096 07S 01E	MONITOR	31 --	4 PLASTIC	4 16-31	1290	D W
033	-6665Z	DAY, M C	302413 910933	NO WELL MADE, LOG DEPTH SHOWN ECONOMY	068 07S 01W	HEAT PUMP	250 HH			0391	D
033	-6714Z	CASSIDY, WM	302509 911015	NO WELL MADE, LOG DEPTH SHOWN ECONOMY	067 07S 01W	HEAT PUMP	250 HH			0890	D
033	-6729Z	STAR VIDEO MW-4	302521 910920	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT CUSTOM CORING	094 07S 01E	MONITOR	16 PA	4 PLASTIC	4 6-16	0791	D W
033	-6730Z	STAR VIDEO MW-5	302521 910920	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT CUSTOM CORING	094 07S 01E	MONITOR	16 PA	4 PLASTIC	4 6-16	0791	D W
033	-6876Z	STAR ENTERPRISE MW-16	302516 910823	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT FUGRO (GS)	094 07S 01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0992	D W
033	-6877Z	STAR ENTERPRISE MW-17	302516 910823	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT FUGRO (GS)	094 07S 01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0992	D W
033	-6878Z	STAR ENTERPRISE MW-18	302516 910823	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT FUGRO (GS)	094 07S 01E	MONITOR	16 PA	4 PLASTIC	4 1-16	0992	D W
033	-7007Z	STAR ENTERPRISE MW-6	302536 910814	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT PROFESSIONAL	094 07S 01E	MONITOR	11 PA	4 PLASTIC	4 1-11	0193	D W
033	-7145Z	MAPCO PETRO MW-3	302637 910915	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT IT CORPORATION	096 07S 01E	MONITOR	17 --	4 PLASTIC	4 2-17	0793	D W
033	-7146Z	MAPCO PETRO MW-4	302637 910915	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT IT CORPORATION	096 07S 01E	MONITOR	17 --	4 PLASTIC	4 2-17	0793	D W
033	-7147Z	MAPCO PETRO MW-5	302637 910915	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT IT CORPORATION	096 07S 01E	MONITOR	17 --	4 PLASTIC	4 2-17	0793	D W
033	-7148Z	MAPCO PETRO MW-6	302637 910915	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT IT CORPORATION	096 07S 01E	MONITOR	17 --	4 PLASTIC	4 2-17	0793	D W

1GLS

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER
3155 PERKINS ROAD, BATON ROUGE, LA
WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	SECT	TOWN SHIP	RANGE	WELL USE	DEPTH	SUB USE	CASING DIAMETER	MATERIAL	SCREEN DIAMETER	INTERVAL	DRILL DATE	AVAIL INFO	
033	-7189Z	MAPCO PETRO	302637	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					16		4		4		0993	D	W
		MW-7	910915	GRIFFITH, TOM	096	07S	01E	MONITOR	--		PLASTIC		1-16				
033	-7190Z	MAPCO PETRO	302637	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					16		4		4		0993	D	W
		MW-8	910915	GRIFFITH, TOM	096	07S	01E	MONITOR	--		PLASTIC		1-16				
033	-7224Z	CHEVRON	302517	MISS. RIVER ALLUVIAL AQ. SURF. CONFINING UNIT					13		4		4		1193	D	W
		MW-5	910823	RUST ENVIRON-	094	07S	01E	MONITOR	PA		PLASTIC		3-13				
033	-7234Z	J & S POOL PRO	302522	MISS. RIVER ALLUVIAL AQ. SURF. CONFINING UNIT					12		2		2		1293	D	W
		MW-1	910901	GROUNDWATER/	094	07S	01E	MONITOR	--		PLASTIC		2-12				
033	-7317Z	RACETRAC PETRO	302525	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20		2		2		0594	D	W
		MW-10	910822	SOIL TESTING	094	07S	01E	MONITOR	--		PLASTIC		10-20				
033	-7318Z	RACETRAC PETRO	302525	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20		2		2		0594	D	W
		MW-11	910822	SOIL TESTING	094	07S	01E	MONITOR	--		PLASTIC		10-20				
033	-7378Z	MAPCO PETRO	302637	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					16		4		4		0294	D	W
		MW-9	910915	LAYNE (ENV)	096	07S	01E	MONITOR	--		PLASTIC		1-16				
033	-7438Z	CHEVRON	302533	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					12		4		4		0894	D	W
		MW-9	910902	G & E	094	07S	01E	MONITOR	PA		PLASTIC		2-12				
033	-7455Z	RESOLUTION TRUS	302639	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20		1		1		1094	D	W
		MW-1	910919	ENVICO, INC.	082	07S	01E	MONITOR	--		PLASTIC		10-20				
033	-7456Z	RESOLUTION TRUS	302640	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20		1		1		1094	D	W
		MW-2	910920	ENVICO, INC.	082	07S	01E	MONITOR	--		PLASTIC		10-20				
033	-7457Z	RESOLUTION TRUS	302640	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					20		1		1		1094	D	W
		MW-3	910919	ENVICO, INC.	082	07S	01E	MONITOR	--		PLASTIC		10-20				
033	-7514Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					7		2						
		MW-7	910902	UNKNOWN	094	07S	01E	MONITOR	PA		PLASTIC						
033	-7515Z	CHEVRON	302530	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					7		2						
		MW-8	910902	UNKNOWN	094	07S	01E	MONITOR	PA		PLASTIC						
033	-7571Z	STAR ENTERPRISE	302516	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					13		4		4		1294	D	W
		MW-4R	910826	FUGRO (GS)	094	07S	01E	RECOVERY	PA		PLASTIC		3-13				
033	-7572Z	STAR ENTERPRISE	302515	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					19		4		4		1294	D	W
		MW-7R	910826	FUGRO (GS)	094	07S	01E	RECOVERY	PA		PLASTIC		3-19				
033	-7573Z	STAR ENTERPRISE	302516	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					13		4		4		1294	D	W
		MW-8R	910826	FUGRO (GS)	094	07S	01E	RECOVERY	PA		PLASTIC		3-13				
033	-7574Z	STAR ENTERPRISE	302516	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT					13		4		4		1294	D	W
		MW-10R	910826	FUGRO (GS)	094	07S	01E	RECOVERY	PA		PLASTIC		3-13				

WELLRQ1A - REGISTERED WATER WELLS IN E. BATON ROUGE -- SORTED BY WELL NUMBER
3155 PERKINS ROAD, BATON ROUGE, LA
WITHIN A 1.5000 MILE RADIUS OF LATITUDE 302527 LONGITUDE 910926

PARISH CODE	WELL NUMBER	OWNER'S NAME / OWNER'S NO.	LATITUDE / LONGITUDE	GEOLOGIC UNIT / DRILLER	TOWN SECT	SHIP	RANGE	WELL USE	DEPTH SUB USE	CASING DIAMETER MATERIAL	SCREEN DIAMETER INTERVAL	DRILL DATE	AVAIL INFO
O33	-7578Z	STAR ENTERPRISE MW-19	302516 910827	S.E. LA. AQ. SYSTEM SURFICIAL CONFINING UNIT FUGRO (GS)	O94	O7S	O1E	MONITOR	12 PA	2 PLASTIC	2 2-12	1294	D W
O33	-8122Z	RITE-AID INC MW-1	302500 910835	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	12 --	4 PLASTIC	4 2-12	0399	D W
O33	-8123Z	RITE-AID INC MW-2	302500 910835	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	12 --	4 PLASTIC	4 2-12	0399	D W
O33	-8124Z	RITE-AID INC MW-3	302500 910835	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	12 --	4 PLASTIC	4 2-12	0399	D W
O33	-8125Z	RITE-AID INC MW-4S	302501 910834	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	10 --	4 PLASTIC	4 5-10	0399	D W
O33	-8126Z	RITE-AID INC MW-4D	302501 910834	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	29 --	4 PLASTIC	4 19-29	0399	D W
O33	-8127Z	RITE-AID INC MW-5	302502 910835	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	10 --	4 PLASTIC	4 5-10	0399	D W
O33	-8128Z	RITE-AID INC MW-6	302502 910835	AQUIFER CODE NOT ASSIGNED CRA	O94	O7S	O1E	MONITOR	10 --	4 PLASTIC	4 5-10	0399	D W
O33	-8245Z	MARABELLAS 66 MW-1	302527 910926	AQUIFER CODE NOT ASSIGNED SOIL TESTING	O94	O7S	O1E	MONITOR	15 --	4 PLASTIC	4 6-15	0999	D W
O33	-8246Z	MARABELLAS 66 MW-2	302527 910926	AQUIFER CODE NOT ASSIGNED SOIL TESTING	O94	O7S	O1E	MONITOR	16 --	4 PLASTIC	4 7-16	0999	D W
O33	-8247Z	MARABELLAS 66 MW-3	302527 910926	AQUIFER CODE NOT ASSIGNED SOIL TESTING	O94	O7S	O1E	MONITOR	16 --	4 PLASTIC	4 7-16	0999	D W
O33	-8248Z	MARABELLAS 66 MW-4	302527 910926	AQUIFER CODE NOT ASSIGNED SOIL TESTING	O94	O7S	O1E	MONITOR	16 --	4 PLASTIC	4 7-16	0999	D W
O33	-8249Z	MARABELLAS 66 MW-5	302527 910926	AQUIFER CODE NOT ASSIGNED SOIL TESTING	O94	O7S	O1E	MONITOR	16 --	4 PLASTIC	4 7-16	0999	D W

NUMBER OF WELLS SELECTED IN PARISH = 149

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

June 26, 2002

Mr. Neal D. Hendrick
Zippy's L.L.C.
643 Hillgate Place
Baton Rouge, LA 70808

Re: Corrective Action Plan (CAP) Addendum Approval
Marabella's 66 (Lill's Car Care); Agency Interest (AI) No. **20657**
UST Facility ID No. 17-013437; Incident No. UE-99-2-0027
3155 Perkins Road; Baton Rouge, East Baton Rouge Parish

Dear Mr. Hendrick:

The Louisiana Department of Environmental Quality-Remediation Services Division (LDEQ-RSD) has reviewed ICON Environmental Services, Inc.'s CAP Addendum dated May 8, 2002, for the referenced facility. Thank you for providing this information.

The CAP addendum, which consists of excavating and disposing of approximately 2000 cubic yards of soil and changing the Soil Vapor Extraction and Groundwater Vacuum Enhanced Extraction system to a groundwater recovery and treatment system via air stripping may be implemented as proposed. The CAP addendum replaces the CAP approved on October 9, 2001. The remedial cost estimate of $347,781 is noted for future reference with a final decision on the amount of reimbursement to be made after an application to the Motor Fuels Trust Fund (MFTF) has been reviewed and eligibility determined. All costs must be in agreement with the latest edition of the *MFTF Cost Control Guidance Document*.

It is imperative that any changes in the approved CAP are completely documented by submission of a written addendum or change order accompanied by cost estimates and that these changes be formally approved by the Administrator of the RSD prior to instituting the changes. Any MFTF claims that exceed approved cost estimates will not be reimbursed without previously approved addenda or change orders.

Initiation of the corrective action process must be verified by submittal of a cover letter with a schedule for implementation of corrective action activities recorded on the DEQ provided form (attachment). The LDEQ Remediation Services Division at the enclosed address must receive the cover letter and completed form/schedule within 45 days of receipt of Department approval of the corrective action work plan.

Your cooperation will be appreciated. Please contact me at (225) 765-2682 with any questions. All correspondence should be submitted in triplicate to Mr. Keith L. Casanova, RSD Administrator, at the address listed on the letterhead. Please include the referenced AI number on all correspondence and direct one of the copies to my attention.

Sincerely,

Michael T. Picou

Michael T. Picou
Staff Scientist

Attachment

c: LDEQ File Scanning Room 1400-UST
Ms. Terri Gibson, RSD
Mr. Patrick Broussard, ICON

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

August 6, 2004

Neal Hendrick
Zippy's L. L. C.
643 Hillgate Place
Baton Rouge, LA 70808

RE: No Further Action Notification
Marabella's 66; **Agency Interest (AI) No. 20657**
UST Facility ID No. 17-013438; Incident No. UE-99-2-0027
3155 Perkins Road, Baton Rouge, East Baton Rouge Parish

Dear Mr. Hendrick:

The Louisiana Department of Environmental Quality – Remediation Services Division (LDEQ-RSD) has completed its review of your Calculation of 95% UCL-AM for Benzene and Request for a No Further Action At This Time Determination (NFA-ATT) dated June 10, 2004 for the above referenced area of investigation located at 3155 Perkins Road, Baton Rouge in East Baton Rouge Parish. Based on our review of this document and all previously submitted information, we have determined that no further action is necessary at this time. The Basis of Decision for this notification is attached.

If you have any questions or need further information, please call Heather Pruett at (225) 219-3227. Thank you for your cooperation in addressing this area.

Sincerely,

Keith L Casanova

Keith L. Casanova, Administrator
Remediation Services Division

hep

Attachment: BOD

c: LDEQ File Scanning Room 144-UST
Pat Broussard, ICON, Inc., 1055 Convention Street, 2nd Floor, Baton Rouge, LA 70802

recycled paper
CONTAINS SOYOIL

BASIS OF DECISION FOR NO FURTHER ACTION

Zippy's LLC
AI # 20657

The Louisiana Department of Environmental Quality – Remediation Services Division (LDEQ-RSD) has determined that Zippy's LLC requires No Further Action At This Time.

The property was previously used as an Exxon and Phillips 66 service station and was formerly owned and operated by Frank Marabella from 1961 to 1996. In 1985, Exxon removed the original underground storage tank (UST) system. After removal, a pressurized UST system was installed that consisted of two 6,000-gallon gasoline USTs and one 4,000-gallon gasoline UST. These tanks were removed in 1998 and the site was utilized for a car repair shop (Lill's Car Care) until 2000. The site was purchased by Zippy's, L.L.C on March 15, 2001, and is currently used as a Mexican Restaurant.

The Area of Investigation was closed in accordance with RECAP using Appendix I non-industrial standards. The site is no longer an active retail fuel facility and all USTs have been removed. Contaminated soils on site have been excavated and replaced with uncontaminated backfill.

The constituents of concern present that now meet the approved remediation standard are noted in the following table. The media impacted by these constituents include soil and groundwater. Groundwater at this site has been classified as GW3 non-drinking water. The closest drinking water well is 3,432 feet from the site a depth of 504 feet.

Constituent of Concern (Soil)	Maximum Remaining Concentration (mg/Kg)	Limiting RECAP Standard (Appendix I non-industrial) (mg/Kg)
Benzene	2.37	2.6
Ethylbenzene	5.35	230
Toluene	<0.25	396
Xylene	16.6	150
TPH-GRO	274	330

Constituent of Concern (Groundwater)	Maximum Remaining Concentration (mg/L)	Limiting RECAP Standard (Appendix I) (mg/L)
Benzene	0.076	43.9
Ethylbenzene	0.038	170
Toluene	0.181	530
Xylene	0.60	160
TPH-GRO	2.13	10,000

Soil remediation activity began on July 1, 2002 and was completed on July 5, 2002. Soils were excavated to an approximate depth of 10-feet below ground surface (bgs). Approximately 1200 tons of contaminated soils were removed and disposed of at Woodside Landfill in Walker, LA. The excavation was immediately backfilled with sand, and the area was covered with crushed concrete and limestone groundcover.

In order to address groundwater contamination, a soil vapor extraction/vacuum-enhanced extraction system (SVE/VEE) was installed. The two French drains and sump pumps were installed approximately 10-feet bgs, and an air stripper was installed. On January 3, 2003, following the completion of the installation activities, the groundwater treatment operation began. ICON Environmental Services, Inc. performed quarterly sampling of monitoring wells and sumps, and system operation and maintenance. On September 16, 2003 closure certification activities (closure borings) were implemented. Soil sample results from three of five closure borings were greater than the soil RECAP standard.

A second soil excavation in the vicinity of the two closure borings above the soil RS was completed on January 10, 2004. Soils were excavated to an approximate depth of 10-feet bgs. Approximately 500 tons of contaminated soils were removed and disposed of at Woodside Landfill. The excavation area was immediately backfilled and covered with crushed concrete. Results of the confirmatory bottom and sidewall samples were below the soil RS except at P-13. Due to its location, an SPLP sample was obtained in the vicinity of closure boring CB-3 (Perkins Rd Right-of-Way) on January 26, 2004. The result of the SPLP analysis eliminates the soil to groundwater pathway for benzene and TPH-GRO.

The groundwater treatment system was continuously operated from January 2003 through November 2003. A total of approximately 97,000 gallons of groundwater was recovered and treated during the period. All results from quarterly groundwater sampling are below the site-specific groundwater RS.

No Further Action At This Time is granted when contamination is reduced to the extent necessary to achieve the established standards. Since soil and groundwater COC concentrations on-site are below the non-industrial RS, there are no institutional controls on this property. A conveyance notice addressing the COC concentrations in the Perkins Rd right-of-way will be filed by the LDOTD.

Monitoring wells were plugged and abandoned on July 6-7, 2004 and the groundwater treatment system was decommissioned on July 6, 2004. Groundwater recovery sumps associated with treatment system were removed,plugged and abandoned on July 26, 2004.

OFFICE OF ENVIRONMENTAL ASSESSMENT
REMEDIATION SERVICES DIVISION

SECTION: RSD
ORIGINATOR: HEP

PROJECT:
DATE: 8/3/04

AI # 20657
Other #

	Req'd.	Signature	Date	Comments
Immediate Supervisor				
Section Mgr./Supvr.	X	[signature]	8/3/4	
Section Secretary	X	Amy C. Lewis	8/3/04	
Executive Secretary				
Administrator	X	Keith L. Casanova	AUG 06 2004	NFA
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

08/28/2001

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Cracker Barrel Stores, Inc. ✓
ADDRESS 12221 Industriplex Blvd.
Baton Rouge, LA 70809

FACILITY Cracker Barrel Store No. 28 /
LOCATION 133 Lobdell Highway
Port Allen, LA 70767 LDEQ AI No. 74892

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16)	(17-19)
LAG 531726	001
PERMIT NUMBER	DISCHARGE NUMBER

MINOR / MAJOR

MONITORING PERIOD						
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	04	01	01		04	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

***** NO DISCHARGE [ ] *****

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) WEEKLY AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) WEEKLY AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Biological Oxygen Demand (BOD-5)	SAMPLE MEASUREMENT				48.2	112.1[1]	176		2	2/6 months	Grab
	PERMIT REQUIREMENT					45		mg/L		1/6 months	Grab
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT					33.0			0	1/6 months	Grab
	PERMIT REQUIREMENT					45		mg/L		1/6 months	Grab
Oil & Grease (O&G)	SAMPLE MEASUREMENT					13.6			0	1/6 months	Grab
	PERMIT REQUIREMENT					15		mg/L		1/6 months	Grab
Fecal Coliform	SAMPLE MEASUREMENT					ND			0	1/6 months	Grab
	PERMIT REQUIREMENT					400		col/ 100 mL		1/6 months	Grab
pH	SAMPLE MEASUREMENT				7.2		7.2		0	1/6 months	Grab
	PERMIT REQUIREMENT				6.0		9.0	std. units		1/6 months	Grab
Flow	SAMPLE MEASUREMENT		1,522						0	1/6 months	Estimate
	PERMIT REQUIREMENT		REPORT	gpd						1/6 months	Estimate
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
FEB 11 2005
OFFICE OF ENVIRONMENTAL COMPLIANCE ENFORCEMENT DIVISION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Ryan Wooten Project Manager	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY *DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM* DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING *THE INFORMATION, THE INFORMATION SUBMITTED IS*, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Lyn Wooten	225	753-3200	05	01	28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

ND = Not Detected at the laboratory detection limit. [1]Represents average value for the period. BOD exceedences occurred on 10/15/04 (48.2 mg/L) and 11/22/04 (176 mg/L). The sanitary sewer treatment system will be inspected and serviced as required to reduce effluent concentrations to within acceptable levels.

Computer Reproduction EPA Form 3320-1

cb28dmrdec04

LDEQ-EDMS Document 2677729, Page 1 of 1

I0-W

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

DEC 1 4 2004

MIKE D. McDANIEL, Ph.D.
SECRETARY

CERTIFIED MAIL 7004 0750 0003 5676 3959
RETURN RECEIPT REQUESTED

AI No.: 74892
Activity No.: GEN20040001

MAIN FILE COPY

Mr. Ryan Wooten
American General Investments, LLC
12221 Industriplex Blvd.
Baton Rouge, LA 70809

RE: Louisiana Pollutant Discharge Elimination System (LPDES) permit LAG531726

Dear Mr. Wooten:

The Office of Environmental Services (Office) has received and reviewed your application for a discharge permit for your gasoline station located at 133 Lobdell Highway, Port Allen, West Baton Rouge Parish. This facility has been determined eligible for coverage under our general permitting system. Therefore, pursuant to the Louisiana Environmental Quality Act (LA R.S. 30:2001, *et seq.*), the attached Louisiana Pollutant Discharge Elimination System general permit number LAG531726 has been issued authorizing

Cracker Barrel Store No. 28
133 Lobdell Highway
Port Allen, LA 70767
Telephone Number: (225) 753-2136

to discharge treated sanitary wastewater totaling less than 2,500 gallons per day (GPD) maximum quantity from your facility via local drainage to Choctaw Bayou. Please read the entire permit very carefully to ensure that you thoroughly understand the conditions of the permit. Any future correspondence on this permit should reference your permit number and the above listed AI number.

Your facility will be assessed an Annual Maintenance and Surveillance Fee in the amount of $118.80. This Office will invoice annually for this fee based upon the state's fiscal year (July 1 through June 30).

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Water quality studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5 mg/L $CBOD_5$ and 2 mg/L NH_3-N. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The permittee shall follow the final effluent limitations and monitoring requirements in **Part I, Section B, Schedule A, Page 3 of 7.** In accordance with Part I, Section C, monitoring results shall be reported on a Discharge Monitoring Report (DMR) per the schedule specified. A copy of the form to be used is attached. Copies of DMRs should be sent to the Enforcement Division of the Office of Environmental Compliance and the LDEQ Capital Regional Office at the addresses in the CURRENT ADDRESSES list attached to this cover letter. (Please note that some addresses might have changed from those listed in the permit.)

For all sanitary treatment plants, the plans and specifications must be approved by the Department of Health and Hospitals, Office of Public Health, 6867 Bluebonnet Rd., Box 7, Baton Rouge, Louisiana 70810, (225) 765-5038.

Please note that the State has renumbered the regulations in the Environmental Regulatory Code (ERC). A Renumbering Equivalency Chart for the references to the environmental regulations has been included in this package. Your general permit has several references to an older edition of the ERC. You may use the equivalency chart to find the new regulation numbers.

If you have any questions about the issuance of a general permit for this facility, please contact Aaron Cox at the address on the first page of this letter or telephone (225) 219-0940.

Sincerely,

Tom Killeen, Environmental Manager
Minor Industrial and Municipal Permit Section

aac

Attachments: Appendix A, DMR, statement of basis, renumbering equivalency chart, Permit Parts I, II, III

c: Cover letter and Appendix A

Chad D'Gerolamo
Engineering Associates, Inc.
1415 Delplaza Dr., Ste. B
Baton Rouge, LA 70815

Gayle Denino
Office of Management & Finance

Permit Compliance Unit
Office of Environmental Compliance

Aaron Cox/Work File
Permits Division

Mr. Doug Vincent, P.E.
Public Health Chief Engineer
Department of Health and Hospitals
Office of Public Health

c: Cover letter and all attachments

IO-W

ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS
CIVIL • ENVIRONMENTAL • LAND SURVEYING

MAIN FILE

original to [illegible]
copy to L2/G2/Bedard

October 12, 2004

Project No. 24119

74892

Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313
Attention: Permits Division

Sanitary General Wastewater Discharge Permit Notice of Intent (NOI)
Cracker Barrel Store No. 28
133 Lobdell Highway
Port Allen, Louisiana
LDEQ AI No. 74892

Dear Sirs:

Attached please find one original and two copies of a completed NOI to discharge treated sanitary wastewater from the captioned site. This submittal is being provided on behalf of our client, Cracker Barrel Stores, Inc. Information provided by the Department of Health and Hospitals (DHH) West Baton Rouge Parish Health Unit relative to the treatment system has been attached and includes a permit number for the system.

We appreciate your assistance in this matter. If you have any questions or need additional information, please call me at (225) 926-2025.

Sincerely,

ENGINEERING ASSOCIATES, INC.

Chad A. D'Gerolamo

Chad A. D'Gerolamo, P.E.
Project Manager

c w/att Mr. Ryan Wooten, Cracker Barrel Stores, Inc.

DEQ - OES
2004 OCT 21 AM 11:40

C:\10-04\24119\DEQ24119.1001

1415 DELPLAZA DRIVE • SUITE B • BATON ROUGE, LOUISIANA 70815 • TELEPHONE: (225) 926-2025 • FACSIMILE: (225) 926-2033

Date October 4, 2004

Agency Interest No. AI 74892

LWDPS Permit No. WP

NPDES/LPDES Permit No. LA

Please check:

- ☒ Initial Permit
- ☐ Permit Modification
- ☐ Permit Renewal
- ☐ Existing Facility

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Environmental Services, Permits Division
Post Office Box 4313
Baton Rouge, La 70821-4313
PHONE#: (225) 219-3181

LPDES NOTICE OF INTENT TO DISCHARGE SANITARY WASTEWATER

(Attach additional pages if needed.)

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must have operational control over the facility operations - see LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant/Owner
(Company, Partnership, Corporation, etc.) Cracker Barrel Stores, Inc. (225-753-2136)

Facility Name Cracker Barrel Store No. 28

Mailing Address 12221 Industriplex Blvd.

Baton Rouge, LA Zip Code: 70809

If applicant named above is not also the owner, state owner name, phone # and address.

Same

Please check status: ☐ Federal ☐ Parish ☐ Municipal ☐ State ☐ Public ☒ Private ☐ Other:

2. Location of facility. Please provide a specific street, road, highway, interstate, and/or River Mile/Bank location of the facility for which the NOI is being submitted.

Cracker Barrel Store No. 28 133 Lobdell Hwy (LA Hwy 415)

City Port Allen Parish West Baton Rouge

Front Gate Coordinates:

Latitude- 30 deg. 27 min. 01 sec. Longitude- 91 deg. 14 min. 44 sec.

Method of Coordinate Determination: Quad Map/website: topozone.com
(Quad Map, Previous Permit, website, GPS)

Is the facility located on Indian Lands? ☐Yes ☒No

DEQ - OES
2004 OCT 21 AM 11:40

SECTION I - FACILITY INFORMATION (cont.)

3. Name & Title of Contact Person at Facility Ryan Wooten

Phone 225-753-3200 Fax 225-752-8029 e-mail rwooten@crackerbarrelstores.com

SIC (Standard Industrial Classification) Code(s): 5541

SIC codes can be obtained from the U. S. Department of Labor internet site at http://www.osha.gov/oshstats/sicser.html

B. Name and address of responsible representative who completed the NOI:

Name & Title Chad D'Gerolamo/Project Manager

Company Engineering Associates, Inc.

Phone 225-926-2025 Fax 225-926-2033 e-mail eaibr@aol.com

Address 1415 Delplaza Drive, Ste B Baton Rouge, LA 70815

C. Facility Information.

1. What is the date by which this permit is needed? October, 2004
2. Who/what does the treatment facility serve? (i.e. apartment complex, subdivision, restaurant, etc.):

gas station/convenience store

3. Does the treatment facility receive any commercial food service waste? ☐Yes ☒No
4. Do any of the following activities occur at this site?

☐Yes ☒No Equipment and/or vehicle washing.
☐Yes ☒No Loading & unloading of chemicals/compounds.
☐Yes ☒No Outside material and/or equipment storage.
☐Yes ☒No Vehicle and/or equipment maintenance.

Explain any "Yes" response(s).

5. Are there any activities that generate wastewater, other than sanitary and those listed above, which occur at this site? If yes, please explain.

No

Any yes answer to questions 4 and/or 5 may exclude you from coverage under this general permit, please contact the Department at (225) 219-3181 to verify eligibility of coverage prior to submittal of this NOI.

6. For new/proposed facilities, please attach a copy of the Louisiana Department of Health and Hospitals approval letter for the plans and specifications of the treatment facility. This information may be obtained from the Louisiana Department of Health and Hospitals, Office of Public Health, 6867 Bluebonnet Road, Box 3, Baton Rouge, Louisiana 70810, (225) 765-5044.

SECTION I - FACILITY INFORMATION (cont.)

6. Complete the following information as it applies to your facility:

SUBDIVISION
____ Number of existing homes
____ Maximum number of connections

TRAILER PARK
____ Number of existing trailers
____ Maximum number of connections

APARTMENT COMPLEX
____ Number of 1 bedroom apartments
____ Number of 2 bedroom apartments
____ Number of 3+ bedroom apartments

BAR/LOUNGE
____ Does the bar have regular food service? (Yes/No)
____ Number of Seats

RV CAMPGROUND
____ Is there a Dump Station? (Yes/No)
____ Volume of waste accepted/day
____ Number of RV spaces

SCHOOLS
____ Elementary School, Number of Pupils
____ Junior & High Schools, Number of Pupils

OFFICE/WAREHOUSE
____ Number of employees

WASHATERIA/LAUNDROMAT
____ Number of washing machines

CHURCH
____ Does the church have a kitchen? (Yes/No)
____ Number of sanctuary seats

RETAIL SHOPPING CENTER
____ Number of employees

HOSPITAL
____ Number of beds

NURSING HOME
____ Maximum number of patients

PUBLICLY OWNED TREATMENT WORKS
_____ Design capacity of treatment facility (gpd)

HOTEL/MOTEL
Any food service available?
____ Number of rooms

RESTAURANT
____ Is the restaurant open 24 hours/day? (Yes/No)
____ Is the restaurant along a freeway? (Yes/No)
____ Is the restaurant considered a "Fast Food" Restaurant? (Yes/No)
____ Number of seats

VIDEO POKER
____ Number of Machines

GAS STATION/CONVENIENCE STORE
__8__ Number of individual fueling points
If food service is offered, please fill out the section regarding restaurants.

SHOWERS
____ Number of individual showers

7. If your facility is not listed above, please give a detailed description including the number of units, number of employees/residents, etc.

Not Applicable

SECTION I - FACILITY INFORMATION (cont.)

8. If this facility is a shopping center, list the types of businesses, square footage of the shopping center, and number of employees served by the treatment facility.

Not Applicable

SECTION II - TREATMENT INFORMATION

A. Treatment Facility Information

1. Provide a description of the treatment facility including the collection system, type of treatment, disinfection and handling of waste materials.

The treatment facility consists of a below ground mechanical treatment unit. Wastewater which enters the unit is treated in an aeration chamber, then gravity flows to a settling basin, then is treated by a chlorine contact chamber prior to final discharge.

2. If this treatment plant receives any wastewater other than sanitary, list the source(s) and amounts.

Not Applicable

SECTION III - DISCHARGE INFORMATION

A. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Make additional copies for each outfall.

Number of outfalls: 1

1. Outfall Identification. Provide a description of all operations contributing wastewater to the effluent. (ex: Outfall 001 – sanitary wastewater – 5,000 gpd)

Outfall No.	Operation Contributing Flow	Average Flow (gpd)
001	Sanitary Wastewater	500

2. Outfall Location. Provide a description of the physical location for each outfall.

001-Located to the southwest of the store building. The effluent from outfall 001 is discharged into an unnamed ditch.

3. Latitude/Longitude of Discharge:

Latitude- 30 deg. 27 min. 01 sec. Longitude- 91 deg. 14 min. 44 sec.

Method of Coordinate Determination: Quad map/website: topozone.com
(Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? existing discharge
5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

By effluent pipe (effluent pipe, ditch, etc.);

thence into unnamed ditch (parish drainage ditch, canal, etc.);

thence into Choctaw Bayou (named bayou, creek, stream, etc.);

thence into Intracoastal waterway (river, lake, etc.).

6. If the discharge is intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Months per Year	Number of Days per Week	Number of Hours per Day	Long Term Avg.	Daily Maximum
12	7	24	0.005	0.005

SECTION IV – COMPLIANCE HISTORY

A. Report the history of all violations and enforcement actions for the facility, a summary of all permit excursions including effluent violations reported on the facility's Discharge Monitoring Reports (DMRs) and bypasses for the last three years. Using a brief summary, report on the current status of all administrative orders, compliance orders, notices of violation, cease and desist orders, and any other enforcement actions either already resolved within the past 3 years or currently pending. The state administrative authority may choose, at its discretion, to require a more in-depth report of violations and compliance actions for the applicant covering any law, permit, or order concerning pollution at this or any other facility owned or operated by the applicant.

SECTION V – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

☒ Permits in Louisiana. List Permit Numbers: LAG531083, LAG531006, LAG530152, LAG531229, LAG530153, LAG531144

☐ Permits in other states (list states): None

☐ No other environmental permits.

B. Do you owe any outstanding fees or final penalties to the Department? ☐ Yes ☒ No

If yes, please explain. _____

C. Is your company a corporation or limited liability company? ☒ Yes ☐ No

If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

SECTION IV – COMPLIANCE HISTORY

A. No violations or compliance actions regarding the sanitary sewer treatment unit have been issued for the facility.

(Include Facility Name/Location if different)

DISCHARGE MONITORING REPORT *(DMR)*

NAME Cracker Barrel Stores, Inc.

ADDRESS 12221 Industriplex Blvd.
Baton Rouge, LA 70809

FACILITY Cracker Barrel Store No. 28

LOCATION 133 Lobdell Highway
Port Allen, LA 70767 LDEQ AI No. 74892

(2-16)	*(17-19)*
LAG 531726	001
PERMIT NUMBER	DISCHARGE NUMBER

MINOR / MAJOR

MONITORING PERIOD						
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05	01	01		05	12	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

***** NO DISCHARGE [ ] *****

NOTE: Read Instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING			*(4 Card Only)* QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(46-53) AVERAGE	*(54-61)* MAXIMUM	UNITS	*(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(62-63)*	*(64-68)*	*(69-70)*
Biological Oxygen Demand (BOD-5)	SAMPLE MEASUREMENT						151		4	5/12 months	Grab
	PERMIT REQUIREMENT						45	mg/L		1/6 months	Grab
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT						72		1	2/12 months	Grab
	PERMIT REQUIREMENT						45	mg/L		1/12 months	Grab
Fecal Coliform	SAMPLE MEASUREMENT						310		0	1/12 months	Grab
	PERMIT REQUIREMENT						400	col/ 100 mL		1/12 months	Grab
pH	SAMPLE MEASUREMENT				8.0		8.0		0	1/12 months	Grab
	PERMIT REQUIREMENT				6.0		9.0	std. units		1/12 months	Grab
Flow	SAMPLE MEASUREMENT		254						0	1/12 months	Estimate
	PERMIT REQUIREMENT		REPORT	gpd						1/12 months	Estimate
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RCV'D: JAN 31 2006 COMPLIANCE ENVIRONMENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Ryan Wooten
Project Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
225	753-3200	06	01	25
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
See attached Non-Compliance Report.

Computer Reproduction EPA Form 3320-1

cb28dmrjan05

LDEQ-EDMS Document 5611192, Page 1 of 2

NON-COMPLIANCE REPORT

Facility Name: Cracker Barrel Store No. 28, LDEQ AI No. 74892
Permit No.: LAG531726
Month/Year: October and November/2004
Authorized Signature/Date: 01/28/05

Type of Violation	Permit Limit	Date of Violation	Duration of Violation	Cause of Violation	Corrective Action
BOD (48.2 mg/L)	45 mg/L	10/15/04	Unknown	Insufficient aeration.	The sanitary sewer treatment system will be inspected and serviced in an effort to reduce effluent concentrations to within acceptable levels.
BOD (176 mg/L)	45 mg/L	11/22/04	Unknown	Insufficient aeration.	Same

LDEQ-EDMS Document 2610037, Page 2 of 2

File: LAG531726 "D"

NON-COMPLIANCE REPORT

Facility Name: Cracker Barrel Store No. 28, LDEQ AI No. 74892
Permit No.: LAG531726
Month/Year: April, July, August, and November 2005
Authorized Signature/Date: 1/25/06

Type of Violation	Permit Limit	Date of Violation	Duration of Violation	Cause of Violation	Corrective Action
BOD (48 mg/L)	45 mg/L	04/21/05	Unknown	Insufficient aeration.	Subsequent to the April 21, 2005 BOD and TSS exceedances, the aerator was determined to be obstructed by miscellaneous trash inside the treatment system. The aerator was cleaned and put back into service. The treatment system, which is buried under several feet of dirt, was uncovered to allow access to the aeration chamber. The aeration chamber was then cleaned out using a vacuum truck in June 2005. A discharge sample collected on 07/25/05 exhibited a TSS concentration within the permit limits (32 mg/L). A new aerator was installed in July 2005. The system was also "fed" in an effort to facilitate bacterial growth in the system. A discharge sample collected on 12/12/05 exhibited BOD concentration that was within acceptable levels (8.1 mg/L).
TSS (72 mg/L)	45 mg/L	04/21/05	Unknown	Excessive solids.	
BOD (>70 mg/L)	45 mg/L	07/25/05	Unknown	Insufficient aeration.	
BOD (>74 mg/L)	45 mg/L	08/25/05	Unknown	Insufficient aeration.	
BOD (151 mg/L)	45 mg/L	11/07/05	Unknown	Insufficient aeration due to power outages.	

RECEIVED
JAN. 31 2006
ENVIRONMENTAL COMPLIANCE

C:\01-06\24119\cb28noncomrpt.april05

LDEQ-EDMS Document 5533096, Page 1 of 1

MAIN FILE

original to IOW
copy to MG/G1/Cedars
AVG
AI# 74892

ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS
CIVIL • ENVIRONMENTAL • LAND SURVEYING

August 15, 2007

Project No. 26035

Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313
Attention: Permits Division

2007 AUG 20 AM 11:11

Request for Modification To Sanitary Wastewater General Permit No. LAG531726
Cracker Barrel No. 28 (AI No. 74892)
133 Lobdell Hwy
Port Allen, Louisiana
AI No. 74892 GEN20070001

Dear Sirs:

We are hereby requesting a modification to existing Sanitary Wastewater Permit No. LAG531726 on behalf of our client, North American Financial Group, L.L.C., dba Cracker Barrel Stores, Inc. Our client is currently constructing a new Cracker Barrel convenience store to replace the store currently located on the site. A Blimpie's restaurant will also be located in the Cracker Barrel building.

A new 3500 gpd commercial sewage treatment system will be installed to replace the currently permitted 500 gpd system. The new sewage treatment system has been approved by the Department of Health and Hospitals as evidenced by the attached correspondence. It should be noted that the effluent discharge outfall location has not changed and will flow through subsurface piping and thence into a parish maintained canal. A copy of a quadrangle map showing the discharge flow path has been attached.

C:\08-07\26035.080807

2007 AUG 20

1415 DELPLAZA DRIVE • SUITE B • BATON ROUGE, LOUISIANA 70815 • TELEPHONE: (225) 926-2025 • FACSIMILE: (225) 926-2026

LDEQ-EDMS Document 5862437, Page 2 of 7

We appreciate your assistance in this matter. If you have any questions or need additional information, please give us a call (225) 926-2025.

Sincerely,

ENGINEERING ASSOCIATES, INC.

Jonathan D. Lyles
Project Manager

Stephen J. Burnham, P.E.
President

c w/att Mr. Jim Bickley, Cracker Barrel Stores, Inc.

C:\08-07\26035.080807

ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Permit Number: LAG531726
Agency Interest Number: 74892

March 7, 2008

Cracker Barrel Stores Inc #28 & Blimpie Restaurant - WWTP
12221 Industriplex Blvd
Baton Rouge, Louisiana 70809

RE: Renewal of Coverage under LPDES General Permit for Class I Sanitary Discharges

Dear Permittee:

The Louisiana Pollutant Discharge Elimination System (LPDES) Class I Sanitary General Permit previously issued to your facility expired on November 30, 2007. The Class I permit has been reissued with an effective date of December 1, 2007. For eligible facilities, notification of automatic coverage under this new permit is being provided by means of this letter. Pursuant to the Louisiana Environmental Quality Act (La R.S. 30:2001 et seq), authorization under the reissued permit, is hereby extended to

Cracker Barrel Stores Inc #28 & Blimpie Restaurant - WWTP
133 Lobdell Hwy 415
Port Allen, LA
West Baton Rouge Parish

to discharge treated sanitary wastewater. This permit replaces and cancels the prior version of the permit, which was previously issued to your facility. If you are no longer operating, ownership has changed, or your discharge flow has increased, you are required to provide this information in a letter to this Office so that the appropriate action concerning your permit can be addressed.

Please note that your permit number will remain the same. **To ensure that all correspondence regarding this facility is properly filed into the Department's Electronic Document Management System, you must reference your Agency Interest number AI 74892 and LPDES general permit authorization number LAG531726 on all future correspondence to this Department, including Discharge Monitoring Reports.**

The permittee shall follow the Effluent Limitations and Monitoring Requirements established in Appendix A, which is attached to this permit. Appendix A is facility specific and details which schedule(s) from Part I of the permit will apply to the facility. Please note that any schedule in Part I of the permit that is **NOT** listed in Appendix A shall **NOT APPLY** to this particular facility.

Monitoring results should continue to be reported to the Enforcement Division on a Discharge Monitoring Report (DMR) form. A copy of the form is attached for your use. **Copies of DMRs should be sent to the Enforcement Division, Office of Environmental Compliance, Louisiana Department of Environmental Quality, P.O. Box 4312, Baton Rouge, Louisiana 70821-4312.**

Your facility will be assessed an Annual Maintenance and Surveillance Fee in the amount of $99.00, to be invoiced separately by the agency. An Oyster Sanitation Fee will also be assessed to applicable discharges in the following basins: Atchafalaya River, Barataria, Lake Pontchartrain, Mississippi River, and Terrebonne. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code. Pursuant to LAC 33.IX.1309.I, LAC 33.IX.6509.A.1 and LAC 33.I.1701, you must pay any outstanding fees to the Department. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. Any outstanding fees must be remitted via a check to the Louisiana Department of Environmental Quality within thirty (30) days after the effective date of your permit. Failure to pay the full amount due in the manner and time prescribed could result in enforcement actions as prescribed in the Environmental Quality Act, including, but not limited to revocation or suspension of this permit, and/or a civil penalty.

For all sanitary treatment plants, the plans and specifications must be approved by the Department of Health and Hospitals, Office of Public Health, P.O. Box 4489, Baton Rouge, Louisiana 70821-4489, (225) 342-7395.

Please be advised that according to LA R.S. 48:385, any direct discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from the Louisiana Department of Transportation and Development, P.O. Box 94245, Baton Rouge, Louisiana 70804, (225) 379-1927, and from the Department of Health and Hospitals, Office of Public Health, P.O. Box 4489, Baton Rouge, Louisiana 70821-4489, (225) 342-7395.

Should you have any questions concerning the general permit, please feel free to contact Afton Bessix at (225) 219-3096 or Rachel Owens at (225) 219-3081.

Sincerely,

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

Attachments: DMR Form and Permit (Parts I-III and Appendices A-C)

cc: Cover Letter and all Attachments

IO-W

Louisiana Department of Environmental Quality
Office of Environmental Services

APPENDIX A

Louisiana Pollutant Discharge Elimination System (LPDES)
General Permit LAG531726

Cracker Barrel Stores Inc #28 & Blimpie Restaurant - WWTP
133 Lobdell Hwy 415
Port Allen, LA

In accordance with **Part II, Section N**, monitoring results shall be reported on a Discharge Monitoring Report (DMR) per the schedule specified. A DMR form must be completed for each wastewater discharge point (outfall) listed below. Instructions are provided on the back of the DMR form.

When completing a DMR form, the permittee shall place the discharge number of the corresponding wastewater discharge point in the "Discharge Number" box. The following is a list of the wastewater discharge point(s) from your facility with the assigned discharge number, discharge location, and the final effluent limitations and monitoring requirements:

Discharge Number	Discharge Location	Discharge Description	Final Effluent Limitations and Monitoring Requirements
Outfall 001	At the point of discharge from the sewage treatment plant	Treated Sanitary Wastewater	Part I, Section B, Schedule A, Page 3 of 16

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Louisiana Scrap Metal Recycling
ADDRESS: 2527 S. Westport Dr.
Port Allen, LA 70767
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)* DISCHARGE MONITORING REPORT *(DMR)*

RECEIVED
FEB 0 1 2013
LDEQ/OEC
ENFORCEMENT DIVISION

Form Approved
OMB No. 2040-0004

LAR05P504	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	12	01	01	TO	12	03	31

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chemical Oxygen Demand (COD)	SAMPLE MEASUREMENT					20		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT					11		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Aluminum	SAMPLE MEASUREMENT					0.019		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Copper	SAMPLE MEASUREMENT					0.008		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Iron	SAMPLE MEASUREMENT					0.054		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Lead	SAMPLE MEASUREMENT					0.008		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Zinc	SAMPLE MEASUREMENT					0.014		mg/L		01/90	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Chip DeJean General Manager	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(225) 389-1108		2013	1	28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

LDEQ-EDMS Document 8749329, Page 1 of 3

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Louisiana Scrap Metal Recycling
ADDRESS: 2527 S. Westport Dr.
Port Allen, LA 70767
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2040-0004

LAR05P504	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	12	01	01	TO	12	03	31

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chemical Oxygen Demand (COD)	SAMPLE MEASUREMENT					20		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT					4		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Aluminum	SAMPLE MEASUREMENT					0.049		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Copper	SAMPLE MEASUREMENT					0.009		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Iron	SAMPLE MEASUREMENT					0.175		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Lead	SAMPLE MEASUREMENT					0.026		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Zinc	SAMPLE MEASUREMENT					0.013		mg/L		01/90	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Chip DeJean General Manager	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	C. D. Jean	(225) 389-1108	2013	1	28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

LDEQ-EDMS Document 8749329, Page 2 of 3

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail 7005 1820 0002 2088 6979
Return Receipt Requested

File No. LAR05P505
AI No. 180689
GEN20120001

March 23, 2012

Mr. Chip Dejean
Louisiana Scrap Metal Recycling
2527 South Westport Drive
Port Allen, Louisiana 70767

Re: Storm Water Multi-Sector General Permit (MSGP) Coverage Notice
Louisiana Pollutant Discharge Elimination System (LPDES)

Dear Mr. Dejean:

Your Notice of Intent (NOI) received February 22, 2012, for the facility named below has been processed and is administratively complete.

Facility:	Louisiana Scrap Metal Recycling Facility
Location:	2527 South Westport Drive, Port Allen
Parish:	West Baton Rouge

This facility, if qualified under the conditions of the permit and unless notified otherwise by this Office, is authorized to discharge storm water associated with industrial activity to the Intracoastal Waterway under the terms and conditions imposed by Louisiana's LPDES Multi-Sector General Permit. Based on your reported SIC code, you must follow the sector-specific requirements in Part 6.N of the permit. Your facility's MSGP authorization number is LAR05P505. **This number and the Agency Interest Number listed above should be referenced in all future correspondence with this office.**

This general permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and annual inspections. Among the conditions and requirements of this permit, you must prepare and implement a storm water pollution prevention plan (SWPPP) that is tailored to your industrial site. You are encouraged to include Best Management Practices for Vehicle Mercury Switch Removal and other measures, as found in LDEQ's Mercury Reduction Initiative, http://www.deq.louisiana.gov/portal/PROGRAMS/MercuryInitiative.aspx. As a facility authorized to discharge under this general permit, all terms and conditions must be complied with in order to maintain coverage and to avoid possible penalties.

Your facility will be assessed an Annual Maintenance and Surveillance Fee to be invoiced separately by the agency. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code. Pursuant to LAC 33.IX.1309.I, LAC 33.IX.6509.A.1 and LAC 33.I.1701, you must pay any outstanding fees to the Department. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. **Any outstanding fees must be remitted via a check to the Louisiana Department of Environmental Quality within thirty (30) days after the effective date of authorization under the permit.** Failure to pay the full amount due in the manner and time prescribed could result in applicable enforcement actions as prescribed in the Environmental Quality Act, including, but not limited to, revocation or suspension of the applicable permit, and/or a civil penalty against you.

The General Permit LAR050000 can be accessed on the DEQ web site at: *http://www.deq.louisiana.gov/portal/Default.aspx?tabid=245* or by entering the Document ID 7925132 in LDEQ's Electronic Document Management System (EDMS) search window found at http://edms.deq.louisiana.gov/app/doc/querydef.aspx. In the event you are unable to access and/or print a copy of this permit for your records from one of the above listed sources, please contact the Water Permits Division at (225) 219-9371 to request a hard copy be sent by mail. In compliance with LAC 33:IX.2701.H, as a permittee, you may be required to provide your own copy of the permit.

If you have questions concerning the storm water program, please call Debbie Bissett at 225-219-3603 in the Municipal and General Water Permits Section.

Sincerely,

Tom Killeen

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

ec: Permit Compliance Unit
Office of Environmental Compliance

Capital Regional Office
Office of Environmental Compliance

c: IO-W

original to IOW AI 180689
cw
copy to M6/G1 bissett
PMR

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Environmental Services, Water Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
PHONE#: (225) 219-9371

GEN20120001

MAIN FILE

FEB 22 2012

LPDES NOTICE OF INTENT (NOI) TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE LPDES MULTI-SECTOR GENERAL PERMIT

(Attach additional pages if needed.)

Submittal of this Notice of Intent (NOI) constitutes notice that the entity identified in Section I of this form requests authorization by LDEQ's Multi-Sector General Permit for stormwater discharges associated with industrial activity in Louisiana. Submittal of the NOI also constitutes notice that the party identified in Section I of this form has read, understands, and meets the eligibility conditions of Part 1.1 – 1.2.1. of the permit; agrees to comply with all applicable terms and conditions of the permit; understands that continued authorization under the permit is contingent on maintaining eligibility for coverage, and that the permittee is required to implement a stormwater management program. In order to be granted coverage, all information required on this form must be completed. Two copies of the completed NOI (one original and one copy) should be mailed to the Water Permits Division at the above address.

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must have operational control over the facility operations - see LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant (Company, Partnership, Corporation, etc.) Louisiana Scrap Metal Recycling

Facility Name Louisiana Scrap Metal Recycling Facility

Mailing Address 2527 South Westport Drive

City Port Allen, LA Zip 70767 Phone (225)389-1108

If applicant named above is not also the owner, state owner name, phone # and address.

N/A

Please check status: ☐ Federal ☐ Parish ☐ Municipal ☐ State ☐ Public ☒ Private ☐ Other

2. Location of facility. Please provide a specific address, street, road, highway, interstate, and/or River Mile/Bank location of the facility for which the NOI is being submitted.

2527 South Westport Drive

City Port Allen, LA Zip 70767 Parish West Baton Rouge

Front Gate Coordinates:

Latitude- 30 deg. 26 min. 44 sec. Longitude- 91 deg. 14 min. 18 sec.

Method of Coordinate Determination: GIS
(Quad Map, Previous Permit, website, GPS)

Is the facility located on Indian Lands? ☐ Yes ☒ No

SECTION I - FACILITY INFORMATION (cont.)

B. Discharge Information

1. Indicate the first named waterbody that will receive the stormwater discharge under this permit.

   Gulf Intracoastal Waterway (GIWW) - LA Subsegment 120109

2. If discharge from facility first enters a Municipal Separate Storm Sewer System (MS4), provide the name of the MS4.

   N/A

3. SIC Codes/Storm Water Activity Codes applicable to facility:

   Primary Code 5093 Secondary Codes N/A

   SIC codes can be obtained from the U. S. Department of Labor internet site at http://www.osha.gov/oshstats/sicser.html

4. Sectors of Industrial Activity the facility will be covered under (see Part 1.2.1 of Permit)

   Sector N - Scrap Recycling Facilities (non-source separated)

5. Has the Stormwater Pollution Prevention Plan (SWPPP) been prepared, including obtaining and attaching a copy of the permit language? **Note: The SWPPP must be completed prior to submittal of the NOI.**

   [X] Yes [ ] No

   Do not submit the SWPPP with this NOI.

6. Will discharges from your facility flow to a designated Scenic Stream as classified by the Louisiana Department of Wildlife and Fisheries? (See Attachment A)

   [ ] Yes [X] No

   If "yes", has approval/authorization been obtained by that Department? N/A [ ] Yes [ ] No

7. Will discharges from your facility flow directly to a water body designated as an Outstanding Natural Resource (See LAC 33:IX §1123, Table 3)?

   [ ] Yes [X] No

   If yes, additional information may be required to determine if the discharge is in compliance with the antidegradation policy and plan (See LAC 33:IX.1109.A and 1119).

8. Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or in proximity to the discharge?

   [ ] Yes [X] No

7. Was the State Historic Preservation Officer (see Permit Part 1.2.3.7) involved in your determination of eligibility?

   [ ] Yes [X] No

8. Based on the Endangered Species Guidance (Attachment B), I am eligible for permit coverage according to Criterion: ____ A ____ B ____ C X D ____ E

9. Will coverage under the Multi-Sector General Permit replace an LPDES Permit?

   [ ] Yes [X] No

   If yes, please list the permit number: N/A

SECTION II – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits in other states which are identical to, or of a similar nature to, the permit for which you are applying? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

[X] Permits in Louisiana. List Permit Numbers: LAG750453, LAR05M632

[ ] Permits in other states (list states): _____

[ ] No other environmental permits. _____

B. Do you owe any outstanding fees or final penalties to the Department? [ ] Yes [X] No

If yes, please explain.

N/A

C. Is your company a corporation or limited liability company? [X] Yes [ ] No

If yes, is the corporation or LLC registered with the Secretary of State? [X] Yes [ ] No

According to the Louisiana Water Quality Regulations, LAC 33:IX.2503, the following requirements shall apply to the signatory page in this application:

Chapter 25. Permit Application and Special LPDES Program Requirements

2503. Signatories to permit applications and reports

A. All permit applications shall be signed as follows:

1. For a corporation - by a responsible corporate officer. For the purpose of this Section responsible corporate officer means:

(a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

(b) The manager of one or more manufacturing, production, or operating facilities provided: the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and the authority to sign documents has been assigned or delegated to the manager in accordance with corporation procedures.

NOTE: LDEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in the Permit **Standard Permit Conditions, Part VI.G.1.a(1)** The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate

RECEIVED
FEB 0 2 2015
LDEQ/OEC
ENFORCEMENT DIVISION

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Louisiana Scrap Metal Recycling
ADDRESS: 2527 S. Westport Dr.
Port Allen, LA 70767
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2040-0004

LAR05P504	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2014	10	01	TO	2014	12	31

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chemical Oxygen Demand (COD)	SAMPLE MEASUREMENT					37		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT					37.2		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Aluminum	SAMPLE MEASUREMENT					1.55		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Copper	SAMPLE MEASUREMENT					0.053		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Iron	SAMPLE MEASUREMENT					2.27		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Lead	SAMPLE MEASUREMENT					0.018		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Zinc	SAMPLE MEASUREMENT					0.241		mg/L		01/90	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Chip DeJean General Manager	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(225) 389-1108	2014	12	19
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

LDEQ-EDMS Document 9704059, Page 1 of 3

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Louisiana Scrap Metal Recycling
ADDRESS: 2527 S. Westport Dr.
Port Allen, LA 70767
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2040-0004

LAR05P504	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2014	10	01	TO	2014	12	31

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chemical Oxygen Demand (COD)	SAMPLE MEASUREMENT					20		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Suspended Solids (TSS)	SAMPLE MEASUREMENT					13.6		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Aluminum	SAMPLE MEASUREMENT					0.334		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Copper	SAMPLE MEASUREMENT					0.025		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Iron	SAMPLE MEASUREMENT					0.686		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Lead	SAMPLE MEASUREMENT					0.012		mg/L		01/90	Grab
	PERMIT REQUIREMENT										
Total Recoverable Zinc	SAMPLE MEASUREMENT					0.148		mg/L		01/90	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Chip DeJean General Manager	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(225) 389-1108	2014	12	19
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

LDEQ-EDMS Document 9704059, Page 2 of 3

LDEQ-EDMS Document 9704059, Page 3 of 3

Louisiana Scrap Metal Recycling

2527 S. Westport Dr.
Port Allen, LA 70767

Permit Number: LAR05P504

2014 MSGP Benchmark Monitoring

OUTFALL 001				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Parameter	Benchmark (mg/L)	Average (mg/L)	Over/Under	3/4/2014	6/10/2014	10/3/2014	12/19/2014
Chemical Oxygen Demand (COD)	120	41.75	-78.2500	40.0000	33.0000	57.0000	37.0000
Total Suspended Solids (TSS)	100	15.80	-84.2000	4.0000	12.4000	9.6000	37.2000
Total Recoverable Aluminum	0.75	0.71	-0.0375	0.1670	0.9670	0.1660	1.5500
Total Recoverable Copper*	0.0221	0.0478	0.0257	0.0110	0.0580	0.0690	0.0530
Total Recoverable Iron	1	1.568	0.5678	1.3200	2.0700	0.6110	2.2700
Total Recoverable Lead*	0.151	0.0113	-0.1398	0.0080	0.0080	0.0110	0.0180
Total Recoverable Zinc*	0.18	0.1775	-0.0025	0.0770	0.2470	0.1450	0.2410

OUTFALL 002				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Parameter	Benchmark (mg/L)	Average (mg/L)	Over/Under	3/4/2014	6/10/2014	10/3/2014	12/19/2014
Chemical Oxygen Demand (COD)	120	33.0000	-87.0000	20.0000	24.0000	68.0000	20.0000
Total Suspended Solids (TSS)	100	7.7000	-92.3000	4.0000	6.8000	6.4000	13.6000
Total Recoverable Aluminum	0.75	0.4878	-0.2623	0.0700	1.3300	0.2170	0.3340
Total Recoverable Copper*	0.0221	0.0315	0.0094	0.0050	0.0490	0.0470	0.0250
Total Recoverable Iron	1	1.0880	0.0880	0.8080	2.2500	0.6080	0.6860
Total Recoverable Lead*	0.151	0.0108	-0.1403	0.0070	0.0100	0.0140	0.0120
Total Recoverable Zinc*	0.18	0.1450	-0.0350	0.1010	0.2220	0.1090	0.1480

*Water Hardness Range	3/9/2012	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)
100-125 mg/L	170 mg/L	0.0221	0.151	0.18

Data Excedding Benchmarks-Corrective Actions

In accordance with section 5.7 of the LPDES Multi-Sector Permit General Permit for Storm Water the average of the 4 monitoring values for (Total Recoverable Copper & Iron for Outfall 001) and (Total Recoverable Copper and Iron for Outfall 002) exceeds the benchmark requirements. Louisiana Scrap Metal Recycling will review the selection, design, installation, and implementation of our control measures to determine if modications are necessary to the SWPPP. Louisiana Scrap Metal will make the necessary modifications and continue quartely monitoring until we have completed 4 consecutive quarters of monitoring for which the average concentration of the pollutant does not excees the benchmark.

Name/Title Principal Executive Officer: Chip DeJean, GM

Telephone: (225) 389-1108

Signature of Pricipal Executive Officer: C. DeJean

Date: 1-28-15

JOHN BEL EDWARDS
GOVERNOR

CHUCK CARR BROWN, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Permit #: LAR05P504
SEP 0 6 2016 AI #: 180689

Mr. Chip DeJean
2527 South Westport Drive
Port Allen, LA 70767

Subject: Reissuance of LPDES Storm Water Multi-Sector General Permit for: Louisiana Scrap Metal Recycling, located at 2527 South Westport Drive in Port Allen, West Baton Rouge Parish

Dear Mr. DeJean:

The Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water Multi-Sector General Permit has been reissued, effective May 9, 2016. Pursuant to the Louisiana Environmental Quality Act (La. R.S. 30:2001 et seq.), reauthorization under the permit is hereby granted for the discharge identified above. Based on your reported primary SIC code of **5093**, you must follow the sector-specific requirements in Part 6 of the permit, **N. Scrap Recycling and Waste Recycling Facilities**.

Effective upon the postmark date of this notification, this permit replaces and cancels the prior version of the permit issued for this facility. Please note that your permit authorization number remains the same. Future correspondence regarding the permit should reference your permit authorization number, LAR05P504, and the Agency Interest (AI) number, 180689.

If the facility's SIC code and/or sector information is no longer accurate, you must immediately notify the Water Permits Division in writing. Any other changes to facility information, such as updates to mailing address, responsible official, phone number, email address, etc. should be submitted via email to facupdate@la.gov. Include your permit number and AI number in the email.

A copy of the permit can be accessed and printed from LDEQ's Internet website at http://www.deq.louisiana.gov/portal/ using the following path: DIVISIONS – Water Permits – LPDES Permits – LPDES General Permits – LAR050000 or by entering the Document ID 10184367 in LDEQ's Electronic Document Management System (EDMS) search window found at http://edms.deq.louisiana.gov/app/doc/querydef.aspx. In the event you are unable to access and/or print a copy of this permit for your records from one of the above listed sources, please contact the Water Permits Division at (225) 219-9371 to request a hard copy be sent by mail. In compliance with LAC 33:IX.2701.H, the permittee may be required to provide their own copy of the permit.

You should immediately reassess the operations at your site to ensure that the permit is still applicable to all regulated discharges from your site and that all regulated discharges are adequately permitted. It is your responsibility to immediately notify the Water Permits Division should you discover that you are not eligible for coverage under the reissued general permit. The reissued permit has been reformatted and edited to eliminate many redundancies, errors, and duplicative

requirements that are inherent in the 2011 permit's format. The permit conditions and requirements are similar to those contained in the 2011 version; however, some revisions were made to both general conditions and sector-specific requirements. For a comprehensive list of all changes, please see the Interested Parties (IP) cover letter in EDMS (see Document ID 10184367). **You are responsible for updating your storm water pollution prevention plan (SWPPP) in order to meet all requirements applicable to your Sector(s) within 30 days of receiving this notification.**

Permittees who are required to submit DMRs should note that DMR submittal requirements have changed. LDEQ has recently adopted eReporting requirements. Pursuant to LAC 33:IX.2701.L.4.a, monitoring results shall be reported to the Enforcement Division through a department-approved electronic document receiving system (NetDMR) per the schedule specified in the permit. Paper DMRs or an alternative substitute may only be utilized by the permittee if the LDEQ Enforcement Division grants a written authorization to the permittee. See the enclosed NetDMR information sheet.

Your facility will continue to be assessed an annual maintenance and surveillance fee to be invoiced separately by the agency. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code. Pursuant to LAC 33:IX.1309.I, LAC 33.IX.6509.A.1 and LAC 33:I.1701, you must pay any outstanding fees to the Department. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. Any outstanding fees must be remitted via a check to the Louisiana Department of Environmental Quality within thirty (30) days after the effective date of authorization under the permit. Failure to pay the full amount due in the manner and time prescribed could result in enforcement actions as prescribed in the Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit.

Should you have any questions concerning the reissued general permit, please feel free to contact either Debbie Bissett or Kimberly Corts by telephone, by e-mail, or by writing to the address on page one of this letter. Debbie Bissett can be reached by telephone at (225) 219-3603 or by e-mail at debbie.bissett@la.gov. Kimberly Corts can be reached by telephone at (225) 219-3208 or by e-mail at kimberly.corts@la.gov.

Sincerely,

Jenniffer Sheppard

Jenniffer Sheppard, Manager
Water Permits Division

Attachments: NetDMR Information Sheet

c: IO-W

Please print or type in the unshaded areas only
(fill—in areas are spaced for elite type, i.e., 12 chara[illegible]ers/inch).

Fo[illegible]proved. OMB No. 2040-0086 Approval expires 7-31-88

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F LA0079171 D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

SIC 5541

72020
121
1019

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill—in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill—in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold—faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	X		2E
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP CHEVRON SELF SERVE, FOOD MART - Port Allen

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 J. R. ROXBURGH, CONST. & MAINT REP	504 569 3512

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 P.O. BOX 50282

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 NEW ORLEANS, LA.	LA	70150

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 111 LOBDELL HWY

B. COUNTY NAME

WEST BATON ROUGE

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 PORT ALLEN	LA	70767	

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JUN 13 1988
6W-PS

EPA Form 3510-1 (Rev. 10-80)

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
7 5541 (specify) SELF SERVE GASOLINE & CONVENIENE STORE	7 (specify) N/A
C. THIRD	**D. FOURTH**
7 (specify) N/A	7 (specify) N/A

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
B MERLIN T. BROUSSARD	☐ YES ☒ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box. If "Other", specify.)*	D. PHONE *(area code & no.)*
F = FEDERAL; M = PUBLIC *(other than federal or state)*; S = STATE; O = OTHER *(specify)*; P = PRIVATE — P (specify)	A 504 343 8871

E. STREET OR P.O. BOX	
111 LOBDELL HWY.	

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
B PORT ALLEN	LA	70767	Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	D. PSD *(Air Emissions from Proposed Sources)*
9 N NONE	9 P NONE
B. UIC *(Underground Injection of Fluids)*	**E. OTHER** *(specify)*
9 U NONE	9 NONE (specify)
C. RCRA *(Hazardous Wastes)*	**E. OTHER** *(specify)*
9 R NONE	9 NONE (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

RETAIL OUTLET FOR GASOLINE AND CONVENIENCE STORE ITEMS.
REQUESTED PERMIT IS FOR DISCHARGE OF WATER FROM SEWERAGE TREATMENT PLANT WHICH WILL TREAT SEWERAGE FROM TWO REST ROOMS AND A UTILITY SINK.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the 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.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
X R. B. BELLINGER DIVISION MANAGER - OPERATIONS	R B Bellinger	6/6/88

COMMENTS FOR OFFICIAL USE ONLY

C

EPA Form 3510-1 (Rev. 10-80) Reverse

☆ U.S. Government Printing Office : 1985 - 480-785/32991

Please type or print in the unshaded areas only

EPA ID Number *(copy from item 1 of Form 1)*

Form Approved
OMB No. 2040-0086
Approval expires 7-31-88

Form 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. Receiving Waters

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
001	30N	27	28	91W	13	38	OPEN DITCH to INTERCOSTAL CANAL

II. Discharge Date *(If a new discharger, the date you expect to begin discharging)*

August 1, 1988

III. Type of Waste

A. Check the box(es) indicating the general type(s) of wastes discharged.

☒ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☐ Noncontact Cooling Water ☐ Other Nonprocess Wastewater *(Identify)*

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

N/A

IV. Effluent Characteristics

A. **Existing Sources** — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. **New Dischargers** — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)*		(2) Average Daily Value *(last year)* *(include units)*		(3) Number of Measurements Taken *(last year)*	(4) Source of Estimate *(if new discharger)*
	Mass	Concentration	Mass	Concentration		
Biochemical Oxygen Demand (BOD)	NEGLIGIBLE	30 (MG/L)	NEGLIGIBLE	30 (MG-L)		INFORMATION OBTAINED
Total Suspended Solids (TSS)	NEGLIGIBLE	30 (MG/L)	NEGLIGIBLE	30 (MG-L)		FROM MFG. OF MULTI-
Fecal Coliform *(if believed present or if sanitary waste is discharged)*	NEGLIGIBLE	REMOVES 95% to 98%	NEGLIGIBLE	REMOVES 95% to 98%		FLO TREAT- MENT UNIT.
Total Residual Chlorine *(if chlorine is used)*	N/A	N/A	N/A	N/A		
Oil and Grease	NONE	NONE	NONE	NONE		
*Chemical oxygen demand (COD)	N/A	N/A	N/A	N/A		
*Total organic carbon (TOC)	N/A	N/A	N/A	N/A		
Ammonia *(as N)*	NEGLIGIBLE	.1 to .2 (MG/L)	NEGLIGIBLE	.1 to .2 MG/L		
Discharge Flow	Value 1500 GAL.		500 GAL.			
pH *(give range)*	Value 6.8 to 7.2		6.8 to 7.2			
Temperature *(Winter)*	AMBIENT °C		AMBIENT °C			
Temperature *(Summer)*	AMBIENT °C		AMBIENT °C			

*If noncontact cooling water is discharged

RECEIVED
JUN 13 1988
OWPS

V. Except for leaks or spills, will the discharges described in this form be intermittent or seasonal? ☒ Yes ☐ No
If yes, briefly describe the frequency of flow and duration.

DISCHARGE WILL be INTERMITTENT. THE INTERMITTENT DISCHARGE WILL BE 12 MONTHS PER YEAR. THE DURATION OF FLOW WOULD AVERAGE 10 HRS. PER DAY.

VI. Treatment System *(Describe briefly any treatment system(s) used or to be used)*

A "MULTI-FLO" WASTWATE TREATMENT PLANT WILL BE USED to HANDLE the DISCHARGE FROM TWO REST ROOMS AND A UTILITY SINK. THIS UNIT COMBINES the PROCESSES OF AEROBIC BIOLOGICAL TREATMENT AND MECHANICAL FILTERATION. THE SYSTEM IS A COMPLETE MIX EXTENDED AERATION MODIFICATION OF THE ACTIVATED SLUDGE PROCESS.

VII. Other Information *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets if necessary.

VIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title	B. Phone No. *(area code & no.)*
X R. B. BELLINGER DIVISION MANAGER - OPERATIONS	
C. Signature	**D. Date Signed**
R B Bellinger	6/6/88

PERMITTEE NAME/ADDRESS
(include Facility Name/Location if different)

NAME Chevron U.S.A. Products Company

ADDRESS P. O. Box 4256

Houston, TX 77210

FACILITY Chevron Service Station #109392

LOCATION 111 Lobdell Highway, Port Allen, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WG010004	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	01	01	TO	95	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
BOD	SAMPLE MEASUREMENT						6	mg/l	0	1/180	Grab
	PERMIT REQUIREMENT					N/A	45			1/180	Grab
Flow	SAMPLE MEASUREMENT		5,000	GPD			5.0	GPM	0	1/180	Est.
	PERMIT REQUIREMENT					N/A	Report			1/180	Est.
TSS	SAMPLE MEASUREMENT				47	80.5	114	mg/l	2	2/180	Grab
	PERMIT REQUIREMENT						45			1/180	Grab
Oil & Grease	SAMPLE MEASUREMENT						2	mg/l	0	1/180	Grab
	PERMIT REQUIREMENT					N/A	15			1/180	Grab
Fecal Coliform	SAMPLE MEASUREMENT						ND	col/100 ml	0	1/180	Grab
	PERMIT REQUIREMENT					N/A	400			1/180	Grab
pH	SAMPLE MEASUREMENT						7.10	Stand.	0	1/180	Grab
	PERMIT REQUIREMENT				6.0		9.0			1/180	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Howard J. O'Donnell
Compliance Specialist

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND 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 (SEE 18 U S C § 1001 AND 33 U S C § 1319 *(Penalties under the statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years).*

Signature of Principal Executive Officer or Authorized Agent

TELEPHONE
(713) 754-3656
Area Code Number

DATE
95 2 17
Year Mo. Day

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
An exceedance occurred for the TSS parameter on the 2/13/95 sampling event.

LDEQ-EDMS Document 5262567, Page 2 of 2

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: CHEVRON PRODUCTS COMPANY

ADDRESS: P. O. Box 1706
Atlanta, GA 30301

FACILITY: Chevron Service Station No. 60109392

LOCATION: 111 Lobdell Hwy., Port Allen, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)* *(17-19)*

WG010004	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	96	01	01	TO	96	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

File WG 6/30/96

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53)) AVERAGE	(54-61) MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT		5000	GPD			5.0	GPM	0	1/180	ESTIMATE
	PERMIT REQUIREMENT				N/A	N/A	N/A			1/180	
BOD	SAMPLE MEASUREMENT				16	122.3	217	mg/l	2	3/180	GRAB
	PERMIT REQUIREMENT						45			1/180	GRAB
TSS	SAMPLE MEASUREMENT						30	mg/l	3	1/180	GRAB
	PERMIT REQUIREMENT						45			1/180	GRAB
Fecal Coliform	SAMPLE MEASUREMENT				<4	361251	1445000	col/ 100ml	3	4/180	GRAB
	PERMIT REQUIREMENT						400			1/180	GRAB
PH	SAMPLE MEASUREMENT						7.27	STD	0	1/180	BRAB
	PERMIT REQUIREMENT				6.0		9.0			1/180	GRAB
	PERMIT REQUIREMENT										

RECEIVED
JUL 29 1996
OFFICE OF WATER RESOURCES

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
L. T. Brown, Marketing Assistant
Environmental Safety
& Health - Compliance
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND 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 (SEE 18 U S C § 1001 AND 33 U S C § 1319 *(Penalties under the statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years).*

L. T. Brown
Signature of Principal Executive Officer or Authorized Agent

TELEPHONE
(770)-984-3139
Area Code / Number

DATE
1996 07 23
Year Mo. Day

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

EPA Form 3320-1 (Rev. 9-88) *Previous editions may be used.* (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

LDEQ-EDMS Document 5262566, Page 1 of 1

Chevron

D''
W G Woody

Chevron U.S.A. Products Company
1301 McKinney Street
Houston, Texas 77010
P O. Box 4256
Houston, Texas 77210
Phone 713 754 3500

January 26, 1996

Office of Water Resources
Department of Environmental Quality
P. O. Box 82215
Baton Rouge, Louisiana 70884-2215

RECEIVED
JUL 29 1996
OFFICE of WATER RESOURCES

SUBJECT. **NOTICE OF EXCEEDANCE**
Chevron Service Station No. 109392
111 Lobdell Highway
Port Allen, Louisiana 70767
General Sanitary Discharge Permit No WG010004

Dear Sir/Madam:

This letter is to inform you that two exceedances occurred for the sanitary wastewater treatment system for the above referenced Chevron Service Station. An exceedance occurred for both the Biochemical Oxygen Demand (BOD) and Fecal Coliform Bacteria parameters during a sampling event conducted on January 10. 1996 Results of the sampling event indicate BOD is 217 mg/l, which is above the permit limit of 45 mg/l. Fecal Coliform Bacteria is >6000 colonies/100 mls The discharge limit for this parameter is 400 colonies/100 mls daily maximum.

Chevron will contact the contractor. Wastewater Treatment Systems and Operations, who performs routine maintenance on this system to determine why the exeedances occurred. This location will be resampled for the BOD and Fecal Coliform Bacteria parameters on a monthly basis until the result is less than or equal to the daily maximum.

Verbal notification of this permit exceedance was made to both the Office of State Police and the Louisiana Department of Environmental Quality Ms. Baliria Gross of the Office of State Police was contacted on January 24, 1996 @ 1:45 p m. Ms Gross issued Chevron **Incident No. 96-0302.** Ms. Jan Nolan of the Louisiana Department of Environmental Quality was contacted on January 24, 1996 @ 2.00 p.m. Ms. Nolan said that these exceedances did not require verbal notification and for Chevron to submit written notification within 5 calendar days.

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

APR 0 9 1998

J. DALE GIVENS
SECRETARY

Cert. Mail # 1412376

Reissued Permit: LAG530126
Prior Permit: WG-010004

CHEVRON USA INC
PORT ALLEN SELF-SERVE #60109392
PO BOX 1706
ATLANTA GA 30301

MAIN FILE COPY

Dear Permittee:

RE: Sanitary Sewage Wastewater Discharge Permit

The Louisiana Water Discharge Permit System (LWDPS) Class I Sanitary General Permit previously issued to your facility has been replaced by the attached Louisiana Pollutant Discharge Elimination System (LPDES) permit, which was finalized November 19, 1997. The conditions in this permit meet both Federal (EPA) and State (LDEQ) regulatory requirements, thus eliminating the need to obtain separate coverage under each of these authorities. For eligible facilities, notification of automatic coverage under this new permit is being provided by means of this letter. Pursuant to the Louisiana Environmental Quality Act (La. R.S. 30:2001 et seq.), the attached permit is hereby issued authorizing

FACILITY:	PORT ALLEN SELF-SERVE #60109392
LOCATION:	WEST OF PORT ALLEN, OFF I-10
PARISH:	WEST BATON ROUGE
RECEIVING STREAM:	DITCH-ICWW

to discharge treated sanitary sewage totaling less than 5,000 gallons per day. This permit replaces and cancels State General Permit WG-010004 issued to your facility on February 16, 1994, and any Federal permit covering only sanitary discharges from this facility. Please use your new permit number - LAG530126 - in all future correspondence regarding the permit.

The permittee shall follow the Final Effluent Limitations and Monitoring Requirements in PART I, SECTION B, SCHEDULE A (Page 3 of 6). If fecal coliform limits for designated oyster propagation areas were in effect in your LWDPS permit, these limits will continue as stated in footnote 4 on the Final Effluent Limitations page.

Monitoring results must be reported on a Discharge Monitoring Report (DMR) form per the schedule specified. A copy of the form is attached for your use.

Please note that discharges of 5,000 gpd or more cannot be covered by this permit. Should your discharges reach this volume, you are required to immediately notify this office and to apply for and obtain the appropriate permit. If your facility is no longer operating or has been sold, please provide this information in a letter so we can take appropriate action concerning your permit.

Your facility will continue to be assessed an Annual Maintenance and Surveillance Fee. Annual fees for the new permit are $75.00 ($90.00 in the Atchafalaya River, Barataria, Lake Pontchartrain, Mississippi River, and Terrebonne basins). You have been billed separately for this fee for the current fiscal year.

For your information, the plans and specifications for sanitary treatment plants must be approved by the Department of Health and Hospitals, Office of Public Health, Post Office Box 60630, New Orleans, Louisiana 70160, (504) 568-5100. Also, according to La. R.S. 48:385, any discharge to a highway ditch, cross ditch, or right-of-way shall require approval from the Louisiana Department of Transportation and Development, Post Office Box 94245, Baton Rouge, Louisiana 70804-4245, (504) 379-1301 and from the Department of Health and Hospitals, Office of Public Health, Post Office Box 60630, New Orleans, Louisiana 70160, (504) 568-5102.

Should you have any questions concerning issuance of the general permit for this facility, please feel free to contact Ms. Laurie Prats or Ms. Linda Gauthier in the General Permits Section, at the address on the preceding page or telephone (504) 765-2784.

Sincerely,

Tom Killeen, Program Manager
Municipal Permits Section

TK:JMC

Attachments

c: letter only

Mr. R. E. Dillon, Jr., Chief Engineer
Department of Transportation and Development

c: w/applicable enclosures

Mr. Douglas Vincent, P.E., Acting Chief Engineer
Department of Health and Hospitals
Office of Public Health

Capital Regional Office
Water Quality Management Division

AI 18777

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

FACILITY ID#: LAG530126 **INSPECTION DATE:** May 17, 2000 **TIME OF ARRIVAL:** 10:15 am
DEPARTURE DATE: May 17, 2000 **TIME OF DEPARTURE:** 10:45 Am

FACILITY NAME: Chevron USA, Inc. **PHONE #:** (225) 569-3512

LOCATION: West of Port Allen off of I-10

PARISH: West Baton Rouge (61)

MAILING ADDRESS: P. O. Box 1706 (Street/P.O. Box) Atlanta (City) GA (State) 30301 (Zip)

FACILITY REPRESENTATIVE: Mr. Art Langham **TITLE:** Manager

INSPECTION TYPE: CEI **MEDIA INVOLVED:** AIR ☐ WASTE ☐ WATER ☒ OTHER: _____

INSPECTOR'S OBSERVATIONS: (e.g. Areas and Equipment inspected, problems, deficiencies, remarks, verbal commitments from facility representatives)

A compliance evaluation inspection was conducted on May 17, 2000. The following observations were made:

1) This facility no longer has a STP to treat their waste. The facility is connected to the Holiday Inn West STP. Chevron installed a lift station that pumps their sewerage to the Holiday Inn West STP for treatment.

CITATION	EXPLANATION	RESOLVED
		YES ☐ NO ☐
		YES ☐ NO ☐
		YES ☐ NO ☐
		YES ☐ NO ☐

PHOTOS TAKEN: YES ☐ NO ☒ **SAMPLES TAKEN:** YES ☐ NO ☒ (Attach Chain-of-Custody)

RECEIVED BY SIGNATURE: _____ **TITLE:** _____

PRINT NAME: _____
(Note: Signature does not indicate agreement with inspector's notes)

INSPECTOR(S): Louis Martin **ATTACHMENTS:** _____

Louis M. Martin BC

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statute regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: 18777 INSPECTION DATE: 8/22/03 TIME OF ARRIVAL: 11:25
ALTERNATE ID#: LAG530126 (ID Type/Number) DEPARTURE DATE: 8/22/03 TIME OF DEPARTURE: 11:45
FACILITY NAME: Chevron USA, Inc. Store #109392 PH #:
LOCATION: 111 Lobdell Hwy, Port Allen, LA
PARISH NAME: West Baton Rouge (61)
RECEIVING STREAM (BASIN/SUBSEGMENT): 120103 - Terrebonne - Choctaw Bayou
MAILING ADDRESS: P.O. Box 6004 (Street/P.O. Box) San Ramon (City) CA (State) 94583-0904 (ZIP)
FACILITY REPRESENTATIVE: TITLE:
FACILITY REPRESENTATIVE PHONE NUMBER:
NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):
Mr. Benny Barr (925) 842-9002
P.O. Box 6004
San Ramon, CA 94583-0904
INSPECTION TYPE: CEI PROGRAM INVOLVED: AIR WASTE WATER OTHER

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

An Inspection Of The Facility Was Conducted And The Following Observations were noted:
1. No DMRs have been submitted since 1996. DMR review conducted prior to inspection SD ~~investigation~~
2. Facility has a wastewater treatment system.
3. No discharge at time of inspection
4. Facility sends sewage to Holiday Inn directly in rear of facility for treatment.

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
		YES NO
		YES NO

PHOTOS TAKEN: ☐ YES ☒ NO SAMPLES TAKEN: ☐ YES ☒ NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE:
PRINT NAME: Mailed to facility representative.
(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): Sean G. Darensbourg (225) 219-3662 CROSS REFERENCE:
ATTACHMENTS:
REVIEWER: Bob Crain

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

MAIN FILE

AI 18777

Chevron

January 12, 2005

Mr. Todd Franklin
Permits Division
Office of Environmental Services
Louisiana Department of Environmental Quality
Post Office Box 4313
Baton Rouge, LA 70821-4313

original to IOW
copy to LD|62|Bear
AUG

2005 JAN 27 PM 2:25

Re: Permit Transfer Request
Chevron U.S.A. Inc.
111 Lobdell Hwy
Port Allen, LA 70767
Former Chevron Retail Store No. 109392

Dear Mr. Franklin:

Chevron U.S.A. Inc. (Chevron) herein submits a request to transfer Louisiana Pollutant Discharge Elimination System (LPDES) permit LAG530126. As of January 23, 2004, Chevron relinquished all permitting responsibilities and requests an immediate transfer of the permit for the above referenced facility to Arthur C. and Desiree E. Langham of Ponchatoula, Louisiana.

Arthur C. and Desiree E. Langham hereby accepts all permitting responsibilities, coverage, and liabilities from Chevron U.S.A. Inc. effective January 23, 2004.

The parties involved are as follows:

Chevron U.S.A. Inc
1111 Bagby Street, Suite 3374
Houston, Texas 77002
Attn: J. G. Suminski
(713) 752-7293

Arthur C. and Desiree E. Langham
43272 Rambo Road
Ponchatoula, LA 70454
(225) 343-8891

Sincerely,

Chevron U.S.A. Inc.

By: J. G. Suminski
J. G. Suminski
Assistant Secretary

Arthur C. and Desiree E. Langham

By: Arthur C. Langham
Arthur C. Langham

By: Desiree E. Langham
Desiree E. Langham

STATE OF TEXAS)
)
COUNTY OF HARRIS)

On this 24th day of January, 2005, before me personally appeared J. G. Suminski, who being duly sworn, did say that she is Assistant Secretary for Chevron U.S.A. Inc., a Pennsylvania corporation, and that the said instrument was signed by her on behalf of said corporation by authority of its articles of incorporation, as her free and voluntary act, and as the free and voluntary act of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal this 24th day of January, 2005.

M. Kay Town
Notary Public In and For the State of Texas

M. KAY TOWN
Notary Public, State of Texas
My Commission Expires
September 12, 2007

Notary's Printed Name: M. Kay Town
My Commission Expires: SEPTEMBER 12, 2007

STATE OF LOUISIANA)
)
PARISH OF Tangipahoa)

On this 20 day of January, 2005, before me personally appeared Arthur C. Langham who being duly sworn, did say that he or she is personal representative, for _____, a proprietorship corporation, and that the said instrument was signed by him or her on behalf of said corporation by authority of its articles of incorporation, as his or her free and voluntary act, and as the free and voluntary act of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal this 20 day of January, 2005.

Elizabeth P. Bardwell
Notary Public

Notary's Printed Name: Elizabeth P. Bardwell 10F8949
My Commission Expires: at death

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

OCT 0 8 2004

MIKE D. McDANIEL, Ph.D.
SECRETARY

109392

Permit Number: LAG530126
AI Number: 18777

Chevron Products Company, Inc.
Chevron Station # 109392
Post Office Box 6004, Room L2375-B1
San Ramon, CA 94583-0904

Attn: Mr. Charles Bittle

Re: Guidance for the Transfer of the Louisiana Pollutant Discharge Elimination System (LPDES) permit number LAG530126.

Dear Mr. Bittle:

This Office has received your notice that the Chevron Station # 109392 was sold to Ardes, Inc. on April 30, 2004. Coverage under the LPDES permit referenced above should be transferred to the new owner. Before adjustments can be made to the permit coverage, documentation as described in the attached instruction sheet is needed. The required papers should be sent to my attention at the Office of Environmental Services address at the bottom of this page. Upon receipt, we will proceed to make the necessary changes to the permit coverage.

Please feel free to call me at (225) 219-3053 if you have any questions.

Sincerely,

Todd Franklin
Permits Division

jtf

Attachments

c: IO-W

Todd Franklin, ES
Permits Division

PERMITS DIVISION

GUIDANCE ON

PERMIT TRANSFERS

In order to effect a permit transfer, the company relinquishing the permit and the company wishing to obtain the permit should coordinate a letter to this office showing the **Permit Number**, the **date the transfer should be effective** between the two companies, and the **mailing address of each company**. The letter should state that the company relinquishing the permit wishes to transfer Permit Number LAG530126 to the other company. There should also be a paragraph in which the receiving company accepts responsibility, coverage and liability for the permit. The finished letter should be signed by authorized officials of both companies and notarized. Further guidance may be obtained from the 1998 Louisiana Administrative Code, Volume 14, Chapter 3, Paragraph 311, Subpart D and Paragraph 2385, regarding permit transfers. A copy of this document can be obtained from the DEQ Office of Legal Affairs, Post Office Box 4302, Baton Rouge, Louisiana 70821-4302.

Permit transfer requests with the proper documentation should be mailed to: Mr. Todd Franklin, Office of Environmental Services, Louisiana Department of Environmental Quality, P. O. Box 4313, Baton Rouge, LA 70821-4313.

DEPARTMENT OF
ENVIRONMENTAL QUALITY
2004 AUG 30 PM 2:57
FINANCIAL SERVICES
DIVISION

Chevron

August 24, 2004

Chevron Products Company, Inc.
P.O. Box 6004, Room L2375-B1
6001 Bollinger Canyon Rd
San Ramon, CA 94583-0904

Charles Bittle
Health Environmental & Safety

Phone No. (925) 842-9002
Fax No. (925) 842-9585
E-mail: cbittle@chevrontexaco.com

State of Louisiana Department of Environmental Quality
Financial Services Division
P.O. Box 4311
Baton Rouge, LA 70821-4311

Re: Change of Ownership

CHEVRON STATION # 109392
111 LOBDELL HWY
Port Allen LA 70767

New Owner: Ardes, Inc. - Phone: 225-343-8891

Please be advised that the Chevron Station listed above was **sold on 4/30/04**, therefore our office is requesting cancellation of Chevron's. Please direct all correspondence or requests for the new permit-to-operate to the new owner at the site address.

If you have any questions, please contact me at 925-842-9002.

Sincerely,

Charles Bittle
Chevron Health Environmental & Safety

cc: **Ardes, Inc.**

MASTER GENERAL PERMIT
NUMBER: LAG530000

ACTIVITY NO: PER20060001

DEQ
LOUISIANA

OFFICE OF ENVIRONMENTAL SERVICES

Water Discharge Permit

MASTER GENERAL PERMIT NUMBER LAG530000

Class I Sanitary Discharge General Permit

In accordance with the Clean Water Act of 1987 and the Louisiana Environmental Quality Act (La. R.S. 30:2001, et seq.: "The Act") and the Rules effective or promulgated under the authority of the Act, this Louisiana Pollutant Discharge Elimination System General Permit is issued. This permit authorizes persons who meet the requirements of Part I.A and have been approved by the Office to discharge to waters of the State treated sanitary wastewater and/or other accepted wastewater types totaling less than 5,000 gallons per day maximum expected flow in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III of this permit.

This permit shall become effective on 12/1/07

This permit shall expire five (5) years from the effective date of the permit.

Issued on 11/8/07

Chuck Carr Brown, Ph. D.
Assistant Secretary

SECTION A. APPLICABILITY

Facilities covered by this general permit are those discharging treated sanitary wastewater and/or other accepted wastewater types in quantities less than 5,000 GPD maximum expected flow as calculated using the sewage loading guidelines in the state sanitary code or from an alternative approved data source and which are required to meet a secondary level of treatment. "Accepted wastewater types" include those wastewaters with effluent characteristics which are not significantly different from sanitary wastewaters and which may be successfully treated by biological means to meet effluent limitations. Facilities covered include, but are not limited to, residential subdivisions, trailer parks, on-site residential laundry facilities, coin operated Laundromats, restaurants, schools, shopping centers, office buildings, and publicly owned treatment works.

All persons operating a source or conducting an activity that results in a treated sanitary wastewater discharge as described above are eligible for coverage under this general permit and will become permittees authorized to discharge upon written notification by this Office of coverage under this general permit. Notice of intent (NOI) to be covered under this general permit should be made using form WPS-G which may be obtained by calling (225) 219-3181 or on the internet at **http://www.deq.louisiana.gov/portal/Portals/0/permits/lpdes/wps-g.pdf**. Existing dischargers eligible for this permit must submit a NOI within thirty (30) days of the effective date of this permit. Proposed facilities desiring coverage under this permit must submit a NOI at least thirty (30) days prior to commencement of discharge. Any permittee covered by an individual permit may request that the individual permit be canceled if the permitted source or activity is also eligible for coverage by this general permit. Upon written acceptance of that request by this Office, the permittee will be covered by this general permit. Existing dischargers currently covered under the previous Class I Sanitary Discharge General Permit shall automatically be covered under this general permit, provided they continue to meet all applicability requirements.

This general permit shall not apply to:

1. discharges other than those described above;
2. facilities which do not conform with the regulations set forth in the Louisiana Sanitary Code;
3. facilities which receive unacceptable wastewater types from industrial and/or other sources; and
4. facilities which have been assigned limitations in the Louisiana Water Quality Management Plan or an approved Waste Load Allocation (from a previous study or from the current updates from the Total Maximum Daily Loads) that are different from those in this permit.
5. sanitary discharges at operations classed as new sources or new dischargers, if the discharge will cause or contribute to the violation of water quality standards (LAC 33:IX.2317.A.9).
6. facilities proposing to discharge into a waterbody designated as Outstanding Natural Resource Waters, as defined in LAC 33:IX.1123.Table 3, if it will cause degradation of these waters. As per LAC 33:IX.1119.C.4, Degradation is defined as a statistically significant difference at the 90 percent confidence interval from existing physical, chemical, and biological conditions. It will be the applicant's responsibility to provide data to the Water Permit Division to show that its facility will not cause degradation to Outstanding Natural Resource Waters as defined above.

SECTION B. EFFLUENT LIMITATIONS

The limitations listed below shall apply to each outfall at the facility. Please see Appendix A of this permit for the Outfall description and applicable schedules that shall apply to each particular outfall.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with written notification of coverage under this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater totaling less than 5,000 gallons per day maximum expected flow from the specified facility in accordance with the following limitations:

SCHEDULE A[1] – FINAL EFFLUENT LIMITATIONS

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/12 months	Estimate
BOD_5, mg/L	N/A	45	1/12 months	Grab
TSS[2], mg/L	N/A	45	1/12 months	Grab
FECAL COLIFORM[3&4], Colonies / 100 ml	N/A	400	1/12 months	Grab
pH[5], standard units	---	---	1/12 months	Grab

1 Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule A will apply to facilities that discharge less than 2,500 GPD and have no food service waste or Laundromat wastewater.

2 If the treatment unit is an oxidation pond, the weekly average limitation shall be 135 mg/L.

3 If chlorination is chosen as the disinfection method, see Part II, Section H.

4 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonies/100 mL weekly average. Appendix A states if the more stringent limitations apply.

5 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

There shall be no discharge of floating solids or visible foam in other than trace amounts, nor of free oil or other oily material, nor of toxic materials in quantities such as to cause acute toxicity to aquatic organisms. Furthermore, there shall be no visible sheen or stains attributable to this discharge.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with written notification of coverage under this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater totaling less than 5,000 gallons per day maximum expected flow from the specified facility in accordance with the following limitations:

SCHEDULE B[1] – FINAL EFFLUENT LIMITATIONS

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/6 months	Estimate
BOD_5, mg/L	30	45	1/6 months	Grab
TSS[2], mg/L	30	45	1/6 months	Grab
OIL & GREASE[3], mg/L	N/A	15	1/6 months	Grab
FECAL COLIFORM[4&5], Colonies / 100 ml	200	400	1/6 months	Grab
pH[6], standard units	---	---	1/6 months	Grab

1 Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule B will apply to facilities with food service waste or Laundromat wastewater, or facilities discharging greater than 2,500 GPD and less than 5,000 GPD.

2 If the treatment unit is an oxidation pond, the month average limitation shall be 90 mg/l and the weekly average limitation shall be 135 mg/L.

3 Required only for discharges which include food service waste.

4 If chlorination is chosen as the disinfection method, see Part II, Section H.

5 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonies/100 mL weekly average. Appendix A states if the more stringent limitations apply.

6 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Industrial facilities with SIC Codes which would require coverage under the stormwater regulations and are eligible for coverage under this general permit shall be required to monitor 1/6 months.

There shall be no discharge of floating solids or visible foam in other than trace amounts, nor of free oil or other oily material, nor of toxic materials in quantities such as to cause acute toxicity to aquatic organisms. Furthermore, there shall be no visible sheen or stains attributable to this discharge.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

On a case-by-case basis, the permitting authority may require either Schedule C or Schedule D, as an alternative to Schedule A or Schedule B. These schedules may be required for facilities which discharge into an impaired waterbody or where a finalized TMDL has been performed. The determination of which schedule to impose on the facility will be based on, but not limited to, the size of the discharge, proximity to the named impaired waterbody, and wasteload allocations to similar point sources within the watershed.

SCHEDULE C

Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule C will apply to facilities which have been assigned the specific limitations listed in the final effluent limitations in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule C to address a 303(d) impairment without a finalized TMDL.

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/6 months	Estimate
BOD_5 / $CBOD_5$, mg/L[1]	30	45	1/6 months	Grab
TSS[2], mg/L	30	45	1/6 months	Grab
Oil & Grease[3], mg/L	N/A	15	1/6 months	Grab
FECAL COLIFORM[4], Colonies / 100 ml	200	400	1/6 months	Grab
pH[5], standard units	---	---	1/6 months	Grab

1 $CBOD_5$ limitations are required when NH_3-N limitations are placed in the permit. BOD_5 limitations are required when NH_3-N limitations are not placed in the permit.

2 If the treatment unit is an oxidation pond, the monthly average is 90 mg/l and the weekly average is 135 mg/l.

3 Required only for discharges which include food services wastewater or Laundromat wastewater.

4 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonies/100 mL weekly average. Appendix A states if the more stringent limitations apply.

5 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE C (CONT.)

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/6 months	Estimate
BOD_5 / $CBOD_5$, mg/L	5	7.5	1/6 months	Grab
TSS, mg/L	5	7.5	1/6 months	Grab
Ammonia-Nitrogen (NH_3-N), mg/l	2	4	1/6 months	Grab
Oil & Grease[1], mg/L	N/A	15	1/6 months	Grab
FECAL COLIFORM[2], Colonies / 100 ml	200	400	1/6 months	Grab
pH[3], standard units	---	---	1/6 months	Grab

1 Required only for discharges which include food services wastewater or Laundromat wastewater.

2 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonies/100 mL weekly average. Appendix A states if the more stringent limitations apply.

3 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE D

Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule D will apply to facilities which have been assigned the specific limitations listed in the final effluent limitations in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule D to address a 303(d) impairment without a finalized TMDL.

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/6 months	Estimate
BOD_5 / $CBOD_5$, mg/L[1]	30	45	1/6 months	Grab
TSS[2], mg/L	30	45	1/6 months	Grab
Oil & Grease[3], mg/L	N/A	15	1/6 months	Grab
FECAL COLIFORM[4], Colonies / 100 ml	200	400	1/6 months	Grab
pH[5], standard units	---	---	1/6 months	Grab

1 $CBOD_5$ limitations are required when NH_3-N limitations are placed in the permit. BOD_5 limitations are required when NH_3-N limitations are not placed in the permit.

2 If the treatment unit is an oxidation pond, the monthly average is 90 mg/l and the weekly average is 135 mg/l.

3 Required only for discharges which include food services wastewater or Laundromat wastewater.

4 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonics/100 mL weekly average. Appendix A states if the more stringent limitations apply.

5 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE D (CONT.)

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
FLOW – GPD	N/A	REPORT	1/6 months	Estimate
BOD_5 / $CBOD_5$[1], mg/L	10	15	1/6 months	Grab
TSS, mg/L	15	23	1/6 months	Grab
Oil & Grease[2], mg/L	N/A	15	1/6 months	Grab
FECAL COLIFORM[3], Colonies / 100 ml	200	400	1/6 months	Grab
pH[4], standard units	---	---	1/6 months	Grab

1 $CBOD_5$ limitations are required when NH_3-N limitations are placed in the permit. BOD_5 limitations are required when NH_3-N limitations are not placed in the permit.

2 Required only for discharges which include food services wastewater or Laundromat wastewater.

3 If the discharge is located in an oyster propagation area, fecal coliform limitations will be 14 colonies/100 mL monthly average and 43 colonies/100 mL weekly average. Appendix A states if the more stringent limitations apply.

4 The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE E[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ammonia-Nitrogen (NH_3-N), mg/L	Report	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ammonia-Nitrogen (NH_3-N), mg/L	5	10	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule E will apply to facilities which have been assigned NH_3-N limitations of 5 mg/l monthly average and 10 mg/l weekly average in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule E to address a 303(d) impairment without a finalized TMDL.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE F[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ammonia-Nitrogen (NH_3-N), mg/L	Report	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	WEEKLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ammonia-Nitrogen (NH_3-N), mg/L	4	8	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule F will apply to facilities which have been assigned NH_3-N limitations of 4 mg/l monthly average and 8 mg/l weekly average in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule F to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE G[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM*	MEASUREMENT FREQUENCY	SAMPLE TYPE
Dissolved Oxygen (DO)[2], mg/L	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM*	MEASUREMENT FREQUENCY	SAMPLE TYPE
Dissolved Oxygen (DO)[2], mg/L	**See Appendix B.** The Dissolved Oxygen parameter is set at the criteria from LAC 33:IX.1123. Table 3. The limitation shall be the corresponding concentration(s) associated with the subsegment number in Table 3.	1/6 months	Grab

*This Dissolved Oxygen limit is the lowest allowable average of daily discharges over a calendar month. When monitoring is conducted, the Dissolved Oxygen shall be analyzed immediately, as per 40 CFR 136.3.

1 Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule G will apply to facilities which have been assigned DO limitations at the State Water Quality Standard in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule G to address a 303(d) impairment without a finalized TMDL..

2 This Dissolved Oxygen limit is the lowest allowable average of daily discharges over a calendar month. When monitoring is conducted, the Dissolved Oxygen shall be analyzed immediately, as per 40 CFR 136.3.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE H[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, *Interim Effluent Limitations.*

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Chlorides, mg/L	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Chlorides, mg/L	**See Appendix B.** The chloride parameter is set at the criteria from LAC 33:IX.1123. Table 3. The limitation shall be the corresponding concentration(s) associated with the subsegment number in Table 3.	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule H will apply to facilities which have been assigned chloride limitations at the State Water Quality Standard in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule H to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE I[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Sulfate (SO_4), mg/L	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Sulfate (SO_4), mg/L	**See Appendix B.** The SO_4 parameter is set at the criteria from LAC 33:IX.1123. Table 3. The limitation shall be the corresponding concentration(s) associated with the subsegment number in Table 3.	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule I will apply to facilities which have been assigned Sulfate limitations at the State Water Quality Standard in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule I to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE J[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Total Dissolved Solids (TDS), mg/L	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Total Dissolved Solids (TDS), mg/L	***See Appendix B.*** The TDS parameter is set at the criteria from LAC 33:IX.1123. Table 3. The limitation shall be the corresponding concentration(s) associated with the subsegment number in Table 3.	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule J will apply to facilities which have been assigned TDS limitations at the State Water Quality Standard in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule J to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE K[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Turbidity, NTU	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Turbidity, NTU	**See Appendix C.** The turbidity parameter is set at the criteria from LAC 33:IX.1113.B.9.i-vi.	1/6 months	Grab

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule K will apply to facilities which have been assigned turbidity limitations at the State Water Quality Standard in a finalized TMDL. This Office may, on a case-by-case basis, require monitoring under Schedule K to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SCHEDULE L[1]

INTERIM EFFLUENT LIMITATIONS

On a case-by case basis, this interim schedule may be granted to allow the facility to upgrade. The time-frame of the interim period shall be on a case-by-case basis for each individual facility not to exceed three years from the date of coverage. Please see Appendix A, which specifically states the time-frame of the interim schedule. See Part II, Section J, Interim Effluent Limitations.

During the period beginning with written notification of coverage under this permit and lasting through the date stated in Appendix A, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Total Residual Chlorine, mg/l	Report	1/6 months	Grab

FINAL EFFLUENT LIMITATIONS

During the period beginning the date stated in Appendix A and lasting through the expiration date of the permit, the permittee is authorized to discharge treated sanitary wastewater and/or other accepted wastewater from the specified facility in accordance with the following limitations:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
	DAILY MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Total Residual Chlorine, mg/l	***	1/6 months	Grab

***Prior to final disposal, the effluent shall contain NO MEASURABLE Total Residual Chlorine at any one time monitored by grab sample. Given the current constraints pertaining to chlorine analytical methods, NO MEASURABLE will be defined as less than 0.1 mg/l of chlorine. If any individual analytical test result is less than 0.1 mg/l, a value of zero (0) may be used for that individual result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

[1] Upon written notification of coverage under this permit, the permittee shall comply with the effluent limitations schedule(s) stated in Appendix A of this permit. Schedule L will apply to facilities which have been assigned TRC limitations. This Office may, on a case-by-case basis, require monitoring under Schedule L to address a 303(d) impairment without a finalized TMDL..

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001, at the point of discharge from the last treatment unit prior to mixing with other waters and, if applicable, any additional outfalls listed in Appendix A.

MAIN FILE

AI-18777

Chad S. Cole
614 Woodvale Ave
Lafayette, LA 70503
July 9, 2013

original to JOW
DA copy to MG Franklin
QAAR
GEN20120001

State of Louisiana DEQ
Water Permits Division
P.O. Box 4313
Baton Rouge, LA 70821

To whom it may concern:

I am writing in regard to Matrix Food Store located at 111 Lobdell Hwy, Port Allen, LA.

As of July 1, 2011, the sewer system has been on the City of Port Allen Waste Services; therefore a discharge permit is no longer required for our location.

I would like to submit this letter as a request of cancellation, to refrain from any future billing.

The permit number is LAG530126. The Agency Interest Number is 18777.

If you have any questions, please call me at 615-218-3191.

Sincerely,

Chad S. Cole

2013 JUL 12 AM 8:50
DEQ - OES

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Environmental Services • Water Permits Division
Post Office Box 4313 • Baton Rouge, LA 70821-4313
PHONE#: (225) 219-3181 • FAX# (225) 219-3309

LPDES REQUEST FOR TERMINATION

Of Non-Stormwater General Permit Coverage and Individual LPDES Permits

This form is to be submitted when a discharge permit is no longer required or necessary. Submission of this form shall in no way relieve the permittee of current permit requirements. The Office will notify the permittee in writing of the date of termination of coverage. This form may not be used for termination of general permit stormwater coverage. ALL INFORMATION MUST BE PROVIDED.

SECTION I - FACILITY INFORMATION

LPDES Permit Number for the facility LAG530126

Agency Interest (AI) Number for the facility 18777

Owner/Operator Name Chad S. Cole

Facility Name Matrix Food Store

Phone 615-218-3191 Fax 337-234-2180 e-mail chadscole@cox.net

Mailing Address 614 Woodvale Ave.

Lafayette, LA Zip Code: 70503

Check appropriate box regarding termination of the above listed non-stormwater LPDES permit.

2013 JUL 12 AM 8:50

☐ Discharge permanently terminated by elimination of flow.
Date discharge terminated or will be terminated:

☒ Discharge permanently terminated by connection to a POTW.
Date discharge connected or will connect to POTW: July 1, 2011
Provide name and LPDES permit number of POTW: Westport - LA 0068501

☐ Other reason(s): (ex., coverage under alternate permit; provide date of coverage):

SECTION II - CERTIFICATION

Check appropriate box regarding pending enforcement actions and lawsuits.

☒ I certify that I am not subject to any pending state or federal enforcement actions, including citizen suits brought under state or federal law. (Permit will be terminated by expedited permit termination procedures as defined at LAC 33:IX.2907.B)

☐ I am currently subject to pending state or federal enforcement actions, including citizen suits brought under state or federal law. (Permit will be terminated following procedures at LAC 33:IX.3105)

I certify under penalty of law that all discharges from the identified facility have been or will be terminated through elimination, connection to a POTW or coverage under another LPDES permit. I understand that all conditions of the permit shall remain in effect until notified by the Department. I also understand that the submittal of this Notice of Termination does not release me from liability for any violations of this permit or the Environmental Quality Act. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I am aware that an LPDES permit must obtained prior to recommencement of discharges from this facility.

Signature _____ **Title** 7/9/13 Owner

Printed Name Chad S. Cole **Date** 7/9/13

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Permit Number: LAG530126
Agency Interest Number: 18777

JUL 0 1 2013

Mr. Chad S Cole
Garman LLC
614 Woodvale Ave
Lafayette, LA 70503

RE: Renewal of Coverage under LPDES Class I Sanitary Discharge General Permit (LAG530000)

Dear Permittee:

The Louisiana Pollutant Discharge Elimination System (LPDES) Class I Sanitary Discharge General Permit (Class I Permit) previously issued to your facility expired on November 30, 2012. The Louisiana Department of Environmental Quality (LDEQ) has reissued the Class I permit with an effective date of December 1, 2012. Pursuant to the Louisiana Environmental Quality Act (La R.S. 30:2001 et seq.), authorization under the Class I Sanitary Discharge Permit, is hereby extended to

Garman LLC
Matrix Food Store
111 Lobdell Hwy
Port Allen, Louisiana

to discharge treated sanitary wastewater from your facility in subsegment 120103. If at anytime changes occur at this facility resulting in an increased discharge volume above 100 GPD, you are required to notify the LDEQ immediatcly. This reissued permit will replace and cancel the prior version of the permit which was previously issued to your facility. Please note that your permit number will remain the same. **To ensure that all correspondence regarding this facility is properly filed into the LDEQ's Electronic Document Management System (EDMS), you must reference your Agency Interest Number AI 18777 and LPDES general permit authorization number LAG530126 on all future correspondence to LDEQ.**

The permittee shall follow the Effluent Limitations and Monitoring Requirements established in Appendix A, which is attached to this permit. Appendix A is facility specific and details which schedule(s) from Part I of the permit apply to the facility. Please note that any schedule in Part I of the permit that is NOT listed in Appendix A shall NOT APPLY to this particular facility. **Please note that due to TMDLs in certain areas, the limitations for some facilities have changed from the previous permit.**

Monitoring results should continue to be reported to the Enforcement Division on a Discharge Monitoring Report (DMR) form. A copy of the form is attached for your use. **Copies of DMRs should be sent to the Enforcement Division, Office of Environmental Compliance, Louisiana Department of Environmental Quality, P.O. Box 4312, Baton Rouge, Louisiana 70821-4312.**

Your facility will be assessed an Annual Maintenance and Surveillance Fee to be invoiced separately by the LDEQ. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code (LAC). Pursuant to LAC 33:IX.1309.I, LAC 33:IX.6509.A.1 and LAC

33:I.1701, you must pay any outstanding fees to the LDEQ. Therefore, please verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863 or on the LDEQ website at www.deq.louisiana.gov/fiscalreports. Any outstanding fees must be remitted via a check to the LDEQ within thirty (30) days after the effective date of your permit. Failure to pay the full amount due in the manner and time prescribed could result in applicable enforcement actions as prescribed in the Environmental Quality Act, including, but not limited to revocation or suspension of the applicable permit, and/or a civil penalty against you.

A copy of the permit can be accessed and printed from LDEQ's Internet website at http://www.deq.louisiana.gov/portal/ using the following path: DIVISIONS – Water Permits – LPDES Permits – LPDES General Permits – LAG530000 or by entering the Document ID 8563254 in LDEQ's Electronic Document Management System (EDMS) search window found at http://edms.deq.louisiana.gov/app/doc/querydef.aspx. In the event you are unable to access and/or print a copy of this permit for your records from one of the above listed sources, please contact the Water Permits Division at (225) 219-9371 to request a hard copy be sent by mail. In compliance with LAC 33:IX.2701.H, the permittee may be required to provide a copy of the permit at the request of the administrative authority. Please read the entire permit very carefully to ensure that you thoroughly understand the conditions of the permit.

For all sanitary treatment plants, the plans and specifications must be approved by the Department of Health and Hospitals, Office of Public Health, P.O. Box 4489, Baton Rouge, Louisiana 70821-4489, (225) 342-7395.

Please be advised that according to LA R.S. 48:385, any direct discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from the Louisiana Department of Transportation and Development, P.O. Box 94245, Baton Rouge, Louisiana 70804, (225) 379-1927, and from the Department of Health and Hospitals, Office of Public Health, P.O. Box 4489, Baton Rouge, Louisiana 70821-4489, (225) 342-7395.

Effective January 1, 2013, all LPDES permitted sanitary wastewater treatment facilities which meet the eligibility requirements automatically became permittees of the Louisiana Sewage Sludge and Biosolids Use or Disposal General Permit LAJ660000, unless the facility is covered under a different Louisiana Sewage Sludge and Biosolids Use or Disposal Permit. A copy of the permit can be accessed and printed from LDEQ's Internet website at http://www.deq.louisiana.gov/portal/ using the following path: DIVISIONS – Water Permits – Biosolids – LAJ660000 or by entering the Document ID 8457801 in LDEQ's EDMS search window found at http://edms.deq.louisiana.gov/app/doc/querydef.aspx. Permittees of the LAJ660000 must submit an Annual Sewage Sludge Reporting Form (**Form 7264**) to the Enforcement Division **WITH** the DMR due on January 28. Additionally, please refer to Part II, Section P of the Class I Permit for information regarding sewage sludge.

Should you have any questions concerning the general permit, please feel free to contact Afton Bessix at (225) 219-3201 or Rachel Davis at (225) 219-3515.

Sincerely,

Environmental Scientist Manager
Water Permits Division

Attachments: DMR Form and Appendix A

cc: IO-W

Louisiana Department of Environmental Quality
Office of Environmental Services

APPENDIX A

Louisiana Pollutant Discharge Elimination System (LPDES)
General Permit LAG530126

Matrix Food Store
111 Lobdell Hwy
Port Allen, Louisiana

In accordance with Part II, Section N, monitoring results shall be reported on a Discharge Monitoring Report (DMR) per the schedule specified. A DMR form must be completed for each wastewater discharge point (outfall) listed below. Instructions are provided on the back of the DMR form.

When completing a DMR form, the permittee shall place the discharge number of the corresponding wastewater discharge point in the "Discharge Number" box. The following is a list of the wastewater discharge point(s) from your facility with the assigned discharge number, discharge location, and the final effluent limitations and monitoring requirements:

Discharge Number	Discharge Location	Discharge Description	Final Effluent Limitations and Monitoring Requirements
Outfall 001	At the point of discharge from the sewage treatment facility	Treated sanitary wastewater	Part I, Section B, Schedule A, Page 3 of 16

TERMINATION CODE SHEET

PERMIT NUMBER: LAG530126

FACILITY NAME: Matrix Food Store

FACILITY TERMINATION DATE: 8/13/13

AI NUMBER: 18777 PERMIT WRITER NAME: Laura Thompson

FACILITY STATUS: CHECK ONE *Please include EMDS document # for termination letter, inspection report, memo to file etc.*

[ ] FACILITY CLOSED EDMS Doc ID#:

[ ] NO DISCHARGE EDMS Doc ID#:

[ ] GENERAL PERMIT ISSUED PERMIT #: EDMS Doc ID#:

[X] OTHER; EXPLAIN: discharge permanently terminated by connection to a POTW EDMS Doc ID#: 8950107

TEMPO WAL COMPLETE DATE: 8/16/13 ACTIVITY NUMBER: GEN20120001

CHANGE REQUEST COMPLETE DATE (ALTERNATE HISTORIC ID END DATE): 8/13/13

PERMIT WRITER INITIALS: LKT DATE: 8/1/13

SUPERVISOR INITIALS: KE DATE: 9/6/13

MANAGER INITIALS: DATE:

PCU SUPERVISOR INITIALS: KH DATE: 9-17-13

PCU COMPLETED: DJ DATE: 9-17-13

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL SERVICES

August 13, 2013

Certified Mail 7013 0600 002 2236 2563
Return Receipt Requested

File No.: LAG530126
AI No.: 18777
Activity No.: GEN20120001

Chad S. Cole
Matrix Food Store
614 Woodvale Ave.
Lafayette, LA 70503

Re: Cancellation of coverage under LPDES General Permit Authorization LAG530126 reissued July 1, 2013, to the Matrix Food Store located at 111 Lobdell Hwy in Port Allen, West Baton Rouge Parish

Dear Mr. Cole:

In accordance with your written request received July 12, 2013 (copy attached), this Office has canceled coverage under the above-referenced water discharge permit issued to your facility. Your request states that the discharge has been permanently terminated by connection to a POTW. Any future correspondence on this permit should reference the above listed AI number, as well as your permit number.

Please be advised that should operations that result in a discharge to waters of the State resume at this site, an LPDES permit must be obtained prior to discharging in accordance with LAC 33:IX.2311.A.1.

Should you have any questions concerning this cancellation please feel free to contact Laura Thompson at (225) 219-0803 or laura.thompson@la.gov.

Sincerely,

Jennifer Sheppard

Jennifer Sheppard, Manager
Industrial Water Permits

Attachment: permittee request

cc: IO-W

ec: Ashley Broom
Office of Management & Finance

Laura Thompson
Water Permits Division

Permit Compliance Unit
Office of Environmental Compliance

MAIN FILE

AI 5253

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Environmental Services, Permits Division
Post Office Box 4313
Baton Rouge, La 70821-4313
PHONE#: (225) 219-3181

original to IOD
Sm
copy to LA/GA/Parker
AVG

LPDES NOTICE OF INTENT (NOI) TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY GREATER THAN 5 ACRES
(Attach additional pages if needed.)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by an LPDES permit issued for stormwater discharges associated with construction activity in Louisiana. Submission of this Notice of Intent also constitutes that implementation of the Storm Water Pollution Prevention Plan required under the general permit will begin at the time the permittee commences work on the construction project identified in Section II below.

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must have operational control over the facility operations - see LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant/Owner
(Company, Partnership, Corporation, etc.) Gulf Services Contracting, Inc.

Facility Name former McKinley Middle Magnet School Site

Mailing Address 5000 Range Line Road
Mobile, AL Zip Code: 36619

If applicant named above is not also the owner, state owner name, phone # and address.
East Baton Rouge Parish School Board
1050 South Foster Drive, Baton Rouge, LA 70806

Please check status: ☐ Federal ☒ Parish ☐ Municipal ☐ State ☐ Public ☐ Private ☐ Other:

2004 DEC -1 AM 11:22

2. Location of facility. Please provide a specific street, road, highway, interstate, and/or River Mile/Bank location of the facility for which the NOI is being submitted.

1557 McCalop Street

City Baton Rouge Parish East Baton Rouge

Front Gate Coordinates:
Latitude- 30 deg. 25 min. 59 sec. Longitude- 91 deg. 10 min. 32 sec.

Method of Coordinate Determination: website
(Quad Map, Previous Permit, website, GPS)

Is the facility located on Indian Lands? ☐ Yes ☒ No

SECTION I – FACILITY INFORMATION (cont.)

A. Stormwater Pollution Prevention Plan Information.

1. Has the Stormwater Pollution Prevention Plan (SWPP) been prepared? (Do not submit SWPP with this NOI)

   [X] Yes [ ] No

2. Indicate address of location of SWPPP if different from Project Location.

   Address _____

   City _____ State _____ Zip _____

B. Location Information

1. Estimated Construction Start Date: (mo/day/yr) 12/02/04
2. Estimated Construction Completion Date: (mo/day/yr) 01/19/05
3. Estimate of area to be disturbed (to nearest acre) 10

C. Discharge Information

1. If the discharge from the facility first enters a Municipal Separate Storm Sewer System (MS4), provide the name of the MS4.

   _____

2. Name of receiving Waterbody Mississippi River
3. Estimate of Likelihood of Discharge: (choose only one)

   [XX] Unlikely [ ] Once per month [ ] Once per week [ ] Once per day [ ] Continual

4. Based on the attached Endangered Species Guidance are there any listed endangered or threatened species in the project area?

   [ ] Yes [XX] No *There are endangered species listed in the parish but none known in project area.

5. Based on the attached Historic Properties Guidance, are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or in proximity to the discharge?

   [ ] Yes [XX] No

6. Was the State Historic Preservation Office (see Part I.A.3.f of the permit) involved in your determination of eligibility?

   [ ] Yes [XX] No

SECTION III – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

☐ Permits in Louisiana. List Permit Numbers: _____

☐ Permits in other states (list states): _____

☒ No other environmental permits.

B. Do you owe any outstanding fees or final penalties to the Department? ☐ Yes ☒ No

If yes, please explain. _____

C. Is your company a corporation or limited liability company? ☒ Yes ☐ No

If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

SECTION IV – COMPLIANCE HISTORY

Report the history of all violations and enforcement actions for the facility, a summary of all permit excursions including effluent violations reported on the facility's Discharge Monitoring Reports (DMRs) and bypasses for the last three years. Using a brief summary, report on the current status of all administrative orders, compliance orders, notices of violation, cease and desist orders, and any other enforcement actions either already resolved within the past 3 years or currently pending. The state administrative authority may choose, at its discretion, to require a more in-depth report of violations and compliance actions for the applicant covering any law, permit, or order concerning pollution at this or any other facility owned or operated by the applicant.

SECTION V – SITE HISTORY

A. Date operations began at this site: 12/02/04

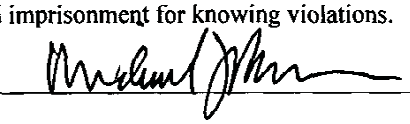
B. Is the current operator the original operator? ☒ Yes ☐ No

If **no**, give a reverse chronological list of previous operators. Include the company name and telephone number (if available), and the dates through which the company operated this facility.

Company	Dates of Operation		Telephone Number
	From	To	

CERTIFICATION

To the best of my knowledge, my facility is eligible for coverage under this general permit and its operation will not result in a discharge of pollutants from sources not covered by the general permit. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am also aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature 

Printed Name Michael J. Brown

Title Vice-President

Date 11/30/04

Telephone (251) 443-8161

IO-W

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

JAN 0 6 2005

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail 7004 0750 0003 5676 3676
Return Receipt Requested

File No. LAR10C805
AI No. 5253 /Gen 20040001

Mr. Michael J. Brown
Gulf Services Contracting, Inc.
5000 Range Line Road
Mobile, AL 36619

MAIN FILE COPY

Re: Storm Water Construction General Permit Coverage Notice
Louisiana Pollutant Discharge Elimination System (LPDES)

Dear Mr. Brown:

Your Notice of Intent (NOI) dated November 30, 2004, for the former McKinley Middle Magnet School Site, located at 1557 McCalop Street in Baton Rouge, East Baton Rouge Parish, has been processed and is administratively complete.

This facility, if qualified under the conditions of the permit and unless notified otherwise by this office, is authorized to discharge storm water associated with construction activity under the terms and conditions established under Louisiana's LPDES Construction General Permit. Your facility's authorization number is LAR10C805. This number and the Agency Interest Number listed above should be referenced in all future correspondence with this office. This coverage replaces and cancels any previous authorization under the EPA Construction General Permit (LAR100000) issued September 9, 1992.

Attached for your use is a copy of the permit. This permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and regular inspections. You must prepare and implement a storm water pollution prevention plan (SWPPP) that is tailored to your site. As a facility authorized to discharge under this general permit, all terms and conditions of the permit must be complied with in order to maintain coverage and to avoid possible penalties.

If you have any questions, please call Darlene Bernard at 225-219-3112 or Yvonne Baker at 225-219-3111 in the Minor Industrial and Municipal Permit Section.

Sincerely,

Tom Killeen

Tom Killeen, Environmental Scientist Manager
Level 2 Minor Industrial and Municipal Permit Section

Attachment: Construction General Permit
c: letter only

Permit Compliance Unit
Office of Environmental Compliance

c: letter and NOI

Yvonne Baker/Work File
Permits Division

IO-W

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

JUN 0 9 2008

Certified Mail 7008 0150 0003 4519 5848
Return Receipt Requested

File No. LAR10C805
AI No. 5253
GEN20040001

Mr. Michael J. Brown
Gulf Services Contracting, Inc.
5000 Range Line Road
Mobile, Alabama 36619

Re: Notice of Termination - Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit

Dear Mr. Brown:

Your request of May 2, 2008 to discontinue coverage under the Louisiana Department of Environmental Quality's storm water general permit has been received and evaluated. By submission of the request, you are certifying that you have reviewed the terms and conditions of the permit and have determined that the facility no longer requires permit coverage. In accordance with your request and certification that coverage is no longer needed, permit coverage for the facility identified below is terminated in accordance with the provisions of the permit.

Facility:	former McKinley Middle Magnet School Site
Location:	1557 McCalop Street, Baton Rouge
Parish:	East Baton Rouge

If you have any questions, please call Melissa Conti at 225-219-3077.

Sincerely,

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

ec:

Permit Compliance Unit
Office of Environmental Compliance

Capital Regional Office
Office of Environmental Compliance

Melissa Conti
Permits Division

Gayle Denino
Office of Management & Finance

c: IO-W

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail 7005 1820 0002 2085 6675 OCT 12 2011
Return Receipt Requested

File No. LAR10H365
AI No. 177088
GEN20110001

Mr. Dale Phillips
Womack-Dunn Construction Team, a Joint Venture
8400 Jefferson Highway
Baton Rouge, Louisiana 70809

Re: Storm Water Construction General Permit Coverage Notice
Louisiana Pollutant Discharge Elimination System (LPDES)

Dear Mr. Phillips:

Your Notice of Intent (NOI) received July 1, 2011, for the project named below has been processed and is administratively complete.

Project Name: OLOL East Tower & ED Trauma Additions & Offsite Staging Area
Location: 5050 Essen Lane and at the end of One Calais Avenue, Baton Rouge
Parish: East Baton Rouge

This construction project, if qualified under the conditions of the permit and unless notified otherwise by this office, is authorized to discharge storm water associated with construction activity to Ward Creek under the terms and conditions established under Louisiana's LPDES Construction General Permit. Your project's authorization number is LAR10H365. **This number and the Agency Interest Number listed above should be referenced in all future correspondence with this office.**

Attached for your use is a copy of the permit. This permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and regular inspections. You must prepare and implement a storm water pollution prevention plan (SWPPP) that is tailored to your site. As a construction project authorized to discharge under this general permit, all terms and conditions of the permit must be complied with in order to maintain coverage and to avoid possible penalties.

Coverage under this permit does not relieve the permittee from any regulatory responsibility to apply for and receive other permits or authorizations that may be required as a result of activities ongoing or planned at this site. Any activity resulting in a discharge to waters of the state, such as that from a sanitary sewage treatment plant, must have all necessary permits prior to commencement of the planned discharge.

Attached is a Request for Preliminary Determination of LPDES Permit Issuance Form. Complete and submit this form to DEQ's Water Permits Division within 30 days. Please be aware that because of current impairment to these waterways, proposed new discharges may require advanced treatment, effluent reduction, or be required to connect to a regional treatment system. You are advised to immediately contact Yvonne Baker in the Water Permits Division to discuss such proposed discharges and plans for treatment; Ms. Baker can be reached at (225) 219-3193, yvonne.baker@la.gov.

Your facility will be assessed an Annual Maintenance and Surveillance Fee to be invoiced separately by the agency. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code. Should you owe any past due fees to the Department, you must pay them as soon as possible, pursuant to LAC 33.IX.1309.I, LAC 33.IX.6509.A.1 and LAC 33.I.1701. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. **Any past due fees must be remitted via a check to the Louisiana Department of Environmental Quality within thirty (30) days after the effective date of authorization under the permit.**

If you have any questions, please call Debbie Bissett at 225-219-3603 in the Municipal and General Water Permits Section.

Sincerely,

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

Attachment: General Permit LAR100000; Request for Preliminary Determination of LPDES Permit Issuance Form

ec:

Permit Compliance Unit
Office of Environmental Compliance

Capital Regional Office
Office of Environmental Compliance

c: IO-W

AI 177088
GEN 20110001

LDEQ RECEIPT
2011 JUL -1 PM 2:57

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Environmental Services, Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
PHONE#: (225) 219-3181

original to Low
cc/ copy to MG/RL/Brent
PAAR

LPDES NOTICE OF INTENT (NOI) TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY GREATER THAN 5 ACRES
(Attach additional pages if needed.)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by an LPDES permit issued for stormwater discharges associated with construction activity in Louisiana. In order to be automatically authorized under General Permit LAR100000 you must submit a complete and accurate NOI to LDEQ.

EVERY ITEM MUST BE COMPLETED.

MAIN FILE

Submission of this Notice of Intent also constitutes that implementation of the Storm Water Pollution Prevention Plan required under the general permit will begin at the time the permittee commences work on the construction project identified in Section II below.

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must be a party having operational control over construction plans and specifications and /or a party having day-to-day operational control over those activities at a project site which are necessary to ensure compliance with the storm water pollution prevention plan or other permit conditions LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant (Company, Partnership, Corporation, etc.) Womack-Dunn Construction Team , a Joint Venture

Project Name OLOL East Tower & ED Trauma Additions & offsite Staging Area

(NOTE: Only one NOI needs to be submitted to cover all of the permittee's activities on the common plan of development or sale (e.g., you do not need to submit a separate NOI for each separate lot in a **residential subdivision** or for two separate buildings being constructed on the same property, provided your SWPPP covers each area for which you are the operator.)

Mailing Address 8400 Jefferson Hwy

Baton Rouge, LA Zip Code: 70809

If the applicant named above is not also the owner, state owner name, phone # and address.

Our Lady of the Lake Hospital, Inc. 225-765-8866 (Administrative Offices)

5000 Hennessy Blvd, Baton Rouge, LA 70808 225-921-8406 (Philip Crochet, OLOL)

Check status: [ ] Federal [ ] Parish [ ] Municipal [ ] [ ] State [ ] Public [X] Private [ ] Other:

2. Location of project. Provide a specific address, street, road, highway, interstate, and/or River Mile/Bank location of the project for which the NOI is being submitted.

5050 Essen Lane (East Tower & ED Trauma) & at the East end of One Calais Ave (Staging Area)

City Baton Rouge, LA Zip Code 70808 Parish East Baton Rouge

RECEIVED
JUL 1 - 2011
LDEQ

SECTION I - FACILITY INFORMATION

Front Gate Coordinates:

Latitude- 30 deg. 24 min. 10.7 sec. Longitude- 91 deg. 06 min. 19.6 sec.

Method of Coordinate Determination: Dept. of Natural Resources Sonris Web Site
(ex:http://terraserver-usa.com/Quad Map, Previous Permit, website, GPS)

Is the facility located on Indian Lands? [ ] Yes [X] No

B. Stormwater Pollution Prevention Plan Information.

1. Has the Stormwater Pollution Prevention Plan (SWPPP) been prepared? (NOTE: The SWPPP must be prepared prior to submittal of the NOI. Do **not** submit SWPPP with this NOI.)

   [X] Yes [ ] No

2. Indicate address of location of SWPPP if different from Project Location. **(N/A if SWPPP is located at the construction site.)**

   Address **NA**

   City **NA** State **NA** Zip **NA**

C. Location Information

1. Estimated Construction Start Date: (mo/day/yr) **07/05/2011**
2. Estimated Construction Completion Date: (mo/day/yr) **02/2014**
3. Estimate of area to be disturbed (to nearest acre) **6.0 acres**
4. Type of facility being constructed (circle one): Subdivision, Mall, Retail Outlet, Industrial Park, Business, Hospital Heart & Vascular Center, Emergency Dept Addition & Construction Staging area.

   Other (explain)
5. Is the project part of a larger development or subdivision? [ ] Yes [X] No

   If yes, provide the name of the development or subdivision. **NA**

D. Discharge Information

1. Indicate how the storm water run-off reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your discharge will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Maps can also be obtained online at http://map.deq.state.la.us/ or www.topozone.com. Private map companies can also supply you with these maps. If you cannot locate a map through these sources you can contact the Louisiana Department of Transportation and Development at the address on the first page of this form.

   By Effluent Pipe (effluent pipe, ditch, etc.);

   thence into Ward's Creek (effluent pipe, ditch, etc.);

   thence into Bayou Manchac (Parish drainage ditch, canal, etc.);

   thence into Amite River (named bayou, creek, stream, etc.)

2. Based on Appendix C, the Outstanding Natural Resource Water (ONRW) list, does your stormwater run-off flow directly into a waterbody listed as an ONRW?

   [ ] Yes [X] No

SECTION I - FACILITY INFORMATION

NOTE: If the discharge will ultimately enter a scenic stream, contact the Louisiana Department of Wildlife and Fisheries (LDWF) Scenic Stream Division at 318-343-4044 for direction regarding how to comply with their requirements.

3. Based on Appendix A, Endangered Species Guidance, are there any listed endangered or threatened species in the project area?

   [ ] Yes [X] No

   NOTE: Use the Endangered Species Guidance in Appendix A to determine if there are listed endangered or threatened species in the project area. Applicants should contact the U. S. Fish and Wildlife Service (address is in Appendix A) for guidance if they need assistance in making a determination.

4. Based on Appendix B, Historic Properties Guidance, are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or in proximity to the discharge?

   [ ] Yes [X] No

5. Was the State Historic Preservation Office (see Part I.A.3.f of the permit) involved in your determination of eligibility?

   [ ] Yes [X] No

E. Additional Discharge Information

1. Will the facility being constructed result in a discharge that will require a water discharge permit (including sanitary wastewater, such as a subdivision or apartment complex)?

   [ ] Yes [X] No

2. If yes, does the facility have an LPDES water discharge permit?

   [ ] Yes [ ] No **NA**

3. If yes, what is the LPDES permit number? **NA**

4. If the discharge has an LPDES water discharge permit, will the construction result in an increase to the permitted discharge?

   [ ] Yes [ ] No **NA**

5. If the facility **does not** have an LPDES permit or if the construction will result in an **increased discharge,** the party or developer responsible for construction plans and specifications must provide this information within **14 days** of submittal of the Construction NOI to: DEQ, OES, P.O. Box 4313, Baton Rouge, LA 70821-4313, Attn: Water Permits Division, and obtain a preliminary determination whether permit limits may be more stringent. Failure to submit this information may result in denial of this and/or any future applications for discharge of wastewater to waters of the state. The "Request for Preliminary Determination of LPDES Permit Issuance Form" requests the information referenced above and can be accessed on our web page http://www.deq.louisiana.gov under DIVISIONS, Water Permits, LPDES Permits, LPDES forms.

SECTION II – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits in other states that are identical to, or of a similar nature to, the permit for which you are applying? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

[ ] Permits in Louisiana. List Permit Numbers: NA

[ ] Permits in other states (list states): NA

[X] No environmental permits.

B. Do you owe any outstanding fees or final penalties to the Department? [ ] Yes [X] No

If yes, please explain.

NA

C. Is your company a corporation or limited liability company? [ ] Yes [X] No

If yes, is the corporation or LLC registered with the Secretary of State? [ ] Yes [X] No

SECTION III - SIGNATURE

According to the Louisiana Water Quality Regulations, LAC 33:IX.2503, the following requirements shall apply to the signatory page in this application:

Chapter 25. Permit Application and Special LPDES Program Requirements

2503. Signatories to permit applications and reports

A. All permit applications shall be signed as follows:

1. For a corporation - by a responsible corporate officer. For the purpose of this Section responsible corporate officer means:

   (a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

   (b) The manager of one or more manufacturing, production, or operating facilities provided: the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken together complete and accurate information for permit application requirements; and the authority to sign documents has been assigned or delegated to the manager in accordance with corporation procedures.

NOTE: LDEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in the Permit **Standard Permit Conditions, Part VI.G.1.a(1)** The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under Permit **Standard Permit Conditions, Part VI.G.1a.(2)** rather than to specific individuals.

2. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively; or

3. For a municipality, state, federal or other public agency – by either a principal executive officer or ranking elected official. For the purposes of this section a principal executive officer of a federal agency includes:

   (a) The chief executive officer of the agency, or

   (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I also certify that a storm water pollution prevention plan, including both construction and post construction controls, has been prepared for the site in accordance with the permit and that such plan complies with approved State, Tribal and/or local sediment and erosion plans or permits and/or storm water management plans or permits. I am aware that signature and submittal of the NOI is deemed to constitute my determination of eligibility under one or more of the requirements of Permit Part I.A.3.e(1), related to the Endangered Species Act requirements. To the best of my knowledge, I further certify that such discharges and discharge related activities will not have an effect on properties listed or eligible for listing on the National Register of Historic Places under the National Historic Preservation Act, or are otherwise eligible for coverage under Part I.A.3.f of the permit. I am also aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NOTE: SIGNATURE MUST COMPLY WITH REQUIREMENTS STATED ABOVE IN SECTION III.

Signature _____

Printed Name Dale Phillips

Title V.P.

Company Milton J. Womack, Inc.

Date 7/1/11

Telephone 225-924-8050

***ANY NOI THAT DOES NOT CONTAIN ALL OF THE REQUESTED INFORMATION WILL BE CONSIDERED INCOMPLETE. NOI PROCESSING CANNOT PROCEED UNTIL ALL REQUIRED INFORMATION HAS BEEN SUBMITTED.

MAIL IN

AI-177088
CGEN20110001

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Environmental Services, Water Permits Division
Post Office Box 4313
Baton Rouge, La 70821-4313
Phone#: (225) 219-9371

original to JOW
DF
copy to MFG/CORTS
PAAR

LPDES NOTICE OF TERMINATION (NOT) OF COVERAGE UNDER LPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY GREATER THAN 5 ACRES

SECTION I –PERMIT INFORMATION

Facility's Storm Water General Permit Authorization Number LAR10 H 3 6 5

Check here if you are no longer the Operator of the Facility OR if the facility has been sold [X] Date: 12-31-13

Check here if the Storm water discharge associated with the construction activity is Being Terminated [ ] Date: _____

SECTION II – FACILITY OPERATOR INFORMATION

Name Womack-Dunn Construction Team A Joint Venture

Address 8400 Jefferson Hwy

City Baton Rouge

State LA Zip 70809 Phone 225-924-8050

2014 JUL 21 AM 11:08 DEQ - OES

SECTION III – FACILITY/SITE LOCATION INFORMATION

Name of Project Our Products The Idaho East Tower

Location of Project 5050 Essen Lane

City Baton Rouge State LA Zip 70808

Parish East Baton Rouge

SECTION IV – CERTIFICATION

I certify under penalty of law that all storm water discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or that I am no longer an operator at the construction site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity under this general permit, and that discharging pollutants in storm water associated with construction activity to waters of the State is unlawful under the Clean Water Act where the discharge is not authorized by a LPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violation of this permit or the Clean Water Act.

Print Name Thomas J. Segars Date 7/17/14

Signature Thomas J. Segars

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF MANAGEMENT & FINANCE

February 22, 2013

144
Womack-Dunn Construction Team Joint Venture
8400 Jefferson Hwy
Baton Rouge, LA 70809

AI# 177088 Permit #: LAR10H365
OLOL East Tower & ED Trauma Additions & Offsite
Staging Area - Womack-Dunn Const Jt Venture
5050 Essen Ln (E Tower & ED Trauma)
Baton Rouge, LA 70808

Re: Active Construction Storm Water Permit

Dear Water Permit Contact:

You currently have an active Construction Storm Water Permit, Permit LAR10H365. If you no longer require this permit (for example if construction is completed or if you are no longer the operator), then you should complete the enclosed Notice of Termination Form. Our office must receive this form via mail by April 30, 2013 to the following address to terminate before the next fiscal year billing:

Louisiana Department of Environmental Quality
Office of Environmental Services, Water Permit Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Please be aware if your permit is still active by the beginning of the new fiscal year which is July 1, 2013, you will receive your 2013-2014 Water Annual Monitoring and Maintenance Fee for this permit.

If you have any questions about completing the Notice of Termination Form please contact Kim Corts or Ardrene Logan at kimberly.corts@la.gov or Ardrene.Logan@la.gov. If you have any questions pertaining to fees or invoices please contact Ashley Broom at Ashley.Broom@LA.gov. All calls can be directed to 225-219-5337.

Thank you

Department of Environmental Quality
Financial Services Division

168452

MAIN FILE

DISCOUNTPERMIT.COM

Stormwater Compliance,
Permits & Plans

GEN20090001

original to TDW
copy to Mo/Pa | Bissett
DPM

December 4, 2009

Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
ATTN: Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

DiscountPermit.com
DEQ COPY 1 OF 3

Re: **CONSTRUCTION STORMWATER DISCHARGE PERMIT APPLICATION**
LDEQ CSW-G–NOI Stormwater Construction General Permit
RCS Contractors, Inc.
Perkins Road/ Stanford
C.P. No. 06-CS-TL-0034 – Roadway Project
East Baton Rouge Parish

Dear Sirs/Madam:

Attached is the LDEQ CSW-G application for stormwater discharges regarding **RCS Contractors, Inc.'s** project. This stormwater discharge permit application is for a roadway construction project located in Perkins Road/ Stanford C.P. No. 06-CS-TL-0034 in Baton Rouge, Louisiana (location map attached). This permit application is for **entire city project area including Acadian Thwy, Perkins Rd., and Stanford Ave.**

This project has prepared a Stormwater Pollution Prevention Plan (SWPPP) and will notify your office when operations terminate. We have also notified the **City of Baton Rouge** as to the activity at this site and our stormwater permit application submittal.

The facility site owner will monitor and commence compliance measures as required per the LDEQ stormwater permit and proper stormwater BMPs.

Should you have any questions regarding this permit application or need further information, please call me at the office at 225-268-1477. Thank you for your assistance,

DEQ - OES
2009 DEC 28 PM 4:06

Sincerely,

Diane T. Baum
diane@discountpermit.com

attachments
cc: City of Baton Rouge Permits Office
Aaron Broussard, RCS Contractors, Inc.

To: Prospective Applicants for a Stormwater General Permit Associated with Construction Activity Greater than 5 Acres

Attached is a **Stormwater General Permit Associated with Construction Activity Greater than 5 Acres Notice of Intent (NOI) CSW-G,** for a Louisiana Pollutant Discharge Elimination System (LPDES) permit, authorized under EPA's delegated NPDES program under the Clean Water Act. To be considered complete, every item on the form must be addressed and the last page signed by an authorized company agent. If an item does not apply, please enter "NA" (for not applicable) to show that the question was considered.

Two copies (one original and one copy) of your **completed NOI** should be submitted to:

Mailing Address:
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, LA 70821-4313
Attention: Water Permits Division

Physical Address (if NOI is hand delivered):
Department of Environmental Quality
Office of Environmental Services
602 N Fifth Street
Baton Rouge, LA 70802
Attention: Water Permits Division

Please be advised that completion of this NOI may not fulfill all state, federal, or local requirements for facilities of this size and type.

According to L. R. S. 48:385, any discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from:

Louisiana DOTD
Office of Highways
Post Office Box 94245
Baton Rouge, LA 70804-9245
(225) 379-1927

AND

Louisiana DHH
Office of Public Health
Center for Environmental Services
Post Office Box 4489
Baton Rouge, LA 70821-4489
(225) 342-7395

A copy of the LPDES regulations may be obtained from the Department's website at http://www.deq.louisiana.gov/portal/tabid/1674/Default.aspx#Title33 or by contacting the Office of Environmental Assessment, Regulations Development Section, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314, phone (225) 219-3550.
After the review of the NOI, this Office will issue written notification to those applicants who are accepted for coverage under this general permit.
For questions regarding this NOI please contact the Water Permits Division at (225) 219-3181.
For help regarding completion of this NOI please contact DEQ, Small Business/Small Community Assistance at 1-800-259-2890.

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Environmental Services, Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
PHONE#: (225) 219-3181

LPDES NOTICE OF INTENT (NOI) TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY GREATER THAN 5 ACRES

(Attach additional pages if needed.)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by an LPDES permit issued for stormwater discharges associated with construction activity in Louisiana. In order to be automatically authorized under General Permit LAR100000 you must submit a complete and accurate NOI to LDEQ.

EVERY ITEM MUST BE COMPLETED.

Submission of this Notice of Intent also constitutes that implementation of the Storm Water Pollution Prevention Plan required under the general permit will begin at the time the permittee commences work on the construction project identified in Section II below.

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must be a party having operational control over construction plans and specifications and /or a party having day-to-day operational control over those activities at a project site which are necessary to ensure compliance with the storm water pollution prevention plan or other permit conditions LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant
(Company, Partnership, Corporation, etc.) **RCS Contractors, Inc.**

Project Name **Perkins Road/ Stanford C.P. No. 06-CS-TL-0034**

(NOTE: Only one NOI needs to be submitted to cover all of the permittee's activities on the common plan of development or sale (e.g., you do not need to submit a separate NOI for each separate lot in a **residential subdivision** or for two separate buildings being constructed on the same property, provided your SWPPP covers each area for which you are the operator.)

Mailing Address **3390 Southern Pacific Road**

Port Allen, LA Zip Code: **70767**

If the applicant named above is not also the owner, state owner name, phone # and address.

N/A

Check status: [ ] Federal [ ] Parish [ ] Municipal [ ]
[ ] State [ ] Public [X] Private [ ] Other:

2. Location of project. Provide a specific address, street, road, highway, interstate, and/or River Mile/Bank location of the project for which the NOI is being submitted.

2009 DEC 28 PM 4:06 DEQ - OES

SECTION I - FACILITY INFORMATION

Take I-10W to Acadian Thwy Exit. Take left on Acadian Thwy and travel approximately 1/4 mile. Site location begins at Acadian Thwy to Perkins Rd. and approximately 500 feet down Stanford Ave

City **Baton Rouge** Zip Code **70808** Parish **East Baton Rouge Parish**

Front Gate Coordinates:

Latitude- **30** deg. **25** min. **15.80** sec. Longitude- **91** deg. **9** min. **10.19** sec.

Method of Coordinate Determination: **Topographical Quad Map Software**
(ex:http://terraserver-usa.com/Quad Map, Previous Permit, website, GPS)

Is the facility located on Indian Lands? [ ] Yes [X] No

B. Stormwater Pollution Prevention Plan Information.

1. Has the Stormwater Pollution Prevention Plan (SWPPP) been prepared? (NOTE: The SWPPP must be prepared prior to submittal of the NOI. Do **not** submit SWPPP with this NOI.)

[X] Yes [ ] No

2. Indicate address of location of SWPPP if different from Project Location. **(N/A if SWPPP is located at the construction site.)**

Diane T. Baum/DiscountPermit.com diane@discountpermit.com 225-268-1477 12232

Address **Industriplex Blvd. Suite A-2**

City **Baton Rouge** State **Louisiana** Zip **70809**

C. Location Information

1. Estimated Construction Start Date: (mo/day/yr) **12/15/09**

2. Estimated Construction Completion Date: (mo/day/yr) **3/15/10**

3. Estimate of area to be disturbed (to nearest acre) **20 acres**

4. Is the project part of a larger development or subdivision? [ ] Yes [X] No

If yes, provide the name of the development or subdivision. _____

D. Discharge Information

1. Indicate how the storm water run-off reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your discharge will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Maps can also be obtained online at http://map.deq.state.la.us/ or www.topozone.com. Private map companies can also supply you with these maps. If you cannot locate a map through these sources you can contact the Louisiana Department of Transportation and Development at the address on the first page of this form.

SECTION I - FACILITY INFORMATION

By **Acadian Thwy Parish ditch unto Dawson Creek** (effluent pipe, ditch, etc.);

thence into **Ward Creek unto Bayou Manchac** (effluent pipe, ditch, etc.);

thence into **Amite River** (Parish drainage ditch, canal, etc.);

thence into **Lake Maurepas** (named bayou, creek, stream, etc.)

2. Based on Appendix C, the Outstanding Natural Resource Water (ONRW) list, does your stormwater run-off flow directly into a waterbody listed as an ONRW?

[ ] Yes [X] No

NOTE: If the discharge will ultimately enter a scenic stream, contact the Louisiana Department of Wildlife and Fisheries (LDWF) Scenic Stream Division at 318-343-4044.

3. Based on Appendix A, Endangered Species Guidance, are there any listed endangered or threatened species in the project area?

[ ] Yes [X] No

NOTE: Use the Endangered Species Guidance in Appendix A to determine if there are listed endangered or threatened species in the project area. Applicants should contact the U. S. Fish and Wildlife Service (address is in Appendix A) for guidance if they need assistance in making a determination.

4. Based on Appendix B, Historic Properties Guidance, are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or in proximity to the discharge?

[ ] Yes [X] No

5. Was the State Historic Preservation Office (see Part I.A.3.f of the permit) involved in your determination of eligibility?

[ ] Yes [X] No

E. Additional Discharge Information

1. Will the facility being constructed result in a discharge that will require a water discharge permit (including sanitary wastewater, such as a subdivision or apartment complex)?

[ ] Yes [X] No

2. If yes, the party or developer responsible for construction plans and specifications must provide this information to: DEQ, OES, P.O. Box 4313, Baton Rouge, LA 70821-4313, Attn: Water Permits Division, and obtain a preliminary determination whether permit limits may be more stringent. **Failure to submit this information may result in denial of this and/or any future applications for discharge of wastewater to waters of the state. The "Request for Preliminary Determination of LPDES Permit Issuance Form" requests the information referenced above and can be accessed on our web page http://www.deq.louisiana.gov under DIVISIONS, Water Permits, LPDES Permits, LPDES forms**

SECTION II – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits in other states that are identical to, or of a similar nature to, the permit for which you are applying? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity

SECTION I - FACILITY INFORMATION

applying for the permit or an ownership interest in the permit.)

[ ] Permits in Louisiana. List Permit Numbers: _____

[ ] Permits in other states (list states): _____

[X] No environmental permits.

B. Do you owe any outstanding fees or final penalties to the Department? [ ] Yes [X] No

If yes, please explain.

_____

C. Is your company a corporation or limited liability company? ✓ Yes [ ]

If yes, is the corporation or LLC registered with the Secretary of State? [✓] Yes [ ]

SECTION III - SIGNATURE

According to the Louisiana Water Quality Regulations, LAC 33:IX.2503, the following requirements shall apply to the signatory page in this application:

Chapter 25. Permit Application and Special LPDES Program Requirements

2503. Signatories to permit applications and reports

A. All permit applications shall be signed as follows:

1. For a corporation - by a responsible corporate officer. For the purpose of this Section responsible corporate officer means:

   (a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

   (b) The manager of one or more manufacturing, production, or operating facilities provided: the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken together complete and accurate information for permit application requirements; and the authority to sign documents has been assigned or delegated to the manager in accordance with corporation procedures.

NOTE: LDEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in the Permit **Standard Permit Conditions, Part VI.G.1.a(1)** The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under Permit **Standard Permit Conditions, Part VI.G.1a.(2)** rather than to specific individuals.

2. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively; or

3. For a municipality, state, federal or other public agency – by either a principal executive officer or ranking elected official. For the purposes of this section a principal executive officer of a federal agency includes:

   (a) The chief executive officer of the agency, or

   (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I also certify that a storm water pollution prevention plan, including both construction and post construction controls, has been prepared for the site in accordance with the permit and that such plan complies with approved State, Tribal and/or local sediment and erosion plans or permits and/or storm water management plans or permits. I am aware that signature and submittal of the NOI is deemed to constitute my determination of eligibility under one or more of the requirements of Permit Part I.A.3.e(1), related to the Endangered Species Act requirements. To the best of my knowledge, I further certify that such discharges and discharge related activities will not have an effect on properties listed or eligible for listing on the National Register of Historic Places under the National Historic Preservation Act, or are otherwise eligible for coverage under Part I.A.3.f of the permit. I am also aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NOTE: SIGNATURE MUST COMPLY WITH REQUIREMENTS STATED ABOVE IN SECTION III.

Signature Kerri Biggs

Printed Name Kerri L. Biggs

Title Administrative

Company RCS Contractors, Inc.

Date 12-8-09

Telephone 225-388-9094

*****ANY NOI THAT DOES NOT CONTAIN ALL OF THE REQUESTED INFORMATION WILL BE CONSIDERED INCOMPLETE. NOI PROCESSING CANNOT PROCEED UNTIL ALL REQUIRED INFORMATION HAS BEEN SUBMITTED.**

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

MAR 19 2010

Certified Mail 7009 2820 0001 8249 4390
Return Receipt Requested

File No. LAR10G103
AI No. 168452
GEN20090001

Ms. Kerri L. Biggs
RCS Contractors, Inc.
3390 Southern Pacific Road
Port Allen, Louisiana 70767

Re: Storm Water Construction General Permit Coverage Notice
Louisiana Pollutant Discharge Elimination System (LPDES)

Dear Ms. Biggs:

Your Notice of Intent (NOI) received December 28, 2009 for the project named below has been processed and is administratively complete.

Project Name:	Perkins Road / Stanford C.P. No. 06-CS-TL-0034
Location:	Off Stanford Avenue, Baton Rouge
Parish:	East Baton Rouge

This construction project, if qualified under the conditions of the permit and unless notified otherwise by this office, is authorized to discharge storm water associated with construction activity to Dawson Creek under the terms and conditions established under Louisiana's LPDES Construction General Permit. Your project's authorization number is LAR10G103. **This number and the Agency Interest Number listed above should be referenced in all future correspondence with this office.**

Attached for your use is a copy of the permit. This permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and regular inspections. You must prepare and implement a storm water pollution prevention plan (SWPPP) that is tailored to your site. As a construction project authorized to discharge under this general permit, all terms and conditions of the permit must be complied with in order to maintain coverage and to avoid possible penalties.

Coverage under this permit does not relieve the permittee from any regulatory responsibility to apply for and receive other permits or authorizations that may be required as a result of activities ongoing or planned at this site. Any activity resulting in a discharge to waters of the state, such as that from a sanitary sewage treatment plant, must have all necessary permits prior to commencement of the planned discharge.

Your facility will be assessed an Annual Maintenance and Surveillance Fee in the amount of $264.00, to be invoiced separately by the agency. This payment is not due until your invoice is received. Annual fee amounts are subject to adjustment at a later date by promulgation of changes in the Louisiana Administrative Code. Should you owe any past due fees to the Department, you must pay them as soon as possible, pursuant to LAC 33.IX.1309.I, LAC 33.IX.6509.A.1 and LAC 33.I.1701. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. **Any past due fees must be remitted via a check to the Louisiana Department of Environmental Quality within thirty (30) days after the effective date of authorization under the permit.**

If you have any questions, please call Melissa Conti 225-21-3109 in the Municipal and General Water Permits Section.

Sincerely,

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

Attachment: General Permit LAR100000

cc:

Permit Compliance Unit
Office of Environmental Compliance

Capital Regional Office
Office of Environmental Compliance

c: IO-W

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL SERVICES

September 16, 2010

Certified Mail 70060810000303492535
Return Receipt Requested

File No. LAR10G103
AI No. 168452
GEN20090001

Mr. Aaron Broussard
RCS Contractors, Inc.
3390 Southern Pacific Road
Port Allen, Louisiana 70767

Re: Notice of Termination - Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit

Dear Mr. Broussard:

Your request received July 16, 2010 to discontinue coverage under the Louisiana Department of Environmental Quality's storm water general permit has been received and evaluated. By submission of the request, you are certifying that you have reviewed the terms and conditions of the permit and have determined that the facility no longer requires permit coverage. In accordance with your request and certification that coverage is no longer needed, permit coverage for the facility identified below is terminated in accordance with the provisions of the permit.

Facility:	Perkins Road & Stanford Avenue Project
Location:	Perkins Road & Stanford Avenue, Baton Rouge
Parish:	East Baton Rouge

If you have any questions, please call Bonnie Wascom at 225-219-3091.

Sincerely,

Tom Killeen, Environmental Scientist Manager
Municipal and General Water Permits Section

ec:

Permit Compliance Unit
Office of Environmental Compliance

Capital Regional Office
Office of Environmental Compliance

Ashley Broom
Office of Management & Finance

c: IO-W

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

February 4, 1994

William A. Kucharski
Secretary

CERTIFIED RETURN RECEIPT REQUESTED P 138 788 321

ORIGINAL DOCUMENT
SENT TO FILE

[redacted]
1075 Cinclair Dr.
Port Allen, Louisiana 70767

ATTN: Mr. Steve Heaney

Subject: **NOTICE OF VIOLATION**
HE-N-93-0604

Dear Mr. Heaney:

On or about November 2, 1993, an inspection of Airco Industrial Gases (Respondent) was performed to determine the degree of compliance with the Louisiana Hazardous Waste Regulations.

During the course of the inspection, the following violations were noted:

1. Contrary to **LAC 33:V.1117,** Respondent failed to prepare a contingency plan which included the information as specified in **LAC 33:V.1513.A,B,C,D.2, and F.**

2. Contrary to **LAC 33:V.1119,** Respondent failed to institute a personal training plan program as specified in **LAC 33:V.1515.**

3. Contrary to **LAC 33:V.1105.B.,** Respondent failed to notify the administrative authority within seven (7) days of changes in the information, specifically waste codes D002, D008, D018, F001, F003, and F005, submitted in the application for the identification number.

Written response to this notice of violation may be submitted to the Hazardous Waste Division within thirty (30) days of receipt of this letter. Such response shall include steps taken to correct and prevent recurrence of these violations.

You are hereby notified that the violations described herein, as well as failure or refusal to comply with this Notice of Violation and the provisions herein could subject you to enforcement procedures under Section 2025 of the Environmental Quality Act.

For each violation described herein, the Department reserves the right to seek penalties or compliance with its rules and regulations in any manner allowed by law and nothing herein shall be construed to preclude the right to seek such penalties or compliance.

This action is effective upon receipt.

In order to reduce document handling time, please refer to the docket number on the front of this document on all correspondence in response to this action.

Sincerely,

Glenn A. Miller
Assistant Secretary
Hazardous Waste Division

GAM:JBP:eml

Copies of a request for hearing and/or related correspondence should be addressed to:

Mr. Monroe F. Penrod, Program Manager
Department of Environmental Quality
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178
and
Mr. Jay Pecot
Capitol Regional Office
11720 Airline Highway
Baton Rouge, Louisiana 70809

All requests for hearings should be sent to the attention of:

Administrative Hearings Clerk
Louisiana Department of Environmental Quality
Post Office Box 82263
Baton Rouge, Louisiana 70884-2263

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

February 4, 1994

William A. Kucharski
Secretary

CERTIFIED RETURN RECEIPT REQUESTED P 138 788 321

Airco Industrial Gases
LAD 094 178 050
1075 Cinclair Dr.
Port Allen, Louisiana 70767

ORIGINAL DOCUMENT
RETURN TO FILE ROOM

ATTN: Mr. Steve Heaney

Subject: **NOTICE OF VIOLATION**
HE-N-93-0604

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Glenn A. Miller
Assistant Secretary
Hazardous Waste Division

GAM:JBP:eml

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Administrative Hearings Clerk
Louisiana Department of Environmental Quality
Post Office Box 82263
Baton Rouge, Louisiana 70884-2263

(NOV) 93-0604

SENDER: HW-Enforcement - 5th FLOOR

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Airco Industrial Gases
LAD 094 178 050
1075 Cinclair Dr.
Port Allen, La. 70767

4a. Article Number
P 138 788 321

4b. Service Type
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
7/14/94

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

P 138 788 321

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to: Airco Industrial Gases	
Street and No.: 1075 Cinclair Dr.	
P.O., State and ZIP Code: Port Allen La. 70767	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, June 1991 (NOV) 93-0604

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL COMPLIANCE

October 29, 2009

CERTIFIED MAIL (7003 2260 0005 9322 6511)
RETURN RECEIPT REQUESTED

Airgas Specialty Gases
c/o Tonya Sumners, Port Allen Manager
1075 Cinclare Drive
Port Allen, LA 70767

RE: NOTICE OF DEFICIENCY
Agency Interest # 3444
TEMPO ACTIVITY NUMBER: INS20100001

Dear Tonya Sumners:

On or about October 6, 2009, an inspection of the above referenced facility was conducted to determine compliance with the Louisiana Environmental Quality Act and supporting regulations. The facility is located at 1075 Cinclare Drive, Port Allen, West Baton Rouge Parish, Louisiana. The following areas of concern were noted in the inspection report and/or subsequent file review:

LAC 33:V.1105.B – The facility failed to update the generator status and the waste codes on the HW-1 notification form.

LAC 33:V.1109.E.7 – The facility failed to train their employees in RCRA Personal Training.

We request that you review the areas of concern noted and submit a written response **within 30 days** of receipt of this letter. In your response, please include any action(s) you have taken to correct the above-mentioned areas of concern at your facility.

Please address your written response to:

Department of Environmental Quality
Office of Environmental Compliance
Surveillance Division
P.O. Box 4312
Baton Rouge, LA 70821-4312
Attn: Ms. Tammy Jo Street
Re: Tempo Activity No. INS20100001
Agency interest No. 3444

Failure to satisfactorily resolve the areas of concern will result in a formal referral to the Enforcement Division and the possible issuance of civil orders and/or assessment of civil penalties. If you have any questions or comments regarding this matter, please contact Peter Michgelsen at (225) 219-3600.

Sincerely,

Bobby J. Mayweather
Regional Environmental Scientist Manager
OEC/Surveillance Division

BJM/tjs

c: Peter Michgelsen, Surveillance Division
AI No. 3444
Alt. ID No. LAD094178050

DECLARATION OF ELECTRONIC FILING OF THE 2015 ANNUAL HAZARDOUS WASTE REPORT

For the calendar year January 1, 2015, through December 31, 2015

~~Submit Date~~

EPA ID: LAD094178050

Site/Company Name: AIRGAS SPECIALTY GASES PORT ALLEN

Site Address: 1075 CINCLARE DRIVE

City: PORT ALLEN State: LA Zip: 70767

Mailing Address: 1075 CINCLARE DRIVE

City: PORT ALLEN State: LA Zip: 70767

Contact Name: RAUL MOLIERI Phone No: 2253880900 Ext:

Contact Title: MANAGER

Part I - Declaration of Filer

I certify under penalty of law that the information shown on my 2015 Hazardous Waste Report, which I filed electronically, and that this document and all attachments were prepared under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted, is correct and current. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for known violations.

Part II- Signature of Certification

Last Name: LOFTIS First Name: JOSH Title: ASSISTANT SAFETY DIRECTOR

Signature: Date: 05/19/2016

Part III - Method of File Transmittal

____CD ___X___ARM Web Site

** Note: This is not the 2015 Annual Hazardous Waste Report. Only file this form if you submitted your 2015 Annual Hazardous Waste Report electronically. This form alone does not constitute submittal of the 2015 Hazardous Waste Report but is required for all methods of electronic submission of the report.

Submit Date: 05/19/2016

Send completed form to this address:	LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY **RCRA SUBTITLE C SITE IDENTIFICATION FORM (2015)** Louisiana Department of Environmental Quality Office of Environmental Services Public Participation and Permit Support Division PO Box 4313, Baton Rouge, LA 70821

1. Reason for Submittal

MARK ALL BOX(ES) THAT APPLY

Reason for Submittal:

- ☐ To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)
- ☐ To provide Subsequent Notification of Regulated Waste Activity (to update site identification information).
- ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application.
- ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____).
- ☒ As a component of the Hazardous Waste Report. (If marked, see sub-bullet below)
  - ☒ Site was a TSD facility and/or generator of >1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)

2. Site EPA ID Number

EPA ID Number: LAD094178050

3. Site Name

Name: AIRGAS SPECIALTY GASES PORT ALLEN

4. Site Location Information

Street Adress: 1075 CINCLARE DRIVE
City, Town, or Village: PORT ALLEN
County: LA121
State: LA
Country US
Zip Code: 70767

5. Site Land Type

☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

6. NAICS Code(s) for the Site

A. 424690 **B.** **C.** **D.**

7. Site Mailing Address

Street or P. O. Box: 1075 CINCLARE DRIVE
City, Town, or Village: PORT ALLEN
State: LA **Country:** US **Zip Code:** 70767

8. Site Contact Person

First Name: RAUL **MI:** **Last Name:** MOLIERI
Title: MANAGER
Street or P. O. Box: 1075 CINCLARE DRIVE
City, Town, or Village: PORT ALLEN
State: LA **Country:** US **Zip Code:** 70767
Email : raul.molieri@airgas.com
Phone: 2253880900 **Ext:** **Fax:**

9. Operator and Legal Owner of the Site

A. Name of Site's Owner: AIRGAS SPECIALTY GASES INC **Date Became Owner:** 02/01/2003

Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

Street or P. O. Box: 1075 CINCLARE DRIVE
City, Town, or Village: PORT ALLEN
Phone 2253880900
State: LA **Country:** US **Zip Code:** 70767

B. Name of Site's Operator: AIRGAS SPECIALTY GASES INC **Date Became Operator:** 02/01/2003

Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

EPA ID Number: LAD094178050

10. Type of Regulated Waste Activity
Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-7.

Y☒ N☐ **1. Generator of Hazardous Waste**
If Yes, choose only one of the following - a, b, or c.

- ☒ a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup
- ☐ b. SQG:. 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or
- ☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

If "Yes" above, indicate other generator activities.

Y☒ N☐ **2** Short-Term Generator (generate from a short-term or onetime event and not from on-going processes). If "Yes", provide an explanation in the Comments

Y☐ N☒ **3.** United States Importer of Hazardous Waste

Y☐ N☒ **4.** Mixed Waste (hazardous and radioactive) Generator

Y☐ N☒ **5. Transporter of Hazardous Waste**
If Yes, mark all that apply.

- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y☐ N☒ **6. Treater, Storer, or Disposer of Hazardous Waste (at your site)**
Note: A hazardous waste permit is required for this activity.

Y☐ N☒ **7. Recycler of Hazardous Waste (at your site)**

Y☐ N☒ **8. Exempt Boiler and/or Industrial Furnace**
If Yes, mark each that applies.

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

Y☐ N☒ **9. Underground Injection Control**

Y☐ N☒ **10. Receives Hazardous Waste from Off-site**

B. Universal Waste Activities; Complete all parts 1-2.

Y☐ N☒ **1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site.**
If "Yes", mark all boxes that apply:

- a. Batteries ☐
- b. Pesticides ☐
- c. Mercury containing equipment ☐
- d. Lamps ☐
- e. Other (specify) _____ ☐
- f. Other (specify) _____ ☐
- g. Other (specify) _____ ☐

Y☐ N☒ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this

C. Used Oil Activities; Complete all parts 1-4.

Y☐ N☒ **1. Used Oil Transporter**
If Yes, mark each that applies.

- ☐ a. Transporter
- ☐ b. Transfer Facility

Y☐ N☒ **2. Used Oil Processor and/or Re-refiner**
If Yes, mark each that applies.

- ☐ a. Processor
- ☐ b. Re-refiner

Y☐ N☒ **3. Off-Specification Used Oil Burner**

Y☐ N☒ **4. Used Oil Fuel Marketer**
If Yes, mark each that applies.

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Eligible Academic Entities with Laboratories-Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

You must check with your State to determine if you are eligible to manage laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

☐ 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

☐ a. College or University

☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university

☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

☐ 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Wastes

A. Waste Codes for Federally Regulated Hazardous Wastes.

Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001, D002, D005, D006, D007, D008, D011, D021, D022, D028, D035, F003, F005, P003, P022, P028, P056, P096, U001, U002, U003, U009, U031, U037, U041, U055, U056, U057, U070, U079, U112, U124, U135, U138, U140, U154, U159, U161, U171, U184, U208, U210, U211, U213, U225, U227, U228, U239

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.

Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Notification of Hazardous Secondary Material (HSM) Activity

Y☐ N☒ Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

CLEAN UP ACTIVITIES REMOVING UNUSED CHEMICALS.

14. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Operator, Owner, or an Authorized Representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	JOSH LOFTIS, ASSISTANT SAFETY DIRECTOR	02/01/2016

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
NON PROCESSABLE PAINTS, RESISNS, ADHESIVES IN CANS

B. EPA hazardous waste code
D001 D005 D006 D007 D008 D011 D035 F003 F005

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W209

F. Quantity generated in 2015
1230.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	ARD069748192	H040	1,230.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FOR INCINERATION

B. EPA hazardous waste code	C. State hazardous waste code	D. Source code	E. Form code	F. Quantity generated in 2015	G. Waste minization code
D002		G11 Management method code for source code G25	W001	40.0 UOM Pounds Density ☐ 1 lbs/gal ☐ 2 sg	X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1 ☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	15.00
SITE 2	ARD069748192	H040	25.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FOR INCINERATION

B. EPA hazardous waste code
P028 U184 U208 U211 U225 U228

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W004

F. Quantity generated in 2015
50.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	50.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FOR INCINERATION

B. EPA hazardous waste code
D001 P022

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W004

F. Quantity generated in 2015
200.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	200.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FLAMMABLES FOR INCINERATION

B. EPA hazardous waste code
D001 D028 U037 U041 U056 U057 U079 U112 U213

C. State hazardous waste code

D. Source code	E. Form code	F. Quantity generated in 2015	G. Waste minization code
G11 Management method code for source code G25	W001	200.0 UOM Pounds Density ☐ 1 lbs/gal ☐ 2 sg	X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	200.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FLAMMABLES FOR INCINERATION

B. EPA hazardous waste code
D001 U002 U031 U154 U159

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W001

F. Quantity generated in 2015
200.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	200.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FLAMMABLES FOR INCINERATION

B. EPA hazardous waste code
D001 D021 U002 U003 U009 U031 U055 U057 U070 U112 U140 U154 U161 U162 U171 U213

C. State hazardous waste code

D. Source code	E. Form code	F. Quantity generated in 2015	G. Waste minization code
G11 Management method code for source code G25	W001	900.0 UOM Pounds Density ☐ 1 lbs/gal ☐ 2 sg	X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1 ☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	900.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK FLAMMABLES FOR INCINERATION

B. EPA hazardous waste code
D001 D022 D028 U001 U002 U037 U124 U210 U227 U228 U239

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W001

F. Quantity generated in 2015
875.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	875.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK

B. EPA hazardous waste code
U138

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W001

F. Quantity generated in 2015
12.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	12.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK

B. EPA hazardous waste code
P003

C. State hazardous waste code

D. Source code G11

Management method code for source code G25

E. Form code
W004

F. Quantity generated in 2015
15.0

UOM Pounds

Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?

☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1

☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?

☒ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	15.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK OXIDIZERS

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W001

F. Quantity generated in 2015
10.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	10.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK AEROSOLS

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
20.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	ARD069748192	H040	20.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
LABPACK

B. EPA hazardous waste code
D001 D002

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W001

F. Quantity generated in 2015
5.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055141378	H040	5.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
COMPRESSED GAS

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
5.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD982290140	H141	5.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
FLAMMABLE CYLINDERS FOR DISPOSAL

B. EPA hazardous waste code
D001 U135

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
6.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	ARD069748192	H040	6.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
FLAMMABLE CYLINDERS FOR DISPOSAL

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
43.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD982290140	H141	43.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
TOXIC OR CORROSIVE CYLINDER FOR DISPOSAL

B. EPA hazardous waste code
D001 P096

C. State hazardous waste code

D. Source code G11

Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
5.0

UOM Pounds

Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?

☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1

☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?

☒ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD982290140	H141	5.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
WASTE CHLORINE

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11

Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
50.0

UOM Pounds

Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?

☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1

☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?

☒ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055135388	H141	50.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
WASTE COMPRESSED GAS FLUORINE, HELIUM

B. EPA hazardous waste code
D001 P056

C. State hazardous waste code

D. Source code G11
Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
1.0
UOM Pounds
Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?
☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1
☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055135388	H141	1.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM GM

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 HAZARDOUS WASTE REPORT

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions begining of the instructions and forms booklet before completing this form

SEC. 1

A. Waste description
WASTE DEUTERIUM

B. EPA hazardous waste code
D001

C. State hazardous waste code

D. Source code G11

Management method code for source code G25

E. Form code
W801

F. Quantity generated in 2015
1.0

UOM Pounds

Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste minization code
X

SEC. 2

Was any of this waste managed on site?

☐ 1. Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1

☒ 2. No (SKIP TO SEC.3)

	On-site management method code	Total quantity treated, disposed, or recycled On-site in 2015

SEC. 3

A. Was any of this waste shipped off site in 2015 for treatment, disposal, or recycling?

☒ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site management method code shipped to	D. Total quantity shipped in 2015
SITE 1	TXD055135388	H141	1.00

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM OI

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 Hazardous Waste Report

OFF-SITE IDENTIFICATION

Instructions: Use the detailed instructions of the 2015 Hazardous Waste Annual Report Booklet for assistace completing this form.

SITE 1	A. EPA ID No. of off-site installation or transporter ARD069748192	B. Name of off-site installation or transporter CLEAN HARBORS EL DORADO, LLC
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ Receiving facility	D. Address of off-site installation Street 309 AMERICAN CIRCLE City EL DORADO State AR Zip 71730	
SITE 2	A. EPA ID No. of off-site installation or transporter ILD981957236	B. Name of off-site installation or transporter SET ENVIRONMENTAL INC
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ Receiving facility	D. Address of off-site installation Street 450 SUMAC RD, STE 101 City WHEELING State IL Zip 60090-6350	
SITE 3	A. EPA ID No. of off-site installation or transporter MAD039322250	B. Name of off-site installation or transporter CLEAN HARBORS ENVIRONMENTAL SERVICES INC
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ Receiving facility	D. Address of off-site installation Street 42 LONGWATER DR City NORWELL State MA Zip 02061	
SITE 4	A. EPA ID No. of off-site installation or transporter TXD055135388	B. Name of off-site installation or transporter SET ENVIRONMENTAL
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ Receiving facility	D. Address of off-site installation Street 5738 CHESWOOD ST City HOUSTON State TX Zip 77087	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER

SITE NAME: AIRGAS SPECIALTY GASES PORT ALLEN

EPA ID NO: **LAD094178050**

FORM OI

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

2015 Hazardous Waste Report

OFF-SITE IDENTIFICATION

Instructions: Use the detailed instructions of the 2015 Hazardous Waste Annual Report Booklet for assistace completing this form.

SITE 5	A. EPA ID No. of off-site installation or transporter TXD055141378	B. Name of off-site installation or transporter CLEAN HARBORS DEER PARK
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ Receiving facility	D. Address of off-site installation Street 2027 INDEPENDENCE PKWY S City LA PORTE State TX Zip 77571-9808	
SITE 6	A. EPA ID No. of off-site installation or transporter TXD982290140	B. Name of off-site installation or transporter CLEAN HARBORS LAPORTE
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ Receiving facility	D. Address of off-site installation Street 500 INDEPENDENCE PKWY S City LA PORTE State TX Zip 77571-9768	
SITE 7	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☐ Receiving facility	D. Address of off-site installation Street City State Zip	
SITE 8	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☐ Receiving facility	D. Address of off-site installation Street City State Zip	

Comments:

LDEQ Acknowledgement of Receipt of HW-1

EPA ID	LAR000082370
STATE AI	38392
SITE NAME	ALBERTSONS 2709
ADDRESS	2950 COLLEGE DR
CITY	BATON ROUGE, LA
PARISH, REGION	LA033, CA
MAIL ADDRESS	PO BOX 20
MAIL CITY,STATE	BOISE, ID 83726
CONTACT	ERICA FRANSEN
CONTACT_PHONE	2083954793
FEDERAL STATUS:	3
STATE STATUS:	3
SHORT TERM:	N
HAZ/RAD WASTE:	N
TRANSPORTER	N
TRANSFER_FACILITY	N
TSD_ACTIVITY	N
RECYCLER_ACTIVITY	N
UNDERGROUND INJECTIO	N
UW DESTINATION FAC:	N
USED_OIL_TRANSPORTER	N
USED_OIL_TRANSFER_FACI	N
USED_OIL_PROCESSOR	N
USED_OIL_REFINER	N
USED_OIL_BURNER	N
USED_OIL_MARKET_BURN	N
USED_OIL_SPEC_MARKETE	N
LAST_CHANGE	4/2/2014 8:32:22 AM

Federal Generator Status Codes

1- Large Quantity Generator

2- Small Quantity Generator

3- Conditionally Exempt Small Quantity Generator

Louisiana Generator Status Codes

Note: 1, 2, 3- same as Federal

4- Lab/Testing Facility

5- Short Term Generator

6- Not Generating, Still in Business

7- Not Generating, Out of Business

8- Never Generated

N- No Seperately Defined Activity

V- Cruise Ship

W- Water Transporter

Other Activities

Y- Yes

N- No

Malcolm Lee McNabb, ES III

Permit Support Services Division

malcolm.mcnabb@la.gov, (225) 219-3244

This is acknowledgement of receipt and processing of your recently submitted Notification of Hazardous Waste Activity Form (HW-1).

If any of the information is not accurate, or the site activities have changed, a subsequent HW-1 should be submitted to the LDEQ.

The HW-1 form and other reporting resources may be obtained via the DEQ public website at: www.ldeq.org

MAIL COMPLETED FORM TO: LDEQ/OES/ Environmental Assistance Division/CAS PO Box 4313 Baton Rouge, LA 70821-4313	United States Environmental Protection Agency and **STATE OF LOUISIANA** **DEPARTMENT OF ENVIRONMENTAL QUALITY** **NOTIFICATION OF HAZARDOUS WASTE ACTIVITY** **RCRA SUBTITLE C SITE IDENTIFICATION FORM**	DEQ LOUISIANA

1. Reason for Submittal (CHOOSE ONLY ONE REASON PER SUBMITTAL)

A. Reason for Submittal:

- ☑ To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).
- ☐ To provide subsequent notification (to update site identification information).

or

- ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application.
- ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____).

or

- ☐ As a component of the Hazardous Waste Report.

B. Number of Employees: ~100

2. Site EPA ID Number

EPA ID Number: LAR000082370 AI 38392

3. Site Name

Legal Name: Albertsons #2709

4. Site Location (Physical address, NOT PO Box or Route)

Street Address: 2950 College Drive

City, Town, or Village: Baton Rouge | State: LA

County/Parish Name: East Baton Rouge | Zip Code: 70808

5. Site Land Type

Site Land Type: ☑ Private ☐ County/Parish ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

6. North American Industry Classification System (NAICS) Code(s)

A. 445110 | B. 446110

C. | D.

7. Site Mailing Address

Street or P. O. Box: PO Box 20, Dept. #72405

City, Town, or Village: Boise

State: ID

County/Parish Name: Ada | Zip Code: 83726

8. Site Contact Person

First Name: Erica | MI: | Last Name: Fransen

Phone Number: 208-395-4793 | Phone Number Extension:

9. Legal Owner and Operator of the Site (see instructions)

A. Name of Site's Legal Owner: Albertsons LLC | Date Became Owner (mm/dd/yyyy): 06-02-2006

Owner Type: ☑ Private ☐ County/Parish ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

B. Name of Site's Operator: Albertsons #2709 | Date Became Operator (mm/dd/yyyy): 03-25-1992

Operator Type: ☑ Private ☐ County/Parish ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

Regs & Certs

RECEIVED

MAR 3 1 2014

LDEQ-OES PSSD NOTIFICATIONS & ACCREDITATIONS

LM RCRAInfo 4/2/14
LM TEMPO 4/2

EPA ID No.

10. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes)

A. Hazardous Waste Activities

1. Generator of Hazardous Waste

(Select one of the following categories)

- ☐ a. LQG: Greater than 1,000 kg/mo (2,200 lbs.) Non-acute hazardous waste; or
- ☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) Non-acute hazardous waste; or
- ☑ c. CESQG: Less than 100 kg/mo Non-acute hazardous waste
- ☐ d. NON-GENERATOR

In addition, indicate other generator activities (check all that apply)

- ☐ e. United States Importer of Hazardous Waste
- ☐ f. Mixed Waste (hazardous and radioactive) Generator

For Items 2 through 6, check all that apply:

☐ 2. Transporter of Hazardous Waste

- ☐ Transfer Facility Status (Transporter status must be indicated above)

☐ 3. Treater, Storer, or Disposer of HW (at your site)
Note: A hazardous waste permit is required for this activity.

- ☐ Permitted ☐ Interim Status ☐ Proposed

☐ 4. Recycler of Hazardous Waste (at your site)
Note: A hazardous waste permit may be required for this activity.

5. Exempt Boiler and/or Industrial Furnace

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, Refining Furnace Exemption

☐ 6. Underground Injection Control

B. Universal Waste Activities (Indicate Activity Type)

☐ 1. Large Quantity Handler of Universal Waste [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. (check all boxes that apply):

	Generated	Accumulated
a. Batteries	☐	☐
b. Pesticides	☐	☐
c. Lamps	☐	☐
d. Antifreeze	☐	☐
e. Mercury-containing equipment	☐	☐
f. Electronics	☐	☐

☐ 2. Destination Facility for Universal Waste
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities (Indicate Activity Type)

☐ 1. Used Oil Transporter

- ☐ a. Transporter
- ☐ b. Transfer Facility

☐ 2. Used Oil Processor and/or Re-refiner

- ☐ a. Processor
- ☐ b. Re-refiner

☐ 3. Off-Specification Used Oil Burner

☐ 4. Used Oil Fuel Marketer

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

☐ 5. Used Oil Fuel Burner (Indicate Combustion Device(s))

☐Utility Boiler ☐Industrial Boiler ☐Industrial Furnace

11. Description of Hazardous Wastes Damaged/Leaking retail products and empty warfarin bottles

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D002	P001	P075			

EPA ID No.												

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Comments

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm-dd-yyyy)
EF	Erica Fransen, Env. Compliance Manager	03-13-2014

RECEIVED
FEB 24 1982
Department of Natural Resources
Hazardous Waste Management

STATE OF LOUISIANA

DEPARTMENT OF NATURAL RESOURCES

Hazardous Waste Notification Form

FOR DEPARTMENT USE	
Notification Number	G-22-34
Date Received:	2-24-82
Date Checked:	2-25-82
Checked by:	

Organizational Information

1. Name of Organization: BURMAH-CASTROL, INC.
2. Mailing Address: P. O. BOX 336, PORT ALLEN, LA Zip: 70767
3. Location: 1981 S. WESTPORT DRIVE, PORT ALLEN, LA
4. Contact: F. J. Boden, Plant Manager Telephone: 504/383-5683
5. Description of Operation:
   - Generator with no on-site disposal [XX]
   - Generator with on-site disposal [ ]
   - Transporter [ ]
   - Disposer: Treat [ ] Store [ ] Dispose [ ]

Wastes Information

6. Description and Estimated Quantities of Waste Handled:

GENERATORS: fill in form on reverse for each waste stream X

TRANSPORTERS:
- tons of oilfield brines and drilling mud hauled annually _____
- tons of wastes from petrochemical works hauled annually _____
- tons of other wastes hauled annually _____

DISPOSERS: tons disposed annually by:
- thermal treatment _____
- chemical treatment _____
- physical treatment _____
- biological treatment _____
- injection into deep well _____
- burial _____
- landfarms _____
- other _____

Certification

I have personally examined and am familiar with the information submitted in this document, and I hereby certify under penalty of law that this information is true, accurate, and complete to the best of my knowledge. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

7. Signature: _____

Name of Company

by: F. J. Boden, Plant Manager

Name and Title

February 22nd 1982

Date Signed

DNR Form #HW-1

THIS FORM FOR GENERATORS ONLY

A. Waste Number	B. Hazardous Waste Name	C. Confidential
2234-01	EPA Separator Sludge (non-refinery)	Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)
III D	40	6	1	1

A. Waste Number	B. Hazardous Waste Name	C. Confidential
2234-02	EPA Separator Sludge (non-refinery)	Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)
III D	40	6	2	only in emergency

A. Waste Number	B. Hazardous Waste Name	C. Confidential
2234-03	Oil Water Emulsion	Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)
III D	40	1	2	only in emergency

A. Waste Number	B. Hazardous Waste Name	C. Confidential
		Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)

A. Waste Number	B. Hazardous Waste Name	C. Confidential
		Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)

A. Waste Number	B. Hazardous Waste Name	C. Confidential
		Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)

A. Waste Number	B. Hazardous Waste Name	C. Confidential
		Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)

A. Waste Number	B. Hazardous Waste Name	C. Confidential
		Yes☐ No☐

D. Hazard Class				E Amount
Waste Category	EPA Designation	Physical State	Degree of Care	(tons)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID & HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION
GENERAL INSPECTION
FOLLOW-UP

LOG #: _____

DATE: 8/25/88

*Burmah-

COMPANY: CASTROL, INC. EPA #: LAD028507127

MAILING ADDRESS: 1981 S. WESTPORT DRIVE PORT ALLEN LA 70767

MANAGER: WILMER PASTORIZA CONTACT: SAME PHONE #: (504) 383-5683

OPERATION LOCATION: SAME AS ABOVE PARISH: WEST BATON ROUGE

TYPE OF OPERATION: _____

REASON FOR VISIT:

Follow-Up Notice of Violation/Compliance Order dated 5/23/86

INVESTIGATORS: ROBERT CUNNINGHAM PERSONS INTERVIEWED: F. J. BODEN

NARRATIVE:

A follow-up inspection was performed on 8/25/88 to determine the level of compliance with the enforcement action referenced above.

The site conditions (✓ reflect) (___ do not reflect) compliance with all the terms of the enforcement action.

Items cited in the enforcement action which are still outstanding are described below with recommendations for action as appropriate.

ALSO NOTE THAT THIS FACILITY HAS ADVISED US OF A NAME CHANGE.

Based on the review of all violations noted in the enforcement action, a letter of compliance is recommended. ✓ Yes ___ No

REPORT BY: Robert E. Cunningham REVIEWED BY: _____

THOMAS H. PATTERSON
Enforcement Program Manager

PF

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY

BUDDY ROEMER
GOVERNOR

PAUL H. TEMPLET, Ph.D.
SECRETARY

May 23, 1988

CERTIFIED RETURN RECEIPT REQUESTED P 673 113 838
P 673 113 837

Burmah-Castrol, Inc.
1981 S. Westport Drive
Port Allen, Louisiana 70767
Attn: Wilmer Pastoriza

RE: COMPLIANCE ORDER
LAD028507127

Dear Mr. Pastoriza:

Attached, please find a Compliance Order issued to Burmah-Castrol, Inc. by the Louisiana Department of Environmental Quality, Hazardous Waste Division.

In addition to the violations mentioned in the attached letter, a possible deficiency in the area of waste classification, waste analysis, lack of certification, or treatment standard information, was noted during the inspection. The authorized State program does not include the Land Disposal Restriction which became effective November 8, 1986. Therefore, the U.S. Environmental Protection Agency (EPA) implements and enforces the regulations pertaining to the Land Disposal Restrictions (LDR). This notice is a courtesy, and does not preclude any future formal or informal enforcement action which EPA may determine to be appropriate regarding the apparent LDR violations/possible LDR deficiencies mentioned above. If you have any questions regarding the LDR regulations or possible deficiencies noted, please contact Christina Vail of EPA at 214/655-6775.

If you have any questions regarding this matter, please do not hesitate to contact this office at 504/342-1354.

Sincerely,

Timothy W. Hardy

TIMOTHY W. HARDY
Assistant Secretary

TWH:REC:wl

Attachment

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

IN THE MATTER OF:	*	
	*	
BURMAH-CASTROL, INC.	*	
1981 S. WESTPORT DRIVE	*	
PORT ALLEN, LOUISIANA 70767	*	
ATTN: WILMER PASTORIZA	*	COMPLIANCE ORDER
	*	
	*	
PROCEEDINGS UNDER THE LOUISIANA	*	
ENVIRONMENTAL QUALITY ACT	*	
LA. R.S. 30:1051 ET SEQ.	*	

This COMPLIANCE ORDER is issued to BURMAH-CASTROL, INC. (hereinafter referred to as "the Respondent") by the Louisiana Department of Environmental Quality (hereinafter referred to as "the Department"), under authority granted by the Louisiana Environmental Quality Act (La. R.S. 30:1051 et seq., hereinafter referred to as "the Act") and particularly by Section 1073 C of the Act.

FINDINGS OF FACT

I.

The Respondent operates an oil packaging facility at Port Allen, West Baton Rouge Parish, Louisiana.

II.

An inspection of that facility on or about March 31, 1988 by employees of the Department revealed that:

A. Respondent was storing hazardous waste in an open container, in violation of LAC 33:V.2107.A. (formerly Section 12.4a) of the LHWR).

B. Respondent was accumulating hazardous waste on-site in containers in excess of ninety (90) days without having a permit or interim status, in violation of LAC 33:V.1109.E.1. (formerly Section 7.5e)1) of the LHWR).

C. Respondent has failed to institute a personnel training program, in violation of LAC 33:V.1119. (formerly Section 7.10 of the LHWR).

D. Respondent has failed to prepare a contingency plan, in violation of LAC 33:V.1117. (formerly Section 7.9 of the LHWR).

All of the above are in violation of Section 1147 of the Act as well as regulations cited.

COMPLIANCE ORDER

Based on the foregoing **FINDINGS OF FACT**, Respondent is hereby **ORDERED:**

I.

To immediately close all containers storing hazardous waste.

II.

To immediately ship, for off-site disposal, any drums containing hazardous waste which have been on-site for greater than ninety (90) days.

III.

To, within sixty (60) days after receipt of this **ORDER**, institute a personnel training program.

IV.

To, within sixty (60) days after receipt of this **ORDER**, prepare a contingency plan.

V.

To, within sixty (60) days after receipt of this **ORDER**, implement procedures to ensure that all preparedness and prevention provisions are followed.

VI.

To be hereby notified that issuance of the **ORDER** does not preclude subsequent imposition of civil penalties for each violation described herein.

VII.

To be hereby notified that its refusal to comply with this ORDER and the provisions herein will subject Respondent to possible enforcement procedures under Section 1073 of the Act which could result in the assessment of a civil penalty in an amount not to exceed $50,000 for each day of continued non-compliance.

Done at Baton Rouge, Louisiana, this 23rd day of May, 1988.

This COMPLIANCE ORDER is effective on date of receipt.

Timothy W. Hardy

TIMOTHY W. HARDY
ASSISTANT SECRETARY
Department of Environmental Quality

All correspondence should be addressed to:

Department of Environmental Quality
Hazardous Waste Division
Post Office Box 44307
Baton Rouge, Louisiana 70804-4307

cc:

Please serve the Respondent through its Registered Agent for Service of Process:

C.T. Corporation System
601 Poydras Street
New Orleans, Louisiana 70130

1/50

RECEIVED

AUG 13 2015

LDEQ OES/PSSD

MAIL COMPLETED FORM TO:

LDEQ/OES/
Permit Support
Services/NAS
PO Box 4313
Baton Rouge, LA
70821-4313

United States Environmental Protection Agency
and

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
RCRA SUBTITLE C SITE IDENTIFICATION FORM

DEQ LOUISIANA

1. Reason for Submittal

CHOOSE ONLY ONE REASON PER SUBMITTAL

A. Reason for Submittal:

❑ To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).

xTo provide subsequent notification (to update site identification information).

or

❑ As a component of a First RCRA Hazardous Waste Part A Permit Application.

❑ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____).

or

❑ As a component of the Hazardous Waste Report.

❑ Site met the definition of an LQG in 1 or more months of the reporting year

2015 AUG 13 AM 11:18 LDEQ RECEIPT

B. Number of Employees: 115

2. Site ID Number

EPA ID Number: LAD028507127 **LA AI#:** 1648

3. Site Name

Legal Name: BP Lubricants USA, Inc.

4. Site Location (Physical address, NOT PO Box or Route)

Street Address: 1981 S. Westport Drive

City, Town, or Village: Port Allen **State:** LA

Parish: West Baton Rouge **Zip Code:** 70767

5. Site Land Type

Site Land Type: x❑ Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other

6. North American Industry Classification System (NAICS) Code(s)

A. 324191 **B.**

C. **D.**

7. Site Mailing Address

Street or P. O. Box: 1981 S. Westport Drive

City, Town, or Village: Port Allen

State: LA **Zip Code:** 70767 **Country:** USA

8. Site Contact Person

First Name: Holly **MI:** M **Last Name:** Coleman

Phone Number: 225-382-8526 **Title:** HSSE Coordinator

Mail Address: 1981 S. Westport Drive **City, State, Zip:** Port Allen, LA 70767

Email: holly.coleman@bp.com

9. Legal Owner and Operator of the Site (see instructions)

A. Name of Site's Legal Owner: BP Lubricants USA, Inc. **Date Became Owner (mm/dd/yyyy):** 12/1/2004

Owner Type: x❑ Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other

B. Name of Site's Operator: BP Lubricants USA, Inc. **Date Became Operator (mm/dd/yyyy):** 12/1/2004

Operator Type: x❑ Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other

EPA ID No.	L	A	D	0	2	8	5	0	7	1	2	7

10. Type of Regulated Waste Activity for current activities (as of the date of this form). (Mark 'X' in the appropriate boxes)

A. Hazardous Waste Activities

1. Generator of Hazardous Waste

(Select one of the following categories)

- ☐ a. LQG: Greater than 1,000 kg/mo (2,200 lbs.) Non-acute hazardous waste; or
- X b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) Non-acute hazardous waste; or
- ☐ c. CESQG: Less than 100 kg/mo Non-acute hazardous waste

In addition, indicate other generator activities (check all that apply)

- ☐ d. Short Term Generation (not normally a generator but generated through a One time, Emergency, or Short Term Event). Give details in Comments.
- ☐ e. United States Importer of Hazardous Waste
- ☐ f. Mixed Waste (hazardous and radioactive) Generator

For Items 2 through 6, check all that apply:

- ☐ **2A. Transporter of Hazardous Waste**
- ☐ **2B. Transfer Facility Status** (State approval required prior to startup)
- ☐ **3. Treater, Storer, or Disposer of HW (at your site)**
  Note: A hazardous waste permit is required for this activity.
  ☐ Permitted ☐ Interim Status ☐ Proposed
- ☐ **4. Recycler of Hazardous Waste (at your site)**
  Note: A hazardous waste permit may be required for this activity.
- **5. Exempt Boiler and/or Industrial Furnace**
  - ☐ a. Small Quantity On-site Burner Exemption
  - ☐ b. Smelting, Melting, Refining Furnace Exemption
- ☐ **6. Underground Injection Control**
- ☐ **7. Receives hazardous waste from off site**

B. Universal Waste Activities (Indicate Activity Type)

☐ **1. Large Quantity Handler of Universal Waste** [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. (check all boxes that apply):

	Generated	Accumulated
a. Batteries	☐	☐
b. Pesticides	☐	☐
c. Lamps	☐	☐
d. Antifreeze	☐	☐
e. Mercury-containing equipment	☐	☐
f. Electronics	☐	☐

☐ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities (Indicate Activity Type)

- ☐ **1. Used Oil Transporter**
  - ☐ a. Transporter
  - ☐ b. Transfer Facility (State approval required prior to startup)
- ☐ **2. Used Oil Processor and/or Re-refiner**
  - ☐ a. Processor
  - ☐ b. Re-refiner
- ☐ **3. Off-Specification Used Oil Burner**
- ☐ **4. Used Oil Fuel Marketer**
  - ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
  - ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications
- ☐ **5. Used Oil Fuel Burner (Indicate Combustion Device(s))**
  ☐Utility Boiler ☐Industrial Boiler ☐Industrial Furnace

D. Eligible academic Entities with Laboratories – Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262, Subpart K (THIS DOES NOT YET APPLY IN LOUISIANA)

- ☐ 1. Opting into 40 CFR Part 262, Subpart K for the management of hazardous waste in laboratories, check all that apply.
  - ☐ a. College or University
  - ☐ b. Teaching Hospital owned by or has a formal written affiliation agreement with a college or university
  - ☐ c. Non-Profit Institute owned by or has a formal written affiliation agreement with a college or university
- ☐ 2. Withdrawing from 40 CFR Part 262, Subpart K for the management of hazardous waste in laboratories.

11. **Description of Hazardous Wastes**

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D002, F001, K001, P001, U001, U002, etc).

D001	D039	F005				
D002	F001					
D003	F002					
D008	F003					

Waste Codes for Federal Hazardous Wastes continued. Use an additional page if more spaces are needed for waste codes. (Louisiana does not have separate State Waste codes.)

D001	D008	F002				
D002	D039	F003				
D003	F001	F005				

12. Notification of Hazardous Secondary Material (HSM) Activity (THIS DOES NOT YET APPLY IN LOUISIANA)

Y N Are you notifying in compliance with 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary materials under 40 CFR 261.2(a)(2)(ii), or 40 CFR 261.4(a)(23), (24), or (25)

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments (optional): However, if you have checked "Transfer Facility" for Hazardous Waste or Used Oil, please provide a brief description of the activities and/or changes at your site.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm-dd-yyyy)
Mark Shreve	Mark Shreve, Plant Manager	08·11·2015

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178 BATON ROUGE, LA 70884-2178

INSTALLATION'S EPA ID NUMBER
LAR000031633

NOTIFICATION TYPE: FIRST [X] SUBSEQUENT [ ]

RECEIVED
AUG 28 1998
LDEQ
HWD/ARIM

NAME OF INSTALLATION (Include company and specific site name)
SS# ✓
Chemical Processors Baton Rouge

INSTALLATION LOCATION ADDRESS (physical address, not p.o. box, route number, or hwy number)
STREET
2912 Scenic Highway

CITY OR TOWN: Baton Rouge | STATE: LA | ZIP CODE: 70805-

PARISH NAME: East Baton Rouge | PARISH CODE: 033 | SIC CODE: 5154 | LATITUDE: | LONGITUDE:

INSTALLATION CONTACT (person to be contacted regarding waste activities at site)
LAST NAME: Norris | FIRST NAME: Kathryn | JOB TITLE: Compliance Mgr. | PHONE NUMBER: (925) 814-5931
Area Code

INSTALLATION MAILING ADDRESS
STREET, P.O. BOX OR ROUTE NUMBER
P.O. Box 6100

CITY OR TOWN: Diablo | STATE: CA | ZIP CODE: 94583-

INSTALLATION OWNER (legal owner of installation)
NAME: Chemical Products Corp | PHONE NUMBER: (925) 837-9500
Area Code
STREET, P.O. BOX OR ROUTE NUMBER
P.O. Box 6100

CITY OR TOWN: Diablo | STATE: CA | ZIP CODE: 94583-

CHANGE OF OWNER INDICATOR: YES [ ] NO [X]
Date Changed (Month, Day, Year)

Property Owner (if different from installation owner): _____

INSTALLATION CLASSIFICATION (ALL THREE CATEGORIES MUST BE COMPLETED)
TYPES: F=Federal, S=State, I=Indian, P=Private, C=Parish, M=Municipal, O=Other

Owner Type: RCRIS | Operator Type: P | Property Type: P

SEP 10 1998
SEP 29 1998
PHH

For Official Use Only
CHECK NUMBER: #00215515847

Dept. of Environmental Quality
Hazardous Waste Record Center

A. TYPE OF HAZARDOUS WASTE ACTIVITY

1. GENERATOR
   - ○ a. greater than 1000 kg/mo (2,200 lbs)
   - ○ b. 100 to 1000 kg/mo (220 - 2,200 lbs)
   - ☒ c. less than 100 kg/mo (220 lbs)
   - ○ on-site reuse/recycle operation for own waste only
   - ○ on-site reuse/recycle operation for commercial purposes
   - ○ less than 90 day storage in tanks
2. ○ LABORATORY OR TESTING FACILITY FOR TREATABILITY STUDIES
3. TRANSPORTER (Indicate Mode Below)
   - ○ a. For own waste only
   - ○ b. For commercial purposes

   MODE OF TRANSPORTATION (transporters only)
   ○ highway ○ rail ○ air ○ water

   TRANSFER FACILITY STATUS (month, day, year)
   (Transporter status must be indicated above)

   Requested_____
   Received_____
4. TREATER, STORER, DISPOSER
   ○ Permitted ○ Interim Status ○ Proposed
5. ○ UNDERGROUND INJECTION CONTROL

B. HAZARDOUS WASTE FUEL ACTIVITY

1. ○ GENERATOR MARKETING TO BURNER
2. ○ OTHER MARKETER
3. ○ BOILER AND/OR INDUSTRIAL FURNACE
   - ○ a. smaller defers
   - ○ b. small quantity exemption

   Indicate Type of Combustion Device(s)
   ○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace

C. USED OIL RECYCLING ACTIVITIES

1. MARKETER
   - ○ Marketer Directs Shipment of Used Oil to Burner
   - ○ Marketer Who First Claims the Used Oil Meets the Specifications
2. ○ USED OIL FUEL BURNER
   Indicate Type of Combustion Device(s)
   ○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace
3. ○ USED OIL TRANSPORTER -> Indicate Type of Activity
   - ○ a. transport only
   - ○ b. transport and transfer facility
   - ○ c. transfer facility only

   TRANSFER FACILITY STATUS (month, day, year)
   (Transporter status must be indicated above)

   Requested_____
   Received_____
4. ○ USED OIL PROCESSOR/RE-REFINER
   Indicate Type of Activity
   - ○ a. process only
   - ○ b. process and re-refine
   - ○ c. re-refine only
5. ○ USED OIL BROKER (but not marketer)

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20-24 and LAC 33:V.4909 B,C,D,E)

☒ Ignitable (D001) ○ corrosive (D002) ○ reactive (D003)

○ TC toxic (D004-D043) D001/18 | | | | |

B. Listed Hazardous Wastes (see 40 CFR 261.31-33 and LAC 33:V.4901 B,C,E,F)

CERTIFICATION

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE	NAME AND TITLE (PRINT OR TYPE)	DATE SIGNED
X Kathy L Norris	Kathy L Norris Compliance M.A.	8/14/98

HW-1; 8700-12 (R 01/94)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Environmental Assistance Division-Compliance Assistance Section
P.O. Box 4313, Baton Rouge, LA 70821-4313

CERTIFICATION OF NO HAZARDOUS WASTE ACTIVITY FORM

I certify, under penalty of law, that the facility named below does not presently generate, store, treat, transport, or dispose of hazardous wastes, as defined in the Louisiana Hazardous Waste Regulations. I certify that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

TYPE OF CHANGE RESULTING IN NO HAZARDOUS WASTE ACTIVITY:
(Complete all items that apply)

[ ] *Facility has no hazardous waste present at site.*

[ ] Facility is out of business. Date business closed: _____

[ ] Facility no longer offers services which generate, store, treat, transport, or dispose of hazardous wastes.
Date service discontinued: _____

[ ] Facility has moved to a new location. Date of move: _____
Physical address of new location: _____

[X] Other (please specify): Remediation Site CLOSED 9/20/04

PLEASE INDICATE FOR THE FACILITY REQUESTING CERTIFICATION:
(All items must be completed)

Facility Name: Chevron #709060

EPA Identification Number: LAR000031633

Physical Address: 2929 College DR. Baton Rouge

Name and Title: Kathy Norris Waste Tracking Tec

Signature and Date: Kathy Norris 9/22/04

FOR OFFICE USE ONLY

CA
GEN CEG TRANS _____ TSD _____ B/B _____ OTHER 20619

Revised 9/24/2002

Regs & Certs
Lm RCRA Info 9/29/4
___ TEMPO
___ Excel
___ Other

RECEIVED
SEP 27 2004
LDEQ
OES/EAD

State of Louisiana
DIVISION OF ADMINISTRATION
OFFICE OF STATE PRINTING

M. J. "MIKE" FOSTER, JR.
GOVERNOR

MARK C. DRENNEN
COMMISSIONER OF ADMINISTRATION

FAX COVER SHEET

DATE: 3-18-02

TO: Testa

FAX #: 765-0888

FROM: Karen Cunningham

NUMBER OF PAGES (INCLUDING COVER SHEET): 7

COMMENTS TO RECEIVING PARTY:

If you need additional info. or have any add questions give me a call.

219-9588

Thanks

OFFICE OF STATE PRINTING • P.O. BOX 94095 • BATON ROUGE, LA 70804-9095
950 BRICKYARD LANE • BATON ROUGE, LA 70802
(225) 219-9589 • FAX (225) 219-9598
AN EQUAL OPPORTUNITY EMPLOYER

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Permits Division - Registrations & Certifications Section
P.O. Box 82135, Baton Rouge, LA 70884-2135

INSTALLATION'S EPA ID NUMBER LAR000048173

NOTIFICATION TYPE: First ✓ Subsequent ○

NAME OF INSTALLATION (Include Company and Specific Site Name)
DIVISION OF ADMIN. STATE PRINTING

INSTALLATION LOCATION ADDRESS (Physical Address; Not P.O. Box, Hwy or Route Number)
Street: 950 BRICKYARD LANE
City: BATON ROUGE State: LA Zip Code: 70802
Parish Name: EAST BATON ROUGE
Parish Code: 033 SIC Code: 9199 Latitude: Longitude:

INSTALLATION CONTACT (Person to be Contacted Regarding Waste Activities at the Site)
Last Name: FLOYD First Name: KENNY Job Title: MANAGER Phone Number: 225 219-9570

INSTALLATION MAILING ADDRESS
Street, P.O. Box, or Route Number: 950 BRICKYARD LANE
City: BATON ROUGE State: LA Zip Code: 70802

INSTALLATION OWNER (Legal Owner of Installation)
Last Name: STATE OF LOUISIANA First Name: Phone Number: (225 219-9570
Street, P.O. Box, or Route Number: 950 BRICKYARD LANE
City: BATON ROUGE State: LA Zip Code: 70802

CHANGE OF OWNER INDICATOR: YES ○ NO ✓ **DATE CHANGED:** Month Day Year

Property Owner (If Different than Installation Owner):

INSTALLATION CLASSIFICATION (ALL THREE CLASSIFICATIONS MUST BE COMPLETED)
Types: F=Federal S=State I=Indian P=Private C=Parish M=Municipal O=Other
Owner Type [S] Operator Type [S] Property Type [S]

FOR OFFICIAL USE ONLY
CHECK NUMBER: ISIS

RCRAInfo
MAR 19 2002 TR

Regs & Certs
✓ RCRA Info
TEMPO
Excel
Other

A. TYPE OF HAZARDOUS WASTE ACTIVITY

1. GENERATOR
- ○ a. Greater than 1000 kg/mo (2200 lbs)
- ○ b. 100 to 1000 kg/mo (220-2200 lbs)
- ✓ c. Less than 100 kg/mo (220 lbs)

- ○ On-site reuse/recycle operation for own waste
- ○ On-site reuse/recycle operation for commercial purposes
- ✓ Less than 90 day storage in tanks

○ 2. LABORATORY OR TESTING FACILITY FOR TREATABILITY STUDIES

3. TRANSPORTER (Include Mode Below)
- ○ a. For own waste only
- ✓ b. For commercial purposes

n/a per Karen Cunningham 3-19-02

Mode of Transportation (Transporters only)
✓ Highway ○ Rail ○ Air ○ Water

Transfer Facility Status (month, day, year)
(Transporter status must be indicated above)
Requested 01-07-2001
Received 01-07-2001

4. TREATER, STORER, DISPOSER
○ Permitted ○ Interim Status ○ Proposed

○ 5. UNDERGROUND INJECTION CONTROL

6. UNIVERSAL WASTE
- ○ Batteries (UBAT)
- ○ Pesticides (UPST)
- ○ Thermostats (UTHR)
- ○ Fluorescent Lamps (UFLO)
- ✓ Antifreeze (UANF)

n/a per Karen Cunningham 3-19-02

B. HAZARDOUS WASTE FUEL ACTIVITY
- ○ 1. GENERATOR MARKETING TO BURNER
- ○ 2. OTHER MARKETER
- ○ 3. BOILER AND/OR INDUSTRIAL FURNACE
  - ○ a. Smelter deferral
  - ✓ b. Small quantity exemption

n/A per Karen Cunningham 3-19-02

Indicate Combustion Device(s)
○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace

C. USED OIL RECYCLING ACTIVITIES

1. MARKETER
- ○ Marketer directs used oil shipment to burner
- ○ Marketer who first claims the used oil meets the specifications

N/A

○ 2. USED OIL FUEL BURNER

Indicate Combustion Device(s) N/A
○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace

3. USED OIL TRANSPORTER
- a. Transport only
- b. Transport and transfer facility
- c. Transfer facility only

N/A

Transfer Facility Status (month, day, year)
Requested
Received

4. USED OIL PROCESSOR/RE-REFINER
- a. Process only
- b. Process and re-refine
- c. Re-refine only

N/A

○ 5. USED OIL BROKER (but not marketer)

RECEIVED 2002 FEB -8 PM 1:38 FINANCE & SUPPORT SERVICES

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR261.20-24 and LAC 33:V.4903.B,C,D,E)
○ Ignitable (D001) ○ Corrosive (D002) ○ Reactive (D003)
○ TC Toxic (D004-043)

B. Listed Hazardous Wastes (see 40 CFR261.31-33 and LAC 33:V.4901.B,C,E,F)

D011

D039

Photographic Chemical

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person (s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Kenny Floyd	Manager	Kenneth Floyd	02-07-02
PRINT NAME	PRINT TITLE	SIGN NAME	DATE

HW-1.8700-12 (Revised 07/01)

LDEQ Acknowledgement of Receipt of HW-1

EPA ID	LAR000048785
STATE AI	97769
SITE NAME	DIVISION OF ADMIN STATE PRINTIN
ADDRESS	950 BRICKYARD LN
CITY	BATON ROUGE, LA
PARISH, REGION	LA033, CA
MAIL ADDRESS	PO BOX 94095
MAIL CITY,STATE	BATON ROUGE, LA 70804
CONTACT	KENNY FLOYD
CONTACT_PHONE	2252199570
FEDERAL STATUS:	3
STATE STATUS:	7
SHORT TERM:	N
HAZ/RAD WASTE:	N
TRANSPORTER	N
TRANSFER_FACILITY	N
TSD_ACTIVITY	N
RECYCLER_ACTIVITY	N
UNDERGROUND INJECTIO	N
UW DESTINATION FAC:	N
USED_OIL_TRANSPORTER	N
USED_OIL_TRANSFER_FACI	N
USED_OIL_PROCESSOR	N
USED_OIL_REFINER	N
USED_OIL_BURNER	N
USED_OIL_MARKET_BURN	N
USED_OIL_SPEC_MARKETE	N
LAST_CHANGE	9/3/2015 2:43:51 PM

Federal Generator Status Codes

1- Large Quantity Generator

2- Small Quantity Generator

3- Conditionally Exempt Small Quantity Generator

Louisiana Generator Status Codes

4- Lab/Testing Facility

5- Short Term Generator

6- Not Generating, Still in Business

7- Not Generating, Out of Business

8- Never Generated

N- No Seperately Defined Activity, same as Federal

V- Cruise Ship

W- Water Transporter

Other Activities

Y- Yes

N- No

Malcolm Lee McNabb, ES III
Permit Support Services Division
malcolm.mcnabb@la.gov, (225) 219-3244

This is acknowledgement of receipt and processing of your recently submitted Notification of Hazardous Waste Activity Form (HW-1).

If any of the information is not accurate, or the site activities have changed, a subsequent HW-1 should be submitted to the LDEQ.

The HW-1 form and other reporting resources may be obtained via the DEQ public website at: www.ldeq.org

RECEIVED
SEP - 3 2015
LDEQ
OES/PSS

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Environmental Assistance Division, Compliance Assistance Section
P O Box 4313, Baton Rouge, LA 70821

602 North Fifth St, Baton Rouge, LA 70802 (Physical Address)

CERTIFICATION OF NO HAZARDOUS WASTE ACTIVITY

I certify, under penalty of law, that the facility named below does not presently generate, store, treat, transport, or dispose of hazardous wastes, as defined in the Louisiana Hazardous Waste Regulation. I certify that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

TYPE OF CHANGE RESULTING IN NO HAZARDOUS WASTE ACTIVITY:
(Check all that apply)

____ Facility has no hazardous waste present at site.

_x_ Facility is out of business. Date of Closure: April 2014

____ Facility no longer offers services which generate, store, treat, transport, or dispose of hazardous waste. Date service discontinued: _____

____ Facility has moved to a new location. Date of move: _____
New Physical address: _____

____ Temporary ID being deactivated. Date of last manifest: _____

____ Other, please describe: _____

FOR THE FACILITY REQUESTING CERTIFICATION:

Facility Name: **DIVISION OF ADMIN STATE PRINTING**

EPA ID Number: **LAR000048785**

Physical Address: **950 BRICKYARD LN; BATON ROUGE, LA 70802**

Signature & Date: Steven A Bice 9/2/15

Print Name & Title: Steven A. Bice, Director

FOR OFFICE USE ONLY
DIST CA GEN ____ TRANS ____ TSD ____ B/B ____ AI 97769

Revised 08/2006

9/3/15

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307 BATON ROUGE, LA 70804

INSTALLATION'S EPA ID NUMBER
LAD985199793

NOTIFICATION: FIRST ☒ SUBSEQUENT

RECEIVED
JUN 02 1992
Dept. of Environmental Quality
Hazardous Waste Division

NAME OF INSTALLATION (include company and specific site name)
Exxon Co USA #51052

INSTALLATION LOCATION ADDRESS (physical address, not p.o. box or route number)
STREET
3191 S. Acadian Hwy

CITY OR TOWN: Baton Rouge
STATE:
ZIP CODE:

LATITUDE:
LONGITUDE:
PARISH NAME: Baton Rouge

SIC CODE: 5541
PARISH CODE: 033

INSTALLATION CONTACT (person to be contacted regarding waste activities at site)

LAST NAME	FIRST NAME	JOB TITLE	PHONE NUMBER
POOL	ALDA	STAFF AS 61ST	7136567709

INSTALLATION MAILING ADDRESS
STREET, P.O. BOX OR ROUTE NUMBER
PO BOX 4415

CITY OR TOWN: HOUSTON
STATE: TX
ZIP CODE: 77210

TYPE OF HAZARDOUS WASTE ACTIVITY (fill in circle of appropriate boxes. Refer to instructions.)

GENERATOR:
- ○ greater than 1000 kg/mo.
- ☒ 100 to 1000 kg/mo.
- ○ less than 100 kg/mo.
- ○ on-site reuse/recycle operation
- ○ less than 90 day storage in tanks

TRANSPORTER:
- ○ for own waste only
- ○ for commercial purposes

MODE OF TRANSPORTATION (transporters only)
○ highway ○ rail ○ air ○ water

TRANSFER FACILITY STATUS: (MONTH, DAY, YEAR)
requested _____
received _____

○ TREATER, STORER, DISPOSER (at installation)
*NOTE: a permit is required for this activity
SEE INSTRUCTIONS

RCRIS
AUG 31 1992

HAZARDOUS WASTE FUEL
- ○ generator marketing to burner
- ○ marketer
- ○ burner-type of combustion device
- ○ utility boiler ○ industrial boiler ○ industrial furnace

KG

Per conversation w/ facility 344-8658

USED OIL FUEL ACTIVITIES

- ○ Off-Specification Used Oil Fuel
  - ○ generator marketing to burner
  - ○ marketer
- ○ Used Oil Collector/Transporter
- ○ Used Oil Broker (but not marketer)
- ○ Specification Used Oil Fuel Marketer (or Burner) Who First Claims the Oil Meets the Specification
- ○ burner–type of combustion device
  - ○ utility boiler ○ industrial boiler
  - ○ industrial furnace

OWNER (legal owner of installation; include property owner at bottom *, if different)

NAME: EXXON CO USA — PHONE: 713 656-7161

STREET: P O BOX 4415

CITY OR TOWN: HOUSTON — STATE: TX — ZIP CODE: 77210

INSTALLATION CLASSIFICATION (see instructions)

P Owner type — P Operator type — P Property type

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20–24 and LAC 33:V.4909 B.C.D.E)

- ⊘ Ignitable (D001) ○ corrosive (D002) ○ reactive (D003)
- ⊘ TC toxic (D004-D043): D018

B. Listed Hazardous Wastes (see 40 CFR 261.30–33 and LAC 33:V.4901 B.C.E.F)

CERTIFICATION

I Certify that the information provided herein and appended hereto is true and accurate to the best of my knowledge, information and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE: X ____ NAME AND TITLE (PRINT OR TYPE): J. HARRIS, SENIOR MKTNG ENG. DATE SIGNED: 5/28/92

OES

HW-1 ; 8700-12 (R 6/90)

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307 BATON ROUGE, LA 70804

RECEIVED
NOV 9 - 1990
Dept. of Environmental Quality
Hazardous Waste Division

INSTALLATION'S EPA ID NUMBER

NOTIFICATION: FIRST (X) SUBSEQUENT ( )

NAME OF INSTALLATION (include company and specific site name)

Stoniacid Graham Company

INSTALLATION LOCATION ADDRESS (physical address, not p.o. box or route number)

STREET

1981 Lower Westpoint Drive B

CITY OR TOWN | STATE | ZIP CODE

Port Allen | LA | 70176-17

LATITUDE | LONGITUDE | PARISH NAME

West Baton Rouge

SIC CODE 30815 | PARISH CODE 121

INSTALLATION CONTACT (person to be contacted regarding waste activities at site)

LAST NAME | FIRST NAME | JOB TITLE | PHONE NUMBER

Foister | Bill | | 504/344-4810

INSTALLATION MAILING ADDRESS

STREET, P.O. BOX OR ROUTE NUMBER

Post Office Box 17610

CITY OR TOWN | STATE | ZIP CODE

Port Allen | LA | 70176-17

TYPE OF HAZARDOUS WASTE ACTIVITY (fill in circle of appropriate boxes. Refer to instructions.)

GENERATOR:
- ( ) greater than 1000 kg/mo.
- ( ) 100 to 1000 kg/mo.
- (X) less than 100 kg/mo.
- ( ) on-site reuse/recycle operation
- ( ) less than 90 day storage in tanks

TRANSPORTER:
- ( ) for own waste only
- ( ) for commercial purposes

MODE OF TRANSPORTATION (transporters only)
- ( ) highway ( ) rail ( ) air ( ) water

TRANSFER FACILITY STATUS (MONTH, DAY, YEAR)
requested _____
recieved _____

( ) TREATER, STORER, DISPOSER (at installation)
*NOTE: a permit is required for this activity
SEE INSTRUCTIONS

HAZARDOUS WASTE FUEL
- ( ) generator marketing to burner
- ( ) marketer
- ( ) burner-type of combustion device
  - ( ) utility boiler ( ) industrial boiler ( ) industrial furnace

USED OIL FUEL ACTIVITIES

- ○ Off-Specification Used Oil Fuel
  - ○ generator marketing to burner
  - ○ marketer
- ○ Used Oil Collector/Transporter
- ○ Used Oil Broker (but not marketer)
- ○ Specification Used Oil Fuel Marketer (or Burner) Who First Claims the Oil Meets the Specification
- ○ burner-type of combustion device
  - ○ utility boiler ○ industrial boiler
  - ○ industrial furnace

OWNER (legal owner of installation; include property owner at bottom *, if different)

NAME: SONOCO GRAHAM

PHONE: 504 344-6860

STREET: 1981 SOUTH WESTPORT DR

CITY OR TOWN: ~~PO BOX 7660~~ PORT ALLEN

STATE: LA

ZIP CODE: 70767

INSTALLATION CLASSIFICATION (see instructions)

P Owner type

P Operator type

P Property type

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20–24 and LAC 33:V.4903 B,C,D,E)

○ ignitable (D001) ○ corrosive (D002) ○ reactive (D003)

○ TC toxic (D004-D043)

See Attached

B. Listed Hazardous Wastes (see 40 CFR 261.30–33 and LAC 33:V.4901 B,C,E,F)

CERTIFICATION

I Certify that the information provided herein and appended herto is true and accurate to the best of my knowledge, information and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME AND TITLE (PRINT OR TYPE)	DATE SIGNED
Bill Foster	Bill Foster - Production Manager	11-7-90

*

HW-1 ; 8700-12 (R 6/90)

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION
POST OFFICE BOX 44307
BATON ROUGE, LOUISIANA 70804

ENCOTEC
3985 RESEARCH PARK DR.
ANN ARBOR, MI 48108
(313) 761-1389

RECEIVED
JUL 03 1990

DATA SUMMARY SHEET

PROJECT: RES (LA) Waste Screens — PROJECT NO.: 85110
SAMPLE TYPE: Liquid — REPORT DATE: June, 1990
ALL RESULTS ARE REPORTED ON DRY ☐ WET ☒ WEIGHT BASIS

SAMPLE NAME		DOC # 92-0022-98				
SAMPLE DATE		6-13-90				
PARAMETER	UNITS	ENCOTEC SAMPLE I.D. NUMBER				
		53883				
Acid Scrub lb. caustic NaOH / lb. waste		0.15				
Ash	%	<1				
BTY	BTU	21000				
Flashpoint	°C	>80				
Reactive Cyanide	mg/kg	<250				
Reactive Sulfide	mg/kg	<500				
Specific Gravity	s.u.	0.89				
Sulfur	%	15				
Viscosity	cps	170				

000001

ENCOTEC
3985 RESEARCH PARK DR.
ANN ARBOR, MI 48108
(313) 761-1389

DATA SUMMARY SHEET

PROJECT: RES (LA) Waste Screens
PROJECT NO.: 85110
SAMPLE TYPE: Liquid
REPORT DATE: June, 1990

SAMPLE NAME		DOC # 92-0022-98				
SAMPLE DATE		6-13-90				
PARAMETER	UNITS	ENCOTEC SAMPLE I.D. NUMBER				
		53883				
Antimony	mg/kg	<10				
Arsenic	mg/kg	<10				
Barium	mg/kg	<10				
Beryllium	mg/kg	<10				
Cadmium	mg/kg	<10				
Chromium	mg/kg	<10				
Copper	mg/kg	<10				
Lead	mg/kg	<10				
Manganese	mg/kg	<10				
Mercury	mg/kg	< 5				
Nickel	mg/kg	<10				
Potassium	mg/kg	<10				
Selenium	mg/kg	< 5				
Silicon	mg/kg	<20				

000007

ENCOTEC
3985 RESEARCH PARK DR.
ANN ARBOR, MI 48108
(313) 761-1389

DATA SUMMARY SHEET

PROJECT: RES (LA) Waste Screens
PROJECT NO.: 85110
SAMPLE TYPE: Liquid
REPORT DATE: June, 1990

SAMPLE NAME		DOC# 92-0022-98				
SAMPLE DATE		6-13-90				
PARAMETER	UNITS	ENCOTEC SAMPLE I.D. NUMBER				
		53883				
Silver	mg/kg	<10				
Sodium	mg/kg	17				
Sulfur	mg/kg	500				
Thallium	mg/kg	<10				
Zinc	mg/kg	73				

000003

PAGE _____ OF _____

ENCOTEC
3985 RESEARCH PARK DR.
ANN ARBOR, MI 48108
(313) 761-1389

DATA SUMMARY SHEET

PROJECT: RES (LA) Waste Screens
PROJECT NO.: 85110
SAMPLE TYPE: TCLP Leachate
REPORT DATE: June, 1990

SAMPLE NAME		DOC # 92-0022-98				
SAMPLE DATE		6-13-90				
PARAMETER	UNITS	ENCOTEC SAMPLE I.D. NUMBER				
		53884				
Arsenic	mg/l	< 5				
Barium	mg/l	<100				
Cadmium	mg/l	< 1				
Chromium	mg/l	< 5				
Lead	mg/l	< 5				
Mercury	mg/l	<0.2				
Selenium	mg/l	< 5				
Silver	mg/l	< 5				

000004

PAGE _____ OF _____

Sonoco Graham Company
1981 South Westport Drive
P O Box 760
Port Allen LA 70767-0760

PORT ALLEN
NOV-8'90
LA

U.S.POSTAGE
0.45
H METER 2825467

La. Notification of Hazardous Waste Activity
State Of Louisiana
Dept. of Environmental Quality
HAZARDOUS WASTE DIVISION
P.O. Box 44307
Baton Rouge, LA 70804

LDEQ-EDMS Document 853518, Page 7 of 7

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

CERTIFICATION OF NO HAZARDOUS WASTE ACTIVITY

I certify, under penalty of law, that our facility named below, does not presently generate, store, treat, transport, or dispose hazardous wastes, as defined in the Louisiana Hazardous Waste Regulations. I believe that 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.

TYPE OF CHANGE RESULTING IN NO HAZARDOUS WASTE ACTIVITY:

[ ] Facility is out of business. Date business closed: RECEIVED

[ ] Facility no longer offers services which generate, store, treat, transport, or dispose hazardous waste. Date service discontinued: DEC 17 1997 LDEQ HWD/PMSS

[ ] Facility has moved to a new location. Date of move: _____
Address of new location: _____

[X] Facility has no hazardous waste present at site.

[X] Other (please specify): Discontinued use of Pure Solve Cleaning Solvent on 8/4/95 ✓
SONOCO

PLEASE INDICATE FOR THE FACILITY REQUESTING CERTIFICATION:

Facility Name: GRAHAM PACKAGING CO

EPA Identification Number: ~~LAD028507127~~ LAD985193580

Physical Address: 1981 S. Westport Drive, Port Allen, La 70767

Name, Official Title: CHRISTINA JOHNSON, OFFICE MGR

Signature & Date: Christina Johnson

FOR OFFICE USE ONLY
GEN 3-G TRANS _____ TSD _____ B/B _____ OTHER _____

RCRIS
JAN 29 1998
PHH

RECEIVED
FEB 09 1998
Dept. of Environmental Quality
Hazardous Waste Records Center

OFFICE OF SOLID AND HAZARDOUS WASTE P O BOX 82178 BATON ROUGE, LOUISIANA 70884-2178
TELEPHONE (504) 765-0261 FAX (504) 765-0617

AN EQUAL OPPORTUNITY EMPLOYER
recycled paper

GRAHAM
PACKAGING
COMPANY

1981 South Westport Drive
P.O. Box 760
Port Allen, LA 70767-0760
(504) 344-6860
FAX (504) 387-0221

RECEIVED
DEC 17 1997
LDEQ
HWD/PMSS

December 15, 1997

LA Department of Environmental Quality
Hazardous Waste Division
P. O. Box 82178
Baton Rouge, LA 70884-2178

Attn: Pat

As discussed I have completed the form which indicates that we are no longer a generator. We have not been a generator since 8/4/1995. To add to the confusion we are paying an annual invoice of $50.00 under a different ID #.

When the plant was first opened in 1985/86 we were Sonoco Products Company. We then merged with Graham and our name was Sonoco Graham. In 1989 we became Graham Company.

The ID # for Sonoco Graham is LAD 985193580.
The ID # for Graham Company is LAD028507127.

When I questioned the annual invoice some time ago, I was told that every plant in LA, generator or not is assessed an annual fee.

It would be greatly appreciated if you could help us sort this out.

Thank you for your cooperation.

GRAHAM PACKAGING COMPANY

Christina Johnson

Christina Johnson

attach.

12/18/97- Graham Co. + Castrol NA Automotive are in same bldg @ 1981 S. Westport Dr.
Graham Packing is #LAD985193580 @ 1981 B S. westport
Castrol NA Automotive is #LAD028507127 @ 1981 S. westport
Graham will submit new HW1, then certify out to close Generation
PH

Printed on Recycled Paper

2 HDPE BOTTLES-TO-BOTTLES RECYCLING

GRAHAM
PACKAGING
COMPANY

1981 South Westport Drive
P.O. Box 760
Port Allen, LA 70767-0760
(504) 344-6860
FAX (504) 387-0221

RECEIVED
JAN 2 8 1998
LDEQ
HWD/ARIM

January 26, 1998

LA Department of Environmental Quality
Hazardous Waste Division
P. O. Box 82178
Baton Rouge, LA 70884-2178

Attn: Pat

Please refer to our letter dated December 15, 1997 in which we informed you that we have not been a generator since 8/4/1995.

You informed us that #LAD 985193580 is our ID number under Sonoco Graham Co. and that #LAD 028507127 is Castrol's number.

We have completed all necessary forms to change our name from Sonoco Graham Co. to Graham Packaging Co. (name change only) and we are enclosing our check #680 in the amount of $9.46, the required fee for this change.

Please review all attached forms and let me know if you require additional information.

Thank you for your assistance in this matter.

GRAHAM PACKAGING COMPANY

Christina Johnson
Office Manager

attach.

cj

2 HDPE
BOTTLES-TO-BOTTLES RECYCLING

Printed on Recycled Paper

9.46

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178 BATON ROUGE, LA 70884-2178

RECEIVED
JAN 28 1998
LDEQ
HWD/ARIM

was Sunoco Graham

INSTALLATION'S EPA ID NUMBER
LAD 985 193 580

NOTIFICATION TYPE: FIRST ○ SUBSEQUENT ○

NAME OF INSTALLATION (Include company and specific site name)
~~SUNOCO~~ GRAHAM ~~CO~~ PACKAGING CO.

INSTALLATION LOCATION ADDRESS (physical address, not p.o. box, route number, or hwy number)
1981 S. WESTPORT DR ~~STREET~~

CITY OR TOWN: PORT ALLEN | STATE: LA | ZIP CODE: 70767

PARISH NAME: WEST BATON ROUGE | PARISH CODE: 121 | SIC CODE: 3085 | LATITUDE: | LONGITUDE:

INSTALLATION CONTACT (person to be contacted regarding waste activities at site)
LAST NAME: JOHNSON | FIRST NAME: CHRISTINA | JOB TITLE: OFFICE MGR | PHONE NUMBER: (504) 344-6860 (Area Code)

INSTALLATION MAILING ADDRESS
STREET, P.O. BOX OR ROUTE NUMBER: 1981 S. WESTPORT DR.

CITY OR TOWN: PORT ALLEN | STATE: LA | ZIP CODE: 70767

INSTALLATION OWNER (legal owner of installation)
NAME: GRAHAM PACKAGING CO | PHONE NUMBER: (717) 849-8500 (Area Code)

STREET, P.O. BOX OR ROUTE NUMBER: 1110 E. PRINCESS STREET

CITY OR TOWN: YORK | STATE: PA | ZIP CODE: 17405

CHANGE OF OWNER INDICATOR: YES ✓ NO ○ | 04/05/1989 (Date Changed (Month, Day, Year))

Property Owner (if different from installation owner): _____

INSTALLATION CLASSIFICATION (ALL THREE CATEGORIES MUST BE COMPLETED)
TYPES: F=Federal S=State I=Indian P=Private C=Parish M=Municipal O=Other

Owner Type: P | Operator Type: P | Property Type: P

JAN 28 1998
PHH

For Official Use Only
CHECK NUMBER: #0680

per Christina SSG 1/29/98

A. TYPE OF HAZARDOUS WASTE ACTIVITY

1. GENERATOR
   - ○ a. greater than 1000 kg/mo (2,200 lbs)
   - ○ b. 100 to 1000 kg/mo (220 - 2,200 lbs)
   - ✓ c. less than 100 kg/mo (220 lbs)

   ○ on-site reuse/recycle operation for own waste only
   ○ on-site reuse/recycle operation for commercial purposes

   ○ less than 90 day storage in tanks

2. ○ LABORATORY OR TESTING FACILITY FOR TREATABILITY STUDIES

3. TRANSPORTER (Indicate Mode Below)
   - ○ a. For own waste only
   - ○ b. For commercial purposes

   MODE OF TRANSPORTATION (transporters only)
   ○ highway ○ rail ○ air ○ water

   TRANSFER FACILITY STATUS (month, day, year)
   (Transporter status must be indicated above)
   Requested_____
   Received_____

4. TREATER, STORER, DISPOSER
   ○ Permitted ○ Interim Status ○ Proposed

5. ○ UNDERGROUND INJECTION CONTROL

B. HAZARDOUS WASTE FUEL ACTIVITY

1. ○ GENERATOR MARKETING TO BURNER
2. ○ OTHER MARKETER
3. ○ BOILER AND/OR INDUSTRIAL FURNACE
   - ○ a. smaller deferral
   - ○ b. small quantity exemption

   Indicate Type of Combustion Device(s)
   ○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace

C. USED OIL RECYCLING ACTIVITIES

1. MARKETER
   - ○ Marketer Directs Shipment of Used Oil to Burner
   - ○ Marketer Who First Claims the Used Oil Meets the Specifications

2. ○ USED OIL FUEL BURNER
   Indicate Type of Combustion Device(s)
   ○ Utility Boiler ○ Industrial Boiler ○ Industrial Furnace

3. ○ USED OIL TRANSPORTER -> Indicate Type of Activity
   - ○ a. transport only
   - ○ b. transport and transfer facility
   - ○ c. transfer facility only

   TRANSFER FACILITY STATUS (month, day, year)
   (Transporter status must be indicated above)
   Requested_____
   Received_____

4. ○ USED OIL PROCESSOR/RE-REFINER
   Indicate Type of Activity
   - ○ a. process only
   - ○ b. process and re-refine
   - ○ c. re-refine only

5. ○ USED OIL BROKER (but not marketer)

per Christina waste was D001

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20-24 and LAC 33:V.4903 B,C,D,E)

✓ Ignitable (D001) ○ corrosive (D002) ○ reactive (D003)

○ TC toxic (D004-D043) |_|_|_| |_|_|_| |_|_|_| |_|_|_|

B. Listed Hazardous Wastes (see 40 CFR 261.31-33 and LAC 33:V.4901 B,C,E,F)

|_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_|

|_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_|

|_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_| |_|_|_|

CERTIFICATION

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE	NAME AND TITLE (PRINT OR TYPE)	DATE SIGNED
X Christina Johnson	OFFICE MGR	1/23/98

HW-1; 8700-12 (R 01/94)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No 2050-0028. Expires 9-30-88
GSA No 0246-EPA-OT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

For Official Use Only

Comments

Installation's EPA ID Number	T/A	C	Approved	Date Received (yr. mo. day)
F		1		

1.31 [illegible]

I. Name of Installation

International Piping Systems

II. Installation Mailing Address

Street or P.O. Box

1700 South West Port Dr.

City or Town	State	ZIP Code
Port Allen	LA	70767

III. Location of Installation

Street or Route Number

SAME

City or Town	State	ZIP Code

IV. Installation Contact

Name and Title (last, first, and job title)	Phone Number (area code and number)
Lockhart David (RSO)	504 381 9422

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership (enter code)
Turner Investments	P

VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3 Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel (enter 'X' and mark appropriate boxes below)
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

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MAR 10 1988
Environmental Waste Division

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel (enter 'X' and mark appropriate boxes below)
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer (for On site Burner) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))

- [ ] A. Air
- [ ] B. Rail
- [ ] C. Highway
- [ ] D. Water
- [ ] E. Other (specify)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [X] A. First Notification
- [ ] B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number

ID — For Official Use Only

C W | T/A | C 1

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
D011					

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

- ☐ 1. Ignitable *(D001)*
- ☒ 2. Corrosive *(D002)*
- ☐ 3. Reactive *(D003)*
- ☐ 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that 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.

Signature	Name and Official Title *(type or print)*	Date Signed
David Forkhart	Radiation Safety officer	3-8-88

EPA Form 8700-12 (Rev. 11-85) Reverse

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION
POST OFFICE BOX 44307
BATON ROUGE, LOUISIANA 70804

STATE OF LOUISIANA
HAZARDOUS WASTE DIVISION
OFFICE OF SOLID AND HAZARDOUS WASTE
DEPARTMENT OF ENVIRONMENTAL QUALITY
P. O. BOX 44307 BATON ROUGE, LA 70804

Hazardous Waste Notification Form

☐ HAZARDOUS WASTE ☒ REUSE/RECYCLE

3/22, DO EPA

FOR DEPARTMENT USE

LAD 065066300 GK

Date Received: 4/18/88

Date Checked: 5/3/88

Checked by:

1. NAME OF INSTALLATION: International Piping Systems

2. MAILING ADDRESS: STREET OR P.O. BOX: 1700 South Westport Dr
CITY OR TOWN: Port Allen STATE: LA ZIP CODE: 70767

3. LOCATION: STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: SAME
CITY OR TOWN: STATE: ZIP CODE:
FIPS PARISH CODE: 121

4. CONTACT: NAME & TITLE (last, first & title): Lockhart, David RSO PHONE (area code & no.): 504 381 9422

5. OWNERSHIP: NAME: Turner Investments (P)

6. OPERATOR: NAME OF COMPANY (CONTRACTOR) IF APPLICABLE: Lockhart, David

7. NOTIFICATION TYPE: (Mark applicable boxes. Give installation's La. I.D. No. and EPA I.D. No. if known)

Notification is: ☒ the first for this installation ☐ a subsequent notification

8. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity	B. Used Oil Fuel Activities
☒ 1a Generator	☐ 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
☐ 2. Transporter	☐ a. Generator Marketing to Burner
☐ 3 Treater/Storer/Disposer	☐ b. Other Marketer
☐ 4 Underground Injection	☐ c. Burner
☐ 5 Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*	☐ 7 Specification Used Oil Fuel Marketer/Burner Who First Claims the Oil Meets the Specification
☐ a Generator Marketing to Burner	
☐ b Other Marketer	
☐ c Burner	

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APR 20 1988
Dept. of Environmental Quality
Hazardous Waste Division

9. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

☐ A Utility Boiler ☐ B. Industrial Boiler ☐ C Industrial Furnace

10. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es))*

☐ A Air ☐ B Rail ☐ C Highway ☐ D Water ☐ E. Other *(specify)*

11. DESCRIPTION OF HAZARDOUS WASTES

A HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES (Category I-A)

WASTE NUMBER	DISPOSED ON SITE	DISPOSED OFF SITE	REUSED RECYCLE	

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES (Category I-B)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	

C. COMMERCIAL CHEMICAL PRODUCTS HAZARDOUS WASTES (Category I-C)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	

D CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES (Category II)

1. Mark the boxes corresponding to characteristics of non-listed hazardous wastes your installation handles. Use criteria in Appendix A, Category II.

☐ Ignitable (D001) ☒ Corrosive (D002) ☐ Reactive (D003) ☐ Toxic (D000-EP Toxic)

2. List EP Toxic Waste numbers from codes at Category II-D, Appendix A and make other appropriate entries in the spaces provided.

WASTE NUMBER	DISPOSED ON SITE	DISPOSED OFF SITE	REUSED RECYCLE	
D011		✓	✓	

WASTE NUMBER	DISPOSED ON SITE	DISPOSED OFF SITE	REUSED RECYCLE	

10 CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that 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.

Signature David Lockhart Name and Official Title David Lockhart (Radiation Safety officer)

Company International Piping Systems (IPS) Date Signed 3-8-88

NOTIFICATION SCREEN 1

FACILITY ID: LAD065006300

ACTION | APPROVED | DATE RECEIVED | FACILITY STATUS

NAME OF INSTALLATION: International Piping Systems
COMMENTS: _____

INSTALLATION > STREET: 1700 South Westport Dr
MAILING ADDR > CITY: Port Allen STATE: LA ZIP: 70767

LOCATION OF > STREET: Same
INSTALLATION > CITY: _____ STATE: ZIP: _____

INSTAL. CONTACT: Paul Smith PHONE: 504 381-9426
OWNER NAME: _____ TYPE OF OWNER: _

COUNTY CODE: ___ COUNTY NAME: _____
PARENT DUNS: _____ RCRA INDICATOR: _ HWCTDB: _

NOTIFICATION - SCREEN 2

FACILITY ID: _____

TYPE OF WASTE ACTIVITY: GEN 3 TRANS _ TSD _ UIC _

HWF ACT: _ GEN MKT TO BURNER _ OTHER MARKET _ BURNER _
OSO ACT: _ GEN MKT TO BURNER _ OTHER MARKET _ BURNER _
SO ACT: _

BURNER TYPE: UTILITY BOILER _ INDUS BOILER _ FURNACE _

MODE OF TRANSPORTATION: AIR _ RAIL _ HIGHWAY _ WATER _ OTHER _

HAZARDOUS WASTES: SPECIFIC/NON-SPECIFIC/COMMERCIAL/CHEMICAL/INFECTIOUS
1 ___ ___ ___ ___ ___ ___

PRESS F4 KEY TO EXIT GROUP PROCESSING, F9 & F10 TO REVIEW DATA

CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES.
1. IGNITABLE _ 2. CORROSIVE _ 3. REACTIVE _ 4. TOXIC _

State of Louisiana

Department of Environmental Quality

BUDDY ROEMER
Governor

September 19,1989.

PAUL TEMPLET
Secretary

International Piping Systems
1700 South Westport Drive
Port Allen, La. 70767

RE: Small Quantity Generator Number

Dear Mr. Smith,

This letter acknowleges receipt of your notification form applying for Louisiana Small Quantity Generator status.

The location identification number, LAD 065066300 , is assigned to:

1700 South Westport Drive

The above location with its assigned number is now designated as a Small Quantity Generator in our files. It is suggested that you secure and become familiar with Louisiana's Hazardous Waste Regulations, especially the chapter dealing with Small Quantity Generators. You may order Volume 13 of the Louisiana Administrative Code by contacting the Louisiana Register at (504) 342-5016. Your identification number must be used when manifesting any hazardous waste.

It is important that this office be notified in writing within seven (7) days of ANY changes of the information submitted on your notification form. Should you have any questions please contact this office at (504) 342-4677.

Very truly yours,

Glenn A. Miller
Administrator

GAM/VS/gd

cc: Betty Thibodeaux

LAD 065066300

STATE OF LOUISIANA
HAZARDOUS WASTE DIVISION
OFFICE OF SOLID AND HAZARDOUS WASTE
DEPARTMENT OF ENVIRONMENTAL QUALITY
P. O. BOX 44307 BATON ROUGE, LA 70804

a

Quality

PAUL TEMPLET
Secretary

SMALL QUANTITY GENERATOR HAZARDOUS WASTE NOTIFICATION FORM

1. NAME OF INSTALLATION: International Piping Systems

2. MAILING ADDRESS: P.O. Box 868 (street or p.o. box) Port Allen (city) La. (state) 70767 (zip code)

3. LOCATION: 1700 South Westport Drive (street, route no. or other specific identifier) (city) (state) (zip code)

4. CONTACT: Paul Smith (504) 381-9422 (name & title) (phone [area code & number])

5. OWNERSHIP: Turner Investments, Ltd. (name of company or individual)

7. NOTIFICATION TYPE:
(Mark applicable boxes. Give installation's Louisiana I.D. Number if known)

Notification is: ☐ the first for this installation ☐ a subsequent notification

DESCRIPTION OF HAZARDOUS WASTE GENERATED

Waste Number	Disposed On-Site	Disposed Off-Site	Reused Recycle	Generic Description
LAD		X	X	Fixer

Waste #

I certify u ... and am familiar wi ... uments, and that be ... sible for obtaining t ... is true, accurate a ... lties for submittin ... ne and imprisonme ... I further ... hazardous ... 0kg) of

Signature

6-88
ed

nber

form applying for Louisiana

00 , is assigned to:

Westport Drive

designated as a Small secure and become familiar the chapter dealing with the Louisiana Administrative 016. Your identification ste.

g within seven (7) days of ication form. Should you have 7.

yours,

Miller
ator

GAM/VS/gd

cc: Betty Thibodeaux

State of Louisiana

Department of Environmental Quality

BUDDY ROEMER
Governor

PAUL TEMPLET
Secretary

September 19,1989.

International Piping Systems
1700 South Westport Drive
Port Allen, La. 70767

RE: Small Quantity Generator Number

Dear Mr. Smith,

This letter acknowleges receipt of your notification form applying for Louisiana Small Quantity Generator status.

The location identification number, LAD: 065066300 , is assigned to:

1700 South Westport Drive

The above location with its assigned number is now designated as a Small Quantity Generator in our files. It is suggested that you secure and become familiar with Louisiana's Hazardous Waste Regulations, especially the chapter dealing with Small Quantity Generators. You may order Volume 13 of the Louisiana Administrative Code by contacting the Louisiana Register at (504) 342-5016. Your identification number must be used when manifesting any hazardous waste.

It is important that this office be notified in writing within seven (7) days of ANY changes of the information submitted on your notification form. Should you have any questions please contact this office at (504) 342-4677.

Very truly yours,

Glenn A. Miller
Administrator

GAM/VS/gd

cc: Betty Thibodeaux

OK

LAD 065066300

STATE OF LOUISIANA
HAZARDOUS WASTE DIVISION
OFFICE OF SOLID AND HAZARDOUS WASTE
DEPARTMENT OF ENVIRONMENTAL QUALITY
P. O. BOX 44307 BATON ROUGE, LA 70804

SMALL QUANTITY GENERATOR HAZARDOUS WASTE NOTIFICATION FORM

1. NAME OF INSTALLATION: International Piping Systems

2. MAILING ADDRESS: P.O. Box 868 (street or p o box) Port Allen (city) La. (state) 70767 (zip code)

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4. CONTACT: Paul Smith (504) 381-9422 (name & title) (phone (area code & number))

5 OWNERSHIP: Turner Investments, Ltd. (name of company or individual)

7. NOTIFICATION TYPE:
(Mark applicable boxes. Give installation's Louisiana I.D. Number, if known)

Notification is: ☐ the first for this installation ☐ a subsequent notification

DESCRIPTION OF HAZARDOUS WASTE GENERATED

Waste Number	Disposed On-Site	Disposed Off-Site	Reused Recycle	Generic Description
LAD		X	X	Fixer

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that 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.

I further certify that no more than one hundred kilograms (100kg) of hazardous waste per month is produced at this facility

Paul Smith QC MGR. 9-26-88

Signature Name and Official Title (type or print) Date Signed

INSPECTOR: JPM MONTH/YEAR: 4/90

DATE: 4-26-90 EPA ID: ~~LAD065066500~~

RCRA INSPECTION

G T D R

~~International Piping Systems~~

SITE NAME PHONE

1700 South West Port Drive, Port Allen, La. 70767

MAILING ADDRESS

(Same) West Baton Rouge

LOCATION PARISH

HAZARDOUS WASTE FACILITIES (Type and Number)

STORAGE:

_____ Container Storage Areas

_____ Tanks

_____ Waste Piles

_____ Surface Impoundments

TREATMENT:

_____ Tanks

_____ Surface Impoundments

_____ Incinerators

_____ Other (Chem., Phys., Bio., or Thermal)

DISPOSAL:

_____ Injection Wells

_____ Landfills

_____ Land Treatment

_____ Surface Impoundments

_____ Ocean Disposal

CHECKLISTS REQUIRED:

_____ RCRA CEI TSD

_____ GROUNDWATER

_____ CLOSURE/POST CLOSURE

_____ LAND TREATMENT (FARM)

✓ LAND BAN

✓ Generator

✓ LANDBAN

Does this information agree with permit application? Yes _____ No _____

INSPECTOR(S):

J. P. Meyers

R. P. Johnson

PARTICIPANT(S):

Glenn E. Webb

INSPECTION REPORT TO EPA

DUE TO EPA 6-20-90

SENT TO EPA _____

April 27, 1990

NARRATIVE SHEET

International Piping Systems, Port Allen, LAD06.5066300 is a facility which fabricates specialty piping for industry. Part of the quality control in manufacturing this piping is the X-ray testing of critical welds. Wastes produces from the development of the X-rays is classified as a D011-R waste. At the time of this inspection, it was discovered that this facility had successfully petitioned to be reclassified as a small quantity generator (SQG) on 9-19-89. (see attached correspondence). The generator CEI was still performed and no violations of regulations found.

See attached Small quantity generator checklist.

JPM

RCRA COMPLIANCE INSPECTION REPORT
GENERATORS CHECKLIST

Note: On multiple part questions, circle those not in compliance.

Section A - EPA Identification NO.

1. Does Generator have EPA I.D. NO.? (262.12 - EPA I.D. No.) ✓ Yes ____ No
   CLASS I
   a. If yes, EPA I.D. No. L A D 0 6 5 0 6 6 3 0 0

Section B - Hazardous Waste Determination

1. Does generator generate hazardous waste(s) listed in Subpart D (261.30 - 261.33 - List of Hazardous Waste) 7.2 33:V.1103.

   a. If yes, list wastes and quantities on attachment (Include EPA Hazardous Waste No.) ✓ Yes ____ No

   (Provide waste name and description.)

2. Does generator generate solid waste(s) that exhibit hazardous characteristics? (corrosivity, ignitability, reactivity, EP toxicity) (261.20 - 261.24 - Characteristics of Hazardous waste.) 33:V.1103.B.1. 7.2b)1). Yes ✓ No

   a. If yes, list wastes and quantities on attachment. (Include EPA Hazardous Waste No.) (Provide waste name and description)

   b. Does generator determine characteristics by testing or by applying knowledge of processes? Knowledge

      1. If determined by testing, did generator use test methods in Part 261, Subpart C (or Equivalent)? ____ Yes N/A No

      2. If equivalent test methods used, attach copy of equivalent methods used.

   C. Has generator determined nature of all waste? (7.2)1103. ✓ Yes ____ No
   Class I

3. Are there any other solid wastes deemed non-hazardous generated by generators? (i.e. process waste streams, collected matter from air pollution control equipment, water treatment sludge, etc.) 7.2 1103. ____ Yes ✓ No

   a. If yes, did generator determine non-hazardous charcteristics by testing or knowledge of process? N/A

      1. If determined by testing, did generator use test methods in Part 261, Subpart C (or Equivalent)? ____ Yes N/A No

      2. If equivalent test methods used, attach copy of equivalent methods used.

   b. List wastes and quantities deemed non-hazardous or processes from which non-hazardous wastes were produced. (Use narrative explanations sheet.)

4. Are any wastes recycled, reused or reclaimed on-site? ____ Yes ✓ No

   If yes, use narrative to describe the type and quantity of the waste and the method used for reclamation.

Site Name: _____
I.D. Number: _____

5. Are any wastes shipped off-site for reclamation? ✓ Yes ___ No

If yes, use narrative to describe the type and quantity of the waste and its destination. Also give a description of storage prior to shipment.

Section C - Manifest

1. Does generator ship hazardous waste off-site? (Subpart B - The Manifest) ✓ Yes ___ No

   a. If no, do not fill out Section C and D.

   b. If yes, identify primary off-site facility(s). (Use narrative explanations sheet.)

2. Has generator shipped hazardous waste off-site since November 19, 1980? ✓ Yes ___ No

3. Is generator exempted from regulation because of:

   Small quantity generator (261.5 - Special requirements) ✓ Yes ___ No

   OR

   Produces non-hazardous waste at this time (261.4 - Exclusions) ___ Yes ___ No

4. If not exempted does generator use manifest? (262.20 - General requirements) 7.4a)1) 1107.A.1. ___ Yes ___ No

   a. If yes, does manifest include the following information (262.21 - Required information) (Break up items or circle ones not on manifest)

      1. Manifest Document No. 6.2a)1) & 7.4b) 903.A.1. & 1107.B. ___ Yes ___ No
      2. Generators Name, Mailing Address, Tele. No. 903.A.2. & 1107.B. 6.2a)2) & 7.4b) ___ Yes ___ No
      3. Generator EPA I.D. No. 6.2a)2), 6.6c), & 7.4b) 903.A.2., 911.C., & 1107.B. ___ Yes ___ No
      4. Transporter(s) Name and EPA I.D. No. 6.2.2)3) & 6.6c) 903.A.2., 903.A.3., & 911.C. ___ Yes ___ No
      5. a. Facility Name, Address and EPA I.D. No. 6.2a)4), 6.6c), & 7.4b) 903.A.4., 911.C., & 1107.B. ___ Yes ___ No
      6. DOT description of the waste 6.2a)5) 903.A.5. ___ Yes ___ No
      7. a. Quantity (weight or volume) ___ Yes ___ No
         b. Containers (type and number) 6.2a)6) 903.A.6. ___ Yes ___ No
      8. Emergency Information (XXXXXXX) 7.4a)4) 1107.A.4. (special handling instructions, Phone No.) ___ Yes ___ No

Effective 9/1/85

9. Waste minimization certification ___ Yes ___ No

N/A

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
HAZARDOUS WASTE DIVISION
OFFICE OF SOLID AND HAZARDOUS WASTE
DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. BOX 11307 BATON ROUGE, LA 70804

INSTALLATION'S EPA ID NUMBER	Date Received Mo. Day Yr.	Notification: First subsequent
LAD065066300	07 23 90	☒ ☐

Name of Installation (include company and specific site name)
INTERNATIONAL PIPING SYSTEMS LTD

Installation location address (physical address, not P.O Box)
STREET
1700 S WESTPORT DR
CITY OR TOWN STATE ZIP CODE
PORT ALLEN LA 70767

LATITUDE LONGITUDE

PARISH NAME	PARISH CODE	SIC CODE
W BATON ROUGE	121	3443

Installation contact (person to be contacted regarding waste activities at site)

Last Name	First Name	Job Title	Phone Number
BOURGEOIS	PERRY J	SAFETY COORD	504 381-9922

Installation mailing address
Street, P.O. Box or Route Number
PO BOX 868
City or Town State Zip Code
PORT ALLEN LA 70767

TYPE OF HAZARDOUS WASTE ACTIVITY (mark 'X' in the appropriate boxes. Refer to instructions.)

GENERATOR:
- ☐ greater than 1000 kg/mo
- ☒ 100 to 1000 kg/mo
- ☐ less than 100 kg/mo
- ☐ ~~LA SQG II only~~
- ☒ ~~EPA II only~~

- ☐ on-site reuse/recycle operation
- ☐ less than 90 day storage in tanks

☐ TREATER, STORER, DISPOSER (at installation)
* NOTE: a permit is required for this activity; see instructions.

TRANSPORTER:
- ☐ for own waste only
- ☐ for commericial purposes

Mode of Transportation (transporters only)
☐ highway ☐ rail ☐ air ☐ water
Transfer Facility Status: (month, day, year)
requested _____
received _____

HAZARDOUS WASTE FUEL
- ☐ generator marketing to burner
- ☐ marketer

☐ burner- type of combustion device
☐ utility boiler ☐ industrial boiler ☐ industrial furance

USED OIL FUEL ACTIVITIES

- ☐ Off-Specification Used Oil Fuel
  - ☐ generator marketing to burner
  - ☐ marketer
  - ☐ burner — type of combustion device
    - ☐ utility boiler ☐ industrial boiler
    - ☐ industrial furnace
- ☐ Used Oil Collector / Transporter
- ☐ Used Oil Broker (but not marketer)
- ☐ Specification Used Oil Fuel Marketer (or burner) Who First Claims the Oil Meets the Specification

OWNER (legal owner of installation; include property owner at bottom", if different)

NAME: INTERNATIONAL PIPING

PHONE: 504 381 - 9422

STREET: PO BOX 868

CITY OR TOWN: PORT ALLEN

STATE: LA

ZIP CODE: 70767

INSTALLATION CLASSIFICATION (see instructions)

Owner type: P

Operator type: P

Property type: P

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20-24 and LAC 33:V. 4903 B.C.D.E)

- ☒ ignitable (D001)
- ☐ corrosive (D002)
- ☐ reactive (D003)
- ☐ EP toxic (D004-D017)

B. Listed Hazardous Wastes (see 40 CFR 261.30-33 and LAC 33:V.4901 B.C.E.F)

F003

RECEIVED
JUL 23 1990
Dept. of Environmental Quality
Hazardous Waste Division

CERTIFICATION

I certify that the information provided herein and appended hereto is true and accurate to the best of my knowledge, information and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Title (print or type)	Date Signed
X P.J. Bourgeois	Safety Coordinator	RECEIVED JUN - 1 1990

HW-1 (R 12/89)

Dept. of Environmental Quality

V

State of Louisiana
Department of Environmental Quality

BUDDY ROEMER
Governor

PAUL TEMPLET
Secretary

August 7, 1990

~~International Piping Systems~~
~~LAD065066300~~
Post Office Box 868
Port Allen, Louisiana 70767
Attn: Mr. Glenn E. Webb

Subject: **Site Inspection**
H-E-90-403

Dear Mr. Webb:

On or about April 26, 1990, Mr. Jeff Meyers and Mr. Rich Johnson, of our office conducted an inspection of your facility. No violation of the Louisiana Hazardous Waste Regulations was noted during this visit.

Our inspection report, copy attached, is self explanatory and forwarded for your files.

Thank you for your cooperation in this matter and in protecting our environment.

Sincerely,

Glenn A. Miller
Administrator

GAM:JPM:wl

INSPECTOR: Randy Lionberger DATE: __/__/__

EPA I.D.: LAD 0 / 6/ 5/ 0/ 6/ 6/ 3/ 0/ 0/

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
RCRA COMPLIANCE EVALUATION INSPECTION

INTERNATIONAL PIPING SYSTEMS, LTD.
SITE NAME

P.O. BOX 868, PORT ALLEN, LOUISISNA 70767
MAILING ADDRESS

1700 S. WESTPORT DR. PORT ALLEN, LOUISIANA, WEST BATON ROUGE PARISH
LOCATION

HAZARDOUS WASTE FACILITIES (Type and number)

STORAGE:

- X Container Storage Areas
- ___ Tanks
- ___ Waste Piles
- ___ Surface Impoundments

CHECKLISTS REQUIRED:

- ___ RCRA CEI TSD
- ___ Groundwater
- ___ Closure/post-closure
- ___ Land Treatment (farm)
- ✓ Land Ban
- ✓ GENERATOR

TREATMENT:

- ___ Tanks
- ___ Incinerators
- ___ Surface Impoundments
- ___ Other (Chem, Phys, Bio. or Thermal)

DISPOSAL:

- ___ Injection Wells
- ___ Land Treatment
- ___ Ocean Disposal
- ___ Landfills
- ___ Surface Impoundments

Does the information described above agree with the permit application?
X Yes ____ No

INSPECTOR(S):

Randy Lionberger

Lynn Brou

3/22/94

PARTICIPANT(S):

George A. Banta Jr.

A.T. Cureton

REPORT DUE TO EPA ____/____/____

REPORT SENT TO EPA ____/____/____

INTERNATIONAL PIPING SYSTEMS, LTD.
LAD 065 066 300
RCRA COMPLIANCE EVALUATION INSPECTION

REPORT NARRATIVE

INTRODUCTION

A RCRA CEI was conducted on March 2, 1994 at the International Piping Systems, LTD. facility as the result of a citizen complaint. The facility is located at 1700 S. Westport Drive in Port Allen, and the mailing address is P.O. Box 868, Port Allen, Louisiana 70767. Randy Lionberger, lead inspector, and Lynn Brou, assistant inspector, represented the Louisiana Department of Environmental Quality- Hazardous Division Enforcement (LDEQ-HW-En). Mr. George A. Banta, Jr., Safety and Environmental Manager, represented International Piping Systems, LTD.(IPS). We arrived on location at 10:30 a.m. under an overcast sky. There was a light rain and water standing on the ground from heavy rain on March 1, 1994. The temperature was in the low 50's and the wind was gusty.

PREINSPECTION RECORDS REVIEW

A search of the facility records in the Hazardous Waste Division File Room was conducted prior to the inspection. A hazardous waste notification form (HW-1) for 1990 was reviewed. D001 was the only characteristic waste reported and F003 was the only listed waste reported. The facility notified as a generator producing 100 to 1000 kg/mo. There were no previous violations revealed by the review and no other records were available. There was no evidence that the facility had ever been inspected by the Hazardous Waste Division.

FACILITY DESCRIPTION

The facility, International Piping Systems, is a pipe fabricating plant producing pipe systems from new pipe customized to customer order. Painting is a part of the production process and paint waste is generated. The pipe is painted in an area near the south property line which is bounded by the Intracoastal Waterway which is approximately ten meters distance from the property line.

FACILITY INSPECTION

PAINTING AREA CONTAINMENT

The pipe painting area was inspected. There were approximately 45 to 50 empty paint containers piled in the area. Many were open and the residue dried. The amount of rust on some of the containers indicated that they had been exposed to the weather for some time. The soil in the area was covered with sand from the sand blasting operation. There was no vegetative cover and, with

the exception of a paint storage shed, a sand hopper, and racks to hold the pipe during the sand blasting and painting process, no other structures existed in the pipe painting area. There were three 55-gallon drums of paint waste sitting directly on the ground. All three were rusty but had no dents or apparent leaks. Mr. Banta said that the drums contained paint waste solids. The Material Safety Data Sheets for the paint products used by the facility showed that the paint waste in these three drums contained Xylene (F003/D001) and Methyl Ethyl Ketone (F005/D001). A TCLP Analysis of the paint waste showed the level of lead to be 5.65 ppm and the regulatory level is 5.00 ppm. The three drums were not marked "Hazardous Waste" or dated with the beginning accumulation date in violation of **LAC 33:V.1109.E.1.d.** Two of the drums were uncovered in violation of **LAC:V.2107.A.** Mr. Banta also stated that a fourth drum contained liquid waste solvent which includes Xylene (F003/D001) and PM Acetone (F003/D001) among its constituents. This container was securely covered, and had no apparent leaks; however, it was beginning to rust and had a large dent in the lower one-third of the drum. The respondent failed to transfer the hazardous material to another container in violation of **LAC 33:V.2103.** The drum had been placed on a wooden pallet and was not in direct contact with the ground. The respondent failed to establish a container storage area with a secondary containment system designed and operated in accordance with **LAC 33:V.2111.B,** in violation of **LAC 33:V.2111.A.** All paint waste combustible liquids, [Xylene and Acetone (F003/D001), MEK (F005/D001)], and parts cleaning solvent, Petroleum Naphtha, [which contains tetrachloroethylene (D039/D001/D008)] and the waste flammable solids are sent to Safety-Kleen for fuel substitution or incineration.

PHOTOGRAPHIC QUALITY CONTROL SHOP

Welded joints on the pipe are inspected by radiography. The negatives are rinsed and are disposed by Industrial Radiography Maintenance Supply. The rinse water is sampled and released into a ditch. The silver is recovered by the Industrial Radiography Maintenance Supply Company using an approved silver recovery system. The recovered material meets the definition of a characteristic sludge from a waste water pre-treatment system; therefore, is not a solid waste by LAC 33:V.109.

FACILITY RECORDS REVIEW

The Hazardous Waste Notification Form (HW-1) omitted from the Description of Regulated Waste, F005, D039, and D008, in violation of **LAC 33:V.1105.B.**

The annual report prepared for 1993 omitted D001, and F005 from the waste identification section in violation of LAC **33:V.1111.B.1.e.**

LDEQ-EDMS Document 786407, Page 4 of 120

33:V.1111.B.1.e.

Mr. Banta said that there was no personnel training program as specified in **LAC 33:V.1515** in violation of **LAC 33:V.1119.**

Mr. Banta said that there was no contingency plan in place in violation of **LAC 33:V.1117.**

Mr. Banta said that although he regularly inspected the container storage area, he did not keep written records in violation of **LAC 33:V.2109.C.**

OUT BRIEFING

On March 2, 1994 at approximately 12:30 p.m. an out briefing was conducted with A.T. Cureton, Shop Superintendent; George Banta, Safety and Environmental Manager; Randy Lionberger, and Lynn Brou in attendance. The following areas of regulatory concern were identified:

.1. The facility failed to notify the Administrative Authority, within seven (7) days, of changes in the information submitted in the application for the identification number in violation of **LAC 33:V.1105.B.**

.2. The facility failed to have a containment system for storage of liquid waste that is designed and operated in accordance with **LAC 33:V.2111.B**, in violation of **LAC 33:V.2111.A.**

.3. The facility failed to maintain inspection records of hazardous waste storage areas according to the record keeping requirements of **LAC 33:V.2109.C.**

.4. The facility failed to label or clearly mark containers storing hazardous waste with the words "Hazardous Waste" and the date upon which each period of accumulation began, in violation of **LAC 33:V.1109.E.1.d.**

.5. The facility failed to transfer hazardous waste from a leaking or deteriorated container to a container in good condition, in violation of **LAC 33:V.2103.**

.6. The facility failed to keep containers holding hazardous waste closed during storage except when necessary to add or remove waste, in violation of **LAC 33:V.2107.A.**

.7. The facility failed to include a description, by EPA identification numbers, of hazardous wastes (D001,D008, F005) in the Annual Report for 1993 in violation of **LAC 33:V.1111.B.1.e.**

LDEQ-EDMS Document 786407, Page 5 of 120

8. The facility failed to institute a personnel training program as specified in **LAC 33:V.1515,** in violation of **LAC 33:V.1119.**

9. The facility failed to prepare a contingency plan which included the information as specified in **LAC 33:V.1513.A,B,C,D.2, and F,** in violation of **LAC 33:V.1117.**

EXECUTIVE SUMMARY

On March 2, 1994, Randy Lionberger, lead inspector and Lynn Brou conducted a CEI at International Piping Systems, LTD. 1700 S. Westport Dr., Port Allen, Louisiana. The inspection was the result of a citizen complaint that paint waste was being emptied into a ditch. There was no evidence of this activity; however, a total of nine violations were identified and a Compliance Order is being processed.

ORIGINAL DOCUMENT
RETURN TO FILE ROOM

PF
RF
Randy L.

INTERNATIONAL PIPING SYSTEMS, LTD.

June 28, 1994

Glenn A. Miller
Assistant Secretary for State of Louisiana
Department of Environmental Quality
P.O. Box 82178
Baton Rouge, Louisiana 70884-2178

RECEIVED
JUN 15 1994
Dept. of Environmental Quality
Hazardous Waste Division

Enf

Subject: **Compliance Order ~ Enforcement Tracking No. HE-C-94-0091**

LAD 065 066 300

In response to the Compliance Order issued to International Piping Systems, LTD. by the Louisiana Department of Environmental Quality, Hazardous Waste Division, "Findings of Fact Section II":

A. Containers are marked. **Per LAC 33:V.1109.E.1.d.**

B. Containers are staying closed, except when necessary to add or remove waste. **Per LAC 33:V.2107.A.**

C. This waste has been transferred to a container in good condition. **Per LAC 33:V.2103.**

D. A secondary containment has been purchased to store waste until shipped out. This container will store any waste that has leaked out. **Per LAC 33:V.2111.A.**

E. The new Waste Codes have been sent to the Administrative Authority. **Per LAC 33:V.1105.B.**

F. These Codes have been reported. All Waste Codes will be reported in the Annual Hazardous Waste Report. **Per LAC 33:V.1111.B.1.e.**

G. A date is being set to have all employees trained who are currently handling waste, and who may handle waste in the future. **Per LAC 33:V.1119.**

H. A contingency plan is being prepared per LAC 33: V.1513.A,B,C,D.2, and F.

I. An inspection log book has been prepared and all containers are being inspected weekly. **Per LAC 33:V.2109.C.**

Respectfully,

George Banta, Jr.
Safety Coordinator

A Turner Industries Company

GB:dld 9401

P.O. Box 868, 1700 South Westport Drive, Port Allen, LA 70767
(504) 381-9422 • FAX (504) 381-9746 • TELEX 586-314

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

William A. Kucharski
Secretary

May 24, 1994

CERTIFIED RETURN RECEIPT REQUESTED

P 138 788 428
P 138 788 429

ORIGINAL DOCUMENT
TO FILE

International Piping Systems LTD.
(LAD 065 066 200)
1700 Westport Drive
Port Allen, Louisiana 70767

ATTN: Mr. George Banta, Jr.

Subject: **COMPLIANCE ORDER**
ENFORCEMENT TRACKING NO. HE-C-94-0091

Dear Mr. Banta:

Attached please find a Compliance Order issued to International Piping Systems by the Louisiana Department of Environmental Quality, Hazardous Waste Division.

In order to reduce document handling time, please refer to the enforcement tracking number on the top right of the attached document on all correspondence in response to this action.

If you have any questions regarding this matter, please do not hesitate to contact this office at 504/765-0355.

Sincerely,

Glenn A. Miller
Assistant Secretary

GAM:ORL:eml

Attachments

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

OFFICE OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE DIVISION

IN THE MATTER OF:	*	
	*	
	*	
INTERNATIONAL PIPING SYSTEMS LTD	*	
(LAD 065 066 300)	*	
1700 WESTPORT DRIVE	*	
WEST BATON ROUGE PARISH	*	
PORT ALLEN, LOUISIANA 70767	*	
	*	
	*	**ENFORCEMENT TRACKING NO.**
	*	**HE-C-94-0091**
	*	
PROCEEDINGS UNDER THE LOUISIANA	*	
ENVIRONMENTAL QUALITY ACT	*	
LA. R.S. 30:2001 ET SEQ.	*	

COMPLIANCE ORDER

The following **COMPLIANCE ORDER** is issued to **International Piping Systems LTD** (Respondent) by the Louisiana Department of Environmental Quality (the Department), under the authority granted by the Louisiana Environmental Quality Act (the Act), La. R.S. 30:2001 et seq., and particularly by La. R.S. 30:2025 (C).

FINDINGS OF FACT

I.

Respondent operates a customized pipe systems fabrication facility located at 1700 Westport Drive in Port Allen, West Baton Rouge, Louisiana.

II.

On or about March 2, 1994, representatives of the Department performed an inspection of the facility and noted the following:

A. Respondent failed to label or clearly mark

three 55-gallon drums storing F003/F005(D001/D008) hazardous waste with the words "Hazardous Waste" and the date upon which each period of accumulation began, in violation of **LAC 33:V.1109.E.1.d.**

B. Respondent failed to keep two 55-gallon drums storing F003/F005 (D001/D008) hazardous waste closed except when necessary to add or remove waste, in violation of **LAC 33:V.2107.A.**

C. Respondent failed to transfer a drum of F003/F005(D001) hazardous waste that was rusted and had a large dent into a drum in good condition, in violation of **LAC 33:V.2103.**

D. Respondent failed to have a containment system for stored liquid hazardous waste that is designed and operated in accordance with **LAC 33:V.2111.B,** in violation of **LAC 33:V.2111.A.**

E. Respondent failed to notify the Administrative Authority, within seven (7) days, of changes in the information submitted in the application for the identification number (waste codes F005, D039, D008), in violation of **LAC 33:V.1105.B.**

F. Respondent failed to include waste codes D001 and F005 in the Annual Hazardous Waste Report submitted for 1993, in violation of **LAC 33:V.1111.B.1.e.**

G. Respondent failed to institute a personnel training program as specified in **LAC 33:V.1515**, in violation of **LAC 33:V.1119.**

H. Respondent failed to prepare a contingency plan which included the information as specified in **LAC 33:V.1513.A, B, C, D.2, and F**, in violation of **LAC 33:V.1117.**

I. Respondent failed to maintain records of weekly inspections of hazardous waste storage areas according to the recordkeeping requirements of **LAC 33:V.1529**, in violation of **LAC 33:V.2109.C.**

COMPLIANCE ORDER

Based on the foregoing, Respondent **is hereby ordered:**

I.

To immediately institute procedures which ensure that containers storing hazardous waste are labeled or marked with the words "Hazardous Waste" and the date upon which accumulation began.

II.

To immediately institute procedures which ensure that containers holding hazardous waste are closed during storage except when necessary to add or remove waste.

III.

To immediately institute procedures which ensure that hazardous waste in a leaking or deteriorated container (e.g. severe rusting, apparent structural defects) is transferred to a container in good condition.

IV.

To operate, within forty-five (45) days after receipt of this **Compliance Order,** a containment system for the container storage area in accordance with **LAC 33:V.2111.B** and to institute procedures to ensure that it is continuously operated in that manner.

V.

To immediately institute procedures which ensure that the Administrative Authority is notified of changes in the information submitted in the application for identification number (HW-1 Form) as specified in **LAC 33:V.1105.B.**

VI.

To submit to the Department, within thirty (30) days after receipt of this **Compliance Order,** a correction of the inaccurate information included in the 1993 Annual Hazardous Waste Report.

VII.

To institute, within forty-five days after receipt of this **Compliance Order,** a personnel training program as specified in **LAC 33:V.1515.**

VIII.

To prepare and submit to the Department, within forty-five days after receipt of this **Compliance Order,** a contingency plan in compliance with **LAC 33:V.1513.A, B, C, D.2, and F,** and to institute procedures to ensure that the plan is updated with the Department as required.

IX.

To immediately institute procedures to ensure the maintenance of inspection records in accordance with the recordkeeping

requirements of **LAC 33:V.1529.**

X.

To prepare and submit to the Department, within sixty (60) days after receipt of this **Compliance Order,** a detailed report describing actions taken and to be taken to correct and prevent future occurrence of those violations described in paragraph II of the **Findings of Fact** of this **Compliance Order.**

Respondent shall further be on notice that:

XI.

This **COMPLIANCE ORDER** shall become final and not subject to further administrative review unless, no later than thirty (30) days after receipt of this document, Respondent files a written request for a hearing. This request should reference the number which is located in the upper right hand corner of the first page of this document and should be directed to the following:

Administrative Hearing Clerk
Administrative Hearings Division
Office of the Secretary
Louisiana Department of Environmental Quality
Post Office Box 82263
Baton Rouge, Louisiana 70884-2263

XII.

Upon Respondent's timely filing a request for a hearing, a hearing on this **COMPLIANCE ORDER** may be scheduled by the Secretary of the Department. The hearing shall be governed by the Act, the Administrative Procedure Act (La. R.S. 49:950, et seq.), and the Department's Rules of Procedure. The Department may amend or supplement this **COMPLIANCE ORDER** prior to the hearing, after providing sufficient notice and an opportunity for the preparation of a defense for the hearing.

XIII.

The failure to timely request a hearing constitutes a waiver of Respondent's opportunity for a hearing under Section 2024 (A) of the Act for the violations described herein and for the provisions of this **COMPLIANCE ORDER.**

XIV.

Respondent's failure to request a hearing or to file an appeal or Respondent's withdrawal of a request for hearing on this **COMPLIANCE ORDER** shall not preclude Respondent from contesting the findings of fact in any subsequent penalty action addressing the same violations, although Respondent is estopped from objecting to this **COMPLIANCE ORDER** becoming a permanent part of its compliance history.

XV.

Respondent's failure or refusal to comply with this **COMPLIANCE ORDER** and the provisions herein will subject Respondent to possible enforcement procedures under La. R.S. 30:2025, which could result in the assessment of a civil penalty in an amount not to exceed fifty thousand dollars ($50,000) for each day of continued noncompliance.

XVI.

For each violation described herein, the Department reserves the right to seek civil penalties in any manner allowed by law, and nothing herein shall be construed to preclude the right to seek such penalties.

XVII.

This **COMPLIANCE ORDER** is effective upon receipt.

Baton Rouge, Louisiana, this 24th day of May, 1994.

Glenn A. Miller
Assistant Secretary
Hazardous Waste Division

Please serve Respondent through its agent for service of process:

B.S. Turner
8687 United Plaza Blvd.
Suite 500
Baton Rouge, Louisiana 70809

Copies of a request for hearing and/or related correspondence should be sent to:

Mr. Monroe Penrod, Program Manager
Department of Environmental Quality
Hazardous Waste Division/Enforcement Section
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

and

Randy Lionberger, Capitol Regional Office
11720 Airline Highway
Baton Rouge, Louisiana 70809

P 138 788 429

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

International Piping System LTD.

Sent to	B.S. Turner
Street and No.	8687 United Plaza Blvd.
P.O., State and ZIP Code	Baton Rouge La. 70809
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, June 1991 CO 94-0091

Is your RETURN ADDRESS completed on the reverse side?

SENDER: HW-ENF Section - 5th Floor

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
International Piping System LTD
LAD 065 066 300
1700 Westport Drive
Port Allen, La. 70767

4a. Article Number
P 138 788 428

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
6/2/94

5. Signature (Addressee)

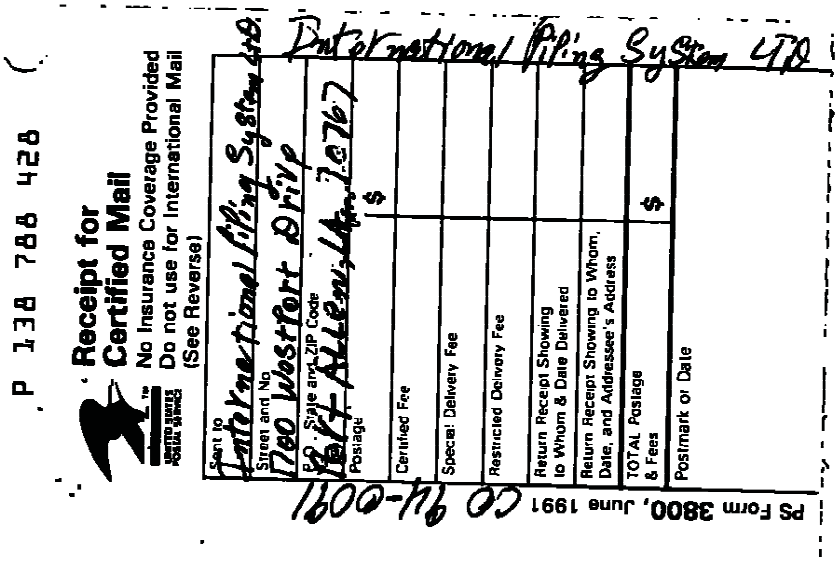
8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)
David L. Chapman

PS Form 3811, December 1991 ★U.S. GPO: 1993—352-714 **DOMESTIC RETURN RECEIPT**

CO-94-0091 International Piping System LTD

Thank you for using Return Receipt Service.



CO 94-0091 International Piping Systems LTD

SENDER: HW-ENF Section - 5th Floor

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

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1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

B.S. Turner
8687 United Plaza Blvd
Baton Rouge, La. 70809

4a. Article Number
P 138 788 429

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
6-3-94

5. Signature (Addressee)
Ashley Galloway

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 *U.S. GPO: 1993—352-714 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

LOUISIANA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178 BATON ROUGE, LA 70884-2178

RECEIVED
MAY 2 1994
Dept. of Environmental Quality
Hazardous Waste Division

INSTALLATION'S EPA ID NUMBER
LAD016501616310

NOTIFICATION: FIRST ○ SUBSEQUENT ☒

NAME OF INSTALLATION (Include company and specific site name)
International Piping System LTD

INSTALLATION LOCATION ADDRESS (physical address, not p.o. box, route number, or hwy number)
STREET: 17001 South Westport
CITY OR TOWN: Port Allen STATE: La. ZIP CODE: 70767
LATITUDE: LONGITUDE: PARISH NAME: West B.R.
SIC CODE: 3494 (see instructions) PARISH CODE: 123

INSTALLATION CONTACT (person to be contacted regarding waste activities at site)
LAST NAME: Bianchi FIRST NAME: George JOB TITLE: Safety Manager PHONE NUMBER: 504 381-9422

INSTALLATION MAILING ADDRESS
STREET, P.O. BOX OR ROUTE NUMBER: SAME
CITY OR TOWN: STATE: ZIP CODE:

TYPE OF HAZARDOUS WASTE ACTIVITY (SEE INSTURCTIONS)

GENERATOR:
- ○ greater than 1000 kg/mo (2,200 lbs)
- ○ 100 to 1000 kg/mo (220 - 2,200 lbs)
- ☒ less than 100 kg/mo (220 lbs)
- ○ LABORATORY OR TESTING FACILITY FOR TREATABILITY STUDIES
- ○ on-site reuse/recycle operation for own waste only
- ○ on-site reuse/recycle operation for commercial purposes
- ○ less than 90 day storage in tanks

TRANSPORTER: (Indicate Mode below)
- ○ for own waste only
- ○ for commercial purposes

MODE OF TRANSPORTATION (transporters only)
- ○ highway ○ rail ○ air ○ water

TRANSFER FACILITY STATUS: (MONTH, DAY, YEAR) (Transporter status must be indicated above)
requested _____
recieved _____

- ○ TREATER, STORER, DISPOSER (at installation) *NOTE: A permit is required for this activity SEE INSTRUCTIONS
- ○ UNDERGROUND INJECTION CONTROL

RCRIS

AUG 18 1994

CT

For Official Use Only
CHECK NUMBER: 4964944798

HAZARDOUS WASTE FUEL ACTIVITY

- ○ Generator Marketing to Burner
- ○ Other Marketer
- ○ Boiler and/or Industrial Furnace
  - Indicate Type of Combustion Device(s)
    - ○ Utility boiler
    - ○ Industrial Boiler
    - ○ Industrial Furnace
- ○ Smelter Deferral
- ○ Small Quantity Exemption

USED OIL FUEL ACTIVITY

- ○ Off-Specification Used Oil Fuel
  - ○ Generator Marketing to Burner
  - ○ Other Marketer
  - ○ Burner
    - Indicate Type of Combustion Device(s)
      - ○ Utility boiler
      - ○ Industrial Boiler
      - ○ Industrial Furnace
- ○ Used Oil Collector/Transporter
- ○ Used Oil Broker (but not marketer)
- ○ Specification Used Oil Fuel Marketer (or on-site Burner) Who First Claims the Oil Meets the Specification

OWNER (legal owner of installation; include property owner at bottom *, if different)

NAME	PHONE
Turner Industries	504 922-5050

STREET: 8687 United Plaza Boulevard

CITY OR TOWN: Baton Rouge | STATE: La. | ZIP CODE: LA 70809

CHANGE OF OWNER INDICATOR: Yes ○ No ☒ Date Changed (Month, Day, Year): ____

INSTALLATION CLASSIFICATION (All three categories must be completed - SEE INSTRUCTIONS)

P Owner type | P Operator type | P Property type

DESCRIPTION OF REGULATED WASTES

A. Characteristic Hazardous Wastes (see 40 CFR 261.20–24 and LAC 33:V.4903 B,C,D,E)

☒ Ignitable (D001) ○ corrosive (D002) ○ reactive (D003)

☒ TC toxic (D004-D043) D039 D018

B. Listed Hazardous Wastes (see 40 CFR 261.31–33 and LAC 33:V.4901 B,C,E,F)

F005

CERTIFICATION

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE	NAME AND TITLE (PRINT OR TYPE)	DATE SIGNED
X George A. Banta Jr.	Safety Coordinator	3-23-94
* George A. Banta Jr.		

HW-1 ; 8700-12 (R 7/92)

* Must have original signature

AI 20321

MAIL COMPLETED FORM TO: LDEQ/OES/ Environmental Assistance Division/CAS PO Box 4313 Baton Rouge, LA 70821-4313	United States Environmental Protection Agency and **STATE OF LOUISIANA** **DEPARTMENT OF ENVIRONMENTAL QUALITY** **NOTIFICATION OF HAZARDOUS WASTE ACTIVITY** **RCRA SUBTITLE C SITE IDENTIFICATION FORM**	DEQ LOUISIANA

1. Reason for Submittal CHOOSE ONLY ONE REASON PER SUBMITTAL	**A. Reason for Submittal:** ❑ To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities). Lm X To provide subsequent notification (to update site identification information). **or** ❑ As a component of a First RCRA Hazardous Waste Part A Permit Application. ❑ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____). **or** // As a component of the Hazardous Waste Report.	
	B. Number of Employees:1175	
2. Site EPA ID Number	**EPA ID Number: LAD 985198308**	
3. Site Name	**Legal Name:** Jacobs	
4. Site Location (Physical address, NOT PO Box or Route)	**Street Address: 4949 Essen Lane**	
	City, Town, or Village: Baton Rouge	**State: LA**
	County/Parish Name: East Baton Rouge	**Zip Code: 70739**
5. Site Land Type	**Site Land Type:** * Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other	
6. North American Industry Classification System (NAICS) Code(s)	**A.** ~~8711~~ 54133	**B.**
	C.	**D.**
7. Site Mailing Address	**Street or P. O. Box: P.O Box 98033**	
	City, Town, or Village: Baton Rouge	
	State: Louisiana	
	County/Parish Name: East Baton Rouge Parish	**Zip Code: 70898**
8. Site Contact Person	**First Name: Phil** **MI:**	**Last Name: Dunlap**
	Phone Number: (225) 768-5204	**Phone Number Extension: NA**
9. Legal Owner and Operator of the Site (see instructions)	**A. Name of Site's Legal Owner: Jacobs**	**Date Became Owner (mm/dd/yyyy): 01/01/1989**
	Owner Type: * Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other	
	B. Name of Site's Operator: Jacobs	**Date Became Operator (mm/dd/yyyy): 01/01/1993**
	Operator Type: * Private ❑ County/Parish ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other	

Regs & Certs

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LDEQ OES/PSSD

Lm RCRA Info 6/19/9

Lm TEMPO 6/19/9

EPA ID No.	L	A	D	9	8	5	1	9	8	3	0	8

10. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes)

A. Hazardous Waste Activities

1. Generator of Hazardous Waste

(Select one of the following categories)

- ☐ a. LQG: Greater than 1,000 kg/mo (2,200 lbs.) Non-acute hazardous waste; or
- ☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) Non-acute hazardous waste; or
- ✻ c. CESQG: Less than 100 kg/mo Non-acute hazardous waste
- ☐ d. NON-GENERATOR

In addition, indicate other generator activities (check all that apply)

- ☐ e. United States Importer of Hazardous Waste
- ☐ f. Mixed Waste (hazardous and radioactive) Generator

For items 2 through 6, check all that apply:

☐ **2. Transporter of Hazardous Waste**

- ☐ Transfer Facility Status (Transporter status must be indicated above)

☐ **3. Treater, Storer, or Disposer of HW (at your site)**
Note: A hazardous waste permit is required for this activity.

- ☐ Permitted ☐ Interim Status ☐ Proposed

☐ **4. Recycler of Hazardous Waste (at your site)**
Note: A hazardous waste permit may be required for this activity.

5. Exempt Boiler and/or Industrial Furnace

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, Refining Furnace Exemption

☐ **6. Underground Injection Control**

B. Universal Waste Activities (Indicate Activity Type)

☐ **1. Large Quantity Handler of Universal Waste [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. (check all boxes that apply):**

	Generated	Accumulated
a. Batteries	☐	☐
b. Pesticides	☐	☐
c. Lamps	☐	☐
d. Antifreeze	☐	☐
e. Mercury-containing equipment	☐	☐
f. Electronics	☐	☐

☐ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities (Indicate Activity Type)

☐ **1. Used Oil Transporter**

- ☐ a. Transporter
- ☐ b. Transfer Facility

☐ **2. Used Oil Processor and/or Re-refiner**

- ☐ a. Processor
- ☐ b. Re-refiner

☐ **3. Off-Specification Used Oil Burner**

☐ **4. Used Oil Fuel Marketer**

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

☐ **5. Used Oil Fuel Burner (Indicate Combustion Device(s)**

☐Utility Boiler ☐Industrial Boiler ☐Industrial Furnace

11. Description of Hazardous Wastes

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001						

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EPA ID No.	L	A	D	9	8	5	1	9	8	3	0	8

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Comments

On February 13, 2001 DEQ was notified by Jacobs there is no foreseeable potential for generating any Hazardous Waste at this facility in the near future.

This application is being submitted to re-activate the Jacobs old EPA Id Number.

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm-dd-yyyy)
Phil Dunlap	Asset Manager	06-18-2009

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JUN 18 2009

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