APPENDIX D

EDMS FILES
(ELECTRONIC COPY)

OFFICE OF ENVIRONMENTAL COMPLIANCE
UNDERGROUND STORAGE TANK AND REMEDIATION DIVISION
Routing/Approval Slip

AI No.	6290	**Facility:**	Entergy Corp	**Date Routed:**	
Other ID No.		**Location:**	Government Street B.R.		
Activity No.		**Originator:**	Todd Thibodeaux		
Section/Group:	Rem 1	**Attachments:**	Yes		
Description/Type of Document(s):					

Closure ☐ **Comfort Letter** ☐ **Correspondence** ☐ **Corrective Action** ☐ **Conveyance Notice** ☐

NFA ☒ **NOD** ☐ **Personnel** ☐ **Other** ☐

Technical Review	Req'd.	Initials	Date	Return to Originator?	Comments
Environmental Scientist	☐			☐ Y ☐ N	
Geology	☐			☐ Y ☐ N	
Legal	☐			☐ Y ☐ N	
Technical Advisor	☐			☐ Y ☐ N	
Other (_____)	☐			☐ Y ☐ N	
Additional Comments					

Management Review	Req'd.	Initials	Date	Return to Originator?	Comments
Supervisor	☒	ECA	11/15/13	☐ Y ☐ N	
Manager	☒	ECA for Clinton	11/15/13	☐ Y ☐ N	
Administrator	☒	[illegible]	11/15/13	☐ Y ☐ N	copy for Vivian
Assistant Secretary	☐			☐ Y ☐ N	
Deputy Secretary	☐			☐ Y ☐ N	
Secretary	☐			☐ Y ☐ N	
Other (_____)	☐			☐ Y ☐ N	
Additional Comments					

☐ **TEMPO Data Entry Completed (Date Document Completed):** _____

RPform_5225_r04
01/10/2011

Office of Environmental Compliance
Underground Storage Tank and Remediation Division
NFA, COC, or NFI Letters ONLY
(Use this form as an attachment to the OEC Route Slip for NFA, COC, or NFI Letters)

Originator:	Todd Thibodeaux	**Check One or Both as Applicable:**	☒ **NFA Letter** ☐ **COC Letter or** ☐ **No Further Interest Letter**

Required Cost/Fee Info

Final Invoicing Verification Contact	**Fee Payment Verification Contact**
PRP – Bridget Jones	Solid Waste – Vicki Thibodeaux
Environmental Conditions Review – Jennifer Bounds	Environmental Conditions Review – Jennifer Bounds
VRP – Vicki Thibodeaux	GW Fee – Vicki Thibodeaux

Date Fee Paid:		**Fee Type:**	☐ **SW** ($1320) ☐ **ECR** ($1500) ☐ **GW** ($_____)
Date Final Invoice Paid:	VRP cost waiver	**Invoice Type:**	☐ **PRP** ☒ **VRP** ☐ **ECR** (if costs incurred > $1500 fee)

?→

Technical Criteria Checklist for NFA/COC

Document that vertical and lateral extent of impact has been defined to extent required. Check one:	☐ **Industrial/Commercial** ☒ **Non-Industrial (residential)**
Available information documents constituent concentrations in all media are less than or equal to the limiting RS at this time; OR Exceedance is addressed under a VRP Partial Remedial Action by Use Restrictions. ***Verified by Team Leader (TL)***	J.J. **TL initials**
Explain any unusual conditions or allowed exceedance.	

Controls in Place

Are either LaDEQ-approved Controls (Engineering or Institutional) or Use Restrictions (VRP) part of the remedy? If "YES", attach a Clerk of Court Certified Copy , and select which types of control:	☐ **YES** ☒ **NO**

Engineering Controls	**Institutional Controls**	
☐ Access Controls (Fences, etc.)	☐ Access Restrictions	☐ GW Use Restriction
☐ Cap/Surface Soil Barrier Construction/Maintenance	☐ Building/Construction Restrictions	☐ Land Restriction
☐ Impervious Cap	☐ City Ordinance	☐ Mortgage Notice (SW Industrial/Commercial)
☐ Signage	☐ Conveyance Notice (all Industrial/Commercial)	☐ Non-Residential Use Restriction
☐ Subsurface Containment	☐ Excavation Restriction	☐ Servitudes
	☐ Partial Remediation Agreement	☐ Other

Monitoring wells and/or borings were properly plugged and abandoned. ***Verified by Team Leader (TL)***	J.J. **TL initials**
Waste from investigation and/or corrective actions were properly disposed of, and disposal manifests or other documentation has been provided to LDEQ. ***Verified by Team Leader (TL)***	JJ **TL initials**
Final inspection has been performed verifying conditions for NFA/COC.	☒ **YES (Attach copy of FIF)**

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF ENVIRONMENTAL COMPLIANCE

NOV 15 2013

Mr. Fernando J, Calle, REM
5564 Essen Lane
Baton Rouge, Louisiana 70809

RE: No Further Action Notification
Entergy Corp Government Street; **AI Number (6290)**
1509 Government Street
Baton Rouge, East Baton Rouge Parish, LA

Dear Mr.Calle:

The Louisiana Department of Environmental Quality – Underground Storage Tank and Remediation Division (LDEQ-USTRD) has completed its review of your Remedial Investigation Report dated May 2012, Results of Supplemental Investigation dated September 16, 2013 and Report of Site Remediation and Sampling Activities dated September 2013 for the above referenced area of investigation located at 1509 Government Street, 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 Todd Thibodeaux at (225) 219-3516. Thank you for your cooperation in addressing this area.

Sincerely,

Thomas F. Harris,
Administrator
Underground Storage Tank and Remediation Division

jtt

Attachment *BOD*

c: Imaging Operations – Solid Waste
Terri Gibson
Bridget Jones (for sites with RCAT numbers)

BASIS OF DECISION FOR NO FURTHER ACTION

Entergy Corp. Government Street
AI# 6290

The Louisiana Department of Environmental Quality – Underground Storage Tank and Remediation Division (LDEQ-USTRD) has determined that Entergy Corp. Government Street requires No Further Action At This Time.

The property is currently unused. The property had a wholesale hay and feed store developed in the northwest corner of the property in 1908 until 1911. A residence was developed along Government Street in 1911. A lumber yard operated on the western portion of the property from 1911 until the 1940s. Baton Rouge Electric Light Plant operated an electrical generation plant from 1916 until the 1940s. During this time there were also two dwellings on the eastern portion of the property. Gulf States Utilities Co. operated an electrical substation at the property from the 1940s until the 1970s. Gulf States Utilities Co. used the property for storage, day to day operations, and business operations from the 1970s until the 1990s. Entergy used the property for financial, business, and paperwork activities, maintenance and repair operations, and storage from the 1990s until 2011. The property has been vacant and unused since the end of 2011. A complete soil and groundwater investigation report with a date of May 2012, a supplemental soil and groundwater investigation report with a date of September 16, 2013 and a site remediation report with a date of September 2013 covered all remedial and investigation activities performed on site.

Remedial standards were developed for this property using LDEQ's RECAP Management Option 1 standards. The standards that were applied to this site are listed in the table that appears at the end of this BOD. The site at present contains 10 buildings, paved areas, storage areas, and a communication tower. The site is considered an industrial use property; however, it is being evaluated under a non-industrial (residential) scenario for unrestricted future use of the property. According to the Louisiana Department of Natural Resources (LDNR) there are 98 registered wells located within a one-mile radius of the site. Of the 98 registered wells, 66 of the wells were registered as plugged and abandoned, abandoned, inactive, or destroyed and 32 are active wells. Of the 32 active wells, 11 are monitor wells, nine are observation wells, five are piezometers, three are heat pumps, two are public supply wells, one is an irrigation well, and one is a cathodic well. Of the registered water wells, one power generation and one public supply well were in close proximity to the subject property. The 1,820-feet bgs power generation well is registered to Gulf States Utilities, and the 2,284-feet bgs public supply well is registered to Baton Rouge WW. Based on depths, the power generation and public supply wells were not hydraulically connected to the upper transmissive zone at the site. Results from a sample analyzed for total dissolved solids (TDS) revealed a TDS concentration of 392 milligrams per liter (mg/l). Slug tests results revealed the well yield in the shallow aquifer is less than one gallon per day (gpd). Based upon a TDS concentration of 392 mg/l and a well yield of <1 gpd, the shallow groundwater at the site is classified as Class 3A. The nearest surface water body is Capitol Lake located approximately 4,000 feet northeast of the site, which is classified as a non-drinking water source. Therefore, the appropriate GW_3 designation is Groundwater Classification 3 Non-Drinking Water (GW_{3NDW}).

Remedial actions taken included the removal and disposal of approximately 29,374 gallons of fluid from two concrete USTs, pressure washing of USTs and filling in USTs with 324 cubic yards of concrete grout mixture. Also, three hydraulic lifts were removed and disposed of along with 26.2 tons of contaminated soil. The lifts were transported to Southern Recycling in Port Allen, La. and the contaminated soil was disposed of at Woodside Landfill in Walker, La. Material manifest sent to LDEQ verified that the contaminated material has been disposed of properly. Confirmatory soil samples confirmed that the source has been mitigated. TPH, RECAP metals, VOCs, and SVOCs samples taken in the tank area were below RECAP non-industrial screening standards. TPH fractions and SVOCs samples taken in the lift areas were below RECAP non-industrial screening standards. No Further Action At This Time is granted when contamination is reduced to the extent necessary to achieve the established standards.

There are no institutional controls on this property, because all remaining COC concentrations were below non-industrial standards

An inspection of the site was performed on November 14, 2013 confirming that no investigation derived waste remains on site.

All investigation wells were plugged and abandoned in accordance with applicable sections of *Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook*, prepared by the LDEQ and the LDOTD, dated December 2000.

The impacted media, constituents of concern, maximum concentration remaining on site and limiting RECAP standards established for this site are listed in the following table:

Medium	Constituent of Concern	Maximum Remaining Concentration (mg/kg)	Limiting RECAP Standard (mg/kg)
Soil	1,2 Dichlorobenzene	.00046	310 MO-1 Soilesni
	1,1 Dichlorethane	.0019	47 MO-1 Soilesni
	1,2 Dichloroethene	.018	3.4 MO-1Soilesni
	1,3 Dichloropropene	.0063	3.1 MO-1Soilni
	Acetone	.34	130 MO-1 Soilesni
	Benzene	.006	1 MO-1Soilesni
	Carbon Disulfide	.0088	.31 MO-1 Soilesni
	Carbon Tetrachloride	.0068	.26 MO-1 Soilesni
	Cis-1,2-Dichloroethene	.018	1.2 MO-1 Soilesni
	Cis-1,3-Dichloropropene	.0063	1.7 MO-1 Soilesni
	Ethylbenzene	.0016	230 MO-1 Soilsat
	M,p-Xylene	.0028	15 MO-1 Soilesni
	Methyl Ethyl Ketone	.040	2000 MO-1 Soilni
	Methylene Chloride	.0015	13 MO-1 Soilesni
	Toluene	.0037	11 MO-1 Soilesni
	Benz(a)anthracene	.051	,62 MO-1 Soilni
	Benzo(a)pyrene	.281*	.33 MO-1 Soilni
	Benzo(b)fluoranthene	.568*	.62 MO-1 Soilni
	Dibenz(a,h)anthracene	.13	.33 MO-1 Soilni
	Indeno(1,2,3-cd)Pyrene	.45	.62 MO-1 Soilni
	Lead	180	400 MO-1 Soilni**

* Calculated 95% UCL
** SPLP Standard of 0.300 mg/L therefore Limiting Standard in Soilni

Medium	Constituent of Concern	Maximum Remaining Concentration	Limiting RECAP Standard
Groundwater	Arsenic	.052	1000 MO-1 GW3NDW
	Lead	.058	8.7 MO-1 GW3NDW
	Vanadium	.027	779 MO-1 GW3NDW

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#: 6290 INSPECTION DATE: 11-14-13 TIME OF ARRIVAL: 1:30 PM

ALTERNATE ID#: _____ (ID Type/Number) DEPARTURE DATE: 11-14-13 TIME OF DEPARTURE: 2:00 PM

FACILITY NAME: Entergy Corp PH #: _____

LOCATION: Ø 1509 Government Street

Baton Rouge 70802 PARISH NAME: E. Baton Rouge

RECEIVING STREAM (BASIN/SUBSEGMENT): _____

MAILING ADDRESS: _____ (Street/P.O. Box) (City) (State) (ZIP)

FACILITY REPRESENTATIVE: Fernando Calle TITLE: _____

FACILITY REPRESENTATIVE PHONE NUMBER: _____

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above): _____

INSPECTION TYPE: Rem PROGRAM INVOLVED: AIR WASTE WATER OTHER IAS

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

I arrived onsite and met with Fernando Calle (Entergy) and Jim ~~Fort~~ Voitier (CB&I). We inspected the lift area. All lift areas were backfilled. All temporary wells have been ~~PA~~ PA'd. The concrete USTs were filled in with concrete. The site is ready for NFA status

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: F. Calle

PRINT NAME: FERNANDO J. CALLE

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): Todd Thibodeaux CROSS REFERENCE: _____

ATTACHMENTS: _____

REVIEWER: _____

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.

East Baton Rouge Redevelopment Authority
801 North Boulevard, Suite 200
Baton Rouge, Louisiana 70802

Remediation Services Division
Manager: Swillen
Date Leader: Shibodeaux
6290
Desk Copy File Room

EAST BATON ROUGE
REDEVELOPMENT
AUTHORITY

September 12, 2013

Mr. Duane Wilson
Louisiana Department of Environmental Quality
Environmental Technology
P.O. Box 4314

RE: 1509 Government Street (A.I. 6290)

Dear Mr. Wilson:

As discussed in our August 22, 2013 meeting, the East Baton Rouge Redevelopment Authority ("Authority") respectfully withdraws from the Voluntary Remediation Program, an application for which we submitted to Mr. Thomas F. Harris on September 4, 2012.

Due to a positive modification by the current owner of the subject property, it's in the best interest of the Authority to withdraw from the VRP program.

Should you have any questions, please call.

Sincerely,

James Andermann
East Baton Rouge Redevelopment Authority
Director of Real Estate

RECEIVED
SEP 16 2013
LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # FY2014-799

phone: 225.387.5606 • fax: 225.387.0780 • www.ebrra.org

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SPLP

May 16, 2006

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MAY 22 2006

FY2006-1651

Remediation Services Division
Manager: Silva
Team Leader: Lorrie P.
AI #: 139300 9911
MFO Task #: 2034420
Desk Copy File Room:

Keith L. Casanova, Administrator
Remediation Services
Post Office Box 4314
Baton Rouge, Louisiana 70821-4314

Attention: Keith Casanova

RE: Submittal for Review of the Phase II Environmental Site Assessment for the O'Brien House Site located at the corner of Laurel and N. 12th Street in Baton Rouge, Louisiana
P&O Project No. 14-754

Dear Mr. Casanova:

On behalf of Domain-Design, Pyburn & Odom, MCA is please to submit this Phase II Environmental Site Assessment for the above referenced Site for your review and feed back.

Please do not hesitate to call with any additional questions or comments you may have.

Sincerely,

PYBURN & ODOM, MCA

Jonathan Vavasseur

Jonathan Vavasseur
Project Environmental Specialist

Enclosures: Phase II ESA Report

8178 G.S.R.I. Avenue • Baton Rouge, Louisiana 70820 • Telephone (225) 766-6330 • Fax (225) 769-7680
www.pyodom.com • e-mail: staff@pyodom.com

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May 16, 2006

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NV. QUALITY
FY2006-4651

Remediation Services Division
Manager: Silva
Team Leader: Laurie P.
AI #: 139360
TEMPO Task #: 2034420
Desk Copy File Room:

Keith L. Casanova, Administrator
Remediation Services
Post Office Box 4314
Baton Rouge, Louisiana 70821-4314

Attention: Keith Casanova

RE: Submittal for Review of the Phase II Environmental Site Assessment for the O'Brien House Site located at the corner of Laurel and N. 12th Street in Baton Rouge, Louisiana
P&O Project No. 14-754

Dear Mr. Casanova:

On behalf of Domain-Design, Pyburn & Odom, MCA is please to submit this Phase II Environmental Site Assessment for the above referenced Site for your review and feed back.

Please do not hesitate to call with any additional questions or comments you may have.

Sincerely,

PYBURN & ODOM, MCA

Jonathan Vavasseur

Jonathan Vavasseur
Project Environmental Specialist

Enclosures: Phase II ESA Report

8178 G.S.R.I. Avenue • Baton Rouge, Louisiana 70820 • Telephone (225) 766-6330 • Fax (225) 769-7680
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LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG #: FY2006-4651

Remediation Services Division
Manager: Silva
Team Leader:
AI #: 13920
TEMPO Task #:
Desk Copy File Room:

PHASE II
ENVIRONMENTAL SITE ASSESSMENT
FOR A PROPERTY
LOCATED AT THE CORNER OF
LAUREL AND NORTH 12TH STREET
EAST BATON ROUGE PARISH, LOUISIANA

PREPARED FOR:

DOMAIN – DESIGN
9131 INTERLINE AVENUE SUITE 4B
BATON ROUGE, LOUISIANA 70809

PREPARED BY:

PYBURN & ODOM MCA
8178 G.S.R.I. AVENUE
BATON ROUGE, LA 70820

P&O PROJECT NO. 14-754

MAY 15, 2006

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1.0 INTRODUCTION

This report summarizes the results of the Phase II Environmental Site Assessment Services performed by Pyburn & Odom MCA, LLC at the location of the circular concrete slab on the O'Brien House Site determined to be the foundation for a gas storage tank for the former Baton Rouge Electric Company Gas Plant. The Site is located at the corner of Laurel and N 12th Street in Baton Rouge, Louisiana. The assessment was performed for Domain-Design Inc. of Baton Rouge, Louisiana.

The recommendation for a Phase II Site Assessment to determine if there is any contamination on the Site, was based on the condition that the circular concrete slab was used as a foundation for a gas storage tank for the former Baton Rouge Electric Company Gas Plant that occupied the Site in the early to mid 1900's. This tank was used for balancing purposes rather than storage of gas. This facility used the coal gassification process to convert coal partially or completely to combustible gases.

The Scope of Work for this project was as follows:

- Visually inspect the Site for any visible evidence of contamination.
- Obtain soil samples at 1-2 foot intervals at a maximum depth of four feet.
- Place soil samples in resealable bags for on-site analysis of the sample headspace with a Photo Ionization Detector (PID).
- Submit the soil samples to a laboratory for analysis of Toxicity Characteristic Leaching Procedure (TCLP) and Semi Volatile Organic Compounds (SVOC's)

Field work for this investigation was completed on April 20, 2006. This report summarizes the results of the sampling and analysis completed during this project. Background information on the property is also included.

2.0 BACKGROUND INFORMATION

2.1 SITE LOCATION AND DECRIPTION

The Site is located at the corner of Laurel and N 12th Street in Baton Rouge, Louisiana. The circular concrete slab is located in the cleared southern portion of the Site and was used in the past by the former Baton Rouge Electric Company Gas Plant as the foundation of a gas storage tank (See Attached Vicinity Map in Appendix A for the Site Location).

The study area is bordered to the north by the Department of Health and Hospitals building, to the east by the O'Brien House, to the west by N. 12th St. and to the south by Laurel St. The study area was part of the Baton Rouge Electric Company Gas Works in the late 19th century and in the early decades of the 20th century. It most recently served as a residential/commercial property and contained a residential building that has recently been demolished and removed. The circular concrete slab was discovered after the Site was cleared.

A letter received from the Department of Culture Recreation and Tourism dated March 17, 2006 stated that the circular concrete slab served as a foundation for a gas storage tank (geometer) associated with the former Baton Rouge Electric Company Gas Plant.

The geometer was used for balancing purposes to insure that the pipes operated within a safe range of pressure. This letter also contained a sanborn map dated 1923 that shows the facility and gasometer located on the Site at the corner of Laurel and N 12th Street (See Department of Culture Recreation and Tourism letter in Appendix G).

3.0 SOIL SAMPLING

Sub-surface sampling activities at this Site were conducted on April 20, 2006. The soil boring activities were conducted utilizing a manual hand auger. This type of field sampling equipment utilizes a five foot steel auger that is manually twisted into the ground to obtain a soil core sample. At the desired sampling depth, a portion of the core sample is extracted to obtain an undisturbed sample for analysis.

Soil boring locations close to and surrounding the circular concrete slab were originally planned such that, they would most likely indicate the presence of contamination from the coal gasification process should it exist. A total of six soil borings were taken, four around the periphery of the concrete slab, one sample to the east against the O'Brien House building, and one sample for quality assurance (See Site Map in Appendix B for Sample locations).

The Scope of Work for these soil borings called for the six borings to be advanced to a maximum depth of four feet. Shallow ground water was encountered in three of the six soil borings. The soil boring depths are as follows: Boring No. 1 to 3.5 ft., Boring No. 2 to 3.0ft., Boring No.3 to 2.5ft., Boring No.4 to 2.5 ft., Boring No. 5 to 3.5 ft., and Boring No. 6 to 2.5 feet.

Soil samples were retrieved at varying depths from each boring and were field-analyzed for physical characteristics including: texture, grain size, color, moisture content, possible staining, and any unusual odors. The shallow soils underlying the study area were found to consist primarily of deposited fill material to depths ranging from 0-2 ft. Boring No. 1 encountered a black fibrous fowl smelling layer at 2.0 ft. that persisted to 3.0 ft. Geological and field observations are included on field boring logs in Appendix E.

In addition each retrieved soil sample was field-screened for the presence of Volatile Organic Compounds (VOC's) using a photo ionization detector (PID). The soil samples were placed in resealable containers as they were collected and allowed to reach ambient temperature. The headspace of each container was then probed with a PID to provide an approximate measure of the concentration of VOC's present in the soil. PID readings were recorded on the boring logs. These PID values ranged from 0.0 parts per million (PPM) in samples taken at variable depths in boring 2-5. The highest PID reading was 38.5 ppm at boring No. 1. The soil samples from each boring were then placed in the provided clean glass sample jar with a resealable screw-on lid, labeled, stored in a cooler and sent to the laboratory.

A bulk sample of a light gray siding material was collected. This material was found on the site in small pieces and is suspect-asbestos-containing material. The material was placed into a labeled bag and was submitted to CA Laboratory under a Chain of Custody for analysis via polarized light microscopy. .

All sampling equipment was decontaminated prior to and between each sampling interval to prevent cross-contamination of soil samples. Decontamination was accomplished by thoroughly washing all equipment with tap water and non-phosphate detergent, then rinsing clean with distilled water. After the samples were taken, the holes were back filled to grade with the remainder of soil excavated from the boring.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 SOILS ANALYSIS

Soil samples from each of the five borings were submitted to a laboratory for analysis of Toxicity Characteristic Leaching Procedure (TCLP) and Semi Volatile Organic Compounds (SVOC's). All TCLP concentrations from SP1-1, SP1-3, SP2-1, SP2-2, SP3-1, SP3-2, SP4-1, and SP5-1 ranged from <0.0020 to <1.0 mg/l. All soil sample TCLP metals results were below the regulatory level set forth by the Environmental Protection Agency (EPA). All soil analysis was by USEPA method 6010B and was performed by EMSL Analytical, of Westmont, NJ. (See Laboratory Results in Appendix F).

Soil sample SP1-2, SP1-4, SP2-2, SP2-2, SP3-1, SP4-2, SP5-2, and SP6-1 were tested for concentrations of Semi Volatile Organic Compounds. All soils analysis were by USEPA method 8270 ABN and were performed by EMSL Analytical, of Westmont, NJ (See Laboratory Results in Appendix F).

The results of the laboratory concentrations were then compared to the Industrial Soils Concentration Limits found in the Louisiana Department of Environmental Quality (LADEQ) RECAP Table Screening Standards for Soil and Ground water. Our comparison showed that soil samples SP1-2, SP1-4, SP2-2, SP3-1, SP4-2, SP2-2, SP3-1, SP4-2, and SP5-2 had concentrations of certain compound above the accepted limits set forth by the LDEQ RECAP Screening Standards (Tables 1-6 show the elevated concentrations of each compound for that particular sample).

The results of the analysis of the light gray material revealed 25% Chrysotile Asbestos. The sample analysis was performed by CA Labs, LLC. of Baton Rouge, Louisiana via polarized light microscopy. CA Labs is a successful participant in the National Institute of Standards and Technology (NIST), National Voluntary Laboratory Accreditation Program (NVLAP) and LEFEQ, LELAP certified.

TABLE 1

Elevated Semi Volatile Organic Compound Concentrations (SVOC's) in Soils for SP-1-2

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
91-20-3	Naphthalene	290	43
206-44-0	fluoran thene	670	220
56-55-3	Benzo (a) anthracene	260	2.9
205-99-2	Benzo (b) fluoran thene	220	2.9
207-08-9	Benzo (k) fluoranthene	93	29
50-32-8	Benzo (a) pyrene	180	0.33
193-39-5	idena (1,2,3-cd) pyrene	130	2.9
53-70-3	Dibenz (a,h) anthracene	37	0.33

TABLE 2

Elevated Semi Volatile Organic Compound (SVOC's) Concentrations in Soils for SP1-2

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
91-20-3	Naphthalene	290	43
56-55-3	Benzo (a) anthracene	260	2.9
218-01-4	Chrysene	530	290
205-99-2	Benzo (b) fluoranthene	500	2.9
207-08-9	Benzo (k) fluoranthene	180	29
50-32-8	Benzo (a) pyrene	410	0.33

193-39-5	idena (1,2,3-cd) pyrene	310	2.9

TABLE 3

Elevated Semi Volatile Organic Compound (SVOC's) Concentrations in Soils for SP2-2

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
50-32-8	Benzo (a) pyrene	410	0.33

TABLE 4

Elevated Semi Volatile Organic Compound (SVOC's) Concentrations in Soils for SP3-1

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
205-99-2	Benzo (b) fluoranthene	92	2.9
207-08-9	Benzo (il) fluoranthene	32	29
50-32-8	Benzo (a) pyrene	84	0.33
193-39-5	idena (1,2,3-cd) pyrene	81	2.9
53-70-3	Dibenz (a,h) anthracene	9	0.33

TABLE 5

Elevated Semi Volatile Organic Compound (SVOC's) Concentrations in Soils for SP4-2

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
50-32-8	Benzo (a) pyrene	0.47	0.33

TABLE 6

Elevated Semi Volatile Organic Compound (SVOC's) Concentrations in Soils for SP5-2

O'Brien House Site, Baton Rouge, Louisiana

Case #	Compound	Lab Concentration Mg/kg	RECAP (Soil I) Table Concentration Mg/kg
205-99-2	Benzo (b) fluoranthene	82	2.9
207-08-9	Benzo (k) fluoran thene	30	29
50-32-8	Benzo (a) pyrene	76	0.33
193-39-5	idena (1,2,3-cd) pyrene	76	2.9
53-70-3	Dibenz (a,h) anthracene	22	0.33

5.0 SUMMARY AND CONCLUSIONS

A Phase II Environmental Site Assessment was performed by Pyburn & Odom in the southern portion of the O'Brien House Site located at the corner of Laurel and N 12th Street in Baton Rouge, Louisiana. The recommendation for a Phase II Environmental Assessment was based on the condition that the Site was formerly occupied by the Baton Rouge Electric Company Gas Plant and the large concrete slab discovered was used as the foundation for a gas storage tank in the coal gasification process for converting coal partially or completely to gas.

Subsurface soil sampling was conducted to determine if any contamination may be present at the subject property. Four soil boring were drilled around the periphery of the circular concrete slab, one boring was done to the east of the slab against the O'Brien House building, and another boring was done off site for quality assurance.

Soil samples were retrieved at varying depths ranging from 1-4 feet and the headspace of each sample was field screened for VOC's utilizing a PID. PID field screening values ranged from 0.0 ppm in the soils retrieved from borings 2-5 to 38.5 ppm in soil boring 1.

Shallow soils at the boring locations chosen for this study up to 2.5 feet consisted of fill material and below consisted of olive gray silty clay. Ground water was observed in soil borings 1,2 and 3 at a depth of 1.5 feet.

Laboratory Analytical results indicate that the concentrations of TCLP metals in the soil samples taken were below the regulatory level set forth by the USEPA.

Laboratory Analysis also indicate that soil samples SP1-2, SP1-4, SP2-2, SP3-1, SP4-2 and SP5-2 contain concentrations of SVOC's above the acceptable limits defined in the LDEQ Screening standards for soil and ground water.

The source of contamination at this Site has not been confirmed. The past use of this Site as the former Baton Rouge Electric Company Gas Plant and the coal gasification process may have caused the SVOC contamination detected in the laboratory analysis.

The results of the analysis of the light gray siding material revealed 25% Chrysotile Asbestos. The material is found on the site mixed with the loose surface soil and stockpiled materials.

6.0 RECOMMENDATIONS

Pyburn & Odom recommends the following action be taken at this Site:

1). Notify the State of Louisiana Department of Environmental Quality (LDEQ) that soil contamination has been detected at the subject site.

2). Following the investigation to define the extent of contamination, evaluate whether corrective action will be required by LDEQ. If LDEQ requires more definition of the contamination we propose to conduct a Phase III Investigation. If so, prepare a corrective action plan to address the contamination problem at the Site.

APPENDIX A
P&O PROJECT TEAM

PYBURN & ODOM, INC.
PHASE I – ENVIRONMENTAL SITE ASSESSMENTS
PROJECT TEAM

Charles A. Steele, P.E.	Senior Environmental Engineer
Harry A. Rayner	Environmental Specialist
Brian Miller	Biologist
Jonathan Vacasseur	Biologist

Mr. Charles A. Steele. Mr. Steele received his degree in Chemical Engineering from the University of Tennessee. Mr. Steele has over 25 years of experience in environmental assessments and corrective action plans. His early employment with the Tennessee Department of Health and Environment as an Environmental Engineer has provided him with the skills and experience necessary to solve environmental problems of all types, including environmental investigations and site remediation. Mr. Steele is a Registered Professional Engineer in the State of Louisiana.

Mr. Harry A. Rayner. Mr. Rayner received his degree in Construction Technology from Louisiana State University. Over the past twenty-five years, Mr. Rayner has served as Project Manager for hundreds of environmental assessments and remediation projects. He has developed and administered projects for industrial and commercial facilities, and for schools and hospitals. Mr. Rayner has directed and conducted hundreds of environmental site assessments including Phase I's, II's and III's. He is a Registered Environmental Assessor in the State of California, and an AHERA Accredited Asbestos Designer, Inspector, Management Planner and Contractor Supervisor, and has performed environmental site inspections throughout the West Coast, Canada and the State of Louisiana. Mr. Rayner is a LADEQ Accredited Asbestos Designer and Inspector.

Mr. Brian K. Miller. Mr. Miller has his B.S. degree in Wildlife and Fisheries Science and his M.S. in Wildlife Ecology and has successfully completed the Wetlands Identification Course. Mr. Miller has conducted numerous Phase I Environmental Site Assessments and Wetland Delineations.

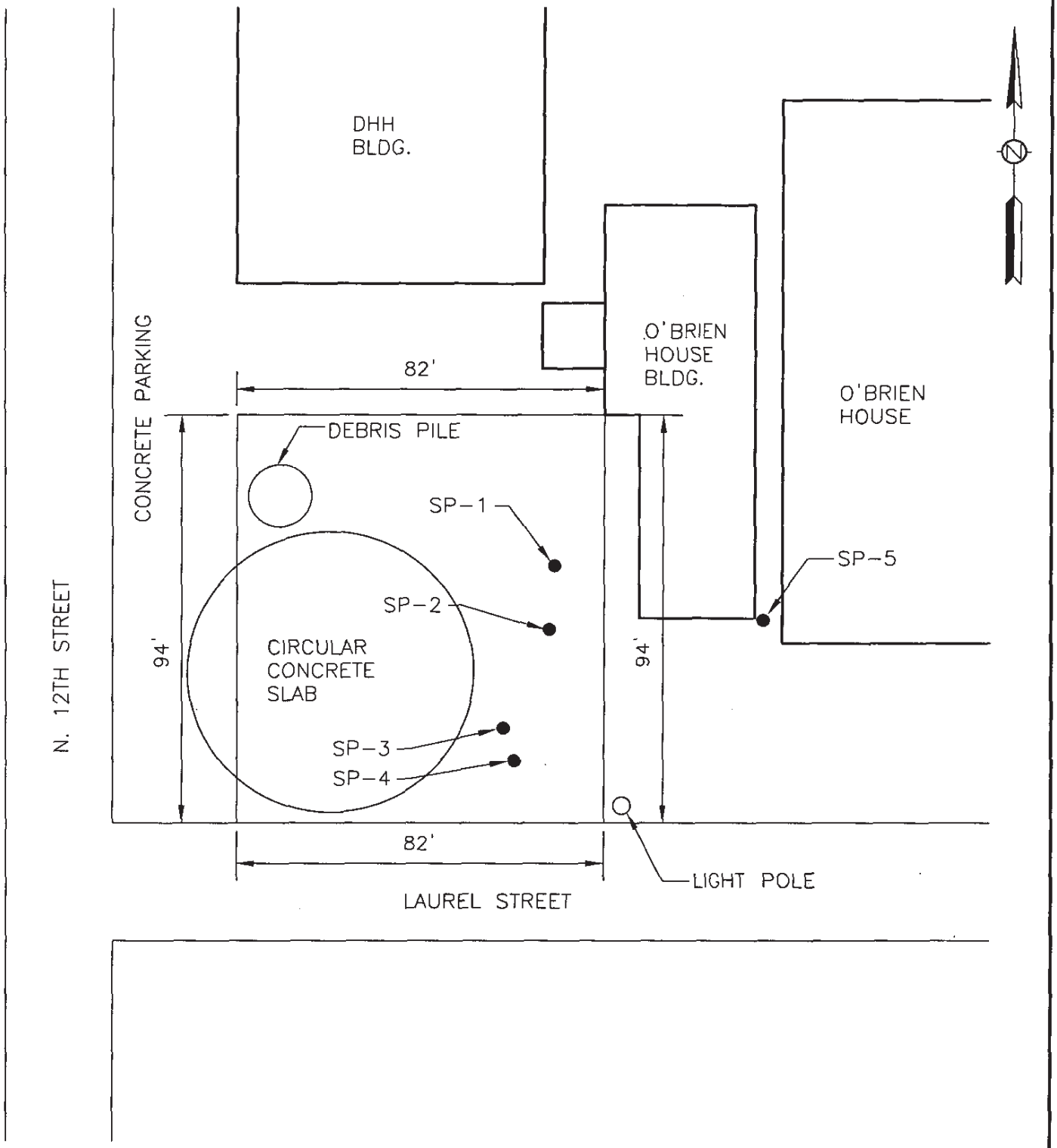
Mr. Jonathan Vavasseur. Mr. Vavasseur has his B.S. degree in Wildlife and Fisheries Science. Mr. Vacasseur has conducted numerous Phase I Environmental Site Assessments and Wetland Delineations.

APPENDIX B
VICINITY MAP

BY	**DOMAIN-DESIGN** BATON ROUGE, LOUISIANA
REVISIONS	PHASE II ENVIRONMENTAL SITE ASSESSMENT **VICINITY MAP** CORNER OF LAUREL ST. AND N. 12th ST. EAST BATON ROUGE PARISH, LOUISIANA
	PYBURN & ODOM, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA
DATE	DRAWN BY: P&O CHECKED BY: HAR APPROVED BY: HAR DATE: MAY, 2006 PROJECT NO. : 14-754

G:\CAD\ACAD\14-754domain2\permits\VICINITY.dwg (Layout1) Plotted on: May 16, 2006 - 10:45am by Susan Brogan

APPENDIX C
SITE MAP



LEGEND:

● SAMPLE POINT

BY	**DOMAIN-DESIGN** BATON ROUGE, LOUISIANA
REVISIONS	PHASE II ENVIRONMENTAL SITE ASSESSMENT **SITE MAP** CORNER OF LAUREL ST. AND N. 12th ST. EAST BATON ROUGE PARISH, LOUISIANA
	PYBURN & ODOM, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA
DATE	DRAWN BY: P&O CHECKED BY: HAR APPROVED BY: HAR DATE: APRIL, 2006 PROJECT NO. : 14-754

G:\CAD\ACAD\14-754domain2\permits\SITE2.dwg (Layout1) Plotted on: May 08, 2006 - 1:43pm by Susan Bragan

APPENDIX D
SITE PHOTOGRAPHS

PHOTO NO. 1

LOOKING NORTH AT THE CLEARED SOUTHEAST PORTION OF THE SITE.

PHOTO NO. 2

LOOKING WEST AT THE CIRCULAR CONCRETE SLAB IN THE SOUTHERN PORTION OF THE SITE.

PHOTO NO. 3

LOOKING EAST AT SP-1.

PHOTO NO. 4

LOOKING EAST AT SP-2.

PHOTO NO. 5

LOOKING SOUTHEAST AT SP-3.

PHOTO NO. 6

LOOKING SOUTH AT SP-4.

PHOTO NO. 7

LOOKING EAST AT SP-5 AGAINST THE OBRIEN HOUSE BUILDING.

PHOTO NO. 8

LOOKING NORTH AT SP-1 - SP-4 AROUND THE PERIPHERY OF THE CIRCULAR CONCRETE SLAB.

APPENDIX E
FIELD BORING LOGS

BORING LOG NO. 1

PROJECT NO. 14-754

LOCATION: SP-1
DATE: 4/24/06
TIME BEGINNING: 10:18
TIME ENDING: 10:55

SURFACE ELEVATION: GROUND
DRY AUGER: ✓
WET ROTARY: N/A
COMPLETION DEPTH: 3.5 FT

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet)	Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
				1				BROWN FILL MATERIAL
TCLP SV	1-1 1-2	GRAB				0ppm		
				2		0ppm		BLACK ODOROUS FIBROUS CLAY MATERIAL WET
TCLP SV	1-3 1-4	GRAB	▽			58ppm		
				3				OLIVE GRAY SILTY CLAY
				4				BOTTOM OF BORING

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After 30 min)

REMARKS

SAMPLE 2'-3' - STRONG ORGANIC CREOSOTE SMELL

WATER ENCOUNTERED AT 2½ FEET

BORING LOG NO. 2

PROJECT NO. 14 - 754

LOCATION: SP-2
DATE: 4/20/06
TIME BEGINNING: 10:15
TIME ENDING: 10:24

SURFACE ELEVATION: Ground
DRY AUGER: ✓
WET ROTARY: N/A
COMPLETION DEPTH: 3.0'

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet)	Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
								Brown Fill material
				1				
TCLP SV	2-1	GRAB				0ppm		
TCLP SV	2-2	GRAB						
				2				
			▽					
								Olive Grey Silty Clay
				3				Bottom Of Boring
				4				

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After ____ Hours)

REMARKS

BORING LOG NO. 3

PROJECT NO. 14-754

LOCATION: SP-3
DATE: 4/20/06
TIME BEGINNING: 10:24
TIME ENDING: 10:37

SURFACE ELEVATION: Ground
DRY AUGER: ✓
WET ROTARY: N/A
COMPLETION DEPTH: 2.5'

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet)	Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
				1				Brown Fill Material
TCLP SV	3-1	GRAB		1.5		0ppm		
TCLP SV	3-2	GRAB		2		0ppm		Olive Grey Silty Clay
			▽	2.5				Bottom of Boring
				3				

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After ____ Hours)

REMARKS

BORING LOG NO. 4

PROJECT NO. 14-754

LOCATION: SD-4
DATE: 4/20/00
TIME BEGINNING: 10:37
TIME ENDING: 10:48

SURFACE ELEVATION: Ground
DRY AUGER: ✓
WET ROTARY: N/A
COMPLETION DEPTH: 2.5'

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet)	Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
				0.5				Brown Fill material
TCLP SV	4-1	GRAB		1		0ppm		Olive Grey Silty Clay
				1.5		0ppm		
TCLP SV	4-2	GRAB		2				
				2.5				Bottom of Boring

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After ____ Hours)

REMARKS

BORING LOG NO. 5

PROJECT NO. 141-754

LOCATION: SP-5
DATE: 4/20/06
TIME BEGINNING: 10:48
TIME ENDING: 10:55

SURFACE ELEVATION: Ground
DRY AUGER: V
WET ROTARY: N/A
COMPLETION DEPTH: 3.5'

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet) / Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
				1			Brown Fill material
					0ppm		Light Grey Silty Clay
TCLP SV	5-1	GRAB		2	0ppm		
TCLP SV	5-2	GRAB		3			
				3.5			Bottom of Boring
				4			

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After ____ Hours)

REMARKS

BORING LOG NO. 6

PROJECT NO. 14-754

LOCATION: SD-6
DATE: 4/20/06
TIME BEGINNING: 3:00
TIME ENDING: 3:15

SURFACE ELEVATION: Ground
DRY AUGER: ✓
WET ROTARY: N/A
COMPLETION DEPTH: 1.5'

Test Assignments	Soil Samples No.	Soil Samples Type	Groundwater Levels	Depth (Feet)	Samples	PHOTO IONIZATION DETECTOR (PPM)	Torvane or Penetrometer Readings (TSF)	GENERAL MATERIAL DESCRIPTION AND STRATIGRAPHY
								Olive Gray Silt Loam
TCLP SV	6-1	GRAB		1				
				1.5				Bottom of Boring

KEY

- THIN-WALLED TUBE
- HAND AUGER
- SPLIT-BARREL SAMPLER
- GROUNDWATER FIRST ENCOUNTERED
- GROUNDWATER LEVEL (After ____ Hours)

REMARKS

APPENDIX F
LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY

EMSL Analytical

http://www.emsl.com

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

4/28/2006

Phone
Fax: (713) 686-3645

The following report covers the analysis performed on samples submitted to EMSL Analytical on 4/21/2006. The results are tabulated on the attached data pages for the following client designated project:

The reference number for these samples is EMSL Order #010602145. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:

Laboratory Director or other
approved signatory
NJ-NELAP Accredited:04653

ACCREDITED IN ACCORDANCE WITH NELAC

test results contained within this report meet the requirements of NELAC
/or the specific certification program that is applicable, unless otherwise noted.

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: sweason@emsl.com

EMSL

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

Fax: (713) 686-3645 Phone:

Customer ID: PYOD50
Customer PO: 14-754
Received: 04/21/06 9:29 AM
EMSL Order: 010602145

EMSL Proj:

Report Date: 4/28/2006

Client Sample Description SP-1-1 *Collected:* 4/20/2006 10:55:00 AM *Lab ID:* 0001

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080 ✓	4/25/2006 12:04 PM	lAcevedo
ICV = 93%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0 ✓	4/25/2006 12:04 PM	lAcevedo
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040 ✓	4/25/2006 12:04 PM	lAcevedo
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10 ✓	4/25/2006 12:04 PM	lAcevedo
RLs = 148% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	0.20	mg/L	0.10 ✓	4/25/2006 12:04 PM	lAcevedo
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20 ✓	4/25/2006 12:04 PM	lAcevedo
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10 ✓	4/25/2006 12:04 PM	lAcevedo
ICV = 106%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002 ✓	4/25/2006 09:12 AM	rferrer

Client Sample Description SP-1-2 *Collected:* 4/20/2006 10:55:00 AM *Lab ID:* 0002

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	71	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/27/2006 12:22 PM	wfink

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: sweason@emsl.com

EMSL

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

Fax: (713) 686-3645 Phone:

Customer ID: PYOD50
Customer PO: 14-754
Received: 04/21/06 9:29 AM
EMSL Order: 010602145

EMSL Proj:

Report Date: 4/28/2006

Client Sample Description SP-1-3 *Collected:* 4/20/2006 10:55:00 AM *Lab ID:* 0003

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided. As ICV = 93%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided.							
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided.							
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided. Cr RLs = 148% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	<0.10	mg/L	0.10	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided.							
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided.							
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	4/25/2006 01:05 PM	lAcevedo
Insufficient sample provided. Ag ICV = 106%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002	4/25/2006 09:12 AM	rferrer
Insufficient sample provided.							

Client Sample Description SP-1-4 *Collected:* 4/20/2006 10:55:00 AM *Lab ID:* 0004

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	79	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/27/2006 12:59 PM	wfink

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4671 Email: swesson@emsl.com

EMSL

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

Fax: (713) 686-3645 Phone:

Customer ID: PYOD50
Customer PO: 14-754
Received: 04/21/06 9:29 AM
EMSL Order: 010602145

EMSL Proj:

Report Date: 4/28/2006

Client Sample Description SP-2-1 *Collected:* 4/20/2006 10:15:00 AM *Lab ID:* 0005

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	4/25/2006 01:12 PM	lAcevedo
ICV = 93%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	4/25/2006 01:12 PM	lAcevedo
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	4/25/2006 01:12 PM	lAcevedo
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	4/25/2006 01:12 PM	lAcevedo
RLs = 146% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	<0.10	mg/L	0.10	4/25/2006 01:12 PM	lAcevedo
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	4/25/2006 01:12 PM	lAcevedo
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	4/25/2006 01:12 PM	lAcevedo
ICV = 106%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002	4/25/2006 09:12 AM	rferrer

Client Sample Description SP-2-2 *Collected:* 4/20/2006 10:15:00 AM *Lab ID:* 0006

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	78	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/25/2006 11:29 AM	wfink

Client Sample Description SP-3-1 *Collected:* 4/20/2006 10:26:00 AM *Lab ID:* 0007

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	66	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/25/2006 12:06 PM	wfink

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: swesson@emsl.com

EMSL

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

Fax: (713) 686-3645 Phone:

Customer ID: PYOD50
Customer PO: 14-754
Received: 04/21/06 9:29 AM
EMSL Order: 010602145
EMSL Proj:
Report Date: 4/28/2006

Client Sample Description SP-3-2 *Collected:* 4/20/2006 10:26:00 AM *Lab ID:* 0008

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	4/25/2006 01:20 PM	lAcevedo
As ICV = 92%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	4/25/2006 01:20 PM	lAcevedo
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	4/25/2006 01:20 PM	lAcevedo
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	4/25/2006 01:20 PM	lAcevedo
Cr RLs = 148% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	<0.10	mg/L	0.10	4/25/2006 01:20 PM	lAcevedo
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	4/25/2006 01:20 PM	lAcevedo
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	4/25/2006 01:20 PM	lAcevedo
Ag ICV = 106%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002	4/25/2006 09:12 AM	rferrer

Client Sample Description SP-4-1 *Collected:* 4/20/2006 10:38:00 AM *Lab ID:* 0009

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	4/25/2006 01:28 PM	lAcevedo
As ICV = 93%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	4/25/2006 01:28 PM	lAcevedo
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	4/25/2006 01:28 PM	lAcevedo
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	4/25/2006 01:28 PM	lAcevedo
Cr RLs = 148% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	<0.10	mg/L	0.10	4/25/2006 01:28 PM	lAcevedo
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	4/25/2006 01:28 PM	lAcevedo
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	4/25/2006 01:28 PM	lAcevedo
Ag ICV = 108%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002	4/25/2006 09:12 AM	rferrer

Client Sample Description SP-4-2 *Collected:* 4/20/2006 10:38:00 AM *Lab ID:* 0010

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	83	%	0.5	4/24/2006 04:45 PM	ssameyam
SVOA	8270C	See Attached			n/a	4/25/2006 10:50 AM	wfink

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: swesson@emsl.com

EMSL

Attn: **Harry Raynor**
Pyburn & Odom, Inc
8178 GSRI Avenue
Baton Rouge, LA 70820

Fax: (713) 686-3645 Phone:

Customer ID: PYOD50
Customer PO: 14-754
Received: 04/21/06 9:29 AM
EMSL Order: 010602145
EMSL Proj:
Report Date: 4/28/2006

Client Sample Description SP-5-1 *Collected:* 4/20/2006 10:44:00 AM *Lab ID:* 0011

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	4/25/2006 01:35 PM	lAcevedo
ICV = 93%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	4/25/2006 01:35 PM	lAcevedo
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	4/25/2006 01:35 PM	lAcevedo
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	4/25/2006 01:35 PM	lAcevedo
RLs = 148% and 158%							
TCLP Metals-Lead, TCLP	6010B	Lead	<0.10	mg/L	0.10	4/25/2006 01:35 PM	lAcevedo
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	4/25/2006 01:35 PM	lAcevedo
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	4/25/2006 01:35 PM	lAcevedo
ICV = 109%							
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.002	4/25/2006 09:12 AM	rferrer

Client Sample Description SP-5-2 *Collected:* 4/20/2006 10:44:00 AM *Lab ID:* 0012

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	79	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/25/2006 12:44 PM	wfink

Client Sample Description SP-6-1 *Collected:* 4/20/2006 10:50:00 AM *Lab ID:* 0013

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
Total Solids	2540B	Total Solids	79	%	0.5	4/24/2006 04:45 PM	ssamayam
SVOA	8270C	See Attached			n/a	4/25/2006 03:02 PM	wfink

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0002	Project:	
Lab File ID:	C10660.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:22:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	29	Dilution Factor:	40
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	9400		UD
108-95-2	Phenol	17000		UD
100-51-6	Benzyl alcohol	19000		UD
111-44-4	bis(2-Chloroethyl)ether	19000		UD
95-57-8	2-Chlorophenol	14000		UD
541-73-1	1,3-Dichlorobenzene	13000		UD
106-46-7	1,4-Dichlorobenzene	15000		UD
95-50-1	1,2-Dichlorobenzene	18000		UD
95-48-7	2-Methylphenol	17000		UD
108-60-1	bis(2-chloroisopropyl)ether	17000		UD
106-44-5	3+4-Methylphenol	23000		UD
621-64-7	N-Nitroso-Di-n-propylamine	21000		UD
67-72-1	Hexachloroethane	7400		UD
98-95-3	Nitrobenzene	18000		UD
78-59-1	Isophorone	18000		UD
88-75-5	2-Nitrophenol	20000		UD
105-67-9	2,4-Dimethylphenol	19000		UD
111-91-1	bis(2-Chloroethoxy)methane	18000		UD
120-83-2	2,4-Dichlorophenol	18000		UD
120-82-1	1,2,4-Trichlorobenzene	18000		UD
91-20-3	Naphthalene	16000	290000	D
106-47-8	4-Chloroaniline	21000		UD
87-68-3	Hexachlorobutadiene	19000		UD
59-50-7	4-Chloro-3-methylphenol	22000		UD
91-58-7	2-Chloronaphthalene	18000		UD
77-47-4	Hexachlorocyclopentadiene	16000		UD
88-06-2	2,4,6-Trichlorophenol	24000		UD
95-95-4	2,4,5-Trichlorophenol	21000		UD
131-11-3	Dimethylphthalate	17000		UD
208-96-8	Acenaphthylene	16000	100000	D
606-20-2	2,6-Dinitrotoluene	18000		UD
83-32-9	Acenaphthene	19000	38000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0002	Project:	
Lab File ID:	C10660.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:22:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	29	Dilution Factor:	40
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	15000		UD
100-02-7	4-Nitrophenol	26000		UD
121-14-2	2,4-Dinitrotoluene	20000		UD
84-66-2	Diethylphthalate	20000		UD
86-73-7	Fluorene	17000	220000	D
7005-72-3	4-Chlorophenyl-phenylether	20000		UD
534-52-1	4,6-Dinitro-2-methylphenol	13000		UD
86-30-6	n-Nitrosodiphenylamine	23000		UD
101-55-3	4-Bromophenyl-phenylether	21000		UD
118-74-1	Hexachlorobenzene	15000		UD
87-86-5	Pentachlorophenol	21000		UD
85-01-08	Phenanthrene	20000	820000	D
120-12-7	Anthracene	19000	290000	D
84-74-2	Di-n-butylphthalate	31000		UD
206-44-0	Fluoranthene	26000	670000	D
92-87-5	Benzidine	100000		UD
129-00-0	Pyrene	20000	450000	D
85-68-7	Butylbenzylphthalate	23000		UD
56-55-3	Benzo[a]anthracene	25000	260000	D
91-94-1	3,3'-Dichlorobenzidine	82000		UD
218-01-9	Chrysene	21000	240000	D
117-81-7	bis(2-Ethylhexyl)phthalate	23000		UD
117-84-0	Di-n-octylphthalate	22000		UD
205-99-2	Benzo[b]fluoranthene	19000	220000	D
207-08-9	Benzo[k]fluoranthene	22000	93000	D
50-32-8	Benzo[a]pyrene	22000	180000	D
193-39-5	Indeno[1,2,3-cd]pyrene	23000	130000	D
53-70-3	Dibenz[a,h]anthracene	25000	37000	D
191-24-2	Benzo[g,h,i]perylene	24000	110000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0002	Project:	
Lab File ID:	C10660.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:22:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	29	Dilution Factor:	40
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-4
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0004	Project:	
Lab File ID:	C10661.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:59:00
Level (low/med):	LOW	Sample wt/vol:	30.02 G
% Moisture:	21	Dilution Factor:	100
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	21000		UD
108-95-2	Phenol	39000		UD
100-51-6	Benzyl alcohol	43000		UD
111-44-4	bis(2-Chloroethyl)ether	42000		UD
95-57-8	2-Chlorophenol	31000		UD
541-73-1	1,3-Dichlorobenzene	30000		UD
106-46-7	1,4-Dichlorobenzene	33000		UD
95-50-1	1,2-Dichlorobenzene	42000		UD
95-48-7	2-Methylphenol	38000		UD
108-60-1	bis(2-chloroisopropyl)ether	39000		UD
106-44-5	3+4-Methylphenol	51000	31000	JD
621-64-7	N-Nitroso-Di-n-propylamine	47000		UD
67-72-1	Hexachloroethane	17000		UD
98-95-3	Nitrobenzene	36000		UD
78-59-1	Isophorone	35000		UD
88-75-5	2-Nitrophenol	44000		UD
105-67-9	2,4-Dimethylphenol	42000	40000	JD
111-91-1	bis(2-Chloroethoxy)methane	40000		UD
120-83-2	2,4-Dichlorophenol	36000		UD
120-82-1	1,2,4-Trichlorobenzene	40000		UD
91-20-3	Naphthalene	37000	1200000	D
106-47-8	4-Chloroaniline	47000		UD
87-68-3	Hexachlorobutadiene	43000		UD
59-50-7	4-Chloro-3-methylphenol	50000		UD
91-58-7	2-Chloronaphthalene	41000		UD
77-47-4	Hexachlorocyclopentadiene	36000		UD
88-06-2	2,4,6-Trichlorophenol	63000		UD
95-95-4	2,4,5-Trichlorophenol	47000		UD
131-11-3	Dimethylphthalate	38000		UD
208-96-8	Acenaphthylene	36000	320000	D
606-20-2	2,6-Dinitrotoluene	40000		UD
83-32-9	Acenaphthene	42000	110000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-4
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0004	Project:	
Lab File ID:	C10661.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:59:00
Level (low/med):	LOW	Sample wt/vol:	30.02 G
% Moisture:	21	Dilution Factor:	100
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	34000		UD
100-02-7	4-Nitrophenol	58000		UD
121-14-2	2,4-Dinitrotoluene	46000		UD
84-66-2	Diethylphthalate	46000		UD
86-73-7	Fluorene	37000	570000	D
7005-72-3	4-Chlorophenyl-phenylether	46000		UD
534-52-1	4,6-Dinitro-2-methylphenol	28000		UD
86-30-6	n-Nitrosodiphenylamine	52000		UD
101-55-3	4-Bromophenyl-phenylether	46000		UD
118-74-1	Hexachlorobenzene	33000		UD
87-86-5	Pentachlorophenol	48000		UD
85-01-08	Phenanthrene	48000	2100000	D
120-12-7	Anthracene	43000	680000	D
84-74-2	Di-n-butylphthalate	71000		UD
206-44-0	Fluoranthene	57000	1500000	D
92-87-5	Benzidine	230000		UD
129-00-0	Pyrene	45000	1100000	D
85-68-7	Butylbenzylphthalate	52000		UD
56-55-3	Benzo[a]anthracene	55000	810000	D
91-94-1	3,3'-Dichlorobenzidine	180000		UD
218-01-9	Chrysene	47000	530000	D
117-81-7	bis(2-Ethylhexyl)phthalate	51000		UD
117-84-0	Di-n-octylphthalate	50000		UD
205-99-2	Benzo[b]fluoranthene	42000	500000	D
207-08-9	Benzo[k]fluoranthene	49000	180000	D
50-32-8	Benzo[a]pyrene	50000	410000	D
193-39-5	Indeno[1,2,3-cd]pyrene	52000	310000	D
53-70-3	Dibenz[a,h]anthracene	56000		UD
191-24-2	Benzo[g,h,i]perylene	55000	270000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-1-4
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0004	Project:	
Lab File ID:	C10661.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/27/2006 12:59:00
Level (low/med):	LOW	Sample wt/vol:	30.02 G
% Moisture:	21	Dilution Factor:	100
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-2-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0006	Project:	
Lab File ID:	C10647.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 11:29:00
Level (low/med):	LOW	Sample wt/vol:	30.03 G
% Moisture:	22	Dilution Factor:	10
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	430		UD
108-95-2	Phenol	790		UD
100-51-6	Benzyl alcohol	860		UD
111-44-4	bis(2-Chloroethyl)ether	850		UD
95-57-8	2-Chlorophenol	640		UD
541-73-1	1,3-Dichlorobenzene	610		UD
106-46-7	1,4-Dichlorobenzene	660		UD
95-50-1	1,2-Dichlorobenzene	840		UD
95-48-7	2-Methylphenol	770		UD
108-60-1	bis(2-chloroisopropyl)ether	780		UD
106-44-5	3+4-Methylphenol	1000		UD
621-64-7	N-Nitroso-Di-n-propylamine	950		UD
67-72-1	Hexachloroethane	340		UD
98-95-3	Nitrobenzene	730		UD
78-59-1	Isophorone	710		UD
88-75-5	2-Nitrophenol	890		UD
105-67-9	2,4-Dimethylphenol	850		UD
111-91-1	bis(2-Chloroethoxy)methane	810		UD
120-83-2	2,4-Dichlorophenol	730		UD
120-82-1	1,2,4-Trichlorobenzene	820		UD
91-20-3	Naphthalene	740		UD
106-47-8	4-Chloroaniline	950		UD
87-68-3	Hexachlorobutadiene	860		UD
59-50-7	4-Chloro-3-methylphenol	1000		UD
91-58-7	2-Chloronaphthalene	830		UD
77-47-4	Hexachlorocyclopentadiene	740		UD
88-06-2	2,4,6-Trichlorophenol	1100		UD
95-95-4	2,4,5-Trichlorophenol	960		UD
131-11-3	Dimethylphthalate	760		UD
208-96-8	Acenaphthylene	730		UD
606-20-2	2,6-Dinitrotoluene	820		UD
83-32-9	Acenaphthene	850		UD

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-2-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0006	Project:	
Lab File ID:	C10647.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 11:29:00
Level (low/med):	LOW	Sample wt/vol:	30.03 G
% Moisture:	22	Dilution Factor:	10
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	680		UD
100-02-7	4-Nitrophenol	1200		UD
121-14-2	2,4-Dinitrotoluene	930		UD
84-66-2	Diethylphthalate	930		UD
86-73-7	Fluorene	760		UD
7005-72-3	4-Chlorophenyl-phenylether	920		UD
534-52-1	4,6-Dinitro-2-methylphenol	570		UD
86-30-6	n-Nitrosodiphenylamine	1000		UD
101-55-3	4-Bromophenyl-phenylether	940		UD
118-74-1	Hexachlorobenzene	670		UD
87-86-5	Pentachlorophenol	980		UD
85-01-08	Phenanthrene	930	760	JD
120-12-7	Anthracene	860		UD
84-74-2	Di-n-butylphthalate	1400		UD
206-44-0	Fluoranthene	1200	2000	D
92-87-5	Benzidine	4600		UD
129-00-0	Pyrene	920	1800	D
85-68-7	Butylbenzylphthalate	1100		UD
56-55-3	Benzo[a]anthracene	1100	2100	D
91-94-1	3,3'-Dichlorobenzidine	3700		UD
218-01-9	Chrysene	940	1900	D
117-81-7	bis(2-Ethylhexyl)phthalate	1000		UD
117-84-0	Di-n-octylphthalate	1000		UD
205-99-2	Benzo[b]fluoranthene	850	2400	D
207-08-9	Benzo[k]fluoranthene	990	880	JD
50-32-8	Benzo[a]pyrene	1000	2100	D
193-39-5	Indeno[1,2,3-cd]pyrene	1100	1300	D
53-70-3	Dibenz[a,h]anthracene	1100		UD
191-24-2	Benzo[g,h,i]perylene	1100	1200	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-2-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0006	Project:	
Lab File ID:	C10647.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 11:29:00
Level (low/med):	LOW	Sample wt/vol:	30.03 G
% Moisture:	22	Dilution Factor:	10
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-3-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0007	Project:	
Lab File ID:	C10648.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:06:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	34	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	2500		UD
108-95-2	Phenol	4600		UD
100-51-6	Benzyl alcohol	5100		UD
111-44-4	bis(2-Chloroethyl)ether	5000		UD
95-57-8	2-Chlorophenol	3800		UD
541-73-1	1,3-Dichlorobenzene	3600		UD
106-46-7	1,4-Dichlorobenzene	3900		UD
95-50-1	1,2-Dichlorobenzene	5000		UD
95-48-7	2-Methylphenol	4500		UD
108-60-1	bis(2-chloroisopropyl)ether	4800		UD
106-44-5	3+4-Methylphenol	6100		UD
621-64-7	N-Nitroso-Di-n-propylamine	5600		UD
67-72-1	Hexachloroethane	2000		UD
98-95-3	Nitrobenzene	4300		UD
78-59-1	Isophorone	4200		UD
88-75-5	2-Nitrophenol	5300		UD
105-67-9	2,4-Dimethylphenol	5000		UD
111-91-1	bis(2-Chloroethoxy)methane	4800		UD
120-83-2	2,4-Dichlorophenol	4300		UD
120-82-1	1,2,4-Trichlorobenzene	4800		UD
91-20-3	Naphthalene	4400	4600	D
106-47-8	4-Chloroaniline	5800		UD
87-68-3	Hexachlorobutadiene	5100		UD
59-50-7	4-Chloro-3-methylphenol	6000		UD
91-58-7	2-Chloronaphthalene	4900		UD
77-47-4	Hexachlorocyclopentadiene	4400		UD
88-06-2	2,4,6-Trichlorophenol	6300		UD
95-95-4	2,4,5-Trichlorophenol	5700		UD
131-11-3	Dimethylphthalate	4500		UD
208-96-8	Acenaphthylene	4300	44000	D
606-20-2	2,6-Dinitrotoluene	4800		UD
83-32-9	Acenaphthene	5000	4800	JD

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-3-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0007	Project:	
Lab File ID:	C10648.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:06:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	34	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	4000		UD
100-02-7	4-Nitrophenol	7000		UD
121-14-2	2,4-Dinitrotoluene	5500		UD
84-66-2	Diethylphthalate	5500		UD
86-73-7	Fluorene	4500	28000	D
7005-72-3	4-Chlorophenyl-phenylether	5500		UD
534-52-1	4,6-Dinitro-2-methylphenol	3400		UD
86-30-6	n-Nitrosodiphenylamine	6200		UD
101-55-3	4-Bromophenyl-phenylether	5600		UD
118-74-1	Hexachlorobenzene	4000		UD
87-86-5	Pentachlorophenol	5800		UD
85-01-08	Phenanthrene	5500	140000	D
120-12-7	Anthracene	5100	73000	D
84-74-2	Di-n-butylphthalate	8500		UD
206-44-0	Fluoranthene	6900	160000	D
92-87-5	Benzidine	27000		UD
129-00-0	Pyrene	5400	120000	D
85-68-7	Butylbenzylphthalate	6300		UD
56-55-3	Benzo[a]anthracene	6600	96000	D
91-94-1	3,3'-Dichlorobenzidine	22000		UD
218-01-9	Chrysene	5600	83000	D
117-81-7	bis(2-Ethylhexyl)phthalate	6100		UD
117-84-0	Di-n-octylphthalate	6000		UD
205-99-2	Benzo[b]fluoranthene	5000	92000	D
207-08-9	Benzo[k]fluoranthene	5800	32000	D
50-32-8	Benzo[a]pyrene	6000	84000	D
193-39-5	Indeno[1,2,3-cd]pyrene	6200	81000	D
53-70-3	Dibenz[a,h]anthracene	6700	9000	D
191-24-2	Benzo[g,h,i]perylene	6600	75000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-3-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0007	Project:	
Lab File ID:	C10648.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:06:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	34	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-4-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0010	Project:	
Lab File ID:	C10646.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 10:50:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	17	Dilution Factor:	3
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	120		UD
108-95-2	Phenol	220		UD
100-51-6	Benzyl alcohol	240		UD
111-44-4	bis(2-Chloroethyl)ether	240		UD
95-57-8	2-Chlorophenol	180		UD
541-73-1	1,3-Dichlorobenzene	170		UD
106-46-7	1,4-Dichlorobenzene	190		UD
95-50-1	1,2-Dichlorobenzene	240		UD
95-48-7	2-Methylphenol	220		UD
108-60-1	bis(2-chloroisopropyl)ether	220		UD
106-44-5	3+4-Methylphenol	290		UD
621-64-7	N-Nitroso-Di-n-propylamine	270		UD
67-72-1	Hexachloroethane	95		UD
98-95-3	Nitrobenzene	210		UD
78-59-1	Isophorone	200		UD
88-75-5	2-Nitrophenol	250		UD
105-67-9	2,4-Dimethylphenol	240		UD
111-91-1	bis(2-Chloroethoxy)methane	230		UD
120-83-2	2,4-Dichlorophenol	200		UD
120-82-1	1,2,4-Trichlorobenzene	230		UD
91-20-3	Naphthalene	210		UD
106-47-8	4-Chloroaniline	270		UD
87-68-3	Hexachlorobutadiene	240		UD
59-50-7	4-Chloro-3-methylphenol	290		UD
91-58-7	2-Chloronaphthalene	230		UD
77-47-4	Hexachlorocyclopentadiene	210		UD
88-06-2	2,4,6-Trichlorophenol	300		UD
95-95-4	2,4,5-Trichlorophenol	270		UD
131-11-3	Dimethylphthalate	220		UD
208-96-8	Acenaphthylene	210		UD
606-20-2	2,6-Dinitrotoluene	230		UD
83-32-9	Acenaphthene	240		UD

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-4-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0010	Project:	
Lab File ID:	C10646.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 10:50:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	17	Dilution Factor:	3
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	190		UD
100-02-7	4-Nitrophenol	330		UD
121-14-2	2,4-Dinitrotoluene	260		UD
84-66-2	Diethylphthalate	260		UD
86-73-7	Fluorene	210		UD
7005-72-3	4-Chlorophenyl-phenylether	260		UD
534-52-1	4,6-Dinitro-2-methylphenol	160		UD
86-30-6	n-Nitrosodiphenylamine	290		UD
101-55-3	4-Bromophenyl-phenylether	260		UD
118-74-1	Hexachlorobenzene	190		UD
87-86-5	Pentachlorophenol	260		UD
85-01-08	Phenanthrene	260	230	JD
120-12-7	Anthracene	240		UD
84-74-2	Di-n-butylphthalate	400	210	JBD
206-44-0	Fluoranthene	330	570	D
92-87-5	Benzidine	1300		UD
129-00-0	Pyrene	260	500	D
85-68-7	Butylbenzylphthalate	300		UD
56-55-3	Benzo[a]anthracene	320	510	D
91-94-1	3,3'-Dichlorobenzidine	1000		UD
218-01-9	Chrysene	270	470	D
117-81-7	bis(2-Ethylhexyl)phthalate	290		UD
117-84-0	Di-n-octylphthalate	290		UD
205-99-2	Benzo[b]fluoranthene	240	570	D
207-08-9	Benzo[k]fluoranthene	280	200	JD
50-32-8	Benzo[a]pyrene	290	470	D
193-39-5	Indeno[1,2,3-cd]pyrene	300	280	JD
53-70-3	Dibenz[a,h]anthracene	320		UD
191-24-2	Benzo[g,h,i]perylene	310	260	JD

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-4-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0010	Project:	
Lab File ID:	C10646.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 10:50:00
Level (low/med):	LOW	Sample wt/vol:	30.04 G
% Moisture:	17	Dilution Factor:	3
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-5-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0012	Project:	
Lab File ID:	C10649.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:44:00
Level (low/med):	LOW	Sample wt/vol:	30 G
% Moisture:	21	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	2100		UD
108-95-2	Phenol	3900		UD
100-51-6	Benzyl alcohol	4300		UD
111-44-4	bis(2-Chloroethyl)ether	4200		UD
95-57-8	2-Chlorophenol	3100		UD
541-73-1	1,3-Dichlorobenzene	3000		UD
106-46-7	1,4-Dichlorobenzene	3300		UD
95-50-1	1,2-Dichlorobenzene	4200		UD
95-48-7	2-Methylphenol	3800		UD
108-60-1	bis(2-chloroisopropyl)ether	3900		UD
106-44-5	3+4-Methylphenol	5100		UD
621-64-7	N-Nitroso-Di-n-propylamine	4700		UD
67-72-1	Hexachloroethane	1700		UD
98-95-3	Nitrobenzene	3600		UD
78-59-1	Isophorone	3500		UD
88-75-5	2-Nitrophenol	4400		UD
105-67-9	2,4-Dimethylphenol	4200		UD
111-91-1	bis(2-Chloroethoxy)methane	4000		UD
120-83-2	2,4-Dichlorophenol	3600		UD
120-82-1	1,2,4-Trichlorobenzene	4100		UD
91-20-3	Naphthalene	3700		UD
106-47-8	4-Chloroaniline	4700		UD
87-68-3	Hexachlorobutadiene	4300		UD
59-50-7	4-Chloro-3-methylphenol	5000		UD
91-58-7	2-Chloronaphthalene	4100		UD
77-47-4	Hexachlorocyclopentadiene	3600		UD
88-06-2	2,4,6-Trichlorophenol	5300		UD
95-95-4	2,4,5-Trichlorophenol	4700		UD
131-11-3	Dimethylphthalate	3800		UD
208-96-8	Acenaphthylene	3600	3200	JD
606-20-2	2,6-Dinitrotoluene	4100		UD
83-32-9	Acenaphthene	4200		UD

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-5-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0012	Project:	
Lab File ID:	C10649.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:44:00
Level (low/med):	LOW	Sample wt/vol:	30 G
% Moisture:	21	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	3400		UD
100-02-7	4-Nitrophenol	5800		UD
121-14-2	2,4-Dinitrotoluene	4600		UD
84-66-2	Diethylphthalate	4600		UD
86-73-7	Fluorene	3700		UD
7005-72-3	4-Chlorophenyl-phenylether	4600		UD
534-52-1	4,6-Dinitro-2-methylphenol	2800		UD
86-30-6	n-Nitrosodiphenylamine	5200		UD
101-55-3	4-Bromophenyl-phenylether	4600		UD
118-74-1	Hexachlorobenzene	3300		UD
87-86-5	Pentachlorophenol	4800		UD
85-01-08	Phenanthrene	4600	27000	D
120-12-7	Anthracene	4300	11000	D
84-74-2	Di-n-butylphthalate	7100		UD
206-44-0	Fluoranthene	5700	64000	D
92-87-5	Benzidine	23000		UD
129-00-0	Pyrene	4500	59000	D
85-68-7	Butylbenzylphthalate	5200		UD
56-55-3	Benzo[a]anthracene	5500	73000	D
91-94-1	3,3'-Dichlorobenzidine	18000		UD
218-01-9	Chrysene	4700	65000	D
117-81-7	bis(2-Ethylhexyl)phthalate	5100		UD
117-84-0	Di-n-octylphthalate	5000		UD
205-99-2	Benzo[b]fluoranthene	4200	82000	D
207-08-9	Benzo[k]fluoranthene	4900	30000	D
50-32-8	Benzo[a]pyrene	5000	76000	D
193-39-5	Indeno[1,2,3-cd]pyrene	5200	76000	D
53-70-3	Dibenz[a,h]anthracene	5600	22000	D
191-24-2	Benzo[g,h,i]perylene	5500	61000	D

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-5-2
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0012	Project:	
Lab File ID:	C10649.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 12:44:00
Level (low/med):	LOW	Sample wt/vol:	30 G
% Moisture:	21	Dilution Factor:	10
PH:		Conc. Extract Volume:	5000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-6-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0013	Project:	
Lab File ID:	C10653.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 15:02:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	21	Dilution Factor:	1
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
62-75-9	N-nitrosodimethylamine	42		U
108-95-2	Phenol	78		U
100-51-6	Benzyl alcohol	85		U
111-44-4	bis(2-Chloroethyl)ether	84		U
95-57-8	2-Chlorophenol	63		U
541-73-1	1,3-Dichlorobenzene	60		U
106-46-7	1,4-Dichlorobenzene	65		U
95-50-1	1,2-Dichlorobenzene	83		U
95-48-7	2-Methylphenol	76		U
108-60-1	bis(2-chloroisopropyl)ether	77		U
106-44-5	3+4-Methylphenol	100		U
621-64-7	N-Nitroso-Di-n-propylamine	94		U
67-72-1	Hexachloroethane	33		U
98-95-3	Nitrobenzene	72		U
78-59-1	Isophorone	70		U
88-75-5	2-Nitrophenol	88		U
105-67-9	2,4-Dimethylphenol	84		U
111-91-1	bis(2-Chloroethoxy)methane	80		U
120-83-2	2,4-Dichlorophenol	72		U
120-82-1	1,2,4-Trichlorobenzene	81		U
91-20-3	Naphthalene	73		U
106-47-8	4-Chloroaniline	94		U
87-68-3	Hexachlorobutadiene	85		U
59-50-7	4-Chloro-3-methylphenol	100		U
91-58-7	2-Chloronaphthalene	82		U
77-47-4	Hexachlorocyclopentadiene	73		U
88-06-2	2,4,6-Trichlorophenol	110		U
95-95-4	2,4,5-Trichlorophenol	94		U
131-11-3	Dimethylphthalate	76		U
208-96-8	Acenaphthylene	72		U
606-20-2	2,6-Dinitrotoluene	81		U
83-32-9	Acenaphthene	84		U

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-6-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0013	Project:	
Lab File ID:	C10653.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 15:02:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	21	Dilution Factor:	1
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
51-28-5	2,4-Dinitrophenol	67		U
100-02-7	4-Nitrophenol	120		U
121-14-2	2,4-Dinitrotoluene	92		U
84-66-2	Diethylphthalate	92		U
86-73-7	Fluorene	75		U
7005-72-3	4-Chlorophenyl-phenylether	91		U
534-52-1	4,6-Dinitro-2-methylphenol	57		U
86-30-6	n-Nitrosodiphenylamine	100		U
101-55-3	4-Bromophenyl-phenylether	93		U
118-74-1	Hexachlorobenzene	67		U
87-86-5	Pentachlorophenol	97		U
85-01-08	Phenanthrene	92		U
120-12-7	Anthracene	85		U
84-74-2	Di-n-butylphthalate	140	59	JB
206-44-0	Fluoranthene	110		U
92-87-5	Benzidine	450		U
129-00-0	Pyrene	91		U
85-68-7	Butylbenzylphthalate	100		U
56-55-3	Benzo[a]anthracene	110		U
91-94-1	3,3'-Dichlorobenzidine	370		U
218-01-9	Chrysene	93		U
117-81-7	bis(2-Ethylhexyl)phthalate	100		U
117-84-0	Di-n-octylphthalate	100		U
205-99-2	Benzo[b]fluoranthene	84		U
207-08-9	Benzo[k]fluoranthene	97		U
50-32-8	Benzo[a]pyrene	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	100		U
53-70-3	Dibenz[a,h]anthracene	110		U
191-24-2	Benzo[g,h,i]perylene	110		U

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SP-6-1
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010602145-0013	Project:	
Lab File ID:	C10653.D	Sample Matrix:	Soils
Instrument ID:	MSD-C	Sampling Date:	4/20/2006
Analyst:	WRF	Date Extracted:	4/24/2006
GC Column:	ZB-5MS (0.25 mm)	Analysis Date	4/25/2006 15:02:00
Level (low/med):	LOW	Sample wt/vol:	30.01 G
% Moisture:	21	Dilution Factor:	1
PH:		Conc. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270ABN		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010602145
Account Rep: 1 of 2
Indicate State where samples collected:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: HARRY RAYNER	Name: PO#: 14-754	Date Results needed by: 4/28/06 Am
Company: PYBURN & ODOM MCA	Company	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address 8178 GSRI AVE	Address SAME	The following turnaround times require lab approval:
City BATON ROUGE	City	☑ 4-5 days or 1week ☐ 72 Hrs ☐ 48 Hrs
State LOUISIANA ZIP 70820	State ZIP	☐ 24 Hrs Approved by
TEL: 225-7666330 FAX: 225-7697680	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature) Harry Rayner	# of Samples in Shipment: 12	Date of Sample Shipment: 4/20/06

Failure to complete shaded areas will hinder processing of samples.

		Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed:	TCLP		SEMI-VOLATILES			
01	1.	SP-1-1	Boring #1	✓			✓									4/20/06	10:55		✓					
02	2.	SP-1-2	Boring #1	✓			✓									4/20	10:55				✓			
03	3.	SP-1-3	Boring #1	✓			✓									4/20	10:55		✓					
04	4.	SP-1-4	Boring #1	✓			✓									4/20	10:55				✓			
05	5.	SP-2-1	Boring #2	✓			✓									4/20	10:15		✓					
06	6.	SP-2-2	Boring #2	✓			✓									4/20	10:15				✓			
07	7.	SP-3-1	Boring #3	✓			✓									4/20	10:26				✓			
08	8.	SP-3-2	Boring #3	✓			✓									4/20	10:26		✓					
9	9.	SP-4-1	Boring #4	✓			✓									4/20	10:38		✓					
10	10.	SP-4-2	Boring #4	✓			✓									4/20	10:38				✓			

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
Harry Rayner	4/20/06 3:00pm	Fed Exp	Rise Cantu	EMSL	4/21/06 0929	6°C = 4 in packs

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

EMSL WESTMONT, N.J.
2006 APR 21 AM 9:29

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010602145
Account Rep: 2 of 2
Indicate State where samples collected:

REPORT RESULTS TO:
Name: HARRY RAYNER
Company: PYBURN & DOOM MCA
Address: 8178 GSRI AVE
City: BATON ROUGE
State: LOUISIANA ZIP: 70820
TEL: 225-766-6820 FAX: 225-769-7680
Sampled by: (Signature) Harry Rayner

SEND INVOICE TO:
Name: PO#: 14-754
Company
Address: SAME
City
State ZIP
TEL: FAX:
# of Samples in Shipment: 12

TURNAROUND TIME
Date Results needed by: 4/28/06 AM
*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐
*16-21 days or 4 weeks ☐
The following turnaround times require lab approval:
☑ *4-5 days or 1week ☐ 72 Hrs ☐ 48 Hrs
☐ 24 Hrs Approved by
*same price and tat for weeks or days
Date of Sample Shipment: 4/20/06

Failure to complete shaded area will hinder processing of samples

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: TCLP		SEMI-VOLATILES			
.11 1.	SP-5-1	Boring #5	✓			✓									4/20	10:49	✓					
.12 2.	SP-5-2	Boring #5	✓			✓									4/20	10:49			✓			
.13 3.	SP-6-1	Boring #6	✓			✓									4/20	10:50			✓			
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
Harry Rayner	4/20/06 3:00 pm	FED EXP	[signature]	EMSL	4/21/06 0929	6°C = 4 ice packs

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

RECEIVED EMSL WESTMONT N.J. 2006 APR 21 AM 9:29

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr., Suite 301
Carrollton, TX 75006
PH: (972) 488-1414
Fax: (972) 488-8006

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
PH: (225) 751-5632
Fax: (225) 751-5634

Crisp Analytical Laboratories of Houston, L.L.C.
5829 West Sam Houston Parkway North, Suite 803
Houston, TX 77041
PH: (713) 983-6336
Fax: (713) 983-6776

Polarized Light Microscopy Report

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / beckle line method.

Client Information:
PyBurn & Odom, Inc.
8178 GSRI Avenue
Baton Rouge, LA 70820
Phone: 225-766-6330
Fax: 225-769-7680

Client Project: 14-754

Turnaround Time: 3 day
Attn: Harry A. Rayner

CA Labs Project #:CBR06041506

Date: 04/27/06

Samples Received: 04/24/06
Purchase Order #:

Sample#	Layer #	Analysis Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected = absent / ash.and visual% – present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
04200601	1	white transite	y	25% Chrysotile		75% other

NVLAP # 200452-0
LDEQ LELAP # 03069
TDH # 30-0256

Approved Signatories:

Terrance LeBlanc
Analyst

Arthur Hernandez
General Manager

Cody Newton
Laboratory Director

Notes:
Some samples (floor tiles, surfacing, etc.) may contain fibers too small too be detectable by PLM. TEM Chatfield analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne fiber analysis (TEM). This test report relates only to the items tested. CA labs participates in the AIHA EMPAT proficiency program. This test reports relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from CA Labs.

These results are submitted pursuant to CA Labs' current terms and condition of sale, *including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for* the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A *stipping and handling fee may be assessed for the return of any samples.*

Analysis performed at C.A. Labs, Inc. 12232 Industriplex, Suite 32, Baton Rouge, LA 70809; phone (225) 751-5632, fax (225)751-5634, mobile (225)806-7051.

CBR0604150G

PYBURN & ODOM, INC.
CONSULTING ENGINEERS

ASBESTOS BULK SAMPLE ANALYSIS RECORD

PAGE 1 OF 1

SAMPLING DATA					LABORATORY DATA		
No.	Sample ID No.	Building & Sampling Location	Sample Type	Material Description	Analytical Method	Asbestos Content %	Asbestos Content Type
1	04200601	O'BRIEN HOUSE	B	GRAY SIDING MATERIAL			
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

SAMPLE CHAIN OF CUSTODY RECORD

Date	Time	Printed Name	Signature	Affiliation/Company	Method of Transfer	Purpose
4/24/06	17:00	Harry Rapper	Harry Rapper	P&O	Hand	Analysis

Batch #: 06B52 Client Name: EA Labs Job No.: 14-754 Sampler: Harry Rapper

Date Collected: 4/20/06 Lab Name: O'BRIEN Method: PLM Signature: Harry Rapper

Comments: 3 DAY TURN AROUND PLEASE

CALABS

Sample Type	Asbestos Type		Method	
A. Microvac	1. Amosite	4. Anthophyllite	1. Polarized Light Microscopy (PLM)	3. X-Ray Diffraction
B. Bulk	2. Chrysotile	5. Tremolite	2. PLM & Dispersion Staining	4. Transmission Electroscope
C. Debris	3. Crocidolite	6. Actinolite		

04-27-2006 12:40 CALABS 2257515634 PAGE:2

APPENDIX G
DEPARTMENT OF RECREATIOM AND TORISM
LETTER

NOTICE

MITCHELL J. LANDRIEU
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT
DIVISION OF ARCHAEOLOGY

ANGÈLE DAVIS
SECRETARY

PAM BREAUX
ASSISTANT SECRETARY

RECEIVED
MAR 20 2006
OFFICE OF
COMMUNITY DEVELOPMENT

March 17, 2006

For: Joey
From Tonya
@
O'Brien House

Mr. Robert McNeese
Urban Development Director
Office of Community Development
East Baton Rouge Parish
P.O. Box 1471
Baton Rouge, LA 70821-1471

Re: Unanticipated Discovery, O'Brien House,
Baton Rouge, East Baton Rouge Parish,
Louisiana

Dear Mr. McNeese:

Thank you for contacting our office about the cultural remains discovered during construction at the O'Brien House.

After personal inspection and a review of historic maps of the area, we have determined that the concrete slab encountered is likely the remaining foundation of a gasometer associated with the Baton Rouge Electric Company Gas Plant. Although the Gas Plant is shown on maps from 1903, the gasometer in question does not appear on maps until 1923. We believe that this gasometer foundation has no significant research potential. Therefore, we agree that the current construction project should proceed. However, because the majority of the historic Electric Company and Gas Plant was located to the east of the current project, any construction in that area may encounter significant cultural remains. We request that you contact our office prior to any construction work in that area.

Copy Scanned

We have included a copy of the 1923 Sanborn map showing the gasometer, as well as a diagram and description of a gasometer, for your information. If you have any additional questions, please contact Cheraki Williams in the Division of Archaeology at (225) 342-8170.

Sincerely,

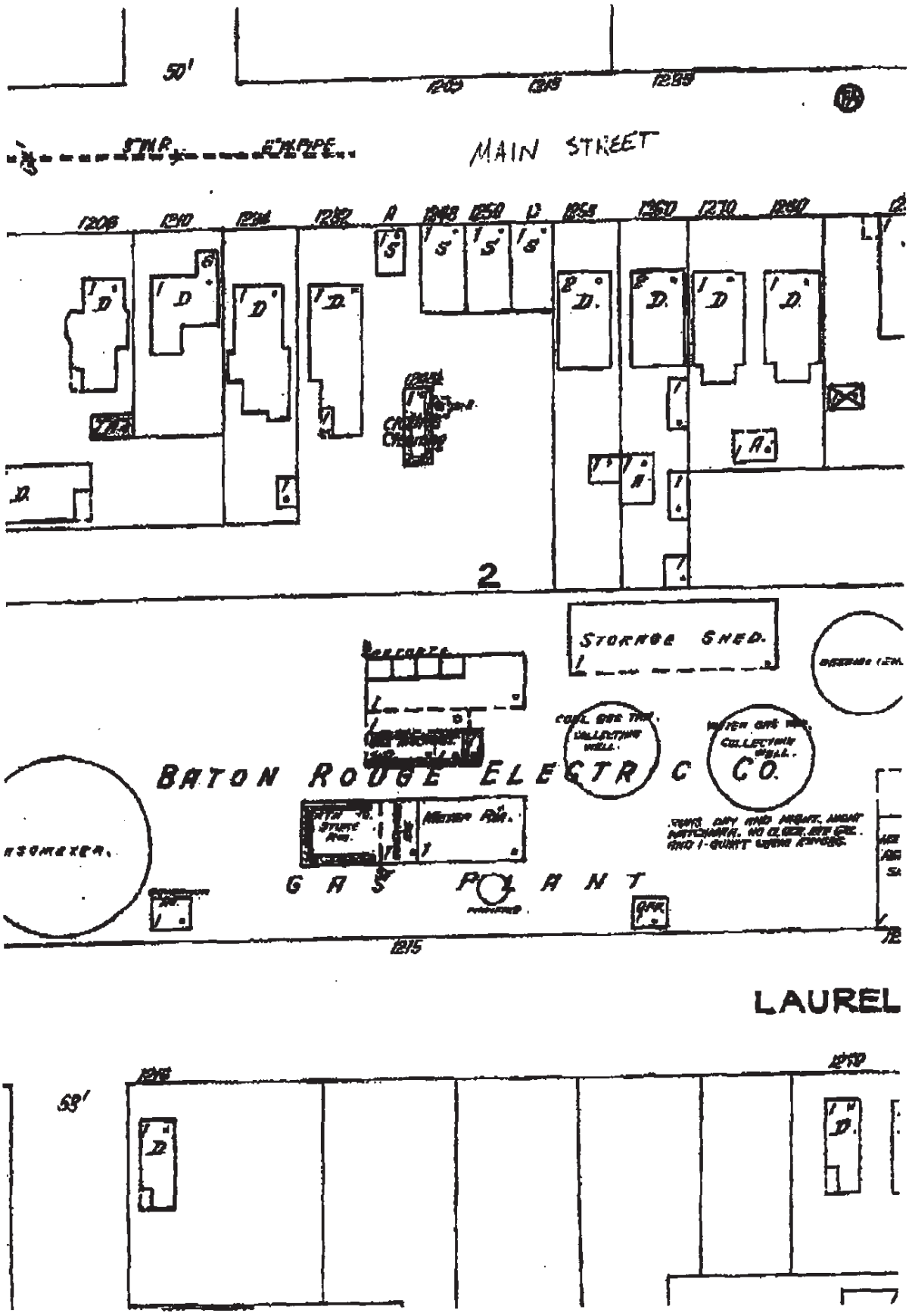
Pam Breaux

Pam Breaux
State Historic Preservation Officer

PB:CW:s

Enclosures: as stated

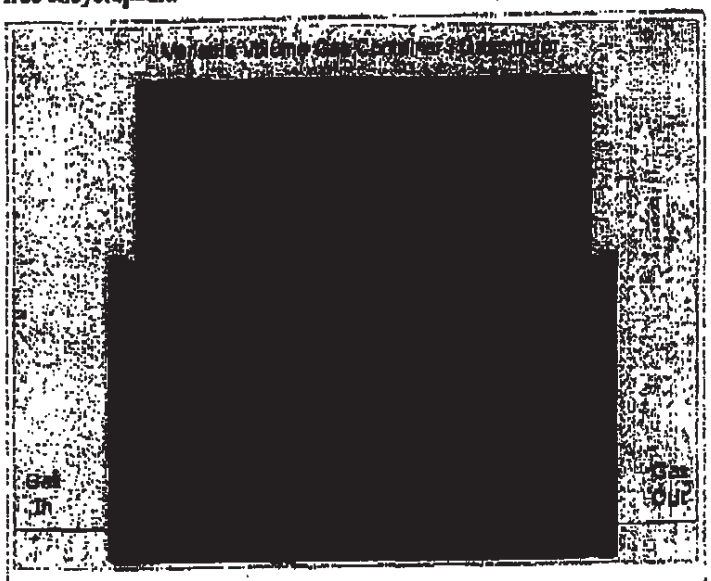
(1723)


50'
MAIN STREET
STORAGE SHED.
BATON ROUGE ELECTRIC CO.
GAS PLANT
LAUREL
58'

Gasometer

om Wikipedia, the free encyclopedia

gasometer
gas-holder
a large
ntainer
ere gas is
red near
rmal
essure and
nperature.
e volume of
container
lows the
antity of
red gas, the
essure comes
m the
ight of the
vable cap.
pical
lumes for large gasometers are about 50000 m³, with 60 m diameter structures.



Gasometer Schematics

Gasometers at The Oval.

isometers tend to be used for balancing purposes (making sure gas pipes operate within a safe range of pressures) rather than for nually storing gas for later use. Gas is nowadays stored in large underground reservoirs such as salt caverns. Often gas is stored in summer when it is cheap and sold in the winter when the price goes up.

isometers are often a major part of the skylines of low-rise British cities, due to their large distinctive shape and central location.

so a gasometer is a meter for measuring the amount of gas flowing through a particular pipe.

e term 'gasometer', was originally coined by William Murdoch, the inventor of gas lighting, in the early 1800s. Despite the jections of his associates that his "gazometer" was not a meter but a container the name was retained and came into general use.

e also

- Gasometer Vienna, Austria

Modern gas containers

xternal links

- Gasometer Oberhausen, Germany (http://www.gasometer.de/)
- Gasometer Vienna, Austria (http://www.gasometer.org/en/)
- Gasometer Schlieren, Switzerland (http://www.gasometer.ch/)

Wikimedia Commons has media related to: *Gasometer*

trieved from "http://en.wikipedia.org/wiki/Gasometer"

tegories: Buildings and structures | Architecture stubs | Industry stubs

APPENDIX H
LIMITATIONS

LIMITATIONS

The findings and recommendations of this report are based upon the scope of work for this project as agreed to by the client. This investigation is limited strictly to identifying the potential presence of the specified contaminants of concern in the chosen locations of the borings, monitoring wells, and other samples. Identifying and quantifying these specified contaminants in the chosen locations is not to be interpreted as a guarantee of the nature and occurrence of these substances or other substances of concern elsewhere on the site.

All conclusions and recommendations regarding the findings of the investigation represent the professional opinions of Pyburn & Odom personnel involved with the project: the results of this report are not to be considered a legal interpretation of existing environmental regulations. Pyburn & Odom assumes no responsibility or liability for errors in data from sources outside of Pyburn & Odom or developments arising from situations outside the scope of this project.

No warranty is expressed or implied with the usage of such data since this information is subject to limitations, availability and accuracy of these records, reports, historical documentation and personal recollection of these persons contacted and interviewed by Pyburn & Odom.

URS

July 27, 2007

LDEQ RECEIPT

2007 JUL 27 PM 2 42

RECEIVED
JUL 27 2007
LA DEPT. OF ENVIRONMENTAL QUALITY
REMEDIATION SERVICES DIVISION

FY2008-434

Remediation Services Division
Manager: Duane
Team Leader: Deacon
AI #: 9911
TEMPO Task #:
Desk Copy File Room: T45

Mr. Duane Wilson
Louisiana Department of Environmental Quality
Remediation Services Division
P.O. Box 4314
Baton Rouge, LA 70821-4314

Re: Final Report: Phase II Environmental Site Assessment
O'Brien House Property
1217 Laurel Street
Baton Rouge, Louisiana
LDEQ Contract No. 614825
Work Order No. 18
URS File No. 19228029.00001

Dear Mr. Wilson:

URS Corporation (URS) is pleased to submit three hard copies and one electronic copy of the final report, Phase II Phase II Environmental Site Assessment of the O'Brien House Property located at 1217 Laurel Street, Baton Rouge, Louisiana.

URS is pleased to be assisting LDEQ on this project. If you have questions or need additional information, please call us at (225) 922-5700.

Very truly yours,
URS Corporation

Charles B. Dartez, CHMM
Vice President

W. John Allen
Senior Scientist

SK:rdm

Enclosure

URS Corporation
7389 Florida Boulevard, Suite 300
Baton Rouge, LA 70806
Tel: 225.922.5700
Fax: 225.922.5701

FINAL REPORT

PHASE II ENVIRONMENTAL SITE ASSESSMENT

O'BRIEN HOUSE PROPERTY
BATON ROUGE, LOUISIANA
AGENCY INTEREST NO.: 9911
LDEQ CONTRACT NO. 614825
WORK ORDER # 18

Prepared for

Louisiana Department of Environmental Quality
Baton Rouge, Louisiana

July 26, 2007

File No. 19228029.00001

URS

URS Corporation
7389 Florida Boulevard
Baton Rouge, Louisiana 70806
225/922-5700

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Table 6	Summary of Analytical Results for VOA and Screening Standards for Groundwater
Table 7	Summary of Analytical Results for SVOA and Screening Standards for Groundwater
Table 8	Summary of Analytical Results for Metals and Screening Standards for Groundwater

FIGURES

Figure 1	Site Location Map
Figure 2	Sampling Location Map
Figure 3	Cross Section Location Map
Figure 3A	Cross Section A-A'
Figure 4	Potentiometric Map
Figure 5	Detections of Constituents in Soils Exceeding Respective Screening Standards

APPENDICES

Appendix A	Boring Logs
Appendix B	Temporary Well Installation Reports
Appendix C	Groundwater Collection Reports
Appendix D	Analytical Data Quality Assurance Review

VOLUME II (TO BE PROVIDED WITH FINAL REPORT)

Appendix E	GCAL Analytical Laboratory Data Reports

URS has completed field sampling for soil and groundwater at the O'Brien House Property (LDEQ Agency Interest No.: 9911). The work was consistent with the Louisiana Department of Environmental Quality's Targeted Brownfields Assessment (LDEQ/TBA) Contract 614825 and Work Order Number 18 dated October 4, 2006 requesting additional assessment activities at the site. The property is located at 1217 Laurel Street, Baton Rouge, Louisiana. The closest major waterway is the Mississippi River approximately 0.8 miles to the west. Figure 1 shows the site location of the property.

According to information provided by the LDEQ, the site was used by the Baton Rouge Gas Works in the late 1800s. The current site use is the O'Brien House. It was established in 1971 to serve adult recovering alcoholics and drug addicts. It is a halfway house that works with alcoholics and educates the public about alcoholism. The O'Brien House provides a comprehensive continuum of care that includes treatment, prevention and community development initiatives.

EPA conducted an investigation of the site in 2002 (report available upon request from the EPA). Phase I and II Environmental Site Assessments (ESA) of the site were conducted during April and May 2006, respectively. Results of sampling and analysis from the Phase II ESA indicated the presence of Semi-Volatile Organic Analytes in concentrations exceeding LDEQ Risk Evaluation Corrective Action (RECAP) Industrial Screening Standards in soil samples collected during this previous ESA. The site owner, O'Brien House, requested further assessment of the property under the LDEQ/TBA Program.

The work plan, dated February 23, 2007, for implementation of this Phase II Site Assessment called for the installation, sampling and plugging and abandonment of six 1-inch PVC monitor wells for soil and groundwater sampling purposes to an approximate depth below ground surface (BGS) of 18 feet. The sample locations, as shown on Figure 2, were determined per discussions with the LDEQ and per results of the previous Phase II ESA.

This report describes the procedures followed for sample collection, handling and documentation of samples; analytical parameters and methods; a description of geologic conditions encountered; and comparison to RECAP Screening Standards. Copies of the soil boring logs, monitor well installation reports and monitor well groundwater collection reports are presented in Appendices A through C respectively. Complete laboratory analytical data reports are available for review in Appendix D. This Site Investigation was completed in accordance with the ASTM E-1903-97 Standard Guide for Phase II Site Investigation. The

field activities at the O'Brien House property began on April 2, 2007 and were completed on April 5, 2007.

2.1 SAMPLE COLLECTION PROCEDURES

Six soil borings were drilled at the O'Brien House property site. All of the soil borings were completed using Geoprobe™ direct-push methods. The Geoprobe™ drill rig was operated by Walker-Hill Environmental Services, Inc. (Walker Hill), a Louisiana Licensed Water Well Contractor as required under Louisiana Revised Statute R.S. 38:3098 through R.S. 38:3098.8, for contractors conducting borings. All sampling equipment was decontaminated prior to use in accordance with the procedures described in URS Sampling and Analysis Plan (dated February, 2007). Walker-Hill containerized all soil cuttings, well development and wash water, and disposable materials on site for proper disposal.

2.1.1 Drilling and Sampling of Soil Borings

Six soil borings were installed as shown on Figure 2. Prior to drilling, each location was probed to identify unmarked utilities or other subsurface obstruction hazards. Each boring was advanced approximately 18 feet below ground surface (bgs) for soil sample collection, until the confining clay unit was encountered. Coordinates for the borings were determined using a hand-held GPS device and are noted on the Boring Logs presented in Appendix A.

Soil samples were collected continuously at 2-foot intervals. All soil samples were placed in jars and screened using an organic vapor meter (OVM) to sample the headspace after it has been allowed to stabilize for a minimum of 15 minutes. Each boring was continuously sampled and visually logged to the bottom of the boring in the field by a URS geologist. The soil boring logs are included in Appendix A.

At each soil boring, three soil samples were collected from the following intervals:

1. The sample from the 0- to 2-foot interval
2. The sample with the highest OVM reading, or if there are not vapors detected or all readings are similar; the sample collected at the soil/groundwater interface
3. The bottom borehole sample from the base of the first permeable zone

From each boring, samples were collected and submitted using Encore® samplers for volatiles analysis; in addition other samples were collected for SVOA and metals in

appropriate containers. The soil samples were placed on ice in a laboratory supplied ice chest to maintain the required temperature of 4 degrees Celsius and shipped to Pace Analytical Laboratory (Pace) in Saint Rose, LA via a Pace courier.

2.1.2 Monitor Well Installation and Sampling

Temporary monitoring wells were installed in each of the borings. The wells were set to screen the interval where groundwater was encountered. Each well was constructed of 1-inch diameter, flush threaded, Schedule 40 PVC well casing and screen. The well screen consisted of 5 feet of 1-inch diameter Schedule 40 PVC pipe with 0.010-inch slots. The blank/riser pipe was a 1 inch Schedule 40 blank PVC pipe.

Upon completion of the installation of the well construction materials into the borehole, a 20/40 sieve-size clean silica filter sand was placed in the annulus between the borehole and the screen to a minimum depth equivalent to 2 feet above the top of the well screen (if feasible). A bentonite pellet seal was then placed above the sand and extended at least 2 feet above the filter pack. The remainder of each borehole was then grouted to ground surface using a Portland cement/sodium bentonite slurry. Monitor well installation reports are included in Appendix B. Each temporary monitor well was developed via surface pumping of the groundwater until indicator parameters stabilize.

Prior to sampling, a water level measurement was made using an electronic indicator with accuracy to ± 0.01 feet. The groundwater sample was collected from each monitoring well after purging at least three well volumes from the well, and after the specific conductivity, temperature and pH measurements of the purged water have stabilized. All sampling activities were recorded on the Groundwater Collection Report forms, presented in Appendix C. All purged water was drummed and stored on site in a limited access area.

A groundwater sample was collected from each well, with the exception of the well set in boring B-5. Temporary well B-5 did not produce sufficient water to collect a sample. Groundwater samples were collected for VOA, SVOA and metals analysis. The metals sample from each well was filtered using a 0.45 micron filter prior to containerization. All samples were shipped to Pace via courier for analysis.

2.1.3 Well Plugging and Abandonment

All six temporary wells installed by URS were plugged and abandoned following implementation of field work and once all required samples had been collected. Wells were plugged and abandoned in accordance with the "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook," Final Version, December 2000, as prepared by the Louisiana Department of Transportation and Development (LDOTD).

2.2 QUALITY ASSURANCE/QUALITY CONTROL

The data collection and Quality Assurance/Quality Control (QA/QC) procedures followed during the Site Investigation were consistent with LDEQ RECAP and the sampling work plan. QA/QC samples were collected to assess the potential for contamination of samples due to field activities and/or handling and transport and were analyzed to evaluate precision and accuracy of the analytical data from the off-site laboratory. QC samples included field duplicate soil and groundwater samples to evaluate sample-to-sample analytical precision, matrix spike (MS), and matrix spike duplicate (MSD) samples of soil and groundwater to evaluate analytical accuracy; rinsate samples to demonstrate the effectiveness of decontamination of sampling equipment; and field blanks and trip blanks to evaluate potential cross contamination of samples.

Laboratory analyses were performed by Pace Analytical Laboratories of Saint Rose, Louisiana. Pace is certified by the LDEQ Environmental Laboratory Accreditation Program (Certificate Number 02006). All samples were analyzed using methods consistent with LDEQ RECAP Appendix B requirements.

Soil and groundwater samples collected from B-1 through B-6 were analyzed for the following "site-specific" parameters as designated in the Sampling and Analysis Work Plan:

- Target Compound List (TCL) Volatile Organic Analytes by Method 8260B/5035.
- TCL Semi-Volatile Organic Analytes (includes Chlorinated Organics) by Method 8270C.
- Target Analyte List (TAL) Metals by Methods 6010C/7000/9012.

2.3 DOCUMENTATION AND RECORDS

A field logbook was kept during field activities by the Field Team on-site. Information recorded in the field notebook includes the following:

- Facility name and location;
- Arrival and departure times;
- Sample personnel;
- Date, time and place of sampling;
- Sample identification numbers;
- Weather conditions; and
- Analyses and required preservation techniques.

All soil and groundwater samples were identified at the time of collection with a sample label affixed to the sample container. The sample labels were written legibly and in indelible ink and included the following:

- The project name and number;
- Sample identification numbers;
- Date, time, and place of collection;
- Identification of preservatives used;
- Analysis requested; and
- Sampler's initials.

Each soil sample was labeled with the boring number and the depth interval that was collected, for example B-1(0-2) was the label used for Boring B-1, depth interval 0 to 2-feet bgs. Groundwater samples were labeled with the boring number and then with a W to identify that it was a water sample. The labeled sample jars were placed in an ice chest with ice to maintain the required 4 degrees Celsius temperature. The sample ice chest was maintained in custody at all times. Chain-of-Custody seals were used to secure sample ice chests for shipment.

After samples were collected, a chain-of-custody form was completed to document sample collection, handling, and transport to the laboratory facilities, and acceptance by authorized laboratory personnel. URS completed a chain-of-custody form for each sample ice chest. Additional documentation maintained during field activities included soil boring logs;

monitor well installation reports, groundwater collection forms, and daily safety meeting report forms.

3.1 SITE GEOLOGY AND HYDROGEOLOGY

Soils encountered in the six Borings B-1 through B-6 advanced at the site consisted of a tan, brown and gray silty clay that had iron staining and was stiff to very stiff. Some black cinder-like material was encountered in the upper soils at boring B-1, B-2, B-3 and B-4. The first permeable zone, a gray to light gray silt was encountered in all borings except B-5. Water was observed at depths ranging from 3 to 18 feet bgs. The bottom confining layer, a stiff, brown and tan clay to silty clay was present at a depth of approximately 18 bgs in all borings. Figure 3 and 3A depict the cross section transect and a typical cross section of subsurface stratigraphy for the site.

The apparent potentiometric surface as measured from the temporary monitor well static water levels is shown in Figure 4. Based on these data, a hydraulic gradient of 0.12 ft/ft is present at the site and groundwater flow is generally to the north. Well development and groundwater sampling data for the sixteen temporary monitoring wells are located in Appendix C.

3.2 EVALUATION AND PRESENTATION OF RESULTS

All soil and water samples were shipped to Pace for analysis. The laboratory reports are included as Appendix E. Analytes detected above Practical Quantitation Limits (PQLs) were compared to their respective RECAP Screening Standards (SS); in this sampling event, the soil screening standards for the constituent concentrations in surface soils (0 feet to 15 feet bgs) that are protective of human health for industrial/commercial land use (Soil_SSi) and the constituent concentrations in soil that are protective of groundwater (Soil_SSGW) were considered for surface soils. The lesser value of the Industrial Soil Screening Standards or Soil Protective of Groundwater Screening Standards (Soil_SSi and Soil_SSGW respectively) for each constituent, listed as the Screening Standards in RECAP Table 1, were selected for comparison to analytical results from soil samples. For groundwater samples, the Groundwater Screening Standards protective of human health (GW_SS) were selected for comparison to analytical results from groundwater samples.

3.3 SOIL ANALYTICAL RESULTS

Soil samples were screened in the field using an OVM. The only screened sample interval having a detectable reading for organic vapor was from Boring B4 in the 2 to 4-foot interval with an OVM reading of 31.3 ppm. All other OVM readings were 0.0 ppm.

Each soil sample was labeled with the boring number and the depth interval that was collected, for example B-1(0-2) was the label used for boring 1, depth interval 0 to 2-feet bgs. As discussed, three soil samples from each boring were collected. VOA readings were detected in 4 of the 18 samples. Xylene was detected in sample B-4(2-4) at a concentration of 66.4 mg/kg, which exceeded the SS of 2.191 mg/kg. No other VOA detections exceeded their respective SS. Acetone was detected at a concentration of 0.0144 mg/kg in the sample from B-1(0-2). In the sample B-3(0-2), acetone was detected at a concentration of 0.0734 mg/kg and methylene chloride was detected at a concentration of 0.00496 mg/kg. Sample B-3(2-4) also had acetone detected at 0.011 mg/kg and methylene chloride at 0.00557mg/kg. Ethylbenzene was detected at a concentration of at 6.38 mg/kg in sample B-4(2-4). Soil analytical results for VOA are presented in Table 3.

SVOA were detected in 7 of the 18 soil samples. Acenaphthlyene was detected in B-1(0-2) at a concentration of 0.473 mg/kg and detected in B-2 (0-2) at a concentration of 0.573 mg/kg. Both of these concentrations are below their respective SS. Anthracene was detected in B-2(0-2) at a concentration of 0.738 mg/kg and detected in B-3(2-4) at a concentration of 0.482 mg/kg. Both of these detections are below the applicable SS. Benzaldehyde was detected at a concentration of 1.3 mg/kg in B-1(16-18). There is no SS listed in RECAP Table 1 for this constituent. Benzo(k)fluoranthane was detected in B-1(0-2) at a concentration of 0.987 mg/kg, in B-2(0-2) at a concentration of 2.36 mg/kg, in B-3 (2-4) at a concentration of 0.575 mg/kg, and in B-4(0-2) at a concentration of 2.16 mg/kg. All of these results are below the applicable SS. Benzo(g,h,i)perylene was detected in B-1(0-2) at a concentration of 0.514 mg/kg, in B-1(16-18) at a concentration of 0.89 mg/kg, and in B-2(0-2) at a concentration of 0.642 mg/kg. No SS is listed in RECAP Table 1 for this constituent. Carbazole was detected in B-3(2-4) at a concentration of 0.421 mg/kg. No SS is listed in RECAP Table 1 for this constituent. Chrysene was detected in six soil samples, all detections were at concentrations below the applicable SS. Chrysene was detected at a concentration of 1.4 mg/kg in B-1(0-2), 1.06 mg/kg in B-1(16-18), 3.96 mg/kg in B-2(0-2), 0.533 mg/kg in B-3(0-2), 1.17 mg/kg in B-3(2-4), and 3.32 mg/kg in B-4(0-2). Fluoranthene was detected in six samples, all detections were at concentrations below the applicable SS. Flouoranthene was detected at a concentration of 2.55 mg/kg in B-1(0-2), 1.61 mg/kg in B-1(16-18), 6.17 mg/kg in B-2(0-2), 1.12 mg/kg in B-3(0-2), 3.01 mg/kg in B-3(2-4), and 4.78 mg/kg in B-4(0-2). Indeno(1,2,3-cd)pyrene was detected in B-1(0-2) at a concentration of 0.479 mg/kg, and B-2(0-2) at a concentration of 0.724 mg/kg; both detections are below the applicable SS. Phenanthrene was detected in five samples, all detections were at concentrations below the applicable SS. Phenanthrene was detected in B-1(0-2) at a concentration of 0.742 mg/kg, in B-2(0-2) at a

concentration of 3.35 mg/kg, in B-3(0-2) at a concentration of 0.778 mg/kg, in B-3(2-4) at a concentration of 2.34 mg/kg, and in B-4(0-2) at a concentration of 1.9 mg/kg. Pyrene was detected in B-1(0-2) at a concentration of 2.33 mg/kg, in B-1(16-18) at a concentration of 1.34 mg/kg, in B-2(0-2) at a concentration of 5.34 mg/kg, in B-3(0-2) at a concentration of 0.948 mg/kg, in B-3(2-4) at a concentration of 2.55 mg/kg, and in B-4(0-2) at a concentration of 5.86 mg/kg. These detections of pyrene were all below the applicable SS. Soil analytical results for SVOA are presented in Table 4. SVOA detected in concentrations that exceeded their respective SS are summarized below:

- Benzo(a)pyrene was detected B-1 (0-2) at a concentration of 1.6 mg/kg, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)anthracene was detected in B-2 (0-2) at a concentration of 4.05 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(b)fluoranthane was detected in B-2 (0-2) at a concentration of 3.91 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(a)pyrene was detected in B-2 (0-2) at a concentration of 3.04 mg/kg, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)pyrene was detected in B-3 (0-2) and (2-4) at a concentrations of 0.444 mg/kg and 1.1 mg/kg respectively, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)anthracene was detected in B-4 (0-2) at a concentration of 3.17 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(b)fluoranthane was detected in B-4 (0-2) at a concentration of 5.59 mg/kg, which exceeded the SS of 2.9 mg/kg.

- Benzo(a)pyrene detected in B-4 (0-2) and (16-18) at concentrations of 3.36 mg/kg and 1.65 mg/kg respectively, which exceeded the SS of 0.33 mg/kg.

No detections of metals in soil samples exceeded their respective SS with the exception of lead. Lead was detected in B-4 (0-2) at a concentration of 439 mg/kg, which exceeded the SS of 100 mg/kg. The following are the highest concentrations of metals detected in soil samples that have SS listed in RECAP Table 1 with their respective concentrations and sample intervals: arsenic, 6.67 mg/kg, B-3 (16-18); barium, 1080 mg/kg, B-4 (2-4); beryllium, 2.58 mg/kg, B-1 (6-8); cadmium, 0.995 mg/kg, B-5 (16-18); chromium, 17.10, B-4 (0-2); cobalt, 15.1 mg/kg, B-6 (16-18); copper, 90.9 mg/kg, B-4 (0-2); mercury, 3.45

mg/kg, B-4 (0-2); nickel, 25.7 mg/kg, B-6 (16-18); vanadium, 39.4 mg/kg, B-3 (2-4); and zinc, 142 mg/kg, B-4 (0-2). Metals having no SS listed in RECAP Table 1, aluminum, calcium, iron, magnesium, manganese, potassium and sodium were detected in all soil samples at concentrations generally consistent with background concentrations for soils. Soil analytical results for Metals are presented in Table 5. Reports of Laboratory Analysis of soil samples are included as Appendix E.

3.4 GROUNDWATER ANALYTICAL RESULTS

As noted, a groundwater sample was collected from each borehole with the exception of B-5 which did not produce water. Each of the 5 samples was analyzed for VOA, SVOA and Metals. Each metals sample was filtered in the field prior to shipment to the laboratory.

The groundwater results for VOA indicate that only two constituents were present above the detection limit. Trans-1,3-Dichloropropene was detected in monitor well B-4W at a concentration of 0.00613 mg/L, which exceeded the SS of 0.005 mg/L. Total xylene was detected in the groundwater sample from well B-4W at a concentration of 0.0526 mg/L, which was below the RECAP standard of 10 mg/L. Groundwater analytical results for VOA are presented in Table 6.

SVOA constituents were all below the detection limits for groundwater samples collected from wells B-1W, B-2W and B-6W. Naphthalene was detected in B-3W at a concentration of 0.028 mg/L, which exceeded the SS of 0.010 mg/L. Five SVOA constituents were detected above their respective SS in groundwater samples from B-4W. Dibenzofuran was detected in B-4W at a concentration of 0.046 mg/L (SS of 0.01 mg/L), fluorine at a concentration of 0.0498 mg/L (SS of 0.024 mg/L), naphthalene at a concentration of 0.381 mg/L (SS of 0.01 mg/L), and pyrene at a concentration of 0.024 mg/L (SS of 0.018 mg/L). Groundwater analytical results for SVOA are presented in Table 7.

No metals detected in any groundwater samples exceeded their respective SS. The maximum concentration of Copper detected in groundwater samples was 0.0135 mg/L in well B-6W. The maximum concentration of lead detected in groundwater samples was 0.00967 mg/L in B-1W. The maximum concentration of zinc detected in groundwater samples was 0.033 mg/L in B-6W. Metals having no SS listed in RECAP Table 1, aluminum, calcium, iron, magnesium, manganese, and sodium were detected in all groundwater samples at concentrations generally consistent with expected background concentrations. No potassium was detected in any groundwater sample. Groundwater analytical results for Metals are

presented in Table 8. Reports of Laboratory Analysis of soil samples are included as Appendix E.

3.5 QA/QC RESULTS

During the sampling event QA/QC samples were collected including trip blanks, soil and water duplicate samples, matrix spike and matrix spike duplicate samples, a rinsate blank and a field blank. Analytical results for QA/QC samples are presented in Appendix E.

Four trip blanks were collected and analyzed for VOA. Trip blank results generally indicated that contaminants were not acquired during the transport and storage of samples. VOA were not detected in any of the trip blanks. A soil duplicate B-1D (0-2) was collected from the 0 to 2-foot interval of Boring B-1. The results are similar but show some variation which is most likely explained by the inconsistencies in the sample matrix. A duplicate water sample B-1WD was collected from groundwater in Boring B-1. The results of the groundwater duplicate are similar to the sample but also show some variation in metals content. A matrix spike and matrix spike duplicate soil sample was collected from Boring B-2 at the 16 to 18-foot interval. A groundwater matrix spike and matrix spike duplicate sample was collected from boring B-3.

A rinsate sample, collected by pouring deionized water over sampling equipment was collected at the location of Boring B-5. A field blank was also collected at the location of Boring B-5. All of the parameters for both the rinsate and the field blank were below detection limits providing verification that analytes were not introduced by sampling equipment or procedures.

4.1 DISCUSSION OF FINDINGS AND CONCLUSIONS

In summary, URS Corporation (URS) developed and subsequently implemented a Phase II Environmental Site Assessment (Phase II ESA) Sampling Work Plan (SWP) to target identification of impacted areas within the site limits. Performance of this Site Investigation was consistent with Louisiana's Risk Evaluation/Corrective Action Program (RECAP) and was completed in accordance with the ASTM 1903-97 Standard Guide for Environmental Site Assessments.

According to information provided by the LDEQ, the site was used by the Baton Rouge Gas Works in the late 1800's. The current site use is the O'Brien House. It was established in 1971 to serve adult recovering alcoholics and drug addicts. It is a halfway house that works with alcoholics and educates the public about alcoholism. The O'Brien House provides a comprehensive continuum of care that includes treatment, prevention and community development initiatives.

The potentiometric surface as measured from the temporary monitor well static water levels is shown in Figure 4. Based on these data, a hydraulic gradient of 0.12 ft/ft is present at the site and groundwater flow is generally to the north. The closest major waterway is the Mississippi River approximately 0.8 miles to the west.

EPA conducted an investigation of the site in 2002 (report available upon request from the EPA). Phase I and II Environmental Site Assessments (ESA) of the site were conducted during April and May 2006 respectively. Results of sampling and analysis from the Phase II ESA indicated the presence of Semi-Volatile Organic Analytes in concentrations exceeding LDEQ Risk Evaluation Corrective Action (RECAP) Industrial Screening Standards (SS) in soil samples collected during this previous ESA.

Soil and groundwater samples collected from B-1 through B-6 for this assessment were analyzed for the following "site-specific" parameters as designated in the Sampling and Analysis Work Plan:

- Target Compound List (TCL) Volatile Organic Analytes by Method 8260B/5035.
- TCL Semi-Volatile Organic Analytes (includes Chlorinated Organics) by Method 8270C.

- Target Analyte List (TAL) Metals by Methods 6010C/7000/9012.

Six soil borings were drilled at the O'Brien House property site. Three soil samples and one groundwater sample were collected from each boring location with the exception of B-5 where a groundwater sample could not be obtained. The samples were sent to Pace Analytical Laboratory for VOA, SVOA and Metals analysis. Each groundwater sample collected for Metals analysis was filtered in the field.

From each boring, samples were collected and submitted using Encore® samplers for VOA analysis; in addition other samples were collected for SVOA and Metals in appropriate containers. The soil samples were placed on ice in a laboratory supplied ice chest to maintain the required temperature of 4 degrees Celsius and shipped to Pace Analytical Laboratory (Pace) in Saint Rose, LA via a Pace courier.

Each soil sample was labeled with the boring number and the depth interval that was collected, for example B-1(0-2) was the label used for Boring B-1, depth interval 0 to 2-feet bgs. VOA were detected in 4 of the 18 samples. Xylene was detected in sample B-4(2-4) at a concentration of 66.4 mg/kg, which exceeded the SS of 2.191 mg/kg. No other VOA exceeded their respective SS in soil samples.

SVOA were detected in 7 of the 18 soil samples. SVOA detected in concentrations that exceeded their respective SS are summarized below:

- Benzo(a)pyrene was detected B-1 (0-2) at a concentration of 1.6 mg/kg, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)anthracene was detected in B-2 (0-2) at a concentration of 4.05 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(b)fluoranthane was detected in B-2 (0-2) at a concentration of 3.91 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(a)pyrene was detected in B-2 (0-2) at a concentration of 3.04 mg/kg, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)pyrene was detected in B-3 (0-2) and (2-4) at a concentrations of 0.444 mg/kg and 1.1 mg/kg respectively, which exceeded the SS of 0.33 mg/kg.

- Benzo(a)anthracene was detected in B-4 (0-2) at a concentration of 3.17 mg/kg, which exceeded the SS of 2.9 mg/kg. Benzo(b)fluoranthane was detected in B-4 (0-2) at a concentration of 5.59 mg/kg, which exceeded the SS of 2.9 mg/kg.

- Benzo(a)pyrene detected in B-4 (0-2) and (16-18) at concentrations of 3.36 mg/kg and 1.65 mg/kg respectively, which exceeded the SS of 0.33 mg/kg.

No Metals detected in soil samples exceeded their respective SS with the exception of lead. Lead was detected in B-4 (0-2) at a concentration of 439 mg/kg, which exceeded the SS of 100 mg/kg.

A groundwater sample was collected from each borehole with the exception of B-5 which did not produce water. Each of the 5 samples was analyzed for VOA, SVOA and Metals. Each Metals sample was filtered in the field prior to shipment to the laboratory.

The VOA results for groundwater analyses indicate that two constituents were detected above the detection limit. Trans-1,3-Dichloropropene was the only VOA detected above the respective SS. Trans-1,3-Dichloropropene was detected in well B-4W at a concentration of 0.00613 mg/L, which exceeded the SS of 0.005 mg/L.

SVOA were all below the detection limits for groundwater samples collected from wells B-1W, B-2W and B-6W. Naphthalene was detected in B-3W at a concentration of 0.028 mg/L, which exceeded the SS of 0.010 mg/L. Five SVOA constituents were detected above their respective SS in groundwater samples from B-4W. Dibenzofuran was detected in B-4W at a concentration of 0.046 mg/L (SS of 0.01 mg/L), fluorine at a concentration of 0.0498 mg/L (SS of 0.024 mg/L), naphthalene at a concentration of 0.381 mg/L (SS of 0.01 mg/L), and pyrene at a concentration of 0.024 mg/L (SS of 0.018 mg/L).

No metals detected in any groundwater samples exceeded their respective SS. Figures 5 and 6 show constituents by boring on the Site Map that were detected in soil and groundwater samples at concentrations exceeding their respective Screening Standards.

Phase I Environmental Site Assessment, O'Brien House Property, 1200 Main Street, Baton Rouge, Louisiana, Pyburn and Odom, April 4, 2006.

Phase II Environmental Site Assessment, O'Brien House Property, 1200 Main Street, Baton Rouge, Louisiana, Pyburn and Odom, May 15, 2006.

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

The Louisiana Voluntary Remediation Regulations (LAC 33:VI.Chapter 9).

U.S. Geological Survey. 7.5-Minute Series Topographic Quadrangle Maps, "Baton Rouge West, Louisiana," Photorevised 1995.

TABLES

TABLE 1

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR CONSTITUENTS IN GROUNDWATER SAMPLES
EXCEEDING RECAP SCREENING STANDARDS
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Method	Analyte	CAS	GW_SSi	Units	B-3W	B-4W
SW-846 8260B/5030	trans-1,3-Dichloropropene	10061-02-6	5.0E-03	mg/L	ND	**0.00613**
SW-846 8270C	Dibenzofuran	132-64-9	1.0E-02	mg/L	ND	**0.0462**
SW-846 8270C	Fluorene	86-73-7	0.024	mg/L	ND	**0.0498**
SW-846 8270C	Naphthalene	91-20-3	0.010	mg/L	**0.028**	**0.381**
SW-846 8270C	Pyrene	129-00-0	0.018	mg/L	ND	**0.024**

Notes:

Bold indicates constituents that exceed RECAP Screening Standards.
ND - Analyte not detected in any sample above the respective method detection limits.

TABLE 2

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR CONSTITUENTS IN SOIL SAMPLES
EXCEEDING RECAP SCREENING STANDARDS
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Method	Analyte	CAS	SOIL_SSI	SOIL_SSGW	Units	B-1(0-2)	B-2(0-2)	B-3(0-2)	B-3(2-4)	B-4(0-2)	B-4(2-4)	B-4(16-18)
SW-846 8260b/5030	Xylene (total)	1330-20-7	2.2E+00	1.5E+02	mg/kg	ND	ND	ND	ND	ND	**66.4**	ND
SW-846 8270C	Benzo(a)anthracene	56-55-3	2.9E+00	3.3E+02	mg/kg	1.49*	**4.05**	0.503*	1.26*	**3.17**	ND	1.79*
SW-846 8270C	Benzo(b)fluoranthene	205-99-2	2.9E+00	2.2E+02	mg/kg	1.96*	**3.91**	0.627*	2.06*	**5.59**	ND	2.34*
SW-846 8270C	Benzo(a)pyrene	50-32-8	3.3E-01	2.3E+01	mg/kg	**1.6**	**3.04**	**0.444**	**1.1**	**3.36**	ND	**1.65**
SW-846 6010B	Lead	7439-92-1	1.4E+03	1.0E+02	mg/kg	48.8*	27.7*	16.5*	28.7*	**439.0**	16.9*	19.2*

Notes:

Bold indicates constituents that exceed RECAP Screening Standards.
ND - Analyte not detected in any sample above the respective method detection limits.
* *Detected above PQL but did not exceed RECAP Screening Standard.*

TABLE 3

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR VOA AND SCREENING STANDARDS FOR SOIL
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	RECAP SOIL_SSI	RECAP SOIL_SSGW	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1(0-2)	B-1(6-8)	B-1(16-18)	B-2(0-2)	B-2(14-16)	B-2(16-18)	B-3(0-2)	B-3(2-4)	B-3(16-18)	B-4(0-2)	B-4(2-4)	B-4(16-18)	B-5(0-2)	B-5(16-18)	B-5(18-20)	B-6(0-2)	B-6(8-10)	B-6(16-18)
Acetone	67-64-1	1.4E+03	1.5E+00	mg/kg	No	0.0734	0.011	0.0144	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	0.0734	0.011	<0.00943	<0.0108	<5.0	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888
Benzene	71-43-2	3.1E+00	5.1E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Bromodichloromethane	75-27-4	4.2E+00	9.2E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Bromoform	75-25-2	1.8E+02	1.8E+00	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Bromomethane	74-83-9	3.0E+00	4.0E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
2-Butanone	78-93-3	4.4E+03	5.6E+00	mg/kg	No	ND	ND	<0.00826	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	<0.00912	<0.00885	<0.00943	<0.0108	<2.5	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888
Carbon disulfide	75-15-0	2.5E+02	1.1E+01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Carbon tetrachloride	56-23-5	1.1E+00	1.1E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Chlorobenzene	108-90-7	1.2E+02	3.0E+00	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Chloroethane	75-00-3	8.2E+00	3.5E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Chloroform	67-66-3	3.0E-01	9.0E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Chloromethane	74-87-3	7.3E+00	1.0E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Dibromochloromethane	124-48-1	5.4E+00	1.0E+00	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,1-Dichloroethane	75-34-3	4.7E+02	7.5E+00	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,2-Dichloroethane	107-06-2	1.8E+00	5.5E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,2-Dichloroethene (Total)	540-59-0			mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,1-Dichloroethene	75-35-4	9.1E+01	8.5E-02	mg/kg	No	ND	ND	<0.00826	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	<0.00912	<0.00885	<0.00943	<0.0108	<5.0	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888
cis-1,2-Dichloroethene	156-59-2	3.4E+01	4.9E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
trans-1,2-Dichloroethene	156-60-5	4.8E+01	7.7E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,2-Dichloropropane	78-87-5	1.8E+00	4.2E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
cis-1,3-Dichloropropene	10061-01-5	1.0E+01	4.0E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
trans-1,3-Dichloropropene	10061-02-6	1.0E+01	4.0E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Ethylbenzene	100-41-4	2.3E+02	1.9E+01	mg/kg	No	6.38	6.38	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
2-Hexanone	591-78-6	NSS	NSS	mg/kg	NSS	ND	ND	<0.00826	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	<0.00912	<0.00885	<0.00943	<0.0108	<5.0	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888
Methylene chloride	75-09-2	4.4E+01	1.7E-02	mg/kg	No	0.00557	0.00496	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	0.00496	0.00557	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
4-Methyl-2-pentanone	108-10-1	3.1E+03	6.4E+00	mg/kg	No	ND	ND	<0.00826	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	<0.00912	<0.00843	<0.00943	<0.0108	<5.0	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888
Styrene	100-42-5	1.7E+03	1.1E+01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,1,2,2-Tetrachloroethane	79-34-5	2.0E+00	6.0E-03	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Tetrachloroethene	127-18-4	3.5E+01	1.8E-01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Toluene	108-88-3	4.7E+02	2.0E+01	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,1,1-Trichloroethane	71-55-6	7.0E+02	4.0E+00	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
1,1,2-Trichloroethane	79-00-5	4.3E+00	5.8E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Trichloroethene	79-01-6	2.1E-01	7.3E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Vinyl chloride	75-01-4	7.9E-01	1.3E-02	mg/kg	No	ND	ND	<0.00413	<0.00391	<0.00449	<0.00433	<0.00422	<0.00448	<0.00456	<0.00442	<0.00472	<0.00542	<2.5	<0.00463	<0.00444	<0.00466	<0.00446	<0.00442	<0.00437	<0.00444
Xylene (total)	1330-20-7	2.2E+00	1.5E+02	mg/kg	Yes	66.4	66.4	<0.00826	<0.00782	<0.00898	<0.00865	<0.00843	<0.00896	<0.00912	<0.00885	<0.00943	<0.0108	66.4	<0.00926	<0.00888	<0.00931	<0.00893	<0.00885	<0.00874	<0.00888

Notes:
Method = All samples were analyzed using EPA Method 8260.
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.
N/A - Not analyzed for this constituent.

TABLE 4

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR SVOA AND SCREENING STANDARDS FOR SOILS
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	SOIL_SSI	SOIL_SSGW	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1(0-2)	B-1(6-8)	B-1(16-18)	B-2(0-2)	B-2(14-16)	B-2(16-18)	B-3(0-2)	B-3(2-4)	B-3(16-18)	B-4(0-2)	B-4(2-4)	B-4(16-18)	B-5(0-2)	B-5(16-18)	B-5(18-20)	B-6(0-2)	B-6(8-10)	B-6(16-18)
Acenaphthene	83-32-9	6.1E+03	2.2E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Acenaphthylene	208-96-8	5.1E+03	8.8E+01	mg/kg	No	0.573	0.473	0.473	<0.330	<0.330	0.573	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Acetophenone	98-86-2	NSS	NSS	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Anthracene	120-12-7	4.8E+04	1.2E+02	mg/kg	No	0.738	0.482	<0.330	<0.330	<0.330	0.738	<0.330	<0.330	<0.330	0.482	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Atrazine (Aatrex)	1912-24-9	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzaldehyde	100-52-7	NSS	NSS	mg/kg	NSS	1.3	1.3	<0.330	<0.330	1.3	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(a)anthracene	56-55-3	2.9E+00	3.3E+02	mg/kg	Yes	4.05	0.503	1.49	<0.330	1.42	4.05	<0.330	<0.330	0.503	1.26	<0.330	3.17	<0.330	1.79	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(b)fluoranthene	205-99-2	2.9E+00	2.2E+02	mg/kg	Yes	5.59	0.475	1.96	<0.330	0.475	3.81	<0.330	<0.330	0.627	2.06	<0.330	5.59	<0.330	2.34	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(k)fluoranthene	207-08-9	2.9E+01	1.2E+02	mg/kg	No	2.36	0.575	0.987	<0.330	<0.330	2.36	<0.330	<0.330	<0.330	0.575	<0.330	2.16	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(g,h,i)perylene	191-24-2	NSS	NSS	mg/kg	No	0.89	0.514	0.514	<0.330	0.89	0.642	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(a)pyrene	50-32-8	3.3E-01	2.3E+01	mg/kg	Yes	3.36	0.444	1.6	<0.330	<0.330	3.04	<0.330	<0.330	0.444	1.1	<0.330	3.36	<0.330	1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Biphenyl	92-52-4	2.3E+02	1.9E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4-Bromophenyl phenyl ether	101-55-3	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Butyl benzyl phthalate	85-68-7	2.2E+02	2.2E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Caprolactam	105-60-2	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Carbazole	86-74-8	NSS	NSS	mg/kg	NSS	0.421	0.421	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.421	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4-Chloro-3-methylphenol	59-50-7	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4-Chloroaniline	106-47-8	1.7E+02	1.5E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Bis(2-Chloroethoxy)methane	111-91-1	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Bis(2-Chloroethyl)ether	111-44-4	1.1E+00	3.3E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Chloronaphthalene	91-58-7	6.3E+03	5.0E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Chlorophenol	95-57-8	1.4E+02	1.4E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4-Chlorophenyl phenyl ether	7005-72-3	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Chrysene	218-01-9	2.9E+02	7.6E+01	mg/kg	No	3.96	0.533	1.4	<0.330	1.06	3.96	<0.330	<0.330	0.533	1.17	<0.330	3.32	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Dibenz(a,h)anthracene	53-70-3	3.3E-01	5.4E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Dibenzofuran	132-64-9	1.5E+02	2.4E+01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
3,3'-Dichlorobenzidine	91-94-1	4.2E+00	1.8E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2,4-Dichlorophenol	120-83-2	2.0E+02	1.2E+01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Diethyl phthalate	84-66-2	6.7E+02	3.6E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2,4-Dimethylphenol	105-67-9	1.1E+03	2.0E+01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Dimethyl phthalate	131-11-3	1.5E+03	1.6E+03	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Di-n-butyl phthalate	84-74-2	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4,6-Dinitro-2-methylphenol	534-52-1	NSS	NSS	mg/kg	NSS	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
2,4-Dinitrophenol	51-28-5	6.9E+01	1.7E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
2,4-Dinitrotoluene	121-14-2	9.8E+01	1.0E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2,6-Dinitrotoluene	606-20-2	4.6E+01	3.9E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Di-n-octyl phthalate	117-84-0	3.5E+03	1.0E+04	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Bis(2-Ethylhexyl)phthalate	117-81-7	1.7E+02	7.9E+01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Fluoranthene	206-44-0	2.9E+03	1.2E+03	mg/kg	No	6.17	1.12	2.55	<0.330	1.61	6.17	<0.330	<0.330	1.12	3.01	<0.330	4.78	<0.330	3.90	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Fluorene	86-73-7	5.4E+03	2.3E+02	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Hexachloro-1,3-butadiene	87-68-3	8.6E+00	5.5E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Hexachlorobenzene	118-74-1	2.0E+00	9.6E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Hexachlorocyclopentadiene	77-47-4	9.4E+00	1.2E+03	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Hexachloroethane	67-72-1	6.8E+01	2.2E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Indeno(1,2,3-cd)pyrene	193-39-5	2.9E+00	9.2E+00	mg/kg	No	0.724	0.479	0.479	<0.330	<0.330	0.724	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Isophorone	78-59-1	1.1E+03	5.6E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Methylnaphthalene	91-57-6	1.7E+02	1.7E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Methylphenol (o-Cresol)	95-48-7	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Methylphenol (p-Cresol)	106-44-5	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Naphthalene	91-20-3	4.3E+01	1.5E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Nitroaniline	88-74-4	1.7E+00	1.7E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
3-Nitroaniline	99-09-2	1.4E+02	1.7E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
4-Nitroaniline	100-01-6	1.0E+02	1.7E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<1.65	<0.833	<1.65	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
Nitrobenzene	98-95-3	2.5E+01	3.3E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2-Nitrophenol	88-75-5	NSS	NSS	mg/kg	NSS	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
4-Nitrophenol	100-02-7	3.3E+02	2.6E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
n-Nitrosodi-n-propylamine	621-64-7	3.3E-01	3.3E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
n-Nitrosodiphenylamine	86-30-6	4.0E+02	2.1E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2,2'-Oxybis(1-chloropropane)	108-60-1	1.7E+01	8.0E-01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Pentachlorophenol	87-86-5	9.7E+00	1.7E+00	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
Phenanthrene	85-01-8	4.3E+04	6.6E+02	mg/kg	No	3.35	0.742	0.742	<0.330	<0.330	3.35	<0.330	<0.330	0.778	2.34	<0.330	1.9	<0.330	2.77	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Phenol	108-95-2	1.5E+04	1.1E+01	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Pyrene	129-00-0	5.6E+03	1.1E+03	mg/kg	No	5.86	0.948	2.33	<0.330	1.34	5.34	<0.330	<0.330	0.948	2.55	<0.330	5.86	<0.330	3.61	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
2,4,5-Trichlorophenol	95-95-4	6.6E+03	3.2E+02	mg/kg	No	ND	ND	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833	<4.16	<0.833	<4.16	<0.833	<0.833	<0.833	<0.833	<0.833	<0.833
2,4,6-Trichlorophenol	88-06-2	1.7E+02	1.3E+00	mg/kg	No	ND	ND	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<1.65	<0.330	<1.65	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330

Notes:
Method = EPA 8270
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.

TABLE 5

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR METALS AND SCREENING STANDARDS FOR SOILS
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	SOIL_SSI	SOIL_SSGW	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1 S (0-2)	B-1 S (6-8)	B-1 S (16-18)	B-2 S (0-2)	B-2 S (14-16)	B-2 S (16-18)	B-3 S (0-2)	B-3 S (2-4)	B-3 S (16-18)	B-4 S (0-2)	B-4 S (2-4)	B-4 S (16-18)	B-5 S (0-2)	B-5 S (16-18)	B-5 S (18-20)	B-6 S (0-2)	B-6 S (8-10)	B-6 S (16-18)
Aluminum	7429-90-5	NSS	NSS	mg/kg	NSS	11,800	4,280	7,500	9,540	6,540	6,800	8,420	11,200	4,280	4,800	11,600	5,760	7,720	7,160	7,150	11,800	11,300	7,120	6,150	10,700
Antimony	7440-36-0	8.2E+01	1.2E+01	mg/kg	No	ND	ND	<5.36	<6.00	<5.77	<5.66	<5.17	<6.00	<5.56	<5.66	<5.26	<5.77	<5.00	<5.56	<5.68	<5.88	<5.88	<5.36	<5.77	<5.77
Arsenic	7440-38-2	1.2E+01	1.0E+02	mg/kg	No	6.67	1.37	<0.893	4.04	1.37	2.31	<0.862	3.50	<0.926	4.31	6.67	<0.962	1.51	1.59	<0.98	1.55	1.76	<0.893	<0.962	1.42
Barium	7440-39-3	1.4E+04	2.0E+03	mg/kg	No	1,080	48.8	153	48.8	113	99.5	97.3	129	72.0	162	71	249	1,080.0	73	81	165.0	326	115.0	<19.2	288
Beryllium	7440-41-7	4.1E+02	8.0E+00	mg/kg	No	2.580	0.500	0.60	2.580	0.511	0.500	0.656	0.957	<0.463	<0.472	1.160	0.56	0.881	0.821	0.631	1.000	1.060	0.639	1.210	0.925
Cadmium	7440-43-9	1.0E+02	2.0E+01	mg/kg	No	0.995	0.773	<0.446	<0.50	<0.481	<0.472	<0.431	<0.50	<0.463	<0.472	<0.439	0.77	<0.417	<0.463	<0.49	0.995	<0.490	<0.446	<0.481	<0.481
Calcium	7440-70-2	NSS	NSS	mg/kg	NSS	5,530	1,380	5,530	2,980	2,560	2,710	2,690	4,070	4,060	2,700	5,530	1,960	2,620	2,390	1,380	4,690	4,960	1,980	2,000	3,910
Chromium	7440-47-3	6.1E+02	1.0E+02	mg/kg	No	17.10	4.21	9.51	9.19	8.93	12.10	9.13	11.90	6.35	14.40	12.30	17.10	6.01	8.17	7.61	13.60	13.00	8.37	4.21	12.30
Cobalt	7440-48-4	1.2E+04	4.4E+03	mg/kg	No	15.10	3.32	5.96	10.80	4.52	3.51	5.16	7.47	5.40	3.32	7.53	3.75	12.10	10.40	6.53	6.56	8.00	8.06	3.39	15.10
Copper	7440-50-8	8.2E+03	1.5E+03	mg/kg	No	90.90	3.99	13.80	9.48	8.80	9.79	9.40	17.40	6.72	15.70	19.40	90.90	4.32	9.68	10.80	17.90	19.90	10.30	3.99	18.00
Iron	7439-89-6	NSS	NSS	mg/kg	NSS	33,400	4,340	12,300	16,200	13,600	12,100	10,600	17,700	8,600	33,400	21,900	22,600	10,100	9,230	12,900	18,500	17,300	13,700	4,340	17,500
Lead	7439-92-1	1.4E+03	1.0E+02	mg/kg	Yes	439	4.90	46.80	12.20	49.40	27.70	13.60	13.80	16.50	28.70	22.10	439.0	16.90	19.20	12.60	10.90	13.00	8.22	4.90	12.70
Magnesium	7439-95-4	NSS	NSS	mg/kg	NSS	4,240	711	2,170	2,010	1,160	773	2,420	3,750	2,960	1,280	3,970	711	1,630	1,640	1,300	4,240	4,040	1,740	1,320	3,880
Manganese	7439-96-5	NSS	NSS	mg/kg	NSS	1,070	71	462	303	190	137	215	418	187	276	172	117	114	334	328	209	845	780	71	1,070
Mercury	7439-97-6	6.1E+01	4.0E+00	mg/kg	No	3.45	0.021	0.0619	<0.0182	0.0323	0.0328	0.0264	<0.0194	0.0251	0.0272	0.0213	3.4500	<0.0188	0.0569	0.0297	0.0328	<0.0194	<0.0194	<0.0171	<0.0171
Nickel	7440-02-0	4.1E+03	1.5E+03	mg/kg	No	25.7	5.9	11.6	25.1	7.3	5.9	10.9	17.9	11.7	7.6	20.0	9.16	17.7	10.7	10.8	19.8	19.1	14.0	6.0	25.7
Potassium	9/7/7440	NSS	NSS	mg/kg	NSS	1,620	468	548	<500	<481	<472	778	1,300	661	749	1,400	<481	<417	468	683.00	1,620	1,420	829	<481	1,190
Selenium	7782-49-2	1.0E+03	2.0E+01	mg/kg	No	ND	ND	<3.12	<3.50	<3.37	<3.30	<3.02	<3.50	<3.24	<3.30	<3.07	<3.37	<2.92	<3.24	<3.43	<3.43	<3.43	<3.12	<3.37	<3.37
Silver	7440-22-4	1.0E+03	1.0E+02	mg/kg	No	ND	ND	<0.893	<1.00	<0.962	<0.943	<0.862	<1.00	<0.926	<0.943	<0.877	<0.962	<0.833	<0.926	<0.98	<0.98	<0.98	<0.893	<0.962	<0.962
Sodium	7440-23-5	NSS	NSS	mg/kg	NSS	ND	ND	<446	<500	<481	<472	<431	<500	<463	<472	<439	<481	<417	<463	<490	<490	<490	<446	<481	<481
Thallium	7440-28-0	1.4E+01	4.0E+00	mg/kg	No	ND	ND	<0.893	<1.00	<0.962	<0.943	<0.862	<1.00	<0.926	<0.943	<0.877	<0.962	<0.833	<0.926	<0.98	<0.98	<0.98	<0.893	<0.962	<0.962
Vanadium	7440-62-2	1.4E+03	5.2E+02	mg/kg	No	39.4	6.7	18.2	31.0	18.1	22.1	14.1	23.0	12.2	39.4	32.1	21.4	16.9	15.9	18.5	26.6	24.8	20.4	6.7	22.6
Zinc	7440-66-6	6.1E+04	2.8E+03	mg/kg	No	142.0	12.3	52.4	29.9	27.1	44.1	32.0	52.4	40.5	39.6	55.4	142.0	20.3	33.0	35.5	57.6	57.5	31.6	12.3	52.4

Notes:
Methods - All metals were analyzed using method SW-846 6010B, except mercury which was run using method SW-846 7471A
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.
N/A - Not analyzed for this constituent.

TABLE 6

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR VOA AND SCREENING STANDARDS FOR GROUNDWATER
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	RECAP GW_SS	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1 W	B-2 W	B-3 W	B-4 W	B-6 W
Acetone	67-64-1	1.0E-01	mg/L	No	0.0957	0.0957	<0.010	<0.010	<0.010	<0.010	0.0957
Benzene	71-43-2	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	75-27-4	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	75-25-2	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	74-83-9	1.0E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	78-93-3	1.9E-01	mg/L	No	ND	ND	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	75-15-0	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	56-23-5	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	108-90-7	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	75-00-3	1.0E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	67-66-3	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	74-87-3	1.0E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	124-48-1	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	75-34-3	8.1E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	107-06-2	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethene (Total)	540-59-0	1.0E-01	mg/L	No	ND	ND	<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethene	75-35-4	8.1E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	156-59-2	7.0E-02	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	156-60-5	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	78-87-5	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	10061-01-5	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	10061-02-6	5.0E-03	mg/L	Yes	0.00613	0.00613	<0.005	<0.005	<0.005	**0.00613**	<0.005
Ethylbenzene	100-41-4	7.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	591-78-6	NSS	mg/L	No	ND	ND	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	75-09-2	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	108-10-1	2.0E-01	mg/L	No	ND	ND	<0.010	<0.010	<0.010	<0.010	<0.010
Styrene	100-42-5	1.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	5.0E-04	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	127-18-4	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	108-88-3	1.0E+00	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	71-55-6	2.0E-01	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	79-00-5	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	79-01-6	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	75-01-4	2.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	1330-20-7	1.0E+01	mg/L	No	0.0526	0.0526	<0.010	<0.010	<0.010	0.0526	<0.010

Notes:
Method = All samples were analyzed using EPA Method 8260.
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.
N/A - Not analyzed for this constituent.
No water sample was collected from temporary well B-5. Water was not present in the borehole.

TABLE 7

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR SVOA AND SCREENING STANDARDS FOR SOILS
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	GW_SSi	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1 W	B-2 W	B-3 W	B-4 W	B-6 W
Acenaphthene	83-32-9	0.0365	mg/L	No	0.026	0.026	<0.01	<0.01	<0.01	0.0258	<0.01
Acenaphthylene	208-96-8	0.100	mg/L	No	0.011	0.011	<0.01	<0.01	<0.01	0.0107	<0.01
Acetophenone	98-86-2	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	120-12-7	0.043	mg/L	No	0.019	0.019	<0.01	<0.01	<0.01	0.019	<0.01
Atrazine (Aatrex)	1912-24-9	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzaldehyde	100-52-7	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)anthracene	56-55-3	0.008	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	205-99-2	0.005	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	207-08-9	0.003	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	191-24-2	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	50-32-8	0.00020	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Biphenyl	92-52-4	0.030	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4-Bromophenyl phenyl ether	101-55-3	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Butyl benzyl phthalate	85-68-7	0.73	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Caprolactam	105-60-2	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Carbazole	86-74-8	NSS	mg/L	NSS	0.043	0.043	<0.01	<0.01	<0.01	0.043	<0.01
4-Chloro-3-methylphenol	59-50-7	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chloroaniline	106-47-8	0.020	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-Chloroethoxy)methane	111-91-1	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-Chloroethyl)ether	111-44-4	0.006	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chloronaphthalene	91-58-7	0.049	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorophenol	95-57-8	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlorophenyl phenyl ether	7005-72-3	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	218-01-9	0.0016	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	53-70-3	0.0025	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzofuran	132-64-9	0.0100	mg/L	Yes	0.046	0.046	<0.01	<0.01	<0.01	0.046	<0.01
3,3'-Dichlorobenzidine	91-94-1	0.0200	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dichlorophenol	120-83-2	0.0110	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Diethyl phthalate	84-66-2	2.92	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dimethylphenol	105-67-9	0.073	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Dimethyl phthalate	131-11-3	36.50	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Di-n-butyl phthalate	84-74-2	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4,6-Dinitro-2-methylphenol	534-52-1	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dinitrophenol	51-28-5	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dinitrotoluene	121-14-2	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,6-Dinitrotoluene	606-20-2	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Di-n-octyl phthalate	117-84-0	0.020	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-Ethylhexyl)phthalate	117-81-7	0.006	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene	206-44-0	0.146	mg/L	No	0.033	0.033	<0.01	<0.01	<0.01	0.033	<0.01
Fluorene	86-73-7	0.024	mg/L	Yes	0.050	0.050	<0.01	<0.01	<0.01	0.0498	<0.01
Hexachloro-1,3-butadiene	87-68-3	0.0007	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	118-74-1	0.0010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorocyclopentadiene	77-47-4	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachloroethane	67-72-1	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	193-39-5	0.0037	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Isophorone	78-59-1	0.0699	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylnaphthalene	91-57-6	0.0130	mg/L	No	0.038	0.038	<0.01	<0.01	<0.01	0.038	<0.01
2-Methylphenol (o-Cresol)	95-48-7	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol (p-Cresol)	106-44-5	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	91-20-3	0.010	mg/L	Yes	0.381	0.028	<0.01	<0.01	0.028	0.381	<0.01
2-Nitroaniline	88-74-4	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
3-Nitroaniline	99-09-2	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitroaniline	100-01-6	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene	98-95-3	0.0019	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2-Nitrophenol	88-75-5	NSS	mg/L	NSS	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitrophenol	100-02-7	0.050	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
n-Nitrosodi-n-propylamine	621-64-7	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
n-Nitrosodiphenylamine	86-30-6	0.014	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,2'-Oxybis(1-chloropropane)	108-60-1	0.006	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Pentachlorophenol	87-86-5	0.001	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	85-01-8	0.183	mg/L	No	0.096	0.096	<0.01	<0.01	<0.01	0.096	<0.01
Phenol	108-95-2	0.183	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	129-00-0	0.018	mg/L	Yes	0.024	0.024	<0.01	<0.01	<0.01	0.024	<0.01
2,4,5-Trichlorophenol	95-95-4	0.365	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,6-Trichlorophenol	88-06-2	0.010	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:
Method = EPA 8270
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.
No water sample was collected from temporary well B-5. Water was not present in the borehole.

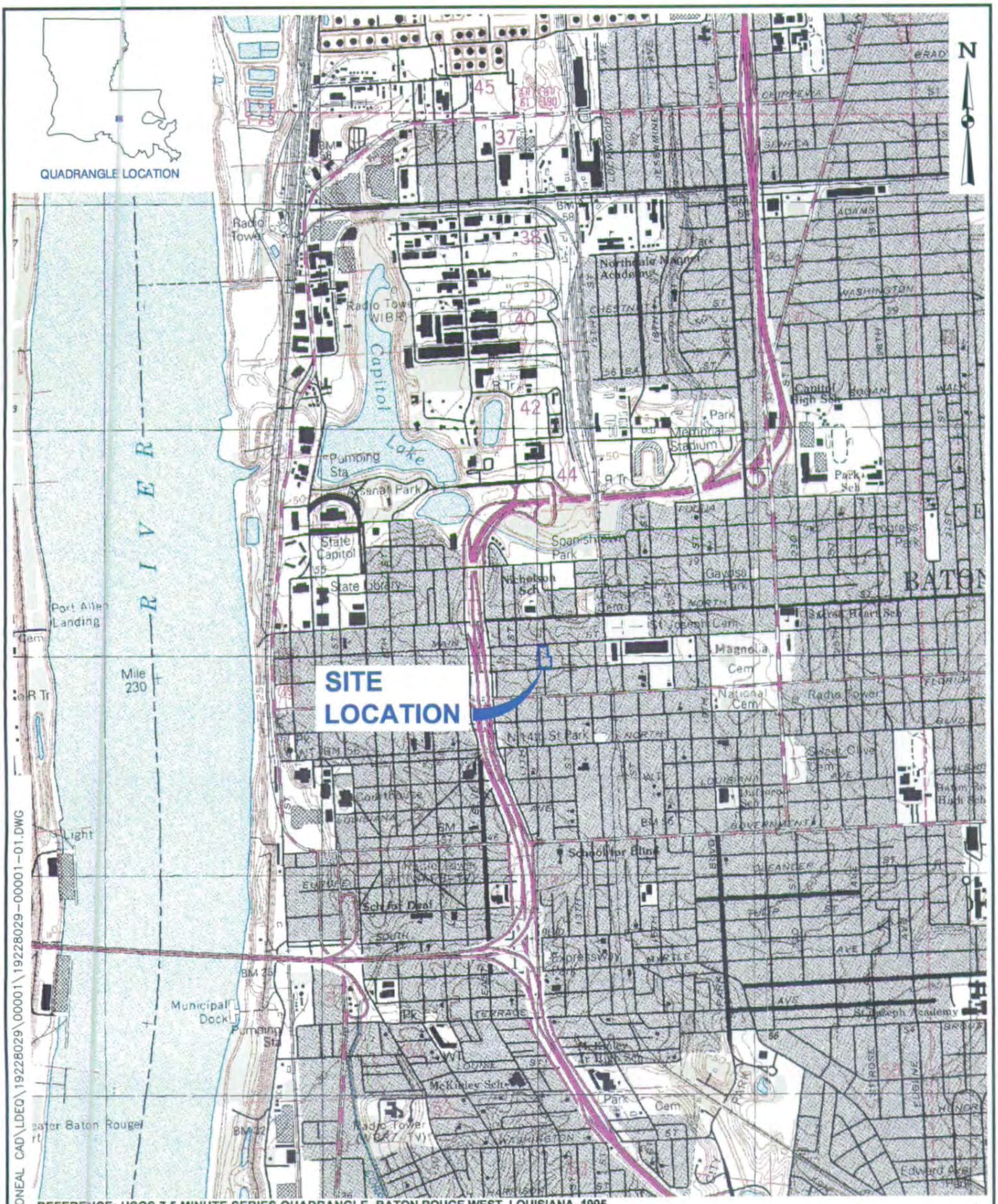
TABLE 8

PHASE II SITE INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS FOR METALS AND SCREENING STANDARDS FOR GROUNDWATER
1217 LAUREL STREET
BATON ROUGE, LOUISIANA
SAMPLES COLLECTED IN APRIL 2007

Analyte	CAS	GW_SS	Units	Maximum Detect Exceeds Limiting RECAP Standard?	Maximum Detected Concentration	Minimum Detected Concentration	B-1 W	B-2 W	B-3 W	B-4 W	B-6 W
Aluminum	7429-90-5	NSS	mg/L	NSS	2.4	0.213	2.40	0.39	0.25	<0.2	0.21
Antimony	7440-36-0	6.0E-03	mg/L	ND	ND	ND	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic	7440-38-2	1.0E-02	mg/L	ND	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	7440-39-3	2.0E+00	mg/L	No	ND	ND	<0.2	<0.2	<0.2	<0.2	<0.2
Beryllium	7440-41-7	4.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	7440-43-9	5.0E-03	mg/L	No	ND	ND	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	7440-70-2	NSS	mg/L	NSS	152	47.9	109.0	152.0	90.7	58.7	47.9
Chromium	7440-47-3	1.0E-01	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.10	<0.01
Cobalt	7440-48-4	2.2E-01	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	7440-50-8	1.3E+00	mg/L	No	0.0135	0.0135	<0.01	<0.01	<0.01	<0.01	0.014
Iron	7439-89-6	NSS	mg/L	NSS	11	1.43	2.50	<0.10	11.00	1.43	<0.1
Lead	7439-92-1	1.5E-02	mg/L	No	0.00967	0.00669	0.00967	<0.005	<0.005	<0.005	0.00669
Magnesium	7439-95-4	NSS	mg/L	NSS	57.9	12.7	32.10	57.90	13.60	12.70	17.80
Manganese	7439-96-5	NSS	mg/L	NSS	3.74	0.113	0.922	0.418	3.740	3.120	0.113
Mercury	7439-97-6	2.0E-03	mg/L	No	ND	ND	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	7440-02-0	7.3E-02	mg/L	No	ND	ND	<0.40	<0.04	<0.04	<0.04	<0.04
Potassium	9/7/7440	NSS	mg/L	NSS	ND	ND	<5.0	<5.0	<5.0	<5.0	<5.0
Selenium	7782-49-2	5.0E-02	mg/L	No	ND	ND	<0.035	<0.035	<0.035	<0.035	<0.035
Silver	7440-22-4	1.8E-02	mg/L	No	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	7440-23-5	NSS	mg/L	NSS	117.0	68.0	86.9	117.0	90.2	68.0	93.2
Thallium	7440-28-0	2.0E-03	mg/L	No	ND	ND	<0.01	<0.01	<0.10	<0.01	<0.01
Vanadium	7440-62-2	2.6E-02	mg/L	No	ND	ND	<0.05	<0.05	<0.50	<0.05	<0.05
Zinc	7440-66-6	1.1E+00	mg/L	No	0.033	0.0208	0.021	<0.02	<.020	0.026	0.033

Notes:
Methods - All metals were analyzed using method SW-846 6010B, except mercury which was run using method SW-846 7471A
NSS - No Screening Standard listed in LDEQ RECAP Table 1.
ND - Analyte not detected in any sample above the respective method detection limits.
N/A - Not analyzed for this constituent.
No water sample was collected from temporary well B-5. Water was not present in the borehole.

FIGURES



I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-01.DWG

REFERENCE: USGS 7.5 MINUTE SERIES QUADRANGLE. BATON ROUGE WEST, LOUISIANA. 1995.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY BATON ROUGE, LOUIAIANA	URS 7389 Florida Blvd., Suite 300 Baton Rouge, Louisiana 70806 225/922-5700	O'BRIEN HOUSE BATON ROUGE, LOUISIANA	PROJ. NO. 19228029
	SCALE: 1" = 2000' / DRAWN BY: PCG / DATE: 11/2/06 / CHKD. BY: YQ / DATE: 12/19/05	SITE LOCATION MAP	FIG. NO. 1

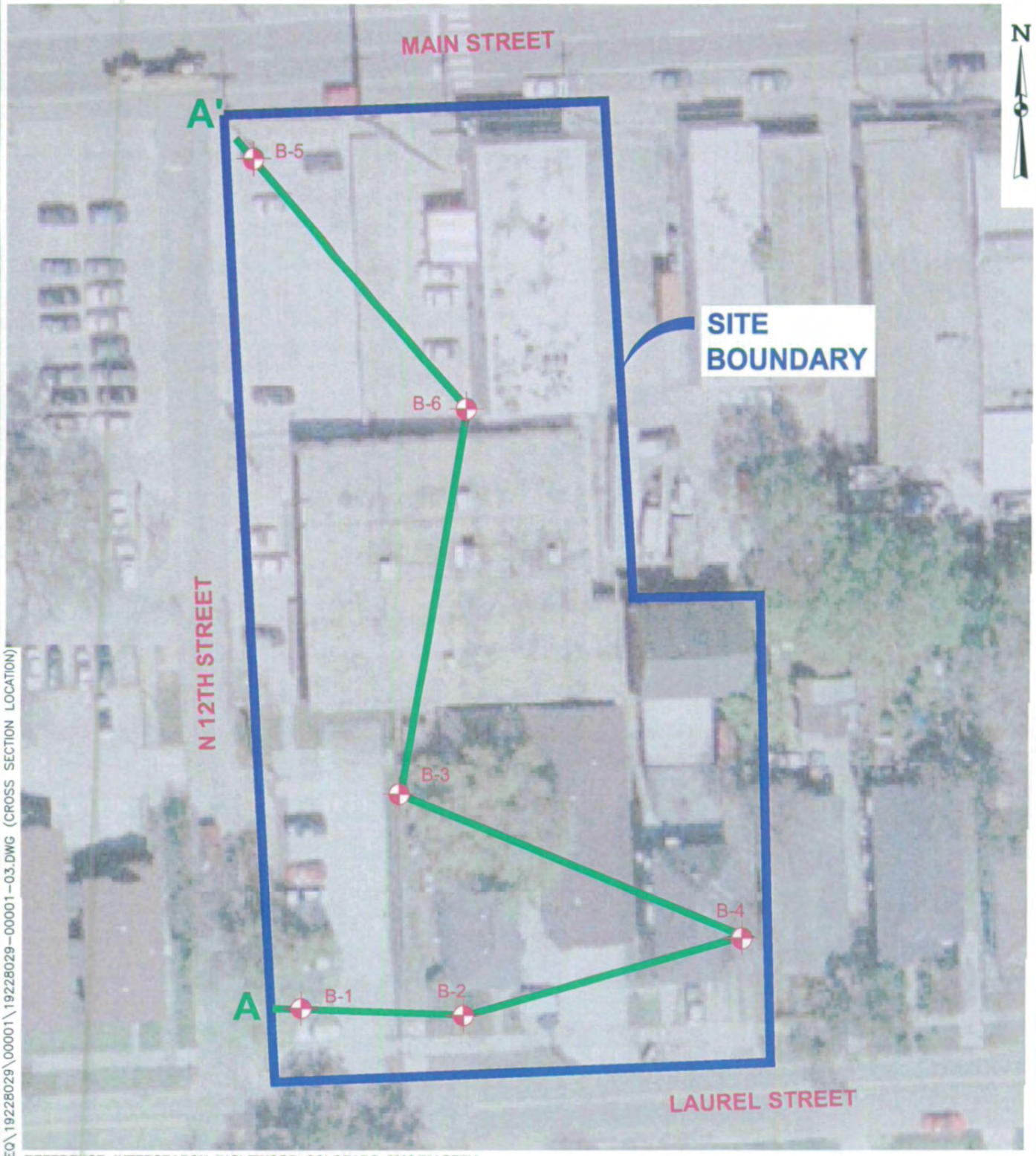
REFERENCE: INTERSEARCH, INGLEWOOD, COLORADO; 2002 IMAGERY.

LEGEND

SOIL BORING LOCATIONS

I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-03.DWG (BORING LOCATIONS)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY BATON ROUGE, LOUIAIANA	URS 7389 Florida Blvd., Suite 300 Baton Rouge, Louisiana 70806 225/922-5700		O'BRIEN HOUSE BATON ROUGE, LOUISIANA	PROJ. NO. 19228029
	SCALE: 1" = 50'	DRAWN BY: GT / CHKD. BY: JA	DATE: 07/09/07 / DATE: 07/09/07	BORING LOCATION MAP	FIG. NO. 2



REFERENCE: INTERSEARCH, INGLEWOOD, COLORADO; 2002 IMAGERY.

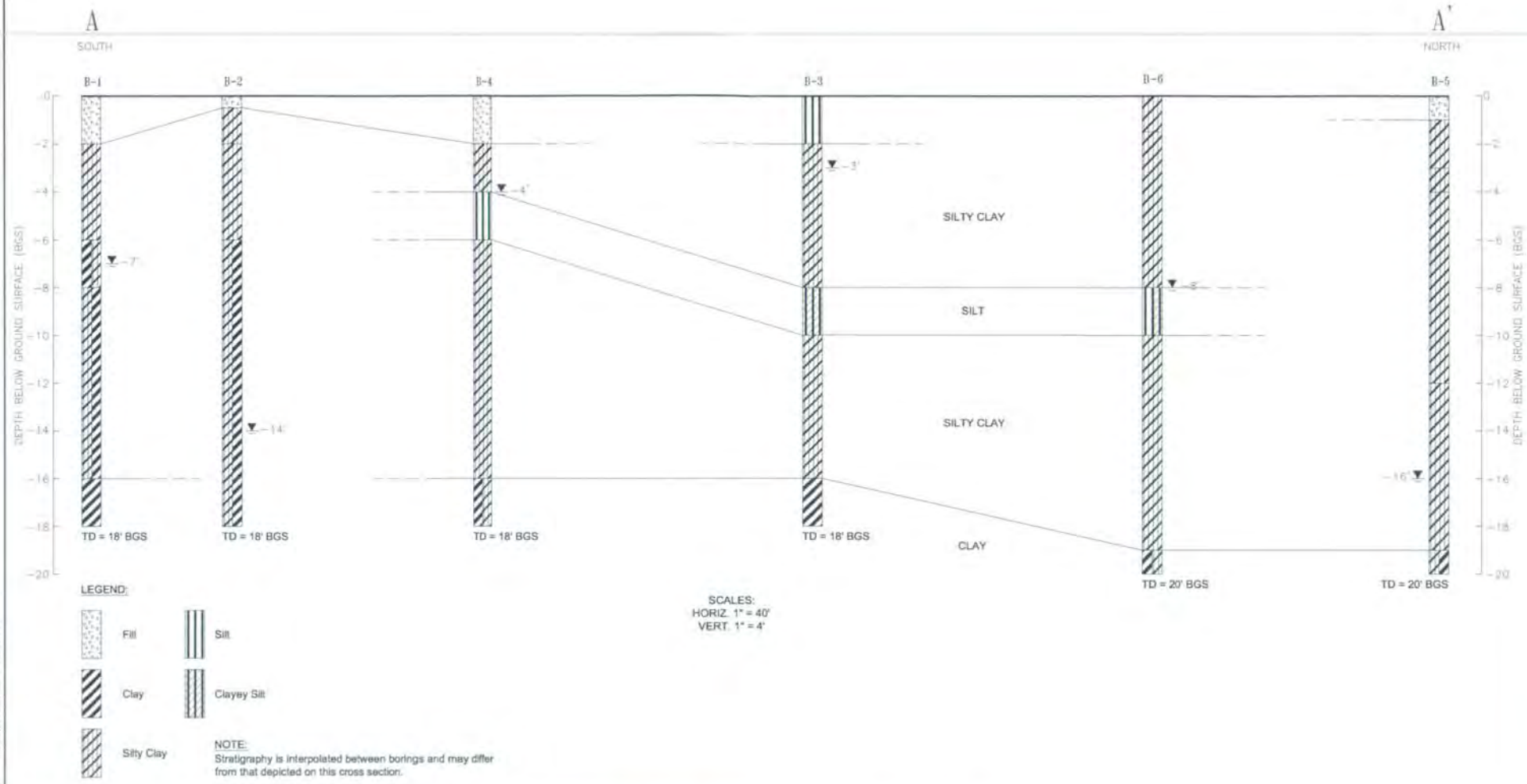
LEGEND

SOIL BORING LOCATIONS

CROSS SECTION TRANSECT

I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-03.DWG (CROSS SECTION LOCATION)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY BATON ROUGE, LOUIAIANA	URS 7389 Florida Blvd., Suite 300 Baton Rouge, Louisiana 70806 225/922-5700		O'BRIEN HOUSE BATON ROUGE, LOUISIANA	PROJ. NO. 19228029
	SCALE: 1" = 50'	DRAWN BY: GT / CHKD. BY: JA	DATE: 07/09/07 / DATE: 07/09/07	CROSS SECTION LOCATION MAP	FIG. NO. 3



LEGEND:

- Fill
- Silt
- Clay
- Clayey Silt
- Silty Clay

NOTE:
Stratigraphy is interpolated between borings and may differ from that depicted on this cross section.

SCALES:
HORIZ. 1" = 40'
VERT. 1" = 4'

REV	DESCRIPTION OF REVISION	BY	DATE
△			
△			
△			
△			
△			
△			

LOUISIANA DEPARTMENT OF
ENVIRONMENTAL QUALITY
BATON ROUGE, LOUISIANA

URS
7389 Florida Blvd., Suite 300
Baton Rouge, Louisiana 70806
225/922-5700

REFERENCE DRAWINGS

O'BRIEN HOUSE
BATON ROUGE, LOUISIANA

TYPICAL CROSS SECTION A-A'

PROJECT 19228029

FIGURE 3A

REFERENCE: INTERSEARCH, INGLEWOOD, COLORADO; 2002 IMAGERY.

LEGEND

SOIL BORING LOCATIONS

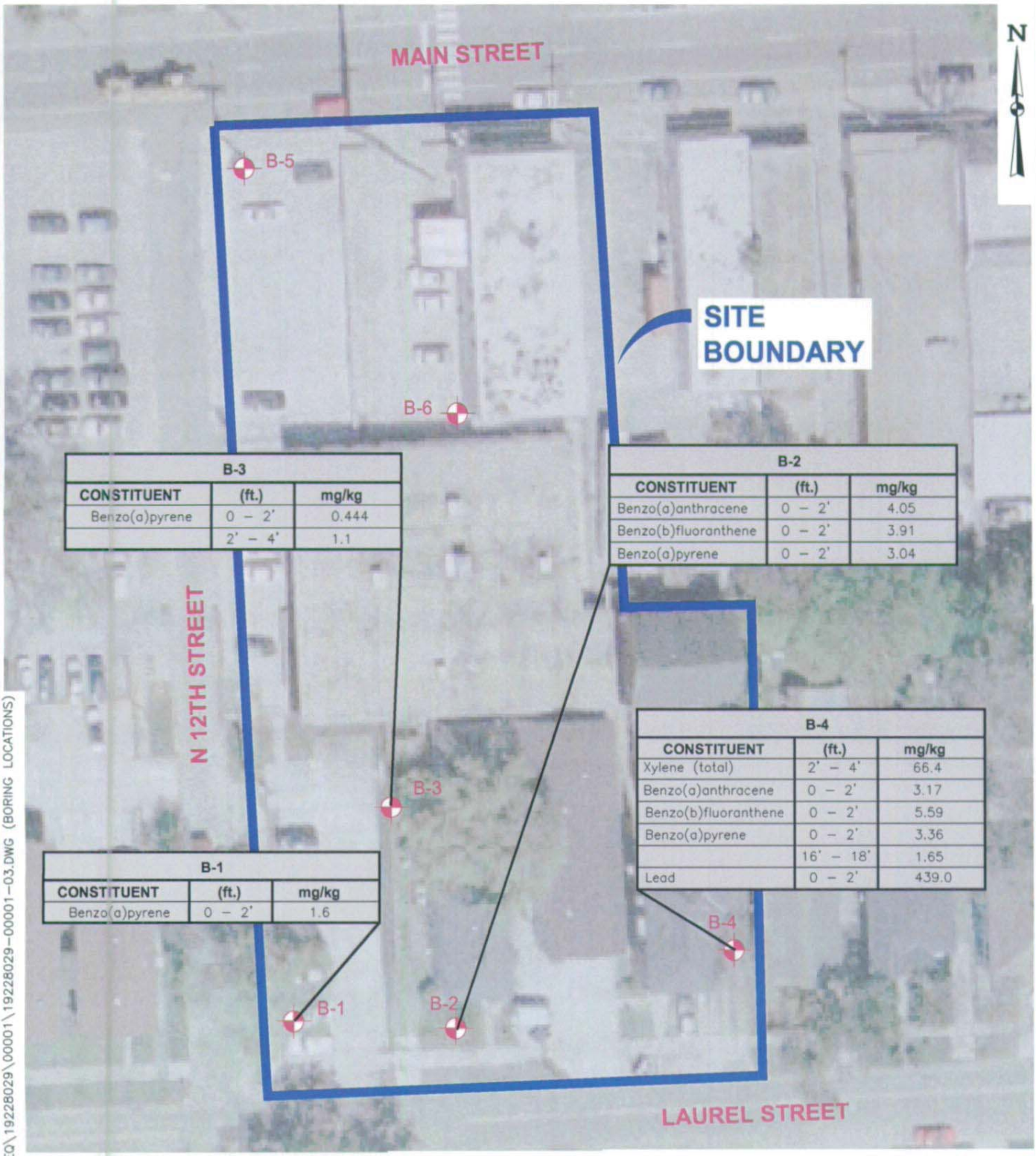
DIRECTION OF GROUNDWATER FLOW

—45— POTENTIOMETRIC CONTOUR LINE

47.3 GROUNDWATER ELEVATION (FT. MSL)

I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-03.DWG (POT MAP)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY BATON ROUGE, LOUIAIANA	URS 7389 Florida Blvd., Suite 300 Baton Rouge, Louisiana 70806 225/922-5700		O'BRIEN HOUSE BATON ROUGE, LOUISIANA	PROJ. NO. 19228029
	SCALE: 1" = 50'	DRAWN BY: GT / CHKD. BY: JA	DATE: 07/09/07 / DATE: 07/09/07	POTENTIOMETRIC MAP	FIG. NO. 4



B-3		
CONSTITUENT	(ft.)	mg/kg
Benzo(a)pyrene	0 – 2'	0.444
	2' – 4'	1.1

B-2		
CONSTITUENT	(ft.)	mg/kg
Benzo(a)anthracene	0 – 2'	4.05
Benzo(b)fluoranthene	0 – 2'	3.91
Benzo(a)pyrene	0 – 2'	3.04

B-4		
CONSTITUENT	(ft.)	mg/kg
Xylene (total)	2' – 4'	66.4
Benzo(a)anthracene	0 – 2'	3.17
Benzo(b)fluoranthene	0 – 2'	5.59
Benzo(a)pyrene	0 – 2'	3.36
	16' – 18'	1.65
Lead	0 – 2'	439.0

B-1		
CONSTITUENT	(ft.)	mg/kg
Benzo(a)pyrene	0 – 2'	1.6

REFERENCE: INTERSEARCH, INGLEWOOD, COLORADO; 2002 IMAGERY.

LEGEND

SOIL BORING LOCATIONS

I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-03.DWG (BORING LOCATIONS)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
BATON ROUGE, LOUIAIANA

URS
7389 Florida Blvd., Suite 300
Baton Rouge, Louisiana 70806
225/922-5700

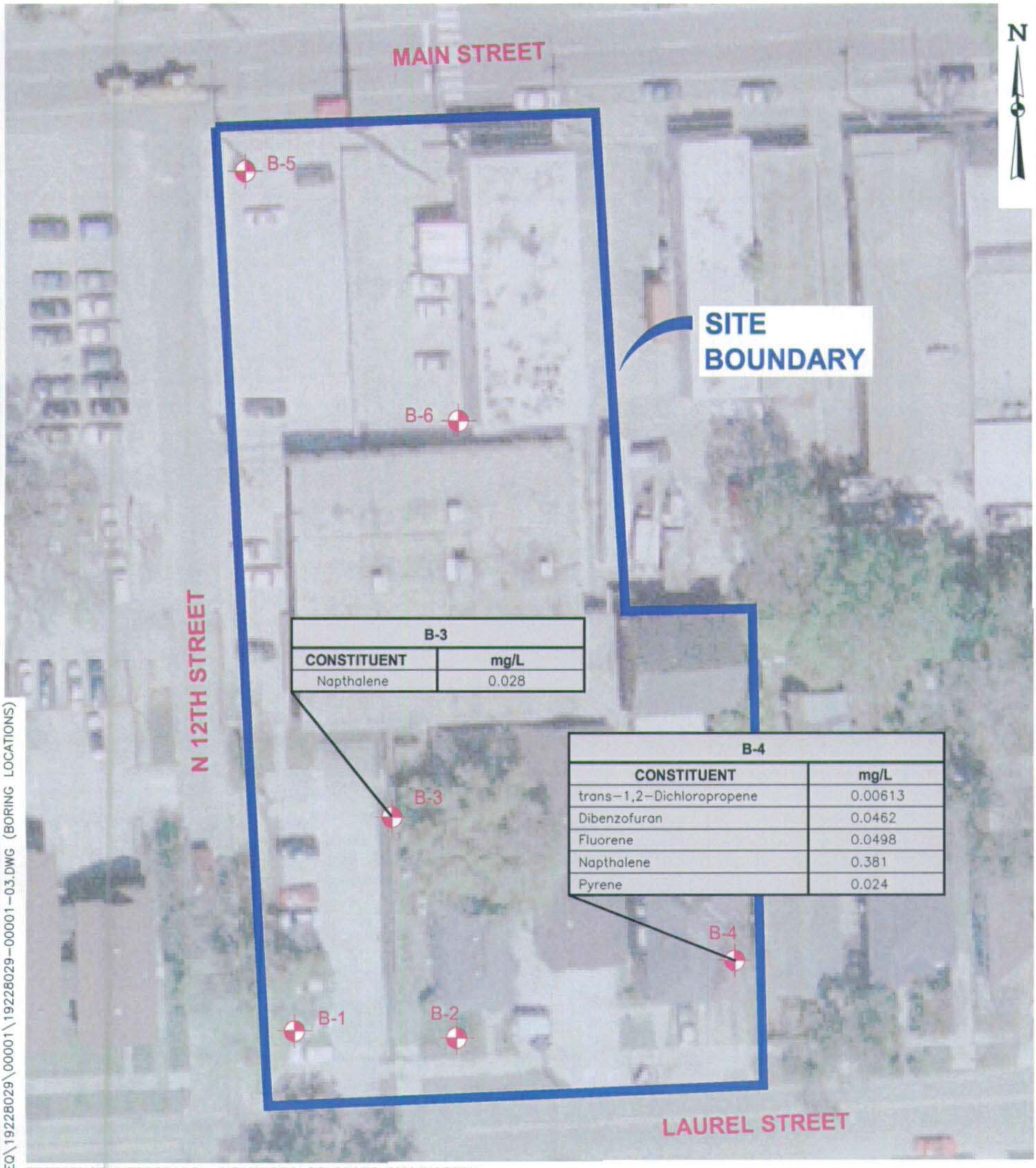
SCALE:	DRAWN BY: GT	DATE: 07/09/07
1" = 50'	CHKD. BY: JA	DATE: 07/09/07

O'BRIEN HOUSE
BATON ROUGE, LOUISIANA

CONSTITUENTS IN SOILS EXCEEDING RECAP SCREENING STANDARDS

PROJ. NO. 19228029

FIG. NO. 5



B-3	
CONSTITUENT	mg/L
Napthalene	0.028

B-4	
CONSTITUENT	mg/L
trans-1,2-Dichloropropene	0.00613
Dibenzofuran	0.0462
Fluorene	0.0498
Napthalene	0.381
Pyrene	0.024

REFERENCE: INTERSEARCH, INGLEWOOD, COLORADO; 2002 IMAGERY.

LEGEND

SOIL BORING LOCATIONS

I:\ONEAL CAD\LDEQ\19228029\00001\19228029-00001-03.DWG (BORING LOCATIONS)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
BATON ROUGE, LOUIAIANA

URS
7389 Florida Blvd., Suite 300
Baton Rouge, Louisiana 70806
225/922-5700

SCALE:	DRAWN BY: GT	DATE: 07/10/07
1" = 50'	CHKD. BY: JA	DATE: 07/10/07

O'BRIEN HOUSE
BATON ROUGE, LOUISIANA

CONSTITUENTS IN GROUNDWATER EXCEEDING RECAP SCREENING STANDARDS

PROJ. NO. 19228029

FIG. NO. 6

APPENDIX A

BORING LOGS

LOG OF BORING B-1

Client LDEQ-O'Brien House Property	**Drill Contractor** Walker-Hill Environmental, Inc.	**Ground Surface Elevation** –
Project Name Phase II Site Investigation	**Drill Method** Geoprobe	**Latitude** 30°27'03" N
Location Baton Rouge, LA	**Drilling Started** 4/2/07 **Ended** 4/2/07	**Longitude** 91°10'39" W
Project Number 19228029.00001	**Logged By** J. Pratt/S. Krul	**Depth To Water** ∇ **ATD** 7 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
	B-1 (0-2)	0915	0.0	24	FILL		Red and gray mottled Silty Clay - FILL with roots, moist	
2					CL		Tan and brown Silty CLAY with some black cinder material, moist	2
		0930	0.0	24				
4								4
		0940	0.0	12			—with silt seams	
6					CH-CL		Light gray and tan CLAY to Silty CLAY	6
	B-1 (6-8)	0947	0.0	24			—wet ∇	
8					CL-CH		Stiff, gray and tan Silty CLAY to CLAY with ferrous nodules and stains	8
		0950	0.0	24				
10								10
		0955	0.0	8				
12								12
		1005	0.0	24				
14								14
		1008	0.0	24				
16					CH		Stiff, brown CLAY	16
	B-1 (16-18)							
18							Total depth of boring at 18' bgs. Set screen 7'-17' bgs.	18

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Remarks: Unified Soil Classification Based on Visual Observations.
ATD = Water depth at time of drilling.
bgs = below ground surface.
msl = mean sea level.
OVM = organic vapor meter.

LOG OF BORING B-2

Client LDEQ-O'Brien House Property
Project Name Phase II Site Investigation
Location Baton Rouge, LA
Project Number 19228029.00001

Drill Contractor Walker-Hill Environmental, Inc.
Drill Method Geoprobe
Drilling Started 4/2/07 **Ended** 4/2/07
Logged By J. Pratt/S. Krul

Ground Surface Elevation –
Latitude 30°27'03" N
Longitude 91°10'39" W
Depth To Water ▽ ATD 14 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
					FILL		Dark brown Silt/Soil - FILL	
	B-2 (0-2)	1225	0.0	14	CL		Tan and brown Silty CLAY with ferrous nodules and cinders	
2							Stiff, tan and light gray Silty CLAY	2
		1230	0.0	12				
4					CL			4
		1235	0.0	12				
6							Very stiff Silty CLAY to CLAY	6
		1240	0.0	16				
8								8
		1250	0.0	24				
10							—with light gray silt pockets	10
		1255	0.0	24				
12					CL-CH		—becoming more silty	12
		1227	0.0	24				
14							—moist at 14' to 15'	▽ 14
	B-2 (14-16)	1300	0.0	24				
16							—tan and light gray in color	16
	B-2 (16-18)	1305	0.0	24				
18							Total depth of boring at 18' bgs. Set screen 8'-18' bgs.	18

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msl = mean sea level.
OVM = organic vapor meter.

LOG OF BORING B-3

Client LDEQ-O'Brien House Property	**Drill Contractor** Walker-Hill Environmental, Inc.	**Ground Surface Elevation** --
Project Name Phase II Site Investigation	**Drill Method** Geoprobe	**Latitude** 30°27'04" N
Location Baton Rouge, LA	**Drilling Started** _____ **Ended** _____	**Longitude** 91°10'39" W
Project Number 19228029.00001	**Logged By** J. Pratt/S. Krul	**Depth To Water** ∇ **ATD** 3 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
							Brown SILT with roots	
	B-3 (0-2)	1515	0.0	16	ML			
2							Brown Silty CLAY, with black gravel and brick pieces	2
	B-3 (2-4)	1520	0.0	10			—wet	∇
4							—with gravel and brick material	4
		1525	0.0	8	CL		—light gray in color, slight odor	
6								6
		1530	0.0	10				
8							Gray and light gray Clayey SILT	8
		1545	0.0	18	MH			
10							Stiff, light gray and tan Silty CLAY with ferrous nodules	10
		1550	0.0	10				
12								12
		1553	0.0	8	CL			
14								14
		1605	0.0	6				
16							Stiff, brown CLAY	16
	B-3 (16-18)	1610	0.0	7	CH			
18							Total depth of boring at 18' bgs. Set screen 3'-18' bgs.	18

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Remarks: Unified Soil Classification Based on Visual Observations.
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bgs = below ground surface.
msl = mean sea level.
OVM = organic vapor meter.

Report: LDEQ_8029 Project File: I:\PROJECTS\GINTW\PROJECTS\19228029_LDEQ.GPJ; B-3 Data Template: LOG A EWNN06.GDT Printed: 8/1/07

LOG OF BORING B-4

Client LDEQ-O'Brien House Property	**Drill Contractor** Walker-Hill Environmental, Inc.	**Ground Surface Elevation** 50 feet msl
Project Name Phase II Site Investigation	**Drill Method** Geoprobe	**Latitude** 30°27'03" N
Location Baton Rouge, LA	**Drilling Started** 4/3/07 **Ended** 4/3/07	**Longitude** 91°10'37" W
Project Number 19228029.00001	**Logged By** J. Pratt/S. Krul	**Depth To Water** ∇ **ATD** 4 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
							Dark brown Silt with gravel - FILL	
	B-4 (0-2)	1310	0.0	24	FILL		---with black ash-like material from 8"-10"	
2							Dark gray Silty CLAY with ferrous stains	2
	B-4 (2-4)	1317	31.3	16	CL			
4							Soft, gray SILT, moist	4
			0.0	12	MH			
6							Stiff, brown and tan Silty CLAY	6
		1320	0.0	15				
8							—very stiff	8
		1325	0.0	10				
10							—with calcareous nodules from 10'-12'	10
		1330	0.0	14	CL			
12								12
		1340	0.0	10				
14								14
		1345	0.0	12				
16							Stiff, brown CLAY to Silty CLAY	16
	B-4 (16-18)	1410	0.0	7	CH-CL			
18							Total depth of boring at 18' bgs. Set screen 3'-18' bgs.	18

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Remarks: Unified Soil Classification Based on Visual Observations.
ATD = Water depth at time of drilling.
bgs = below ground surface.
msl = mean sea level.
OVM = organic vapor meter.

Report: LDEQ_8029 Proj... PROJECTS\DINTWPROJECTS\19228029_LDEQ.GPJ; B-4 Data Template LOG A EWNN06.GDT Printed: 7/9/07

LOG OF BORING B-5

Client LDEQ-O'Brien House Property	**Drill Contractor** Walker-Hill Environmental, Inc.	**Ground Surface Elevation** --
Project Name Phase II Site Investigation	**Drill Method** Geoprobe	**Latitude** 30°27'06" N
Location Baton Rouge, LA	**Drilling Started** 4/3/07 **Ended** 4/3/07	**Longitude** 91°10'39" W
Project Number 19228029.00001	**Logged By** J. Pratt/S. Krul	**Depth To Water** ∇ **ATD** 16 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
					FILL		Soft, brown Silty Clay - FILL	
	B-5 (0-2)	1505	0.0	24	CL		Medium to soft, brown and tan Silty CLAY	
2								2
		1508	0.0	15	CL		Medium, light gray Silty CLAY	
4					CL		Medium to stiff, light gray and tan Silty CLAY with ferrous stains and nodules	4
		1515	0.0	24				
6								6
		1519	0.0	24				
8								8
			0.0	24				
10								10
			0.0					
12					CL		Stiff, tan and light gray Silty CLAY with ferrous nodules	12
		1522	0.0	24				
14								14
		1525	0.0	24				
16							---moist	∇ 16
	B-5 (16-18)	1635	0.0	24				
18								18
	B-5 (18-20)	1640	0.0	22	CL-CH		Very stiff, brown and light gray Silty CLAY to CLAY	
20							Total depth of boring at 20' bgs. Set screen 10'-20' bgs.	20

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Remarks: Unified Soil Classification Based on Visual Observations.
ATD = Water depth at time of drilling.
bgs = below ground surface.
msl = mean sea level.
OVM = organic vapor meter.

Report LDEQ_8029 Project File: I:\PROJECTS\GINTW\PROJECTS\19228029_LDEQ.GPJ, B-4 Data Template:LOG A EWNN05.GDT Printed: 6/1/07

LOG OF BORING B-6

Client LDEQ-O'Brien House Property	**Drill Contractor** Walker-Hill Environmental, Inc.	**Ground Surface Elevation** –
Project Name Phase II Site Investigation	**Drill Method** Geoprobe	**Latitude** 30°27'05" N
Location Baton Rouge, LA	**Drilling Started** _____ **Ended** _____	**Longitude** 91°10'38" W
Project Number 19228029.00001	**Logged By** J. Pratt/S. Krul	**Depth To Water** ∇ ATD 8 feet bgs

DEPTH FEET (bgs)	SAMPLE ID	TIME	OVM (ppm)	RECOVERY (inch)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET (bgs)
	B-6 (0-2)	1220	0.0	24	CL		Soft, brown Silty CLAY	
2					CL		Tan and light gray Silty CLAY with ferrous nodules	2
		1230	0.0	18				
4								4
		1240	0.0	24				
6								6
		1245	0.0	24			—stiff	
8					ML		Soft, light gray SILT to Clayey SILT, moist	∇ 8
	B-6 (8-10)	1255	0.0	24				
10					CL		Stiff, tan and light gay Silty CLAY with ferrous nodules	10
		1300	0.0	24				
12								12
		1305	0.0	24				
14								14
		1310	0.0	24				
16								16
	B-6 (16-18)	1315	0.0	24				
18								18
		1320	0.0	24	CH-CL		Very stiff, brown and light gray CLAY to Clayey SILT	
20							Total depth of boring at 20' bgs. Set screen 8'-18' bgs.	20

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Remarks: Unified Soil Classification Based on Visual Observations.
ATD = Water depth at time of drilling.
bgs = below ground surface.
msl = mean sea level.
OVM = organic vapor meter.

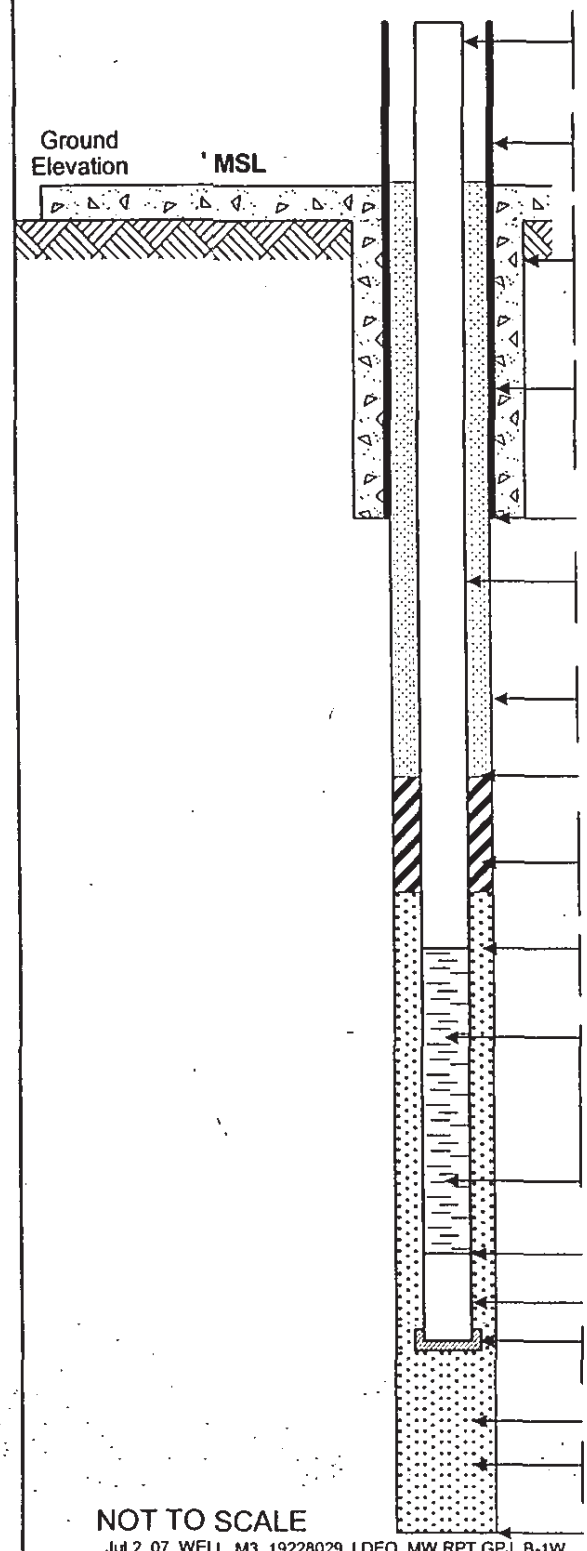
Report LDEQ_8029, Project File: I:\PROJECTS\GINTW\PROJECTS\19228029_LDEQ.GPJ; B-6 Data Template:LOG A EWNN05.GDT Printed: 6/1/07

APPENDIX B

TEMPORARY WELL INSTALLATION REPORTS

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation	Page	1 of 1
LOCATION	Baton Rouge, Louisiana	Well No.	B-1W
PROJECT NO.	19228029.00001	Aquifer	Shallow
Date Completed	4/2/2007 — Original Depth 18.0'	Depth Interval	—
Inspected By	S. Krul/J. Pratt — Date 4/2/2007		



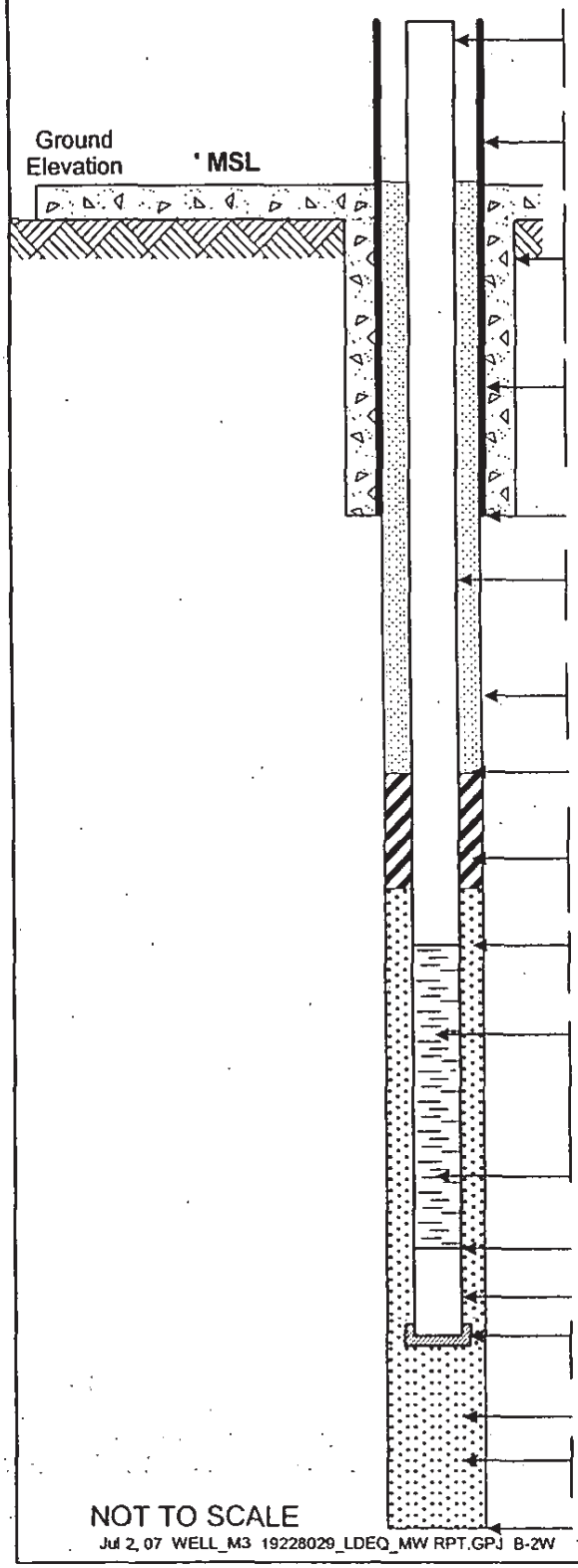
Elevation of top of riser pipe.	50.0
Height of top of surface casing above ground surface.	0.0
Depth of surface seal below ground surface.	2.0'
Type of surface seal: **Portland Cement/Bentonite Grout**	
I.D. of surface casing.	N/A
Type of surface casing: **N/A**	
Depth of surface casing below ground.	N/A
I.D. of riser pipe.	1.0"
Type of riser pipe: **PVC**	
Diameter of borehole.	2.0"
Depth of borehole.	20.0'
Type of backfill: **Grout**	
Depth of top of seal.	2.0'
Type of seal: **Bentonite Pellets**	
Depth of bottom of seal.	4.5'
Type of sand pack: **20-40 Silica Sand**	
Depth of top of sand pack.	4.5'
Depth of top of screened section.	7.0'
Type of screened section: **PVC**	
Describe openings:	
I.D. of screened section.	1.0"
Depth of bottom of screened section.	17.0'
Length of blank section.	1.0'
Depth of bottom of plugged blank section.	0.0
Depth of bottom of sand column.	18.0'
Type of backfill below well pipe: **Sand**	
Depth of hole.	18.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ, B-1W

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation		Page 1 of 1
LOCATION	Baton Rouge, Louisiana		Well No. B-2W
PROJECT NO.	19228029.00001		Aquifer Shallow
Date Completed	4/2/2007	Original Depth 18.0'	Depth Interval
Inspected By	S. Krul/J. Pratt	Date 4/2/2007	



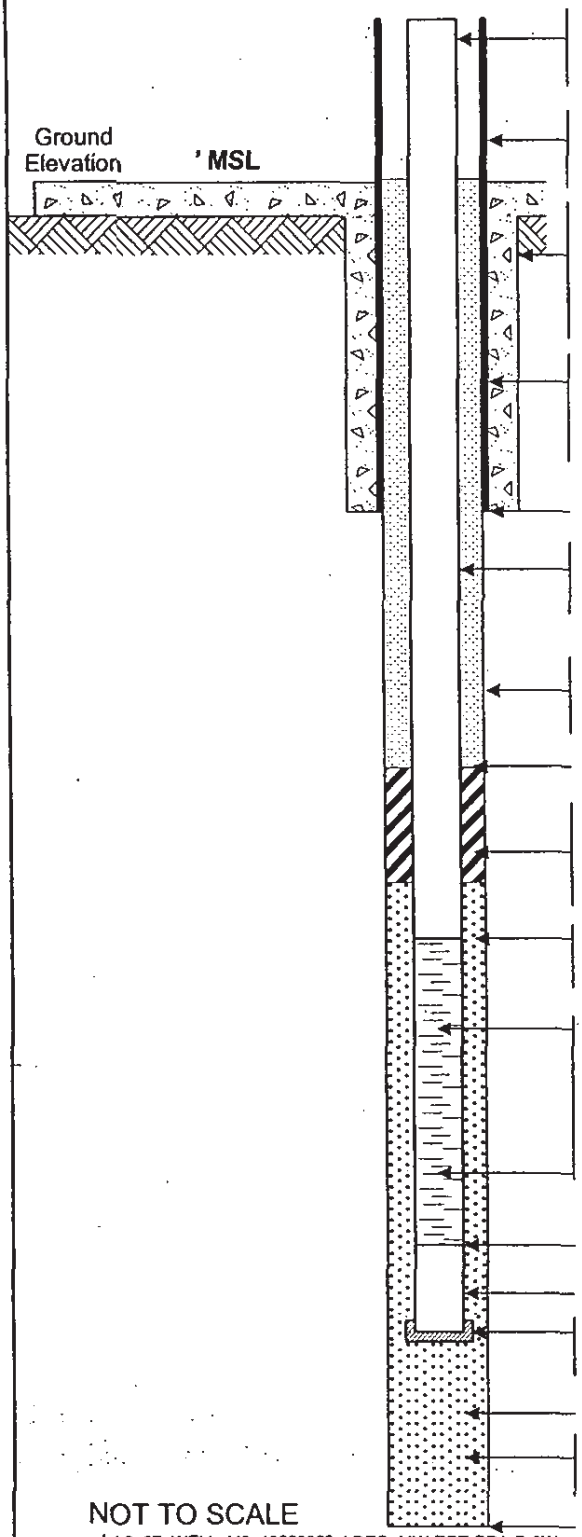
Elevation of top of riser pipe.	51.1
Height of top of surface casing above ground surface.	1.1
Depth of surface seal below ground surface.	4.0'
Type of surface seal: Portland Cement/Bentonite Grout	
I.D. of surface casing.	N/A
Type of surface casing: N/A	
Depth of surface casing below ground.	N/A
I.D. of riser pipe.	1.0"
Type of riser pipe: PVC	
Diameter of borehole.	2.0"
Depth of borehole.	18.0'
Type of backfill:	
Depth of top of seal.	4.0'
Type of seal: Bentonite Pellets	
Depth of bottom of seal.	6.0'
Type of sand pack: 20-40 Silica Sand	
Depth of top of sand pack.	6.0'
Depth of top of screened section.	8.0'
Type of screened section: PVC	
Describe openings:	
I.D. of screened section.	1.0"
Depth of bottom of screened section.	18.0'
Length of blank section.	0.0
Depth of bottom of plugged blank section.	0.0
Depth of bottom of sand column.	18.0'
Type of backfill below well pipe: Sand	
Depth of hole.	18.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ B-2W

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation		Page 1 of 1
LOCATION	Baton Rouge, Louisiana		Well No. B-3W
PROJECT NO.	19228029.00001		Aquifer Shallow
Date Completed	4/2/2007	Original Depth 18.0'	Depth Interval -
Inspected By	S. Krul/J. Pratt	Date 4/2/2007	



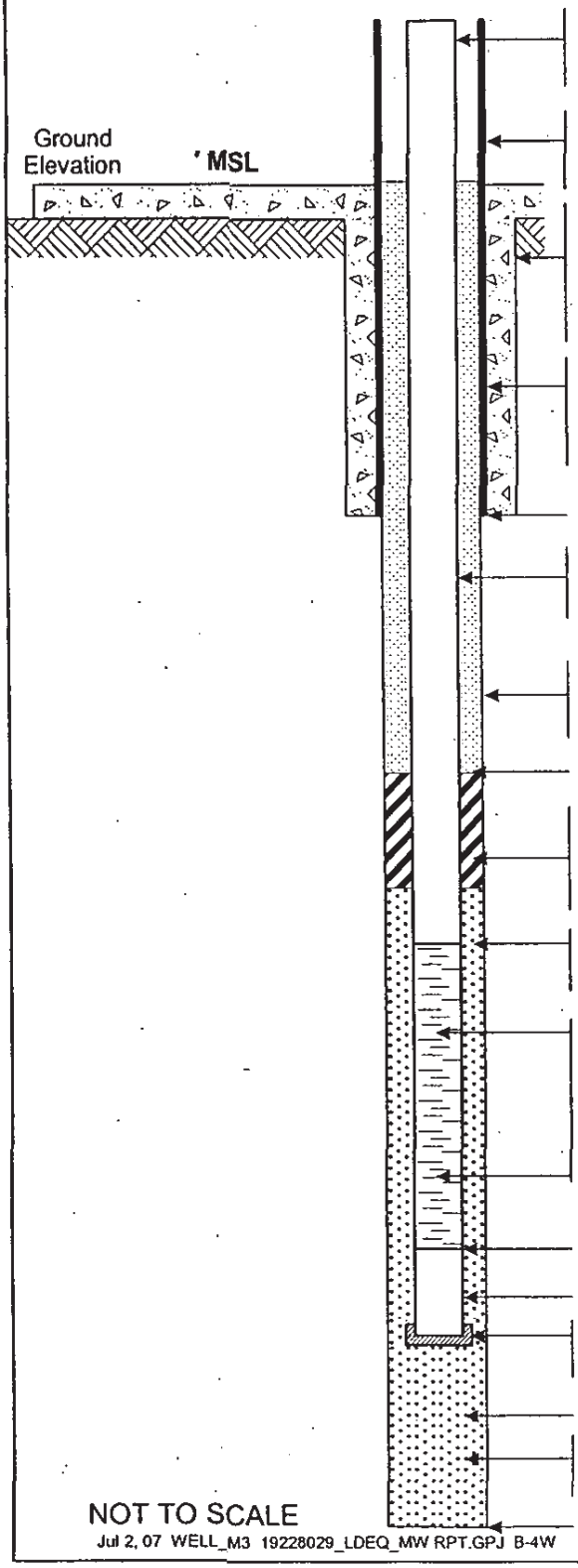
Elevation of top of riser pipe.		50.25
Height of top of surface casing above ground surface.		0.25
Depth of surface seal below ground surface.		N/A
Type of surface seal:	N/A	
I.D. of surface casing.		N/A
Type of surface casing:	N/A	
Depth of surface casing below ground.		N/A
I.D. of riser pipe.		1.0"
Type of riser pipe:	PVC	
Diameter of borehole.		2.0"
Depth of borehole.		18.0'
Type of backfill:		
Depth of top of seal.		0.0
Type of seal:	Bentonite Pellets	
Depth of bottom of seal.		2.0'
Type of sand pack:	20-40 Silica Sand	
Depth of top of sand pack.		2.0'
Depth of top of screened section.		3.0'
Type of screened section:	PVC	
Describe openings:		
I.D. of screened section.		1.0"
Depth of bottom of screened section.		18.0'
Length of blank section.		0.0
Depth of bottom of plugged blank section.		0.0
Depth of bottom of sand column.		18.0'
Type of backfill below well pipe:	Sand	
Depth of hole.		18.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ B-3W

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation		Page 1 of 1
LOCATION	Baton Rouge, Louisiana		Well No. B-4W
PROJECT NO.	19228029.00001		Aquifer Shallow
Date Completed	4/3/2007	Original Depth 18.0'	Depth Interval
Inspected By	S. Krul/J. Pratt	Date 4/3/2007	



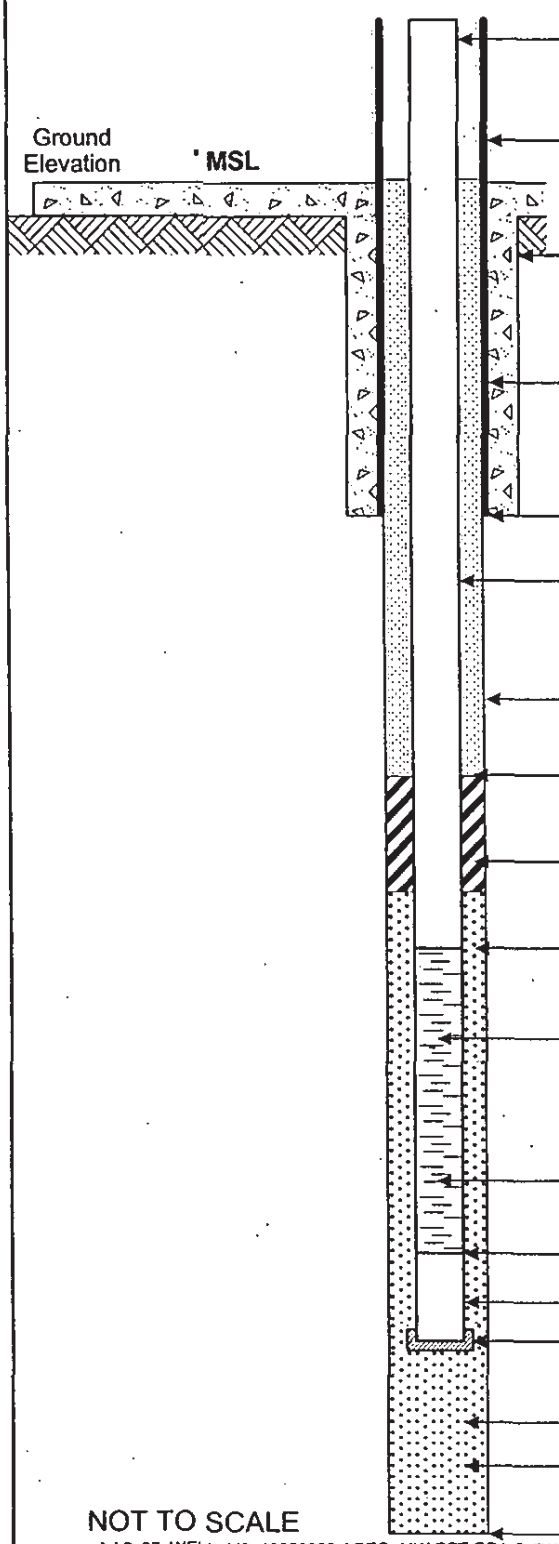
Elevation of top of riser pipe.		50.0
Height of top of surface casing above ground surface.		0.0
Depth of surface seal below ground surface.		N/A
Type of surface seal:	N/A	
I.D. of surface casing.		N/A
Type of surface casing:	N/A	
Depth of surface casing below ground.		N/A
I.D. of riser pipe.		1.0"
Type of riser pipe:	PVC	
Diameter of borehole.		2.0"
Depth of borehole.		18.0'
Type of backfill:		
Depth of top of seal.		0.0
Type of seal:	Bentonite Pellets	
Depth of bottom of seal.		2.0'
Type of sand pack:	20-40 Silica Sand	
Depth of top of sand pack.		2.0'
Depth of top of screened section.		3.0'
Type of screened section:	PVC	
Describe openings:		
I.D. of screened section.		1.0"
Depth of bottom of screened section.		18.0'
Length of blank section.		0.0
Depth of bottom of plugged blank section.		0.0
Depth of bottom of sand column.		18.0'
Type of backfill below well pipe:	Sand	
Depth of hole.		18.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ B-4W

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation		Page 1 of 1
LOCATION	Baton Rouge, Louisiana		Well No. B-5W
PROJECT NO.	19228029.00001		Aquifer Shallow
Date Completed	4/3/2007	Original Depth 20.0'	Depth Interval –
Inspected By	S. Krul/J. Pratt	Date 4/3/2007	



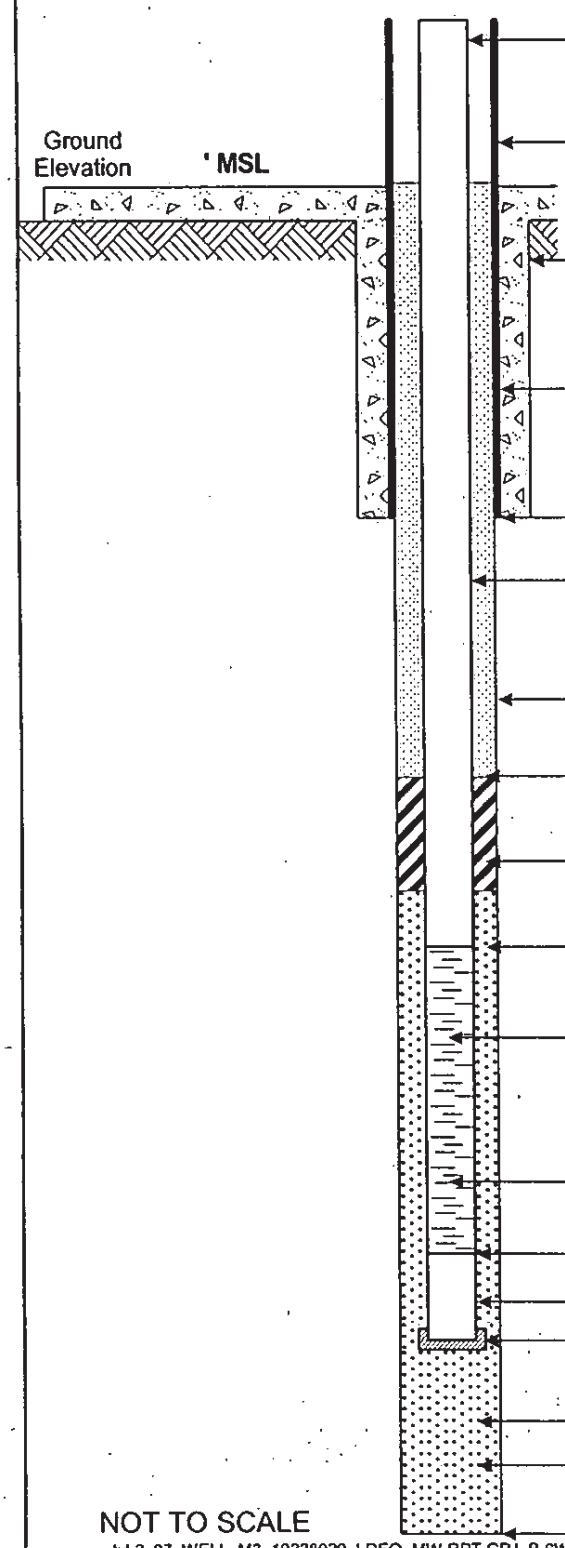
Elevation of top of riser pipe.		50.15
Height of top of surface casing above ground surface.		0.15
Depth of surface seal below ground surface.		0.0
Type of surface seal:	Grout	
I.D. of surface casing.		N/A
Type of surface casing:	N/A	
Depth of surface casing below ground.		N/A
I.D. of riser pipe.		1.0"
Type of riser pipe:	PVC	
Diameter of borehole.		2.0"
Depth of borehole.		20.0'
Type of backfill:	Portland Cement/Bentonite Grout	
Depth of top of seal.		6.0'
Type of seal:	Bentonite Pellets	
Depth of bottom of seal.		8.0'
Type of sand pack:	20-40 Silica Sand	
Depth of top of sand pack.		8.0'
Depth of top of screened section.		10.0'
Type of screened section:	PVC	
Describe openings:		
I.D. of screened section.		1.0"
Depth of bottom of screened section.		20.0'
Length of blank section.		0.0
Depth of bottom of plugged blank section.		0.0
Depth of bottom of sand column.		20.0'
Type of backfill below well pipe:	Sand	
Depth of hole.		20.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ B-5W

MONITOR WELL INSTALLATION REPORT

PROJECT	LDEQ-O'Brien House Property, Phase II Site Investigation		Page 1 of 1
LOCATION	Baton Rouge, Louisiana		Well No. B-6W
PROJECT NO.	19228029.00001		Aquifer Shallow
Date Completed	4/3/2007	Original Depth 20.0'	Depth Interval
Inspected By	S. Krul/J. Pratt	Date 4/3/2007	



Elevation of top of riser pipe.	50.1
Height of top of surface casing above ground surface.	0.1
Depth of surface seal below ground surface.	0.0
Type of surface seal: Portland Cement/Bentonite Grout	
I.D. of surface casing.	N/A
Type of surface casing: N/A	
Depth of surface casing below ground.	N/A
I.D. of riser pipe.	1.0"
Type of riser pipe: PVC	
Diameter of borehole.	2.0"
Depth of borehole.	20.0'
Type of backfill: Grout	
Depth of top of seal.	4.0'
Type of seal: Bentonite Pellets	
Depth of bottom of seal.	6.0'
Type of sand pack: 20-40 Silica Sand	
Depth of top of sand pack.	6.0'
Depth of top of screened section.	8.0'
Type of screened section: PVC	
Describe openings:	
I.D. of screened section.	1.0"
Depth of bottom of screened section.	18.0'
Length of blank section.	0.0
Depth of bottom of plugged blank section.	0.0
Depth of bottom of sand column.	20.0'
Type of backfill below well pipe: Sand	
Depth of hole.	20.0'

NOT TO SCALE

Jul 2, 07 WELL_M3 19228029_LDEQ_MW RPT.GPJ B-6W

APPENDIX C

GROUNDWATER COLLECTION REPORTS

URS

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19228029.00001, O'Brien House LOCATION Baton Rouge, LA
COLLECTOR/OPERATOR S. Krol / J. Pratt WELL NO. B-1W
TYPE OF SAMPLE Water (X) GRAB ( ) COMPOSITE ( ) OTHER –
METHOD OF SAMPLING IF OTHER THAN MONITOR WELL – SHUTTLE NO. –

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 4/3/07 0930 METHOD OF EVACUATION Pump
INITIAL DEPTH TO WATER LEVEL 2.53 TOP OF CASING TO BOTTOM 18.0
GALLONS PER WELL VOLUME _____ TOTAL GALLONS EVACUATED 2.0
FINAL DEPTH TO WATER 15.91 ELEVATION TOP OF CASING 0.0

SAMPLING: DATE/TIME 4/3/07 1130 METHOD OF SAMPLING Pump
DEPTH TO WATER LEVEL 12.25

SAMPLE DATA

FIELD REPLICATE #1	TEMP.	22.8°C	pH	5.99	CONDUCTIVITY	1197
FIELD REPLICATE #2	TEMP.	22.9°	pH	6.56	CONDUCTIVITY	1154
FIELD REPLICATE #3	TEMP.	23.0°	pH	6.67	CONDUCTIVITY	1075
FIELD REPLICATE #4	TEMP.	23.1°	pH	6.57	CONDUCTIVITY	1051

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Partly cloudy + warm ≈ 75°
SAMPLING CHARACTERISTICS Slightly cloudy water
CONTAINERS AND PRESERVATIVES 3-VOC vials, 2 1-liter Amber for SVOC
1 1-liter Plastic for metals
RECOMMENDATION/OBSERVATIONS well went dry after 2.0 gallons
Filtered metals prior to sampling

SAMPLE ID NUMBERS B-1W and B-1WD (Duplicate)

SAMPLING PERSONNEL TIME 0930 TO 1130

(SIGNED) DATE 4/3/07

LOCK OR SEAL NUMBER _____ REPLACEMENT SEAL NUMBER _____

URS

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19228029.00001, O'Brien House LOCATION Baton Rouge, LA
COLLECTOR/OPERATOR S. Krul / J. Pratt WELL NO. B-2W
TYPE OF SAMPLE _____ ( ) GRAB ( ) COMPOSITE ( ) OTHER _____
METHOD OF SAMPLING IF OTHER THAN MONITOR WELL _____ SHUTTLE NO. _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 4/3/07 1000 METHOD OF EVACUATION Pump
INITIAL DEPTH TO WATER LEVEL 83.70 TOP OF CASING TO BOTTOM 18.02
GALLONS PER WELL VOLUME _____ TOTAL GALLONS EVACUATED 1.5
FINAL DEPTH TO WATER 16.85 ELEVATION TOP OF CASING 1.1

SAMPLING: DATE/TIME 4/4/07 0855 METHOD OF SAMPLING Pump
DEPTH TO WATER LEVEL 9.31

SAMPLE DATA

FIELD REPLICATE #1	TEMP.	22.5°C	pH	6.75	CONDUCTIVITY	1255
FIELD REPLICATE #2	TEMP.	22.9°	pH	6.81	CONDUCTIVITY	1270
FIELD REPLICATE #3	TEMP.	22.9°	pH	6.83	CONDUCTIVITY	1282
FIELD REPLICATE #4	TEMP.	—	pH	—	CONDUCTIVITY	—

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Partly cloudy + warm ≈ 75°
SAMPLING CHARACTERISTICS Clear water
CONTAINERS AND PRESERVATIVES 3-VOC vials, 2 1-liter Amber for SVOC
1 1-liter Plastic for metals
RECOMMENDATION/OBSERVATIONS well went dry after 1.5 gallons
Filtered metals prior to sampling

SAMPLE ID NUMBERS B-2W

SAMPLING PERSONNEL TIME 1000 TO 0855

(SIGNED) DATE 4/4/07

LOCK OR SEAL NUMBER _____ REPLACEMENT SEAL NUMBER _____

URS

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19228029.00001, O'Brien House LOCATION Baton Rouge
COLLECTOR/OPERATOR S. Krul / J. Pratt WELL NO. B-3W
TYPE OF SAMPLE Water (X) GRAB ( ) COMPOSITE ( ) OTHER –
METHOD OF SAMPLING IF OTHER THAN MONITOR WELL – SHUTTLE NO. –

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 4/3/07 1015 METHOD OF EVACUATION Pump
INITIAL DEPTH TO WATER LEVEL 2.85 TOP OF CASING TO BOTTOM 18.30
GALLONS PER WELL VOLUME _____ TOTAL GALLONS EVACUATED 3.5
FINAL DEPTH TO WATER 7.17 ELEVATION TOP OF CASING 0.25

SAMPLING: DATE/TIME 4/3/07 1040 METHOD OF SAMPLING Pump
DEPTH TO WATER LEVEL 6.76

SAMPLE DATA

FIELD REPLICATE #1	TEMP.	23.3°C	pH	6.77	CONDUCTIVITY	988.8
FIELD REPLICATE #2	TEMP.	21.7°	pH	6.67	CONDUCTIVITY	942.6
FIELD REPLICATE #3	TEMP.	21.3°	pH	6.68	CONDUCTIVITY	922.7
FIELD REPLICATE #4	TEMP.	–	pH	–	CONDUCTIVITY	–

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING cloudy ≈ 75°
SAMPLING CHARACTERISTICS slightly cloudy water with a slight odor
CONTAINERS AND PRESERVATIVES 3 VOC vials, 2 1-liter Amber for SVOCs
1 1-liter Plastic for metals
RECOMMENDATION/OBSERVATIONS
Filtered metals prior to sampling
collected matrix spike and matrix spike duplicate samples
at this location.
SAMPLE ID NUMBERS B-3W, B-3W MS, B-3W MSD

SAMPLING PERSONNEL TIME 1015 TO 1040

(SIGNED) DATE 4/3/07

LOCK OR SEAL NUMBER _____ REPLACEMENT SEAL NUMBER _____

URS

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19228029.00001 O'Brien House LOCATION Baton Rouge, LA
COLLECTOR/OPERATOR S. Krul / J. Pratt WELL NO. B-4W
TYPE OF SAMPLE Water (X) GRAB ( ) COMPOSITE ( ) OTHER —
METHOD OF SAMPLING IF OTHER THAN MONITOR WELL — SHUTTLE NO. —

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 4/4/07 0945 METHOD OF EVACUATION Pump
INITIAL DEPTH TO WATER LEVEL 1.78 TOP OF CASING TO BOTTOM 18.03
GALLONS PER WELL VOLUME _____ TOTAL GALLONS EVACUATED 3.0 gal
FINAL DEPTH TO WATER 7.72 ELEVATION TOP OF CASING 0.0

SAMPLING: DATE/TIME 4/4/07 1015 METHOD OF SAMPLING Pump
DEPTH TO WATER LEVEL 7.91

SAMPLE DATA

FIELD REPLICATE #1	TEMP.	19.4°C	pH	6.45	CONDUCTIVITY	592
FIELD REPLICATE #2	TEMP.	19.2°	pH	6.69	CONDUCTIVITY	616
FIELD REPLICATE #3	TEMP.	19.2°	pH	6.79	CONDUCTIVITY	816
FIELD REPLICATE #4	TEMP.	19.2°	pH	6.95	CONDUCTIVITY	808

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy + warm ≈ 75°
SAMPLING CHARACTERISTICS Slightly cloudy water
CONTAINERS AND PRESERVATIVES 3-VOC vials, 2 1-liter Amber for SVOC
1 1-liter Plastic for Metals
RECOMMENDATION/OBSERVATIONS
Filtered metals prior to sampling

SAMPLE ID NUMBERS B-4W

SAMPLING PERSONNEL TIME 0945 TO 1015

(SIGNED) DATE 4/4/07

LOCK OR SEAL NUMBER _____ REPLACEMENT SEAL NUMBER _____

URS

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19228029.00001 O'Brien House LOCATION Baton Rouge
COLLECTOR/OPERATOR S. Krul / J. Pratt WELL NO. B-6W
TYPE OF SAMPLE Water (x) GRAB ( ) COMPOSITE ( ) OTHER —
METHOD OF SAMPLING IF OTHER THAN MONITOR WELL — SHUTTLE NO. —

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 4/4/07 1445 METHOD OF EVACUATION Pump
INITIAL DEPTH TO WATER LEVEL 15.0 TOP OF CASING TO BOTTOM 18.05
GALLONS PER WELL VOLUME _____ TOTAL GALLONS EVACUATED _____
FINAL DEPTH TO WATER 17.55 ELEVATION TOP OF CASING 0.1

SAMPLING: DATE/TIME 4/5/07 0915 METHOD OF SAMPLING Pump
DEPTH TO WATER LEVEL _____

SAMPLE DATA

FIELD REPLICATE #1	TEMP.	22.4	pH	6.76	CONDUCTIVITY	190.4
FIELD REPLICATE #2	TEMP.	22.2	pH	7.01	CONDUCTIVITY	1339
FIELD REPLICATE #3	TEMP.	22.1	pH	7.04	CONDUCTIVITY	1296
FIELD REPLICATE #4	TEMP.	—	pH	—	CONDUCTIVITY	—

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING cloudy + cool ≈ 60°
SAMPLING CHARACTERISTICS Slightly cloudy water
CONTAINERS AND PRESERVATIVES 3 - VOC vials, 2 1-liter amber for SVOC, 1 1-liter Plastic for metals.
RECOMMENDATION/OBSERVATIONS well went dry after 0.75 gal. Filtered metals during sampling.

SAMPLE ID NUMBERS B-6W

SAMPLING PERSONNEL _____ (SIGNED)

TIME 1445 TO 0915

DATE 4/5/07

LOCK OR SEAL NUMBER — REPLACEMENT SEAL NUMBER —

APPENDIX D

ANALYTICAL DATA QUALITY ASSURANCE REVIEW

Quality Assurance Data Review for LDEQ Targeted Brownfields Assessments Program – 1200 Main Street, Baton Rouge, Louisiana: Analysis by Pace Analytical Laboratories, Inc. in Saint Rose, Louisiana, Project Nos. 2068139, 2068190, 2068250, and 2068300.

URS performed a quality assurance data review for the samples collected for the LDEQ Targeted Brownfields Assessment Program site investigation of 1200 Main Street, Baton Rouge, Louisiana. All laboratory analyses were performed by Pace Analytical Laboratories, Inc. (Pace) in Saint Rose, Louisiana. The laboratory job numbers assigned for soil boring and groundwater samples are shown below with the date of sample collection:

Date of Sample Collection	Lab Sample Group No.	Number of Soil Samples	Number of Groundwater Samples	Number of Field Quality Control Samples
04/02/07 to 04/05/07	2068	54	18	(Soil, Water) 1,1 DUP; 2,1 MS; 2,1 MSD; 0,4 TB; 0,1 FB; 0,1 RS

MS = Matrix Spike, MSD = Matrix Spike Duplicate, DUP = Duplicate, TB = Trip Blank, FB = Field Blank, RS = Equipment Rinsate

LABORATORY SAMPLE IDENTIFICATION & ANALYSES REQUEST

After sample collection, all samples were submitted to Pace in Saint Rose, Louisiana for analysis. The groundwater and soil samples analyzed for TCL VOA were done so by their respective Method 8260B (and 5035 for soil samples); TCL SVOA by Method 8270C; and TAL metals by Methods 6010C, 9012, and 7000 for soil and water matrices. The following tables summarize the soil, groundwater, and quality control analytical programs conducted for this site investigation.

Sample Analytical Program

SOILS		
Analysis	Samples Analyzed	Borings
VOA	18	1-6
SVOA	18	1-6
Metals	18	1-6
GROUNDWATER		
Analysis	Samples Analyzed	Borings
VOA	5	1,2,3,4,6
SVOA	5	1,2,3,4,6

SOILS		
Analysis	Samples Analyzed	Borings
VOA	18	1-6
SVOA	18	1-6
Metals	18	1-6
GROUNDWATER		
Analysis	Samples Analyzed	Borings
Metals	5	1,2,3,4,6

Quality Control Analytical Program

SOILS		
Analysis	Samples Analyzed	Q/C Samples
VOA	4	MS(2), MSD(2)
SVOA	4	MS(2), MSD(2)
Metal	4	MS(2), MSD(2)

GROUNDWATER		
Analysis	Samples Analyzed	Q/C Samples
VOA	8	MS(1), MSD(1), Trip Blank(4), Field Blank(1), Rinsate(1)
SVOA	3	MS(1), MSD(1), Rinsate(1)
Metals	3	MS(1), MSD(1), Rinsate(1)

Analytical Program Totals

SOILS		
VOA	SVOA	Metals
22	22	22

GROUNDWATER		
VOA	SVOA	Metals
13	8	8

HOLDING TIMES

All TCL VOA soil samples were collected in Encore™ samplers, were extracted within the specified holding time of 48 hours, and were analyzed within the holding time criterion of 14 days. TCL VOA groundwater samples were analyzed within the holding time criterion of 14 days from sample collection for water samples preserved with hydrochloric acid or 7 days if

unpreserved. All TCL SVOA were extracted within the specified holding time of 7 days from sample collection for water matrix or 14 days for soil matrix. SVOA extracts were analyzed within the specified holding time of 40 days from sample extraction. All Metals samples were analyzed within 28 days of sample collection. No data were qualified as estimated or rejected as unusable due to improper sample preservation or exceeded holding times. Complete reports of quality control by project are attached as Appendix F.

BLANKS

All laboratory method blanks and quality control trip blanks or field blanks associated with the sample analyses performed for all sample work orders were free of the target compounds. Complete reports of quality control by project are attached as Appendix F.

SURROGATE SPIKES

All surrogate percent recoveries (%Rs) were within the specified quality control limits for the VOA, SVOA, and TAL Metals analyses with the exception of the surrogate recovery for the soil sample B-4(2-4) which was outside control limits and was attributed to sample dilution, which is not considered an excursion. Complete reports of quality control by project are attached as Appendix F.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATES

The Matrix Spike (MS)/Matrix Spike Duplicates (MSD) %R and RPD values were all within specified quality control limits with the exception of those listed in Laboratory Project Reports for the following projects: 2068139, 2068190, 2068250, and 2068300. Complete reports of quality control by project are attached as Appendix F.

LABORATORY CONTROL SAMPLES

The results for the Laboratory Control Samples (LCSs) and Laboratory Control Sample Duplicates (LCSDs) were all within specified quality control limits. Complete reports of quality control by project are attached as Appendix F.

DUPLICATE SAMPLES

One field sample and field duplicate groundwater sample (Sample ID/Laboratory ID: B-1W/20511783 and B-1WD/20511784) were collected. There are no established precision criteria for field duplicate results. The sample and field duplicate results are in relative agreement when typically demonstrated by a low percent difference. No results were qualified or rejected based upon the field duplicate results. The results of detected concentrations reported in the water matrix sample and the associated field duplicate is attached in Appendix F, Laboratory Project Report 2068190.

OVERALL ASSESSMENT

Acceptable levels of analytical accuracy and precision were achieved except where noted in this report. The above qualifications are based on the detections of the above listed constituents in the analytical method and matrix-specific method blank.

APPENDIX E

GCAL ANALYTICAL LABORATORY DATA REPORTS

(SEE RED ROPES)

Att Peggy Moats 12/20 JD EPA

STATE OF LOUISIANA
HAZARDOUS WASTE DIVISION
OFFICE OF SOLID AND HAZARDOUS WASTE
DEPARTMENT OF ENVIRONMENTAL QUALITY
P. O. BOX 44307 BATON ROUGE, LA 70804

FOR DEPARTMENT USE

LA 4 3 1 1 4 9 7 7 G

Date Received: [illegible]

Date Checked: [illegible]

Checked by: [illegible]

Hazardous Waste Notification Form

☐ HAZARDOUS WASTE ☐ REUSE/RECYCLE

1. NAME OF INSTALLATION: CLARKS ONE HOUR MARTINIZING

2. MAILING ADDRESS: STREET OR P.O. BOX: 3406 DRUSILLA LANE
CITY OR TOWN: BATON ROUGE STATE: LA ZIP CODE: 70809

3. LOCATION: STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: SAME AS ABOVE FIPS PARISH CODE: 033
CITY OR TOWN: STATE: ZIP CODE:

4. CONTACT: NAME & TITLE (last, first, & title): TRACIE CLARK MANAGER PHONE (area code & no.): 504 927 9298

5. OWNERSHIP: NAME: CLARK AND LLOYD ENT INC

6. OPERATOR: NAME OF COMPANY (CONTRACTOR) - IF APPLICABLE: SAME

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 LA. I.D. NO. INSTALLATION'S EPA I.D. NO.

8. TYPE OF OPERATION(S): (Mark all boxes of Item 8 that apply)

☒ A. GENERATOR: This installation has: ☐ on-site hazardous waste disposal. (Complete Item 8-C and Item 9)
☐ on-site reuse/recycle operations. (Complete Item 9)
☒ generator operations only; no on-site disposal. (Proceed to Item 9)

☐ B. TRANSPORTER: Modes of transportation used are:
☐ air ☐ water ☐ highway ☐ rail ☐ other, specify:

☐ C. DISPOSER: 1. Hazardous wastes are accepted:
☐ from other locations of the same company (ownership)
☐ from others on a commercial basis
2. For on-site disposer only: Enter disposer handling codes:

☐ D. USER OF RECYCLABLE MATERIAL FROM OFF-SITE

RECEIVED NOV 19 1985 Dept. of Environmental Quality Hazardous Waste Division

RECEIVED DEC 10 1985 Dept. of Environmental Quality Hazardous Waste Division

9. DESCRIPTION OF HAZARDOUS WASTES (generators only)

GENERATORS must complete all applicable parts of Item 9. Read the detailed instructions carefully before making entries. Guided by the instructions, enter in the appropriate waste category (Item 9 part) the four-digit number for each waste handled at your installation. For parts A, B, C and D complete the adjacent columns opposite each waste number entry to indicate how that particular waste is disposed of and handled. Mark under the appropriate handling code "disposed of" column and list the Disposer Handling Code(s) used in handling that waste on-site. Use additional sheets if necessary and clearly indicate on each sheet the item number part to which it applies.

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES (Category I-A)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

HW-1 (R 7/83)

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES (Category I-B)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)
F002		X	N/A	T63

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

C. COMMERCIAL CHEMICAL PRODUCTS HAZARDOUS WASTES (Category I-C)

WASTE NUMBER	DISPOSED ON SITE	DISPOSED OFF SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF-SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

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	DISPOSER HANDLING CODE(S)

WASTE NUMBER	DISPOSED ON-SITE	DISPOSED OFF SITE	REUSED RECYCLE	DISPOSER HANDLING CODE(S)

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: Jim E. Clark Name and Official Title: President

Company: Orrville Con. Ins. Martinsburg Date Signed: 12/9/85

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.

_____ Facility is out of business. Date of Closure: _____

__X__ Facility no longer offers services which generate, store, treat, transport, or dispose of hazardous waste. Date service discontinued: JAN 2009

_____ 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: DRUSILLA CLEANERS

EPA ID Number: LAD981149776

Physical Address: 3406 DRUSILLA LN; BATON ROUGE, LA 70809

Signature & Date: Darryl Zachary 10/14/09

Print Name & Title: Darryl Zachary 10/14/09

FOR OFFICE USE ONLY					
DIST CA	GEN CEG	TRANS ____	TSD ____	B/B ____	AI 5567

Regs & Certs

Revised 08/2006

LM RCRA Info 10/29/9
✓ TEMPO

PROVIDENCE

March 15, 2013

Mr. Alex Knight
Brokerage/Development
Donnie Jarreau Real Estate, Inc.
10604 Coursey Boulevard
Baton Rouge, LA 70816

Re: Additional Phase II Environmental Site Assessment
Drusilla Shopping Center
Baton Rouge, East Baton Rouge Parish, Louisiana
Providence Project No. 884-001

Dear Mr. Knight:

On behalf of Donnie Jarreau Real Estate, Inc. (Donnie Jarreau), Providence completed a Phase I Environmental Site Assessment (ESA) of the Drusilla Shopping Center in February 2013. The Drusilla Shopping Center is located at 3458 Drusilla Lane in Baton Rouge, East Baton Parish, Louisiana. A site location map is included as **Figure 1.**

Based on the findings of Providence's Phase I ESA dated February 4, 2013, a Phase II ESA of the property was recommended. Providence's Phase II recommendations included the investigation of soil and groundwater at the property as well as an investigation of potential asbestos containing material (ACM) and lead-based paint, as the construction of on-site structures predated 1978.

Providence conducted the Phase II soil and groundwater sampling activities at the Drusilla Shopping Center from February 5 through February 7, 2013 to investigate the recognized environmental conditions and non-scope conclusions identified in the February 2013 Phase I ESA. Soil samples were collected from six locations, and groundwater samples were collected from four locations on the subject property. Boring locations B-1 through B-6 are shown on the attached **Figure 2**. Groundwater was attempted to be collected at all locations, but could not be collected at locations B-4 and B-5 due to lack of groundwater or insufficient groundwater yield.

Based on the historical use of the subject property and the historical uses of the adjoining properties, sample analyses included volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and eight Resource Conservation and Recovery Act (RCRA) metals.

In addition to soil and groundwater sampling and analysis activities at the Drusilla Shopping Center property, Providence also conducted surveys from February 6 through February 8, 2013 to determine whether or not the subject property contained ACM or lead-based paints. Lead-based paint readings were collected of all interior and exterior painted surfaces on the structures located at the site. ACM samples were also collected from various interior ceiling board, insulation, and flooring materials in structures located at the subject property. Lead and asbestos results were provided in the previous letter report dated

February 22, 2013.

The results of the Phase II ESA soil and groundwater sampling activities are summarized in **Tables 1** through **3** and were previously reported via letter dated February 22, 2013. The following conclusions were drawn based on the initial Phase II ESA activities:

- Detected concentrations of trichloroethene exceed the Louisiana Department of Environmental Quality's (LDEQ's) Risk Evaluation/Corrective Action Program (RECAP) Limiting Screening Standards based on industrial land use (LSS_i) in the soil located in the parking lot north of the former Kean's The Cleaner (boring B-2) and in the delivery road north of the former Drusilla Cleaners (boring B-4).
- Detected concentrations of 1,2-dichloroethene (total), cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride exceed the RECAP GW_{SS} in the groundwater located in the parking lot north of the former Kean's The Cleaner (boring B-2). Groundwater was not encountered in the temporary well installed in B-4, north of the former Drusilla Cleaners where soil impacts were identified.
- Detected concentrations of the dry cleaning solvent tetrachloroethene and its breakdown products indicate that impacts have occurred from the previous dry cleaning operations conducted at the site and/or at the adjoining Kean's The Cleaner site.
- Detected concentrations of arsenic, chromium, and lead exceed the RECAP LSS in the groundwater east of the former Drusilla Cleaners (boring B-3), and in the groundwater west of Building 2 (boring B-6).
- Because impacts to soil and groundwater have been identified above LDEQ's RECAP Screening Standards, the reporting requirements of the Louisiana Administrative Code (LAC) at LAC 33:1.3919 and LAC 33:1.3925 should be met. Furthermore, these impacts should be further evaluated and/or remediated, as necessary, under the LDEQ's RECAP or Voluntary Remediation Program (VRP).
- Lead paint was not detected at the subject property for the painted surfaces surveyed.
- ACM was detected in floor tiles and mastic collected from three different locations; therefore, as a best management practice, care should be taken to avoid the creation of potential asbestos fibers during demolition or remodeling activities involving these materials. Any demolition, removal, or remodeling of the identified building materials should be conducted by trained personnel and in accordance with all applicable regulations.

To determine the reasonable costs associated with further evaluation of the site under RECAP and possible corrective actions required, Providence recommended the following additional sampling:

- Installation of up to five delineation borings around boring B-4 for collection of soil and groundwater samples for VOC analysis
- Determine groundwater flow direction using temporary piezometers installed to collect groundwater samples
- Slug test one temporary piezometer to determine site-specific groundwater classification under RECAP

Additional Soil and Groundwater Sampling Activities

A contracted driller advanced four boreholes (B-7 through B-10) using a GeoProbe Macro-Core. The boring locations are indicated on **Figure 2**. Up to four samples were collected from each boring from the following intervals, as applicable:

- Surface soil [0-3 feet below ground surface (bgs)]
- Soil/water interface
- Bottom depth of the boring
- Highest Photoionization Detector (PID) screened interval

Each soil sample was visually classified in accordance with American Society for Testing and Materials (ASTM) Standard D2488 and documented on a field log by an experienced professional using the Unified Soil Classification System. Boring logs are provided in **Appendix A**.

Temporary piezometers with pre-packed well screens were installed in each borehole and allowed to develop overnight. The following day, Providence purged the piezometers and collected groundwater samples. Groundwater samples from the additional borings were analyzed for VOCs. The temporary piezometers and boreholes were properly plugged and abandoned at the completion of field activities.

The additional soil and groundwater analytical results are included in **Tables 1** through **3**. The analytical laboratory reports are included in **Appendix B**.

As shown in **Table 1**, detected concentrations in soils were compared to the LDEQ's RECAP Limiting Screening Standards based on industrial land use (LSS_i). The LSS_i applied were the lower of the Industrial Soil ($Soil_{SSi}$) and the Soil Protective of Groundwater ($Soil_{SSGW}$) Screening Standards provided in Table 1 of RECAP (LDEQ 2003), with the exception that the $Soil_{SSGW}$ was eliminated from consideration for all volatile constituents of concern (COC) except 1,2-dibromo-3-chloropropane and tetrachloroethene based on Synthetic Precipitation Leaching Procedure (SPLP) analyses shown in **Table 2.** (Note: Previous SPLP results indicated tetrachloroethene concentrations in soils were protective of groundwater; however, additional SPLP analyses were required to be conducted based on the additional sampling as maximum detected concentrations are now observed at B-8, and tetrachloroethene concentrations are no longer protective of groundwater.) As shown in **Table 1**, detected concentrations of trichloroethene and tetrachloroethene exceed the LSS_i.

As shown in **Table 2**, detected concentrations of 1,2-dichloroethene (total), cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride, arsenic, chromium, and lead exceed the RECAP Groundwater Screening Standards (GW_{SS}) provided in Table 1 of RECAP (LDEQ 2003) in at least one well sampled.

Based on additional site characterization data collected during the additional Phase II ESA activities, Management Option 1 (MO-1) Limiting RECAP Standards (LRS) were calculated for soil and groundwater as shown in **Tables 4** and **5**, respectively. Supporting documentation for standard calculations is included in **Appendix C**. Indoor and outdoor exposures were evaluated as part of the preliminary MO-1 evaluation, as soils and/or groundwater impacted with VOCs may be present beneath an enclosed structure. Vapor

emissions from soil and groundwater to indoor air cannot be evaluated under the RECAP Screening Option.

MO-1 LRS were calculated based on slug testing conducted on the temporary piezometer installed at B-10, and testing demonstrated that the uppermost water-bearing zone underlying the site is a Groundwater Classification 3 aquifer under RECAP. Slug testing and groundwater classification documentation is provided in **Appendix D**. The nearest downgradient surface water body [i.e. the point of exposure (POE)] was identified to further classify shallow groundwater underlying the site as either a Groundwater Classification 3 Drinking Water (GW_{3DW}) or Non-Drinking Water (GW_{3NDW}) aquifer in accordance with Appendix H of RECAP (LDEQ 2003). Based on the southerly groundwater flow direction depicted on **Figure 3**, the unnamed drainage canal along the southern property boundary was identified as the nearest downgradient surface water body, or the POE. The POE is located in Basin Segment/Subsegment 040201 (Bayou Manchac – From headwaters to Amite River). The Louisiana Surface Water Quality Standards at LAC 33:IX Chapter 11[1] have established the following designated uses for Basin Segment/Subsegment 040201: primary contact recreation, secondary contact recreation, and propagation of fish and wildlife. Basin segment 040201 is not classified as a drinking water supply per LAC 33:IX Chapter 11. Therefore, the groundwater is further classified as a GW_{3NDW} aquifer.

Preliminary MO-1 LRS for surface soils were calculated as the lowest of the following standards provided in Table 2 of RECAP (LDEQ 2003), as applicable, and as shown in **Table 4**:

- Industrial Soil ($Soil_i$), adjusted for additive effects (see **Appendix C**)
- $Soil_{GW3NDW}$, with adjustment for dilution and attenuation (*i.e.* DF3 applied)
- Soil saturation concentration ($Soil_{sat}$), and
- Industrial Vapor Emissions from Soil to Enclosed Structure ($Soil_{esi}$), adjusted for additive effects (see **Appendix C**)

$Soil_{GW3NDW}$ MO-1 RS were multiplied by a DF3 (or DF2 for some COC as noted in Table 4), and identified as adjusted $Soil_{GW3NDW}$ MO-1 RS in **Table 4**. The DF3/DF2 was 111 based on RECAP Appendix H, an average saturated thickness of less than or equal to five feet, and a distance from the point of compliance (POC) to the POE of 751 to 1,000 feet. B-8 was identified as the POC for soils.

Preliminary MO-1 LRS for site groundwater were calculated as the lowest of the following standards provided in Table 3 of RECAP (LDEQ 2003), as applicable, and as shown in **Table 5**:

- GW_{3NDW}, with adjustment for dilution and attenuation (i.e. DF3 applied)
- Industrial Vapor Emissions from Groundwater to Ambient Air (GW_{airi}), adjusted for additive effects, as applicable (see **Appendix C**)
- Industrial Vapor Emissions from Groundwater to Enclosed Structure (GW_{csi}), adjusted for additive effects, as applicable (see **Appendix C**), and
- Water Solubility ($Water_{sol}$)

[1]Louisiana Administrative Code, Title 33, Part IX, Section 1123, Table 3.

GW_{3NDW} MO-1 RS were multiplied by a DF3, and identified as adjusted GW_{3DW} MO-1 RS in **Table 5**. The DF3 was 111 based on RECAP Appendix H, an average saturated thickness of less than or equal to feet, and a distance from the POC (B-8) to the POE of 751 to 1,000 feet.

As shown in **Table 1**, detected concentrations of 1,2-dichloroethene (total), cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride exceed the preliminary MO-1 LRS. Maximum detected concentrations of tetrachloroethene [410 milligrams per kilogram (mg/Kg)] and trichloroethene (9.3 mg/Kg) were observed at B-8, as deep as 14-16 feet bgs. Maximum detected concentrations of 1,2-dichloroethene (total), cis-1,2-dichloroethene, and vinyl chloride were observed at location B-4 (6-8), and exceed vapor emissions to indoor air standards. B-4 was installed within two feet of the shopping center building behind the former Drusilla Cleaners; therefore, COC in soils may be present beneath the building at concentrations exceeding the indoor vapor emissions standard. Furthermore, based on these results, further vertical delineation at B-8 is warranted to determine the depth of impact, as detected concentrations at the base of the borehole exceed the MO-1 LRS applied. Lateral delineation around B-4 and B-8 has been defined to the east, south, and west; however, further delineation to the north of B-8 (near the northern property boundary) is warranted. Impacts to soils at B-2 (14-16) may be a result of contamination from the off-site, former Kean's the Cleaner site located on the adjacent property. Dry cleaning solvents were not detected in soils collected from B-10 advanced in between the former Drusilla Cleaners site and B-2, which suggests the soil impacts at B-2 could potentially have originated from the former Kean's the Cleaner site. Further delineation in this area of the site may also be warranted; however, if impacts are confirmed to be from an off-site source, further delineation and/or evaluation of these impacts should be the responsibility of the adjacent property owner.

As shown in **Table 3**, concentrations in groundwater were less than the respective MO-1 LRS applied with the exception of tetrachloroethene, trichloroethene, and vinyl chloride. Maximum detected concentrations in groundwater were observed at B-8. Maximum detected concentrations of tetrachloroethene, trichloroethene, and vinyl chloride were 100, 15, and 1.2 milligrams per liter (mg/L), respectively. Tetrachloroethene and vinyl chloride concentrations at B-8 exceed industrial vapor emissions in indoor air from groundwater MO-1 RECAP Standards (36 and 0.49 mg/L, respectively). Boring B-8 was installed approximately 25 feet upgradient of the shopping center; therefore, based on the concentrations observed and a southerly groundwater flow direction, the potential exists that concentrations of tetrachloroethene and vinyl chloride in groundwater are present beneath the building at concentrations exceeding the indoor vapor emissions standards. Further delineation of groundwater north of B-8 (near the northern property boundary) is warranted based on these results; however, delineation of groundwater impacts to the south, east, and west is complete.

Conclusions

Based upon the results of the Phase II ESA activities conducted in February 2013, detected concentrations of 1,2-dichloroethene (total) and cis-1,2-dichloroethene in soils, and trichloroethene, tetrachloroethene, and vinyl chloride in both soils and groundwater exceed the preliminary MO-1 LRS calculated. Maximum detected concentrations of tetrachloroethene and trichloroethene were observed in B-8, which was advanced near the northern property boundary. Based on these results, further lateral delineation of COC in soils and groundwater is warranted to the north of B-8. Further vertical delineation of soils near B-8 is also warranted to determine depth of impact. Detected concentrations of the dry cleaning solvent tetrachloroethene and its breakdown products indicate that significant impacts have occurred from the

previous dry cleaning operations conducted at the site at the former Drusilla Cleaners site (now Emerald Cleaners). Soil impacts identified at boring location B-2 may be coming from the off-site, adjacent former Kean's The Cleaner site.

This Additional Phase II ESA report is not intended to meet all requirements of a RECAP MO-1 submittal; however, these calculated standards and a comparison to detected concentrations show that based on the intended future use, the available data, and the site-specific groundwater classification, concentrations in soil and groundwater at the site are not protective of human health and the environment for both indoor and outdoor use at some locations. Impacts to soil and groundwater above RECAP Standards may extend off site across the northern property boundary. Because impacts to soil and groundwater have been identified above LDEQ's RECAP Standards, the reporting requirements of LAC 33:1.3919 and LAC 33:1.3925 should be met. Furthermore, these impacts should be further evaluated and/or remediated, as necessary, under the LDEQ's RECAP or VRP, as site concentrations are not protective of human health and the environment. Based on the maximum detected concentrations observed in both soil and groundwater, the potential for off-site impacts above RECAP Standards, and potentially unsafe vapor emissions concerns, Providence does not feel that site concentrations can be "risked away" under typical RECAP Management Option 2 or 3 scenarios. Remedial action will need to be conducted before site concentrations can be reduced to levels protective of human health and environment. A partial remediation scenario for groundwater under the VRP for a non-responsible party is no longer considered a likely alternative for this site, unless vapor emissions concerns can be alleviated by further sampling (either indoor air sampling or collection of groundwater samples directly beneath the building).

Providence appreciates this opportunity to provide environmental services to Donnie Jarreau. Should you have any questions relative to this document, please contact me at (225) 766-7400.

Sincerely,

Melanie Hanks

Melanie Hanks
Site Evaluation and Remediation Services Manager
Providence Engineering and Environmental Group LLC

Encl: As stated

ENGINEERING
ASSOCIATES, INC.
CONSULTING ENGINEERS
CIVIL • ENVIRONMENTAL • LAND SURVEYING

LDEQ RECEIPT
2014 MAR 28 PM 1:23

March 27, 2014

Project No. 13109
Hand Delivered

Mr. Duane Wilson
Louisiana Department of Environmental Quality
P.O. Box 4314
Baton Rouge, LA 70821-4314

RE: Submittal of Voluntary Remedial Investigation Application, Partial Voluntary Remedial Action Supplemental Application and Risk Assessment/Corrective Action Program (RECAP) Evaluation Report
Drusilla Shopping Center
3458 Drusilla Lane
Monroe, Louisiana
AI No. 5567

Dear Mr. Wilson:

Submitted herewith please find one original and two copies of a completed Voluntary Remedial Investigation Application and an associated Partial Voluntary Remedial Action Supplemental Application for the captioned site. A check in the amount of $500 for the required review fee has also been attached.

In addition to the above information, a copy of the RECAP Evaluation Report for the site has been attached for your review. The RECAP evaluation includes a summary of all assessment activities that have been performed at the site by our office and provides calculated site-specific remedial standards for the site. Also included is a survey map, a map showing boring locations, and a legal description describing the portion of property being entered into the Voluntary Remediation Program. Lastly, three electronic copies of a Phase I Environmental Assessment prepared for the site by a prior site consultant have been attached.

MAR 31 2014

FY2014-2572

Remediation Services Division
Manager: [signature]
Team Leader: [signature]
AI #: 5567
TEMPO Task #:
Desk Copy File Room: [signature]

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We appreciate your assistance in this matter and look forward to receiving your comments regarding the enclosed information. We are also currently preparing a Remedial Action Plan for the site and look forward to discussing details of the plan with you prior to its submittal. Should you have any questions or require additional information, do not hesitate to call.

Sincerely,

ENGINEERING ASSOCIATES, INC.

Shawn Funderburk
Project Manager

Stephen J. Burnham, P.E.
President

c w/encl Mr. Donnie Jarreau, Donnie Jarreau Developments, L.L.C.
Mr. Alex Knight, Donnie Jarreau Developments, L.L.C.
Ms. Laura LeBeouf, Louisiana Department of Environmental Quality

C:\03-14\13109\wilson.032714

Voluntary Remediation Program
Louisiana Department of Environmental Quality

VOLUNTARY REMEDIAL INVESTIGATION APPLICATION

The remedial investigation work plan for this site and the application review fee must be included with this Voluntary Remedial Investigation Application form, as provided in LAC 33:VI.911.A, or this Voluntary Remedial Investigation Application will be considered incomplete and not be accepted for review.

I. Applicant Information		
Section A: Applicant		
Name/ Company Name: Donnie Jarreau Developments, L.L.C.		
Mailing Address: 10604 Coursey Blvd		
City: Baton Rouge	State:LA	Zip Code:70816
Contact Person: Donnie Jarreau		
Phone No:225-753-3573	Fax No:225-753-3572	
Email Address:donnie@donniejarreau.com		
Interest in Property: Prospective Buyer		
Section B: Co-Applicant		
Name/ Company Name: NA		
Mailing Address:		
City:	State:	Zip Code:
Contact Person:		
Phone No:	Fax No:	
Email Address:		
Interest in Property:		
Section C: Co-Applicant		
Name/ Company Name: NA		
Mailing Address:		
City:	State:	Zip Code:
Contact Person:		
Phone No:	Fax No:	
Email Address:		
Interest in Property:		
Section D: Current Property Owner (if different form applicants)		
Name/ Company Name: Garry Lewis Properties		
Mailing Address: 3458 Drusilla Lane, Suite G		
City: Baton Rouge	State:LA	Zip Code:70809
Contact Person:Garry Lewis		
Phone No:225-930-9996	Fax No:NA	
Email Address:NA		

II. Site Information
Agency Interest Number (if exist):5567
Site Name:Drusilla Shopping Center
Parish:East Baton Rouge
Property Size (acres):+/- 2.3
Physical address or direction and distance from nearest intersection:3458 Drusilla Lane, Baton Rouge, LA 70809
Latitude: 30 ° 10 " 25 '
Longitude: 91 ° 22 " 05 '
Section/Township/Range (attach legal property description):Section 100, Township 7S, Range 1E
Adjacent Property Owners (persons listed as owners of the adjacent properties on the rolls of the parish tax assessor as of the date on which the voluntary remediation application is submitted):DiVincenti Plaza to North. Garry Lewis Properties to East, South, and West.
Current Property Use (Describe in detail. Use percentages if more than one use.):Light commercial businesses including the following: Family Dollar Store, Radio Shack, Chase Bank, Darensbourgh Shoe Repair, Movie Store, vacant tenant space, Drusilla Imports, parking lot and China Wok Restaurant. Light commercial businesses comprise approximately 40% of the property while a parking lot comprises the remaining 60%.
Past (historical) Property Use (Describe in detail):Light commercial tenants including a former dry cleaners
Future Property Use (Describe in detail. Use percentages if more than one use.):No changes to the current property use are anticipated with the exception of possible occupant changes in the tenant spaces.
Current Land Use Surrounding Property:Light commercial

Contaminant Type(s) and Affected Media:Trichloroethene and arsenic in soil and 1,1,1,2-Tetrachloroethane, Hexachloroethane, Tetrachloroethene and Trichloroethene in groundwater.

Applicant(s) must also attach to this form all available historical assessment and or investigation information available for the site, including Phase 1 and 2 Assessments, analytical data, etc.

III. Eligibility Information		
Permitted Hazardous Waste Unit(s) on site?	☐ Yes	☒ No
Site Proposed for Listing on the NPL?	☐ Yes	☒ No
Site Listed on the NPL?	☐ Yes	☒ No
Any Pending Federal Environmental Enforcement Actions Associated with the Site?	☐ Yes	☒ No
If yes, explain		
Any portion of the site UST Trust Fund Eligible?	☐ Yes	☒ No
If yes, explain		

IV. Type of Voluntary Remedial Action Proposed
☐ Voluntary Remedial Action
☒ Partial Voluntary Remedial Action (See note below)

If Partial Voluntary Remedial Action is checked, the applicant and co-applicants must each complete and attach a Partial Remedial Action Supplemental Application Form.

V. Certification	
All applicants must certify the following with their signature below:	
I (we) certify that all of the information I (we) have provided in this Voluntary Remedial Investigation Application is true and correct to the best of my information, knowledge, and belief. I (we) understand and agree that I (we) am obligate to update and notify this application if I (we) learn that information that I (we) have provided is misleading or no longer correct. I (we) further certify that I (we) understand I (we) am responsible for and agree to reimburse the Louisiana Department of Environmental Quality for all actual direct costs associated with reasonable and appropriate oversight activities of the Department conducted pursuant to LAC 33:VI. Chapter 9, including, but not limited to, review, supervision, investigation, and monitoring activities.	
Primary Applicant Signature:	Date: 5-25/13
Co-Applicant Signature:	Date:
Co-Applicant Signature:	Date:

Voluntary Remediation Program
Louisiana Department of Environmental Quality

PARTIAL VOLUNTARY REMEDIAL ACTION SUPPLEMENTAL APPLICATION

If a partial remediation is to be performed, one each of this form must be completed by the applicant and by each co-applicant and attached to the Application Form.

I. Applicant Information		
Check One: ☒ Applicant ☐ Co-Applicant		
Name/ Company Name: Donnie Jarreau Developments, L.L.C.		
Agency Interest Number (if one exists): 5567		
Site Name: Drusilla Shopping Center		
Interest in Property:Prospective Purchaser		
II. Answer the following questions by checking the appropriate answer		
Were you a generator who generated a hazardous substance that was disposed of or discharged at the site?	☐ Yes	☒ No
Were you a transporter who disposed of or discharged a hazardous substance or hazardous waste at the site?	☐ Yes	☒ No
Were you a disposer who disposed of or discharged a hazardous substance or hazardous waste at the site?	☐ Yes	☒ No
Did you contract with someone for transportation or disposal at the site?	☐ Yes	☒ No
III. If you are or were an owner or operator of the site subsequent to the disposal of hazardous waste, answer the following questions by checking the appropriate answer		
Were you engaged in the business of generating, transporting, storing, treating, or disposing of a hazardous substance or hazardous waste on or in the site?	☐ Yes	☐ No
Did you knowingly permit any person to make regular use of the property for disposal of waste?	☐ Yes	☐ No
Did you knowingly permit any person to use the site for disposal of a hazardous substance?	☐ Yes	☐ No
Did you know or should you have reasonable known that a hazardous substance was located in or on the site at the time right, title, or interest in the site was first acquired by the person and engaged in conduct associating that person with the discharge or disposal?	☐ Yes	☐ No
Did you take action that significantly contributed to the discharge or disposal after that person knew or reasonable should have known that a hazardous substance was located in or on the site?	☐ Yes	☐ No

NOTE: If "Yes" is answered to any question, applicant is not eligible for a partial remediation.

V. Certification	
All applicants must certify the following with their signature below:	
I (we) certify that all of the information I (we) have provided in this Partial Voluntary Remedial Action Supplemental Application is true and correct to the best of my information, knowledge, and belief. I (we) understand and agree that I (we) am obligate to update and notify this application if I (we) learn that information that I (we) have provided is misleading or no longer correct. I (we) further certify that I (we) understand I (we) am responsible for and agree to reimburse the Louisiana Department of Environmental Quality for all actual direct costs associated with reasonable and appropriate oversight activities of the Department conducted pursuant to LAC 33:VI. Chapter 9, including, but not limited to, review, supervision, investigation, and monitoring activities.	
Applicant Signature:	Date: 3/25/14
Co-Applicant Signature:	Date:

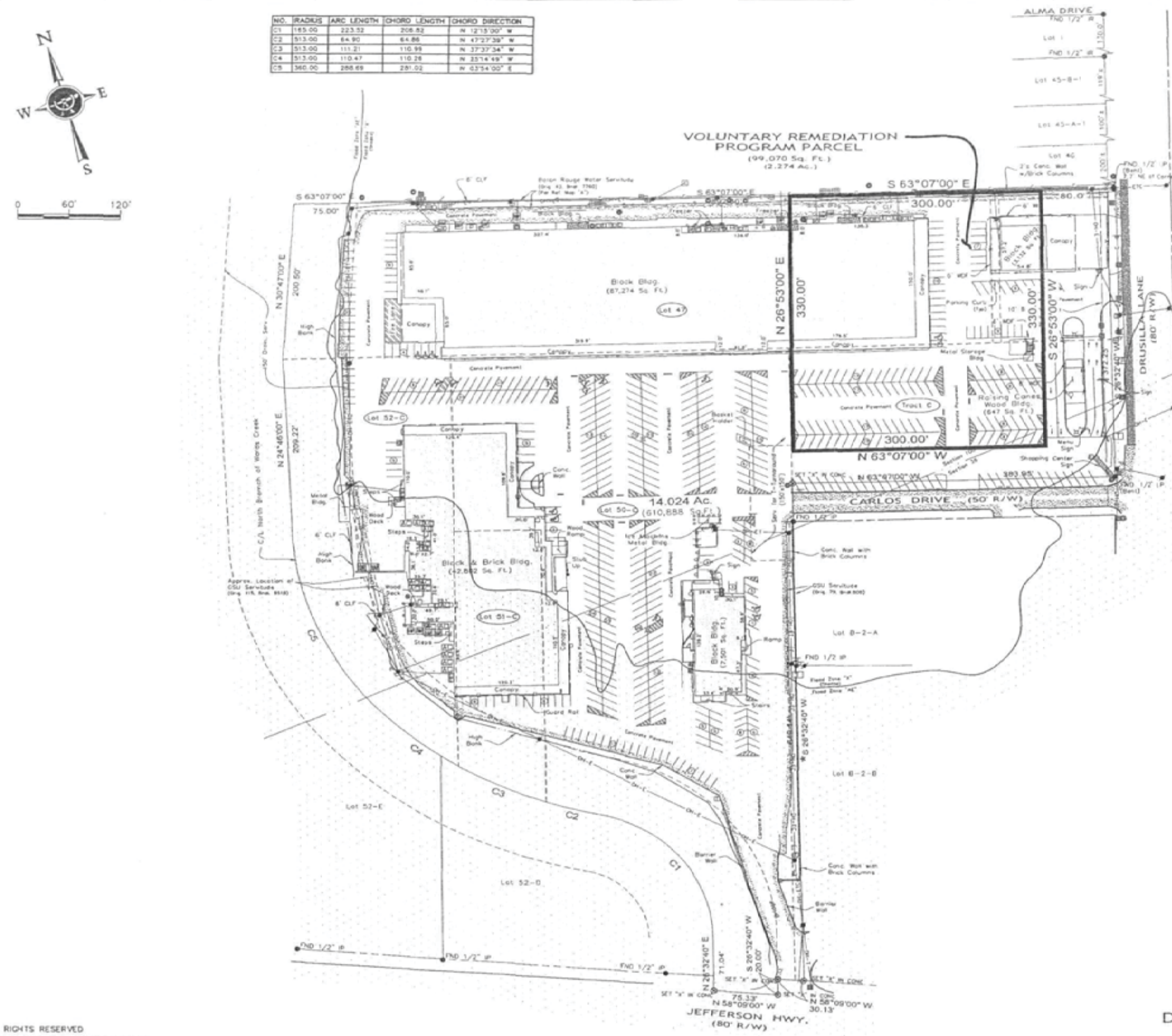
LEGAL DESCRIPTION:

A certain parcel of land, (99,070 Sq. Ft.) (2.274 Ac.), located in Section 100, Township 7 South, Range 1 East, Southeast Land District, East Baton Rouge Parish, Louisiana, said property being more particularly described as follows:

Commence at the intersection of the Westerly Right of Way of Drusilla Lane and the Northerly Right of Way of Carlos Drive; thence, along the Right of way of Drusilla Lane, N 26°32'40" E a distance of 372.25 feet to a point and corner; thence, departing said right-of-way, N 63°07'00" W a distance of 80.00 feet to the POINT OF BEGINNING;

Thence, S 26°53'00" W a distance of 330.00 to a point and turn; thence, N 63°07'00" W a distance of 300.00 feet to a point and turn; thence, N 26°53'00" E a distance of 330.00 feet to a point and turn; thence, S 63°07'00" E a distance of 300.00 feet to the POINT OF BEGINNING

NO.	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION
C1	165.00	223.52	206.82	N 12°15'00" W
C2	513.00	64.90	64.86	N 47°27'39" W
C3	513.00	111.21	110.99	N 37°37'34" W
C4	513.00	110.47	110.26	N 23°14'49" W
C5	360.00	288.69	281.02	N 03°54'00" E



VICINITY MAP
NOT TO SCALE

GENERAL NOTES:

1.) No attempt has been made by LandSource, Inc., to verify title, actual legal ownerships, deed restrictions, servitudes, easements, or other burdens on the property other than that furnished by the client or his representative.

LEGAL DESCRIPTION:

A certain parcel of land, (99,070 Sq. Ft.) (2.274 Ac.), located in Section 100, Township 7 South, Range 1 East, Southeast Land District, East Baton Rouge Parish, Louisiana, said property being more particularly described as follows:

Commence at the intersection of the Westerly Right of Way of Drusilla Lane and the Northerly Right of Way of Carlos Drive; thence, along the Right of way of Drusilla Lane, N 26°32'40" E a distance of 372.25 feet to a point and corner; thence, departing said right-of-way, N 63°07'00" W a distance of 80.00 feet to the POINT OF BEGINNING;

Thence, S 26°53'00" W a distance of 330.00 to a point and turn; thence, N 63°07'00" W a distance of 300.00 feet to a point and turn; thence, N 26°53'00" E a distance of 330.00 feet to a point and turn; thence, S 63°07'00" E a distance of 300.00 feet to the POINT OF BEGINNING

EXHIBIT MAP
OF
VOLUNTARY REMEDIATION
PROGRAM PARCEL
(DRUSILLA SHOPPING CENTER)
BEING A PORTION OF SINGLETARY PLACE
LOCATED IN SECTIONS 39 & 100, T-7-S, R-1-E,
GREENSBURG LAND DISTRICT,
EAST BATON ROUGE PARISH, LOUISIANA
FOR
DONNIE JARREAU DEVELOPMENTS, L.L.C.

DATE: 2-7-2013
JOB # 13-697-01
DWN. BY: C.D.P.
CKD. BY: D.L.P.
SHEET NO: 01
OF: 01

LANDSOURCE
INCORPORATED
A Professional Surveying And Land Information Company
6730 Exchequer Drive
Baton Rouge, LA 70809
website: www.landsource.com
Ph. (225) 752-0995
Fax (225) 752-0997
email: lsi@landsource.com

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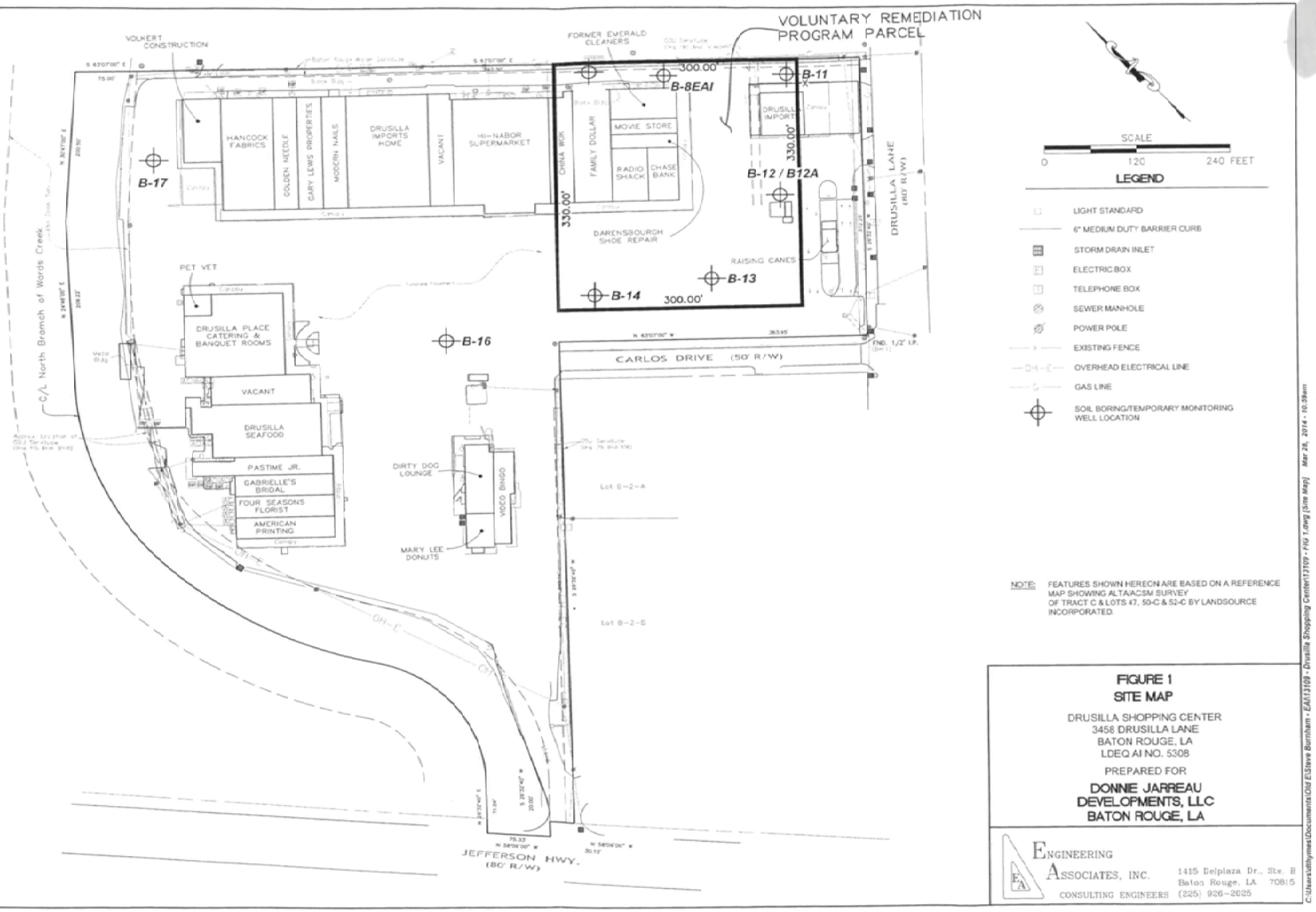
Printed on: Mar 25, 2014 - 4:03pm by cphelps


VOLUNTARY REMEDIATION PROGRAM PARCEL
VOLKERT CONSTRUCTION
FORMER EMERALD CLEANERS
HANCOCK FABRICS
GOLDEN NEEDLE
GARY LEWIS PROPERTIES
MODERN NAILS
DRUSILLA IMPORTS HOME
VACANT
HI-NABOR SUPERMARKET
CHINA WOK
FAMILY DOLLAR
MOVIE STORE
RADIO SHACK
CHASE BANK
DRUSILLA IMPORT
DARENSBOURGH SHOE REPAIR
RAISING CANES
PET VET
DRUSILLA PLACE CATERING & BANQUET ROOMS
VACANT
DRUSILLA SEAFOOD
PASTIME JR.
GABRIELLE'S BRIDAL
FOUR SEASONS FLORIST
AMERICAN PRINTING
DIRTY DOG LOUNGE
VIDEO BINGO
MARY LEE DONUTS
C/L North Branch of Words Creek
CARLOS DRIVE (50' R/W)
DRUSILLA LANE (80' R/W)
JEFFERSON HWY. (80' R/W)
B-8EAI
B-11
B-12 / B12A
B-13
B-14
B-16
B-17
300.00'
330.00'
SCALE
0 120 240 FEET
LEGEND
LIGHT STANDARD
6" MEDIUM DUTY BARRIER CURB
STORM DRAIN INLET
ELECTRIC BOX
TELEPHONE BOX
SEWER MANHOLE
POWER POLE
EXISTING FENCE
OVERHEAD ELECTRICAL LINE
GAS LINE
SOIL BORING/TEMPORARY MONITORING WELL LOCATION
NOTE: FEATURES SHOWN HEREON ARE BASED ON A REFERENCE MAP SHOWING ALTA/ACSM SURVEY OF TRACT C & LOTS 47, 50-C & 52-C BY LANDSOURCE INCORPORATED.
FIGURE 1
SITE MAP
DRUSILLA SHOPPING CENTER
3458 DRUSILLA LANE
BATON ROUGE, LA
LDEQ AI NO. 5308
PREPARED FOR
DONNIE JARREAU DEVELOPMENTS, LLC
BATON ROUGE, LA
ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS
1415 Delplaza Dr., Ste. B
Baton Rouge, LA 70815
(225) 926-2025
DRAWN BY
DRT 3-27-14
CHECKED BY
APPROVED BY
FILE NAME:

RECEIPT OF CHECK

AI Number	**5567**
Company Name	**Engineering Associates, Inc.**
Site Name/	**Drusilla Shopping Center**
Phone	
Date Received	**3/31/14**
Date on Check	**3/27/14**
Check Number	**20076**
Amount Received	$500.00

Check one Media:

☐ Accident Prevention	☐ Ground Water	☐ Radiation
☐ Air Quality	☐ Hazardous Waste	☐ Solid Waste
☐ Air Toxics	X Inactive and Abandoned Sites	Underground Storage Tanks
☐ Asbestos and Lead	☐ Multi-Media	☐ Water Resources

Comments:

VRP application fee

Initials:

vrt

form_5202_r00
08/11/04

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: 5567 INSPECTION DATE: 3/14/17 TIME OF ARRIVAL: 9:00 Am
ALTERNATE ID#: _____ (ID Type/Number) DEPARTURE DATE: 3/14/17 TIME OF DEPARTURE: 10:15 Am
FACILITY NAME: Drusilla Village, L.L.C. PH #: 225-753-3573
LOCATION: 3458 Drusilla Lane Baton Rouge
PARISH NAME: EBR
RECEIVING STREAM (BASIN/SUBSEGMENT): _____
MAILING ADDRESS: 10604 Coursey Blvd. Baton Rouge LA 70816 (Street/P.O. Box) (City) (State) (ZIP)
FACILITY REPRESENTATIVE: Dennis Jarreau TITLE: _____
FACILITY REPRESENTATIVE PHONE NUMBER: Same as above
NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above): _____

INSPECTION TYPE: General Rem. PROGRAM INVOLVED: AIR (WASTE) WATER OTHER Remediation

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

This site visit was to observe the remediation activities (soil excavation) to address soil contamination (to 3 feet below surface) in the boring B-SEAL area near the former dry cleaner building. The excavated soil is being placed in dump truck for disposal at Woodside Landfill. Confirmatory soil samples will be collected and results received before backfilling with clean material will occur. Confirmatory samples will be analyzed for VOCs.

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: SBL

PRINT NAME: Steve Burnham

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): Celeste Bonnecaze CROSS REFERENCE: _____

ATTACHMENTS: _____

REVIEWER: _____

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.

ENGINEERING
ASSOCIATES, INC.
CONSULTING ENGINEERS

RECEIVED
DEQ-OEA
MAY 01 2017
Remediation Division

April 25, 2017

Project No. 13109

Mr. Percy V. Harris, Administrator
Remediation Division
P.O. Box 4314
Baton Rouge, LA 70821-4314

RE: Summary of Remediation Activities
Drusilla Shopping Center
3458 Drusilla Lane
Baton Rouge, LA (East Baton Rouge Parish)
AI No. 5567

Remediation Division
Manager:
Team Leader: Bonnecaze
AI #: 5567
Log# FY2017-2253
TEMPO Task #:
☐ Desk Copy File Room: IAS

Dear Mr. Harris:

Submitted herewith please find three copies of a summary of remediation activities recently performed at the captioned site. This submittal is on behalf of our client, Drusilla Village, L.L.C.

A Voluntary Remedial Action Plan for the captioned site was prepared by our office in April, 2015, as revised in July, 2015. The Plan was approved for implementation through correspondence from the Louisiana Department of Environmental Quality (LDEQ) dated May 31, 2016. Proposed remediation activities included removal and disposal of a relatively small quantity of impacted soil from the site. Implementation of remediation activities was delayed for several months to accommodate several new tenants in Drusilla Shopping Center and in order to coordinate soil excavation activities with planned roadway replacement activities.

The scope of the remediation activities performed at the site, as approved in the July, 2015 Voluntary Remedial Action Plan, included excavation and disposal of soils from a 10' x 10' area to a depth of three feet. The area requiring excavation was located in the vicinity of previously installed boring B-8EAI. The boring and excavation area are shown on the attached Figure 4, as included in the Voluntary Remedial Action Plan. The constituent of concern within the impacted area was limited to trichloroethene.

1415 Delplaza Drive, Ste. B
Baton Rouge, LA 70815

Telephone: 225.926.2025
Facsimile: 225.926.2033

Soil excavation and disposal activities were performed on March 14, 2017. The asphalt pavement over the proposed excavation area was removed from a 12' x 12' area centered over formerly installed boring B-8EAI. Excavated soils beneath the pavement were placed in a dump truck as they were excavated. The 12' x 12' area was excavated to a depth of approximately 3.5 feet. The area of excavation was enlarged slightly (relative to an approved area of 10' x 10') in an attempt to ensure that all impacted soils were removed during the excavation.

Upon completion of excavation activities, soil samples were collected from the bottom of the excavation and from all four sidewalls of the excavation. A photoionization detector (PID) was used to field screen the samples. PID readings ranged from 5.6 ppm in the "Confirmatory Bottom" sample to 38.9 ppm in the "Confirmatory West" sample.

Confirmatory soil samples collected for laboratory analysis included a sample from the bottom center of the excavation (Confirmatory Bottom) and samples from all four sidewalls of the excavation (Confirmatory North, East, South and West). All samples were collected and preserved in accordance with EPA Method 5035 and in accordance with the Sampling and Analysis Plan (SAP) and the Quality Assurance/Quality Control (QA/QC) plan prepared for the site. The health and safety procedures included in the Health and Safety Plan prepared for the site were also adhered to.

QA/QC samples were submitted to the laboratory in accordance with the QA/QC plan. The QA/QC samples included a duplicate sample (Confirmatory Dup Bottom), a trip blank, a field blank, and an MS/MSD sample. All samples were collected in laboratory supplied containers, placed on ice, and submitted to SGS Acutest Laboratories under chain-of-custody documentation. The samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 B.

Laboratory analysis results are provided on the attached laboratory analysis report (Attachment A) and are summarized on the attached Table 1. Only VOC constituents that exhibited constituent concentrations above laboratory detection limits are listed on Table 1.

As shown on Table 1, no constituents in the confirmatory soil samples exceeded Limiting Industrial Soil Remedial Standards (Soil RS) as previously established for the site. The RECAP Table 1 Soil Screening Standards (Soil SS) for tetrachloroethylene, trichloroethylene, and vinyl chloride were exceeded in several of the confirmatory soil samples. As such, filing of a Conveyance Notice documenting the exceedances will be required.

A total of 23.17 tons of soil were excavated from the site. The soil was transported to Waste Management's Woodside Landfill, Walker, Louisiana for disposal. The soils were transported by Kent Environmental, Port Allen, LA. A copy of the associated waste disposal manifest has been provided in Attachment B.

Upon receipt of acceptable laboratory analysis results, the excavation area was backfilled with clean, imported material. The area over the excavation was then paved with concrete. Adjacent areas unrelated to site remediation activities were also paved with concrete. Photographs of the excavation area taken during performance of excavation activities and following replacement of the pavement surface have been provided in Attachment C.

We appreciate your assistance in this matter. Should you have any questions or require additional information, do not hesitate to call.

Sincerely,

ENGINEERING ASSOCIATES, INC.

Stephen J. Burnham, P.E.
President

C w/encl Mr. Donnie Jarreau, Drusilla Village, L.L.C.
Mr. Alex Knight, Drusilla Village, L.L.C.
Ms. Celeste Bonnecaze, Louisiana Department of Environmental Quality

Gilmar Marine Services, Inc.
Preliminary Assessment Report
Baton Rouge, East Baton Rouge Parish, Louisiana

October 2007

Prepared for:
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202

USACE Contract: DACW56-02-G-1001
USACE Task Order No.: 0008
E & E Project No.: 001562.CU08.02.05

Prepared by:
Ecology & Environment, Inc.
Dallas, Texas

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GILMAR MARINE SERVICES, INC.
PRELIMINARY ASSESSMENT REPORT
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA

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ACRONYM LIST

Acronym	Definition
AI	Agency Identification
BGS	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
ft^3/sec	cubic feet per second
E & E	Ecology and Environment, Inc.
ECOS	Environmental Conservation Online System
EDMS	Electronic Document Management System
EPA	United States Environmental Protection Agency
GMS	Gilmar Marine Services, Inc.
LDEQ	Louisiana Department of Environmental Quality
LDNR	Louisiana Department of Natural Resources
LDOTD	Louisiana Department of Transportation and Development
LOSCO	Louisiana Oil Spill Coordinators Office
MRT	Mississippi River Trail
MSL	mean sea level
NRCS	National Resource Conservation Service
NWI	National Wetland Inventory
n.d.	no date
NPL	National Priorities List
NPDES	National Pollutant Discharge Elimination System
NWUDB	National Water Use Database
PA	Preliminary Assessment
ppm	parts per million
WCS	Water Control Section
WSS	Web Soil Survey
USACE	United States Army Corp of Engineers
USCB	United States Census Bureau
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

GILMAR MARINE SERVICES, INC.
PRELIMINARY ASSESSMENT REPORT
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA

1. INTRODUCTION

Ecology and Environment, Inc. (E & E) was tasked by the United States Army Corp of Engineers (USACE) Tulsa District to conduct a Preliminary Assessment (PA) of the former Gilmar Marine Services, Inc. (GMS), barge cleaning and servicing facility (Site), located in East Baton Rouge Parish, Louisiana for the U.S. Environmental Protection Agency (EPA) Region 6 under Contract No. DACW56-02-G-1001.

The specific goals for the GMS Site PA, identified by the EPA, are to:

- Determine the potential threat to public health or the environment posed by the site;
- Determine the potential for a release of hazardous constituents into the environment; and
- Determine the potential for placement of the site on the National Priorities List (NPL).

Completion of the PA included reviewing available site information; collecting information on potential receptors within the target distance limits; determining regional geology, groundwater, surface water, and population characteristics; and conducting a site drive by. This document includes a discussion of site background information (Section 2), a discussion of migration/exposure pathways and potential receptors for groundwater (Section 3), surface water (Section 4), soil and air (Section 5), Summary (Section 6), and a list of references (Section 7).

2. SITE BACKGROUND

2.1 SITE LOCATION

Site Name:	Gilmar Marine Services (GMS)
Agency Interest (AI) Number(s):	AI 8003
Additional Identification:	National Pollution Discharge Elimination System (NPDES) Permit No. LA0045705
Location:	1500 River Road, Baton Rouge, Louisiana, 70802
Latitude:	30˚ 25’ 59” North (N)
Longitude:	91˚ 11’ 34” West (W)
Legal Description:	Batture Lots T, D, C and R, subdivision of the A. Strenzke and E. Witting, subdivision Magnolia, Frontage 874.50 feet on the east side of the Mississippi River, North Line of 493.53 feet, South Line of 436.03 feet, located in Section 052, Township 07 South, Range 12 East, of East Baton Rouge Parish, Louisiana.
Site Owner:	W. W. Minerals, Inc.
Site Contact:	James Ervin, President WW Minerals, Inc. 8126 One Calais Ave., Suite 1C Baton Rouge, LA 70809

2.2 SITE DESCRIPTION/OWNERSHIP

The Site is located near downtown Baton Rouge, East Baton Rouge Parish, Louisiana (Appendix 1). The Site is situated in the batture (the elevated river bed between the Mississippi River Levee system and the river itself). The Site is bordered to the north and south by batture, to the west by the Mississippi River, and to the east by the Mississippi River Levee, River Road, followed by light industrial and commercial property and residential areas (Appendix 2). The Site operated from 1974 to the late-1980s by GMS. The property upon which the Site was located is currently owned and maintained by W. W. Minerals, Inc.

2.3 SITE OPERATIONS AND WASTE CHARACTERISTICS

A review of the documents for AI 8003 filed in the Louisiana Department of Environmental Quality (LDEQ) Electronic Document Management System (EDMS) indicated the GMS operated as a facility for the removal of remaining cargo, cleaning, repair, and/or certification of barges from 1975 to the late 1980's. A table of the documents available for AI 8003 is included in Appendix 7. According to the GMS NPDES permit application, barges were washed with water from the Mississippi River or from Baton Rouge Water Works for cleaning operations (Document 15855341, LDEQ EDMS, no date [n.d.]). Waste wash-fluids were removed from barges that contained residual petroleum products and were transferred to wash receiving tank(s). Fluids from the receiving tank were transferred to an oil-water separator. Separated oil was transferred to storage tank(s) for subsequent disposal. The remaining wash water was transferred to check tanks to ensure oil and grease concentrations were below the stated maximum of 15 parts per million (ppm) prior to discharge to the Mississippi River. The quality check consisted of a visual inspection for an oily sheen and testing the pH to ensure it was between 7.8 and 8.2. The pH was adjusted prior to discharge if necessary. Waste wash fluids from barges containing residual products other than petroleum products, specifically methanol, styrene, toluene, benzene, ethylene dichloride, and/or carbon tetrachloride, were supposedly stripped

directly to storage tanks for subsequent disposal (Document 21720825, LDEQ EDMS, n.d.). The number and size of tanks at the facility, as determined from GMS submitted permits, varied. In their January 1975 NPDES permit, GMS indicated there would be two 12,000 gallon vacuum tanks, one 24,000 gallon wash receiver tank, one 9,000 gallon oil/water separator and four 12,000 gallon storage tanks (Document 15855357, LDEQ EDMS, n.d.). In their Air Emissions permit, approved in February 1975, GMS identified ten storage tanks of unknown size in addition to the oil/water separator. The figures identified the ten tanks as: styrene; toluene/benzene; oils; gas; kerosene/jet fuel; coal tar solutions; ethylene dichloride; carbon tet (tetrachloride); methanol; and slop tank. The Figures or the permit indicated all fluids went through the separator, then through a manifold to the appropriate tank (Document 21720825, LDEQ EDMS, n.d.). Since the facility was located within in the batture, operations at the facility were suspended when/if the Mississippi River stage reached an elevation of 38.5 feet above mean sea level (MSL). The tanks and separation equipment were located in a 120-foot by 220-foot secondary containment area consisting of a 1-foot deep earthen depression. The grade surrounding the secondary containment was at 39 feet above MSL. Between 1997 and 2007, the Mississippi River has flooded the secondary containment and the surrounding area of the batture at least six times, usually 2 to 3 weeks per event (USACE WCS, n.d.).

2.4 PREVIOUS INVESTIGATIONS AND REGULATORY HISTORY

In August of 1975, the Louisiana Stream Control Commission granted a treated waste water discharge permit to GMS, provided these wastes were only associated with oil-barge cleaning operations. All other wastes streams were to be disposed of offsite. (Document 15855129, LDEQ EDMS, n.d.).

In December of 1980, the Louisiana Department of Natural Resources (LDNR) Office of Environmental Affairs issued a Notice of Violation and Compliance Order (Document 15855030, LDEQ EDMS, n.d.). The order stated that on December 18, 19080, subsequent to complaints of strong and objectionable odors in the area, LDNR personnel conducted an inspection of the GMS facility. During the inspection LDNR personnel observed:

- Oil and other chemicals discharging to a drain that flows directly to the Mississippi River;
- Oil and chemical wastes had overflowed directly onto the batture, which would drain into Mississippi River as an unpermitted discharge;
- Evidence on the barge decks indicated oil and chemical wastes had discharged directly into the Mississippi River;
- The holds of the work barge were used to store waste water when the USCG had previously, specifically designated that barge unsuitable for this purpose due to prior collisions;
- Evidence of transfer of ethyl acrylate to storage tanks when GMS facility was never granted a permit to store hazardous materials;
- The GMS waste water treatment system was contaminated by various organic compounds; and
- GMS had constructed and operated equipment, which included but was not limited to steam boilers, for which no air emission permit had been granted.

Subsequent to these findings, the GMS was ordered to:

- Immediately cease all discharge of contaminated wastewater, oil, and chemicals to surface drainage and the Mississippi River, specifically including the discharge location identified in the State Wastewater Discharge Authorization and NPDES Permit No. LA0045705 and all other areas where discharges may occur;
- Immediately initiate clean-up actions to remove and properly dispose of contaminated soils on the batture around the storage tanks and wastewater treatment facility by January 16, 1981 to prevent future contaminated runoff from occurring;
- Install blind flanges on all valves and hoses on the barges and catch basins or sumps on routine connect/disconnect points to contain leaks or spills;
- Repair/install combing and ensure drainage to a sump and collection system to contain all spills and leaks;

- The wastewater treatment system must be cleaned to remove all contaminating chemicals, chemical analysis must be performed to demonstrate removal, and system must be inspected by LDNR Division of Water Control personnel before authorization for future discharges will be granted or considered;
- The Air Quality Division granted a variance to allow GMS to continue operation upon the condition that clean-up procedures have first priority on the site, until January 22, 1981, at which time a revised air emission permit will be considered by the Environmental Control Commission.

On April 7, 1981, GMS submitted an air emissions permit that listed emissions from two boilers and carbon absorber outlet on barges, vent on oil/water separator, and tank vent through carbon filter drum (Document 21720703, LDEQ EDMS, n.d.).

On January 27, 1983, LDNR conducted an inspection to ensure the facility was not discharging per the requirements of their cease and desist order. Their inspection noted NPDES Permit No. LA0045705 was currently cancelled. The inspectors noted the facility was down but would resume operations next week. They also noted that waste water was routed to six tanks (Document 15855249, LDEQ EDMS, n.d.).

On January 4, 1984, LDNR conducted an inspection of the GMS the facility. They noted barges present, but there were no personnel or pumps on barge. Four tanks had contents. They noted the secondary containment seemed inadequate, but did not note any ground contamination (Document 15855248, LDEQ EDMS, n.d.).

In April of 1988, the Louisiana Department of Environmental Quality (LDEQ) Office of Water Resources received information from aerial surveillance that indicated potential leachate was entering the Mississippi River from its east bank, downstream of Interstate 10. A May 10, 1988, inspection located several leachate streams approximately 100 yards from the GMS tanks, but the LDEQ inspector noted these streams are normal as the Mississippi River recedes and ponded water drains through the subsoil. No sheen or volatile emissions were noted. LDEQ stated their intention

to collect samples for analysis of volatile organic compounds if the leachate stream continued, but no such sampling or analysis was noted. The LDEQ inspector noted two "XL" Railroad (RR) car tanks (one ¾ full, one 1/3 full), four "med" RR-car tanks (one ¾ full and rest less full) and one smaller tank (contents not checked). The LDEQ inspector also noted there were no signs of leakage or residual contamination on the ground. Since the site appeared to be inactive, the LDEQ inspector recommended the site be turned over to the LDEQ Inactive and Abandoned Sites program (Document 15855037, LDEQ EDMS, n.d.).

In May of 1995, LDEQ conducted an inspection and noted the tanks and other facility components were not present. A worker at Home Oil (facility located across the street from GMS) stated the GMS facility has not operated for ten years. (Document 21721026, LDEQ EDMS, n.d.).

W. W. Minerals, Inc., purchased the property upon which the GMS facility was located in November of 1984 (Appendix 9). James O. Ervin, president of W. W. Minerals, Inc., stated they have never operated a facility on this property, but they allow a neighboring facility to anchor barges along the property. W. W. Minerals, Inc., hired an environmental contractor to dispose of the contents of the tanks and to scrap the tanks around 1990. Mr. Ervin did not observe and was not aware of any residual contamination stemming from GMS operations, but he has seen local dumping of old white goods and stumps on the property (Appendix 10).

3. GROUNDWATER MIGRATION PATHWAY

3.1 GEOLOGY AND HYDROGEOLOGY

The Site is located in a seasonally flooded palustrine wetland, as defined by the National Wetland Inventory (NWI), that is forested by broad leaf deciduous - woody angiosperms closer to the levee and grades to areas of scrub-shrub, dominated by woody vegetation less than 20 feet tall, and other persistent emergent (erect, rooted, herbaceous hydrophytes) vegetation until it reaches the lower perennial riverine system of the Mississippi River (USFWS NWI, n.d.).

The soils underlying the site consist of: the Convent series soils (35%), which are typified by a silty alluvium; and the Robinsonville series soils (55%), which are typified by a fine sandy, loamy alluvium. These soils were formed as natural levees of the Mississippi River and persist for more than 80 inches before more consolidated sediments are encountered. They form convex slopes and have a moderate to very high capacity to transmit water (0.6 to 6.0 inches per hour) and other surface fluids (USDA NRCS WSS, n.d.). The site is bounded to the east by the Mississippi River levee, which is reworked and contains manually deposited material. These soils are a worked mix of low-permeability, low-shear, compacted soils and additives. Underlying these soils are additional Holocene natural levee deposits characterized by gray and brown silt, silty clay, some very fine sand, and the Prairie Terrace -Loess Pleistocene deposits characterized by tan to reddish brown massive silt with some clay and minor amounts of very fine sand (USGS, 1998).

The Baton Rouge fault, a listric normal fault and part of a regional east-west trending fault zone, traverses east-west immediately south of the site. The Baton Rouge fault is recognized as a major barrier to groundwater flow. Freshwater deep aquifers, primarily the “1500-foot” and “1700-foot” sands of the Southern Hills aquifer system, north of the fault serve most of the area’s the municipal water supply and are in juxtaposition with the Mississippi River Alluvial aquifer system and localized shallow sand aquifers that are used south of the GMS site and the Baton Rouge Fault, (Tomaszewski, 1996).

The Southern Hills aquifer system is composed of Pleistocene aged alluvial and terrace deposits. The sedimentary sequences that make up the aquifer system are subdivided into several aquifer units separated by confining beds. Northward within southeast Louisiana, fewer units are recognized because some younger units pinch out and some clay layers present to the south disappear. Where clay layers are discontinuous or disappear, aquifer units coalesce. The aquifers are moderately well, to well sorted, and consist of fine sand near the top, grading to coarse sand and gravel in lower parts and are generally confined by silt and clay layers. The deposits that constitute the individual aquifers are not readily differentiated at the surface and act as one hydraulic system that can be subdivided into several hydrologic zones in the subsurface. The Mississippi River Valley is entrenched into the Pleistocene strata in the western part of the system, resulting in water movement between the river, the shallow sands, and the Pleistocene aquifers (Buono, 1983). Recharge occurs primarily by the direct infiltration of rainfall in interstream, upland outcrop areas, by the movement of water between aquifers, and between the aquifers and the Mississippi River. The hydraulic conductivity varies between 10-200 feet/day. The maximum depths of occurrence of freshwater in the Southern Hills range from 350 feet above sea level, to 1,100 feet below sea level. The range of thickness of the fresh water interval in the Southern Hills is 50 to 1,100 feet (Boniol, 1989).

The Mississippi River alluvium consists of fining upward sequences of gravel, sand, silt, and clay. The aquifer is poorly to moderately well sorted, with fine-grained to medium-grained sand near the top, grading to coarse sand and gravel in the lower portions. It is confined by layers of silt and clay of varying thicknesses and extent (Smoot, 1989). The Mississippi River Alluvial aquifer consists of two distinct components; valley trains and meander-belt deposits which are closely related hydrologically. The Mississippi River Alluvial aquifer is hydraulically connected with the Mississippi River and its major streams. Recharge is accomplished by direct infiltration of rainfall in the river valley, lateral and upward movement of water from adjacent and underlying aquifers, and overbank stream flooding. The amount of recharge from rainfall depends on the thickness and permeability of the silt and clay layers overlying it. Water levels fluctuate seasonally in response to precipitation trends and river stages. Water levels are generally within 30 to 40 feet of the land

surface and movement is downgradient and toward rivers and streams. Natural discharge occurs by seepage of water into the Mississippi River and its streams, but some water moves into the aquifer when stream stages are above aquifer water levels. The hydraulic conductivity varies between 10-530 feet per day. The maximum depths of occurrence of freshwater in the Mississippi River Alluvial range from 20 feet below sea level, to 500 feet below sea level. The range of thickness of the fresh water interval in the Mississippi River Alluvial is 50 to 500 feet (Boniol, 1989).

3.2 GROUNDWATER RECEPTORS

The Southern Hills aquifer system is the primary aquifer supplying public water for the Baton Rouge area. Most East Baton Rouge Parish and West Baton Rouge Parish withdrawals are from deep aquifers such as the "1500-foot" and "1700-foot" sands which are pumped for 20.97 million gallons per day for public supply. South of the GMS Site and the Baton Rouge Fault, the Mississippi River Alluvial aquifer system and localized shallow sand aquifers are used. Public wells supply 99.3% of the population in East Baton Rouge Parish and 97.8% of the population in West Baton Rouge Parish, with the remainder of water for public consumption coming from domestic water wells. Surface water is not used for public consumption in either parish (USGS NWUDB, n.d.).

Forty (40) public supply and 17 domestic drinking water wells have been identified within a 4-mile radius of the site. In addition to these wells, there are 33 industrial use wells, including two power generating and three rig supply wells, seven irrigation wells, two stock wells, and 46 recovery wells within a 4-mile radius of the site (Appendix 3). The nearest well, located 0.23 mile southeast of the site, is a domestic well that withdraws from the shallow sands of the Baton Rouge area at 280 foot below ground surface (BGS). It is not known if this well is still in use. The next closest wells are two public supply wells, located 1.1 miles to the north, which withdraw from the Southern Hills aquifer at a depth of over 2,200 feet BGS.

3.3 GROUND WATER SUMMARY

The permeable soils below the site would allow contaminants, if present, to flow to local ground water and the convex slopes tend to encourage leaching towards the Mississippi River. Between 1997 and 2007, the Mississippi River has flooded the secondary containment and the surrounding area of the batture at least six times, usually 2 to 3 weeks per event (USACE WCS, n.d.). This flooding would tend to saturate and then flush the soils below the site. Since the site is adjacent to the river and is bounded by the Mississippi River Levee to the east, near surface leachates flow into the Mississippi River. With the exception of the one domestic well 0.23 mile from the site, the potential of groundwater drinking source contamination is low, and based on public drinking water distribution, this well may no be longer used.

4. SURFACE WATER PATHWAY

4.1 HYDROLOGIC SETTING

Drainage from the facility flows west for 195 feet through a NWI defined wetland to the Mississippi River, though this distance varies with the stage of the river. In 2005, the flow rates of the Mississippi River varied between a maximum high of 1,170,000 cubic feet per second (ft^3/sec) in February to a low of 166,000 ft^3/sec in August (USACE WCS, n.d.).

4.2 SURFACE WATER RECEPTORS

Surface water supplies no water for public consumption in either East Baton Rouge Parish or West Baton Rouge Parish, but did account for 22.59% of industrial use, 7.14% of livestock consumption in East Baton Rouge Parish and for 100% of aquaculture use, 33.33% of livestock consumption in West Baton Rouge Parish (USGS NWUDB, n.d). The nearest surface water intake, the Dow Chemical Surface Water Intake, Public Water Supply ID: 2047003, is located 19.3 miles downstream of the site (Louisiana Oil Spill Coordinators Office [LOSCO], 1999).

The Mississippi River is primarily used for transportation in the vicinity of the Site, though some recreational fishing may occur along its banks. The river currents are typically too swift for recreational watercraft. As previously stated, the site is located in a seasonally flooded palustrine wetland, as defined by the NWI, within the batture of the Mississippi River. There are 10,646 acres of NWI defined wetlands, including the permanently flooded riverine unconsolidated bottom of the Mississippi River, within 15 miles downstream of the site (USFWS NWI, n.d.). Threatened and endangered species potentially located within East Baton Rouge and West Baton Rouge Parishes include the: Bald Eagle (*Haliaeetus leucocephalus*); West Indian Manatee (*Trichechus manatus*); Inflated Heelsplitter Mussel *(Potamilus inflatus)*; Gulf Sturgeon (*Acipenser oxyrinchus desotoi*); and Pallid sturgeon (*Scaphirhynchus albus*). There are no

identified critical species habitats located within a 20-mile radius of the site (USFWS Environmental Conservation Online System [ECOS], n.d.).

4.3 SURFACE WATER SUMMARY

The NWI wetlands in and around the site show no signs of stressed vegetation. A LDEQ investigation of several leachate streams approximately 100 yards from the GMS tanks in 1998 did not detect any volatile organic emissions or sheen in the streams and noted these streams are normal as the Mississippi River recedes and ponded water drains through the subsoil (Document 15855037, LDEQ EDMS, n.d.). There are no drinking water intakes within 15 miles downstream of the site. There are numerous wetlands along the Mississippi River, and five federally designated threatened and endangered species are found in East Baton Rouge Parish and West Baton Rouge Parish. Primary targets include the fishery in the Mississippi River, the wetlands associated with the Mississippi River, and the habitats of threatened and endangered species in East Baton Rouge Parish and West Baton Rouge Parish, which may also be associated with the Mississippi River.

5. SOIL EXPOSURE AND AIR PATHWAYS

5.1 PHYSICAL CONDITIONS

As previously noted, the documented air emission point sources at the GMS facility, specifically the two boilers and carbon absorber outlet on barges, the vents on the oil/water separator, vacuum tanks and storage tanks, do not appear to be present at the facility. Odor complaints were made during GMS facility operations between 1980 and 1983, but there have been no documented complaints or investigations involving the site since that time. The current property owner had the tanks and equipment, along with any residual contents, disposed of in 1990. Aerial photographs (Appendix 2) and photographs taken at the perimeter of the facility (Appendix 6) confirm that the tanks and larger components have been removed and the reported former location of the tanks and secondary containment was overgrown with woody vegetation. Sampling and analysis would be required to determine the presence of residual subsurface contamination, but there is no stressed vegetation, discoloration or sheen on site waters, or other environmental indicators that would indicate the presence of significant pollution point sources.

5.2 SOIL AND AIR RECEPTORS

The 2006 population estimate from the United States Census Bureau (USCB) is 411,417 for East Baton Rouge Parish and 22,463 for West Baton Rouge Parish. The population within a four-mile radius of the facility, as determined from the USCB 2000 (USCB, n.d.), is presented in Table 5-1.

Table 5-1

Population and Wetlands within the Four-Mile Radius of Facility		
Distance Ring (Miles)	**Population[1]**	**Wetlands Acreage[2]**
On Site	0	7.1
0.00 – 0.25	0	80.2
0.25 - 0.50	777	198.6
0.50-1.0	5,565	451.7
1.0 - 2.0	23,268	1213.2
2.0 - 3.0	28,052	1,655.3
3.0 - 4.0	32,963	2,297.0
Total 0.0-4.0	**90,625**	**5,963.1**

1) USCB 2000 Census as determined via Landview 5

2) Includes riverine, permanently flooded wetlands

Source: Ecology & Environment, inc. 2007

The Mississippi River Trail (MRT) public bike path is present atop the levee along the east boundary of the property. There is no fence or other barriers to public access. Commercial properties, specifically Home Oil Company, the Baton Rouge Warehouse (owned by Garig Warehouse, Inc.), and a parking lot are located approximately 600 feet east of the site. An East Baton Rouge Parish Housing Authority Apartment complex is located approximately 1,400 feet northeast of the site. A hotel and shopping center are located approximately 1,100 feet east of the site. The nearest residences are located approximately 1,400 feet southeast of the site. The nearest school, the McKinley Middle Magnet School, is located 0.85 mile east of the site. The site has occasionally been used by locals for illegal dumping of non-hazardous solid waste and recreational fishing from the banks of the Mississippi River occurs in this area.

5.3 SOIL EXPOSURE AND AIR PATHWAY SUMMARY

With the exception of dirt and shell/limestone covered access roads, the site is heavily vegetated. The vegetated cover would limit the potential for release of particulate material to the air, but would not restrict the release of subsurface gasses, if present. During the perimeter survey, no odors were detected and there was no indication of blowing dust or soil.

6. CONCLUSIONS

The GMS site is situated in a light commercial/residential neighborhood in Baton Rouge, East Baton Rouge Parish, Louisiana. GMS operated a barge cleaning operation from 1974 to 1984. Waste wash-fluids were transferred to receiving tank(s). Oily fluids were transferred to an oil-water separator and water was discharged to the Mississippi River under NPDES Permit No. LA0045705 . Oil and waste wash fluids containing methanol, styrene, toluene, benzene, ethylene dichloride, and/or carbon tetrachloride were supposedly transferred to storage tanks for subsequent disposal. In December of 1980, LDNR Office of Environmental Affairs issued a violation, citing GMS for contamination of the separator by non-oily wastes and releases of wastes to the batture and Mississippi River. NPDES Permit No. LA0045705 was cancelled and never reinstated. LDNR/LDEQ inspections conducted in 1983, 1984, and 1988 noted contents in the tanks with no leakage or ground contamination. The primary pollution point sources, the tanks and their contents, were removed 1990.

The presence of any residual subsurface contamination and the status of the drain used in conjunction with the NPDES permit are unknown. The lack of stressed vegetation on the site and the lack of sheen and/or discoloration of surface and subsurface (leachate) drainage from the site indicated significant secondary pollution point sources are not present, but soil and water sample analysis would be required to confirm the lack of contamination.

If significant pollution point sources consisting of oil and the volatile organic compounds handled by this facility are present, the surface water has the highest potential for contamination, via surface drainage through the NWI defined wetlands and subsurface drainage though the highly permeable soils. This would pose a threat to the environment and to human targets through food chain contamination. With the exception of the one domestic well 0.23 mile from the site, the potential of groundwater drinking source contamination is low, and based on the public drinking water distribution; this well is probably no longer used. No release to the air is suspected due to the heavily vegetated cover and the lack of any odors or blowing particulates during the site

reconnaissance. The likelihood of human exposure to contaminated soil is unknown, but since there are no restrictions to access to the site and recreational fishing from the banks of the Mississippi River occurs in this area, incidental exposure would be possible if secondary potential pollution point sources are present.

7. REFERENCES

7.1 PUBLISHED REFERENCES

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7.2 ONLINE REFERENCES

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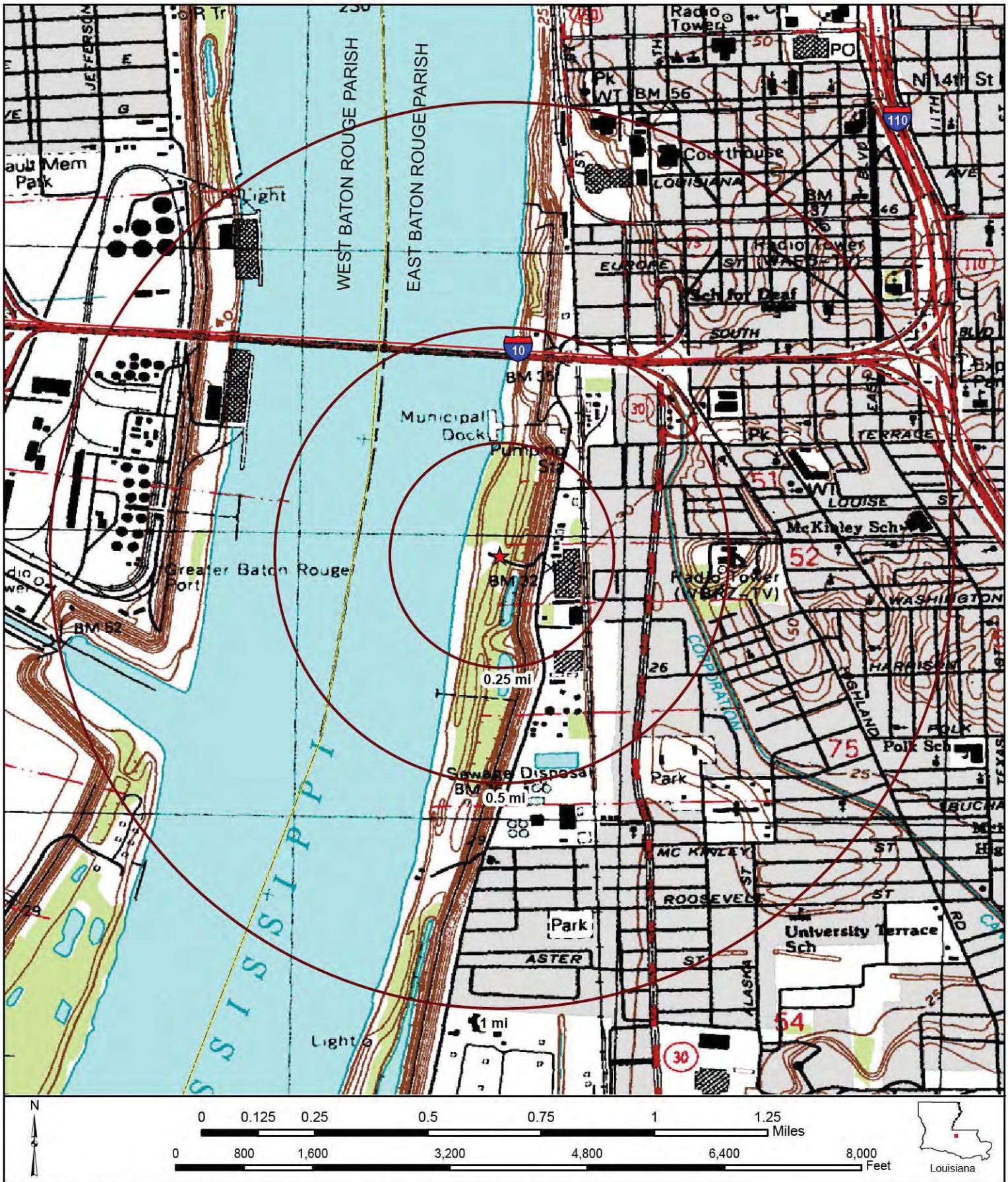
USFWS Environmental Conservation Online System (ECOS) http://ecos.fws.gov/ecos_public/index.do

USGS National Water Use Database (NWUDB), no date, *Estimated Use of Water in the United States County-Level Data for 2000.* http://water.usgs.gov/watuse/data/2000/index.html

APPENDIX 1

SITE LOCATION MAP



SOURCE: U.S.G.S 7.5 MINUTE TOPOGRAPHIC QUADRANGLE - BATON ROUGE WEST, LOUISIANA

ecology and environment, inc.
International Specialists in the Environment

SITE LOCATION MAP
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

File Name: gilmar_ra.mxd	Date: 04/27/2007

APPENDIX 2

SITE AERIAL

N

0 0.05 0.1 0.2 0.3 0.4 0.5 Miles

0 375 750 1,500 2,250 3,000 3,750 Feet

Louisiana

SOURCE: 1998 DIGITALLY ORTHORECTIFIED PHOTOGRAPH OF SW QUARTER U.S.G.S 7.5 MINUTE QUADRANGLE - BATON ROUGE WEST, LOUISIANA

ecology and environment, inc.
International Specialists in the Environment

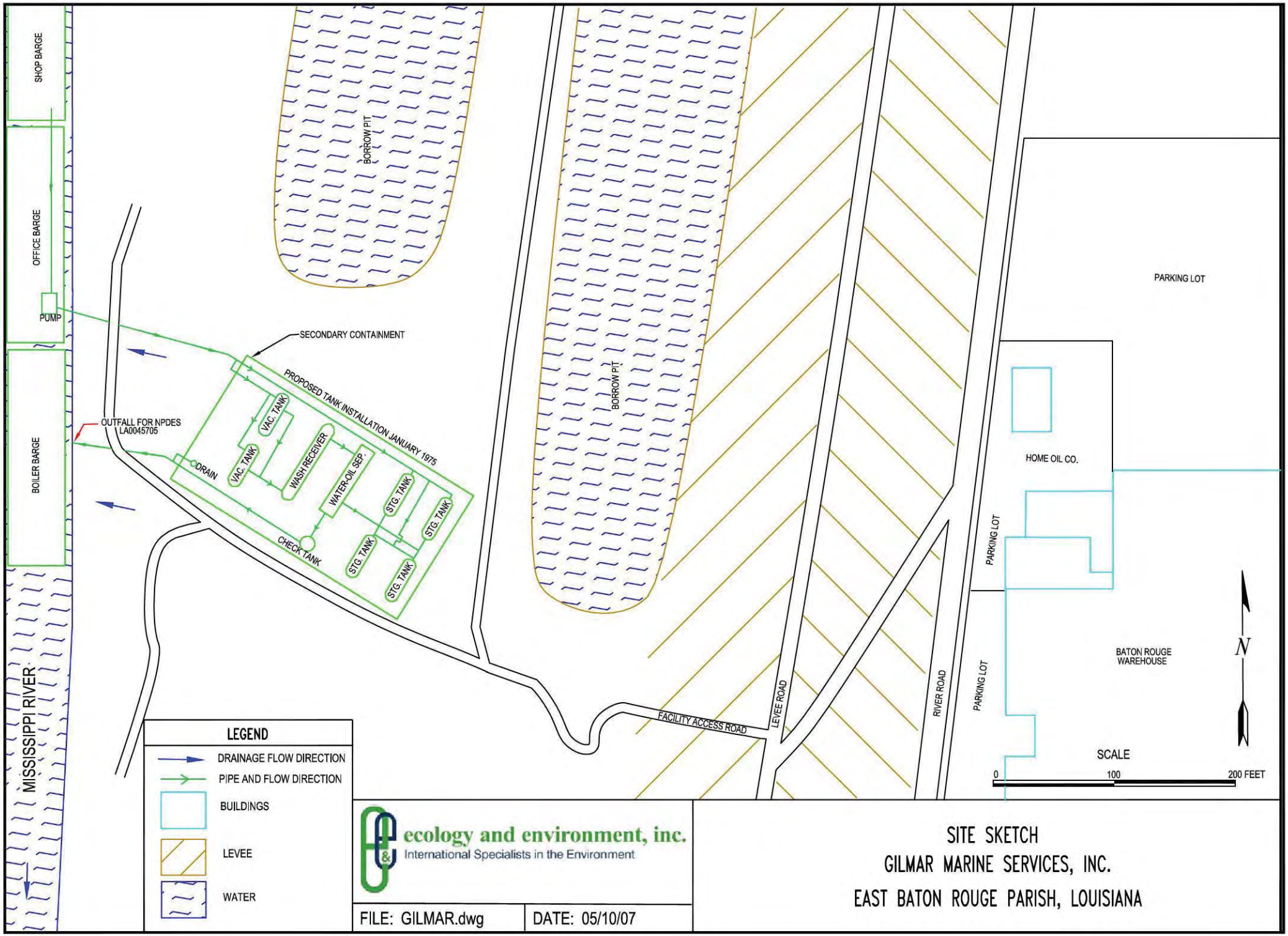
SITE LOCATION MAP
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

File Name: gilmar_sa.mxd

Date: 04/27/2007

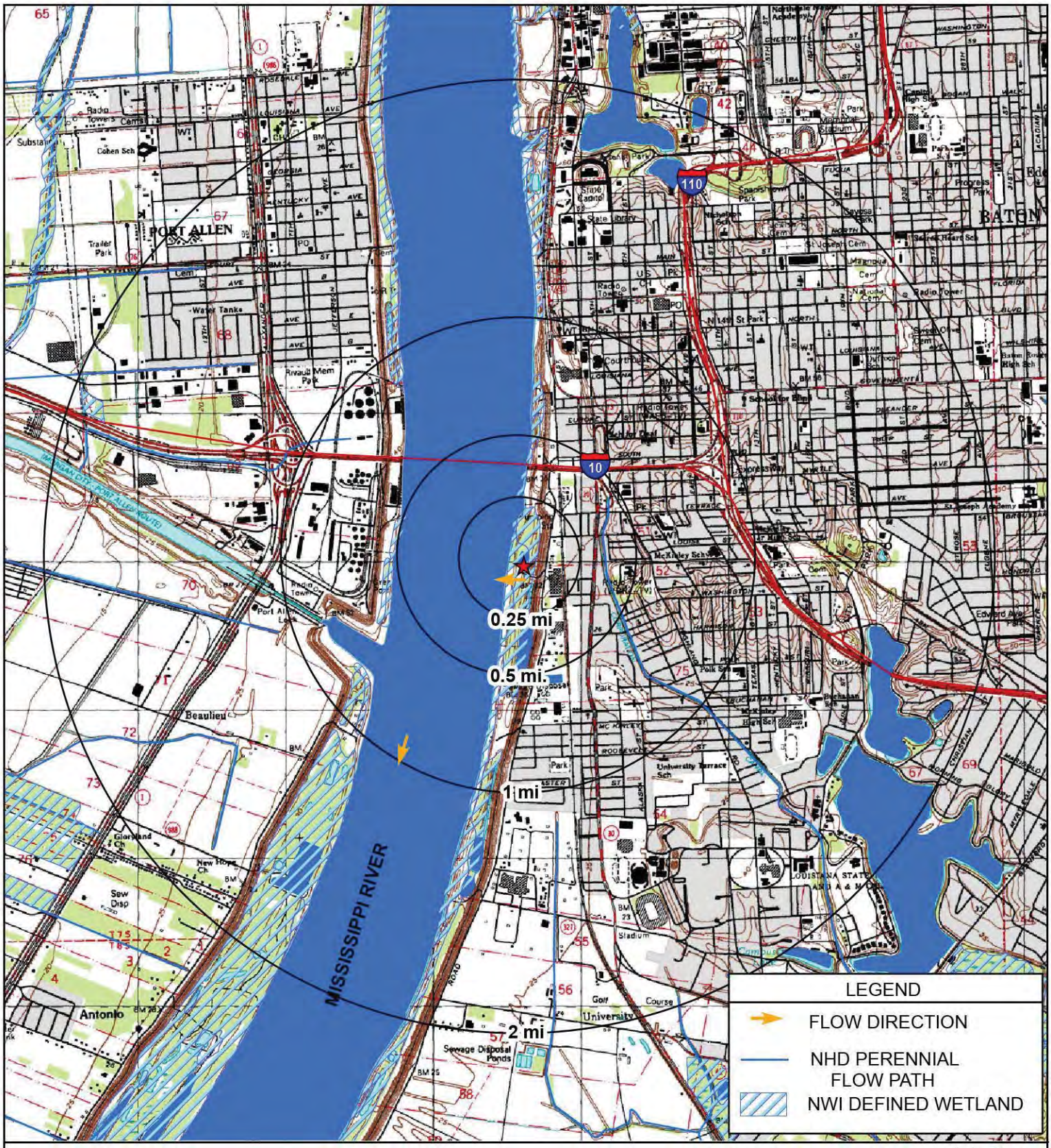
APPENDIX 3

SITE SKETCH


SHOP BARGE
OFFICE BARGE
PUMP
BOILER BARGE
MISSISSIPPI RIVER
BORROW PIT
BORROW PIT
SECONDARY CONTAINMENT
PROPOSED TANK INSTALLATION JANUARY 1975
OUTFALL FOR NPDES LA0045705
DRAIN
VAC. TANK
VAC. TANK
WASH RECEIVER
WATER-OIL SEP.
STG. TANK
STG. TANK
STG. TANK
STG. TANK
CHECK TANK
FACILITY ACCESS ROAD
LEVEE ROAD
RIVER ROAD
PARKING LOT
PARKING LOT
PARKING LOT
HOME OIL CO.
BATON ROUGE WAREHOUSE
N
SCALE
0
100
200 FEET
LEGEND
DRAINAGE FLOW DIRECTION
PIPE AND FLOW DIRECTION
BUILDINGS
LEVEE
WATER
ecology and environment, inc.
International Specialists in the Environment
FILE: GILMAR.dwg
DATE: 05/10/07
SITE SKETCH
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

APPENDIX 4

SITE DRAINAGE MAP



N

0 0.2 0.4 0.8 1.2 1.6 2 Miles

0 1,650 3,300 6,600 9,900 13,200 16,500 Feet

Louisiana

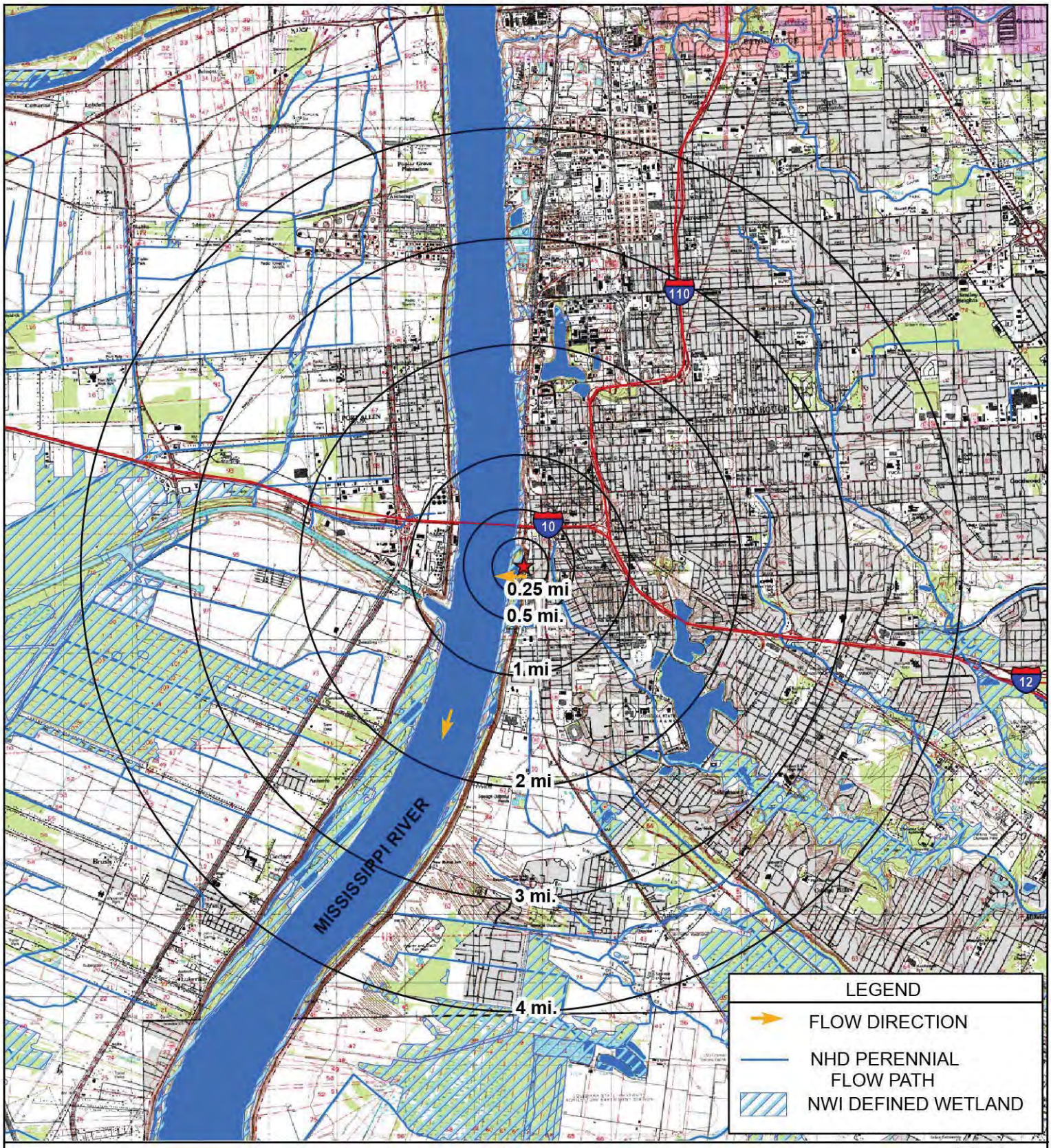
SOURCE: U.S.G.S 7.5 MINUTE TOPOGRAPHIC QUADRANGLES - BATON ROUGE WEST, LOUISIANA

ecology and environment, inc.
International Specialists in the Environment

SITE DRAINAGE MAP WITH DEFINED WETLANDS - 2-MILE RADIUS
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

File Name: gilmar_wet.mxd

Date: 04/27/2007



N

0 0.5 1 2 3 4 5 Miles

0 3,650 7,300 14,600 21,900 29,200 36,500 Feet

Louisiana

SOURCE: U.S.G.S 7.5 MINUTE TOPOGRAPHIC QUADRANGLES - BATON ROUGE WEST, LOUISIANA

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International Specialists in the Environment

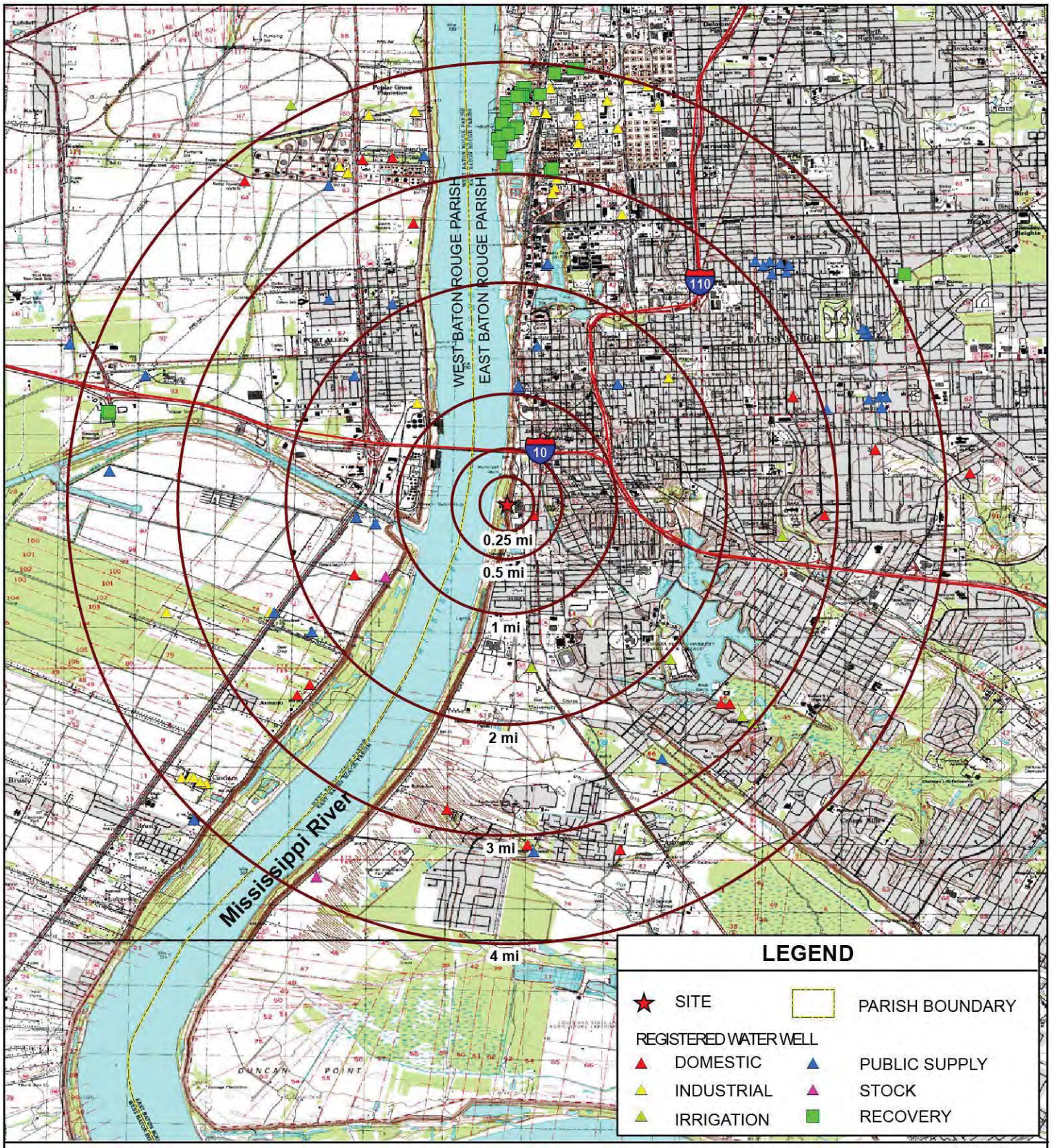
SITE DRAINAGE MAP WITH DEFINED WETLANDS - 4-MILE RADIUS
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

File Name: gilmar_wet.mxd

Date: 04/27/2007

APPENDIX 5

GROUNDWATER WITHDRAWAL WELLS LOCATED WITHIN A 4-MILE RADIUS



N

0 0.5 1 2 3 4 5 Miles

0 3,400 6,800 13,600 20,400 27,200 34,000 Feet

Louisiana

SOURCE: U.S.G.S 7.5 MINUTE TOPOGRAPHIC QUADRANGLE - BATON ROUGE WEST, LOUISIANA

ecology and environment, inc.
International Specialists in the Environment

WATER WELLS LOCATED WITHIN A FOUR-MILE RADIUS
GILMAR MARINE SERVICES, INC.
EAST BATON ROUGE PARISH, LOUISIANA

File Name: gilmar_well.mxd

Date: 01/08/2007

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	JARREAU	-536		GARLETE WELL	116	DOMESTIC	3	Apr-52	FLOWING	4/16/1952	112MRVA	302315	911120	Q W	3.08
East Baton Rouge	NEHER, C	-583		AIRHART	304	DOMESTIC	2.50X2	Apr-56	3.3	4/25/1956	112SLBR	302422	910944	D Q W	2.51
East Baton Rouge	PULLEN, F	-665		LAMBERT'S	116	DOMESTIC	4	1946	4	00/00/46	112SLBR	302647	910914	D Q W	2.45
East Baton Rouge	VARN, H	-731		GUITREAU P	186	DOMESTIC	2	Apr-61	1.34	5/11/1961	112MRVA	302313	911036	Q W	3.24
East Baton Rouge	RAMSEY, J	-734		HERRINGTON	504	DOMESTIC	2	1960	69	00/00/60	11204BR	302551	910859	W	2.49
East Baton Rouge	ALBRITTO N, W	-735		HERRINGTON	481	DOMESTIC	2	Oct-61	70.42	10/23/1961	11204BR	302622	910835	ED Q W	2.93
East Baton Rouge	MELANCO N, C	-755		LAMBERT'S	325	DOMESTIC	3X2	Mar-63			112SLBR	302422	910948	E	2.46
East Baton Rouge	GLEASON, D	-768		GREEN TOM	280	DOMESTIC	2	Jun-64	12	6/4/1964	112SLBR	302551	911117	ED W	0.23
East Baton Rouge	OBERLING , J	-799		GREEN TOM	390	DOMESTIC	3X2	Aug-65	55	9/9/1965	11204BR	302611	910750	D W	3.64
East Baton Rouge	ROMBECH , JOHN	-8539Z		ECONOMY	180	DOMESTIC	4X2	Nov-99	12	11/9/1999	112MRVA	302332	911158	D W	2.79
West Baton Rouge	PHILLIPS BROS	-20		UNKNOWN	2080	DOMESTIC	4	Mar-44	46.2	3/1/1944	12115BR	302523	911242	D Q W	1.35
West Baton Rouge	DAMERON , G & C	-40		SUMMERS, D. K.	2191	DOMESTIC	3X2	Aug-56			12115BR	302431	911303	ED	2.24
West Baton Rouge	CHAUDOI R, E	-42		SUMMERS, D. K.	560	DOMESTIC	4X2	Sep-55	108	09/00/55	11206BR	302809	911214	Q W	2.65
West Baton Rouge	HALPHEN, F	-54		HEBERT A J	450	DOMESTIC	2	Sep-57			112SLBR	302426	911309	Q	2.37
West Baton Rouge	LEBLANC, L	-60		SUMMERS, D. K.	525	DOMESTIC	4X2.50	Jun-57	88.03	10/8/1958	11206BR	302840	911224	D Q W	3.26
West Baton Rouge	DENICOLA , J	-72		SUMMERS, D. K.	199	DOMESTIC	1.5	Sep-56	19	9/13/1956	112MRVA	302839	911238	D W	3.31
West Baton Rouge	WIBR RADIO	-124		CAPITAL	499	DOMESTIC	4X2	May-71	15.2	4/18/1973	11204BR	302829	911334	D Q W	3.57
East Baton Rouge	EXXON CO USA	-34	34	LAYNE (LA)	459	INDUSTRIAL	12X8	Apr-38	141	6/3/1938	11204BR	302907	911042	D Q W	3.74
East Baton Rouge	EXXON CO USA	-356	45	LAYNE (LA)	441	INDUSTRIAL	18X12	Sep-43	226	9/22/1943	11204BR	302913	911109	ED Q W	3.79
East Baton Rouge	EXXON CO USA	-398	48	EBERHART	1285	INDUSTRIAL	12X9X9X9	Jul-45			12111BR	302902	911116	EDMQ	3.57

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	ALLIED CHEM	-467	2	EBERHART	1021	INDUSTRIAL	12X9	Jan-48	101.98	3/2/1948	12110BR	302826	911107	EDMQ PW	2.89
East Baton Rouge	EXXON CO USA	-499	54	EBERHART	430	INDUSTRIAL	18X12	Nov-48			11204BR	302914	911023	E MQ	3.95
East Baton Rouge	EXXON MOBIL	-576	62	EBERHART	1270	INDUSTRIAL	18X12	Aug-54	73.75	10/25/1954	12112BR	302917	911032	ED Q PW	3.96
East Baton Rouge	EXXON CO USA	-580	63	LAYNE (LA)	1242	INDUSTRIAL	18X12X9	Dec-55	115	12/9/1955	12112BR	302903	911018	E Q W	3.77
East Baton Rouge	EXXON CO USA	-587	64	EBERHART	2110	INDUSTRIAL	18X12	Jun-56	121	9/17/1956	12220BR	302900	911056	E MQ W	3.56
East Baton Rouge	KEANS LAUNDRY	-674		EBERHART	2250	INDUSTRIAL	18	Dec-58			12220BR	302656	911013	EDMQ	1.71
East Baton Rouge	ALLIED CHEM	-784	4	EBERHART	1282	INDUSTRIAL	12X9X9	Nov-64			12112BR	302823	911108	ED Q	2.84
East Baton Rouge	EXXON CO USA	-810	69	LAYNE (LA)	2130	INDUSTRIAL	18X12X8	Sep-66	223.1	10/19/1966	12220BR	302854	911037	E Q W	3.52
East Baton Rouge	EXXON CO USA	-851	72	EBERHART	2119	INDUSTRIAL	18X12	Aug-68	267	9/23/1968	12220BR	302901	911111	E Q W	3.55
East Baton Rouge	EXXON CO USA	-855	74	LAYNE (LA)	2208	INDUSTRIAL	18X12X9	Apr-69	274	4/29/1969	12220BR	302847	911056	E Q W	3.32
East Baton Rouge	EXXON CO USA	-884	76	LAYNE (LA)	2120	INDUSTRIAL	18X12X9	Sep-69	299	4/22/1970	12220BR	302904	911018	E W	3.79
East Baton Rouge	CONCRETE	-1300		ECONOMY	585	INDUSTRIAL	6	Jul-00	85	7/6/2000	11206BR	302813	911035	D W	2.77
East Baton Rouge	HONEYWELL	-1301	5	STAMM-SCHEELE	1260	INDUSTRIAL	16X10	Apr-00	135	4/27/2000	12112BR	302830	911106	EDMQ PW	2.97
East Baton Rouge	EXXON MOBIL	-1318	78	STAMM-SCHEELE	607	INDUSTRIAL	14	3-Oct	95	10/1/2003	0	302856	911055	EDMQ PW	3.49
West Baton Rouge	LAWS, H L & CO	-6	CINCLARE #1	EBERHART	2134	INDUSTRIAL	4X2.50	1916	71	00/00/16	12115BR	302347	911404	D W	3.54
West Baton Rouge	LAWS, H L & CO	-7	CINCLARE #4	UNKNOWN	200	INDUSTRIAL	8	.	20	3/2/1942	112MRVA	302347	911400	Q W	3.5
West Baton Rouge	EXXON CO USA	-38	ANCHORAGE4	EBERHART	1254	INDUSTRIAL	10X8X6	Dec-54	38.1	7/12/1955	12112BR	302836	911249	EDM W	3.33
West Baton Rouge	EXXON CO USA	-44	ANCHORAGE3	EBERHART	1247	INDUSTRIAL	8	Apr-50	16.1	4/7/1950	12112BR	302833	911245	D W	3.25
West Baton Rouge	CONCRETE	-63		HEBERT A J	230	INDUSTRIAL	6	1957			112MRVA	302505	911322		2.09
West Baton Rouge	MISSOURI PAC RR	-73		SOUTHERN CO	176	INDUSTRIAL	8	22-Dec			112MRVA	302900	911235	D	3.68

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
West Baton Rouge	EXXON CHEMICAL	-127	ANCHORAGE	STAMM-SCHEELE	220	INDUSTRIAL	18	Jul-72	17.5	7/27/1972	112MRVA	302902	911213	ED W	3.63
West Baton Rouge	GREATER BR PORT	-181	3	STAMM-SCHEELE	1900	INDUSTRIAL	14X10X10	Nov-86	105	11/10/1986	12117BR	302644	911212	EDMQ W	1.15
West Baton Rouge	LAWS, H L & CO	-192	CINCLARE #8	EBERHART	293	INDUSTRIAL	18X12	Sep-63			112MRVA	302344	911352	D	3.44
West Baton Rouge	LAWS, H L & CO	-193	CINCLARE #9	UNKNOWN	384	INDUSTRIAL	10X8	Mar-64			112MRVA	302347	911358	D	3.47
West Baton Rouge	TIGATOR INC	-5638Z		GURGANUS, J. R.	170	INDUSTRIAL	4	Mar-95	5	3/15/1995	112MRVA	302505	911411	D W	2.83
East Baton Rouge	BATES, C	-157		EBERHART	1552	IRRIGATION	6X4	Jun-42	23	8/1/1944	12115BR	302541	910919	D Q W	2.18
East Baton Rouge	BATON ROUGE	-1024	FOOTBALL	LAMBERT'S	315	IRRIGATION	8	May-80	16.3	10/16/1984	112MRVA	302439	911118	ED W	1.49
East Baton Rouge	BATON ROUGE	-1130	HORTICULT	EBERHART	361	IRRIGATION	8X6	Oct-83	25	10/4/1983	112SLBR	302443	911012	D W	1.9
East Baton Rouge	MORRIS, BUCK	-1239		ECONOMY	295	IRRIGATION	4X2	Aug-84	20	8/6/1984	112SLBR	302413	910933	D W	2.76
East Baton Rouge	BREC	-1351	WEBB PARK1	LAYNE	500	IRRIGATION	12X10	5-Jun	48	6/29/2005	0	302607	910805	ED W	3.39
East Baton Rouge	NEAAMS, KEYNON	-8536Z		BABIN, WHITNEY	265	IRRIGATION	4X2	1-Jun	3	6/4/2001	112SLBR	302416	910938	D W	2.66
West Baton Rouge	LEBLANC, LEO JR	-5627Z		GURGANUS, J. R.	150	IRRIGATION	2	Sep-93	5	9/25/1993	112MRVA	302905	911312	D W	3.99
East Baton Rouge	STATES UTL	-522	11	LAYNE (LA)	1190	POWER GEN.	18X8	Dec-48	20	12/22/1948	12112BR	302924	911121	ED Q W	3.98
East Baton Rouge	ENTERGY GULF	-1323	27-A	STAMM-SCHEELE	2158	POWER GEN.	16X12	3-Jul	282	5/15/2003	0	302921	911119	ED W	3.93
East Baton Rouge	ROUGE WW	-151	GOV'T ST 2	EBERHART	2658	PUBLIC SUPPLY	12X10X8	1944	5.6	8/29/1944	12223BR	302641	910858	D Q PW	2.65
East Baton Rouge	ROUGE WW	-413	GOV'T3	EBERHART	1745	PUBLIC SUPPLY	12X9X9X9	1946	55.43	9/4/1958	12115BR	302642	910832	EDMQ W	3.07
East Baton Rouge	ROUGE WW	-510	LULA17	EBERHART	1605	PUBLIC SUPPLY	12X9	Jan-51	77.65	9/4/1958	12115BR	302751	910925	MQ W	3.02
East Baton Rouge	DOWNING, B	-569		SUMMERS, D. K.	2170	PUBLIC SUPPLY	6X3	Dec-54	44.7	12/11/1954	12115BR	302312	911117	ED Q W	3.15
East Baton Rouge	ROUGE WW	-630	LAF 15	EBERHART	2253	PUBLIC SUPPLY	20X12X9	Aug-56	138.66	2/8/1961	12220BR	302651	911124	DMQ W	1.06
East Baton Rouge	ROUGE WW	-657	LULA18	EBERHART	1618	PUBLIC SUPPLY	22X18X12	Sep-55	72.02	9/4/1958	12115BR	302751	910932	D Q PW	2.94

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	ROUGE WW	-658	LULA19	EBERHART	1604	PUBLIC SUPPLY	18X12	Sep-56	75.39	9/4/1958	12115BR	302745	910924	D Q W	2.94
East Baton Rouge	ROUGE WW	-726	LULA20	EBERHART	1601	PUBLIC SUPPLY	18X12X9	Aug-60	89.4	10/10/1960	12115BR	302746	910917	D Q PW	3.04
East Baton Rouge	ROUGE WW	-733	GOV'T5	EBERHART	2637	PUBLIC SUPPLY	12X8X8	May-61	86.03	7/25/1961	12223BR	302647	910833	D Q W	3.08
East Baton Rouge	ROUGE WW	-751	45TH#1	EBERHART	2595	PUBLIC SUPPLY	18X9	1962	82	8/27/1962	12224BR	302716	910838	E Q W	3.22
East Baton Rouge	ROUGE WW	-771	GOV'T6	EBERHART	1739	PUBLIC SUPPLY	18X12X9	May-63	72	8/15/1963	12115BR	302646	910838	ED Q W	2.99
East Baton Rouge	ROUGE WW	-774	45TH#2	EBERHART	2143	PUBLIC SUPPLY	18X12X9	Jan-64	126	4/2/1964	12220BR	302718	910839	D Q W	3.23
East Baton Rouge	ROUGE WW	-813	LAKE#1	EBERHART	2536	PUBLIC SUPPLY	18X12X8	Apr-67	162	8/24/1967	12224BR	302749	911111	ED Q W	2.18
East Baton Rouge	ROUGE WW	-814	LULA21	EBERHART	2168	PUBLIC SUPPLY	18X12X8	Aug-66	180.6	11/14/1966	12220BR	302749	910916	D W	3.09
East Baton Rouge	ROUGE WW	-874	LAKE#2	EBERHART	2250	PUBLIC SUPPLY	18X12X8	Jul-70			12220BR	302750	911110	ED Q	2.21
East Baton Rouge	ROUGE WW	-927	45TH#3	EBERHART	1511	PUBLIC SUPPLY	18X12X12	Jun-73	135	2/19/1974	12115BR	302717	910839	D Q W	3.22
East Baton Rouge	ROUGE WW	-938	LULA22	EBERHART	1599	PUBLIC SUPPLY	18X12X12	Jun-72	151	2/1/1974	12115BR	302749	910928	D Q W	2.95
East Baton Rouge	ROUGE WW	-939	LULA23	EBERHART	1592	PUBLIC SUPPLY	18X12	Jul-74	165	2/23/1977	12115BR	302750	910920	ED Q W	3.06
East Baton Rouge	LA CIVIL DEFENS	-1007		MORRISON, J. L.	845	PUBLIC SUPPLY	10X8X6	Aug-78	94.09	8/3/1978	12108BR	302711	911115	EDMQ PW	1.46
East Baton Rouge	ROUGE WW	-1149	CONVENT N 1	EBERHART	2694	PUBLIC SUPPLY	18X12	Dec-86	147	5/13/1987	12224BR	302653	911037	ED W	1.4
East Baton Rouge	ROUGE WW	-1150	CONVENT N 2	EBERHART	2242	PUBLIC SUPPLY	18X12X12	Apr-87	207	4/21/1987	12220BR	302653	911037	ED W	1.4
East Baton Rouge	AUTOMOT IV	-1217		SUMMERS (DALE)	305	PUBLIC SUPPLY	2	Jan-90	15	1/9/1990	112MRVA	302356	911016	D W	2.6
East Baton Rouge	ROUGE WW	-1252	GOV'T7	LAYNE (BR)	2633	PUBLIC SUPPLY	18X12X9	May-93	153	5/6/1993	12224BR	302647	910830	EDM PW	3.13
East Baton Rouge	ROUGE WW	-1253	LAF 18	LAYNE (BR)	2687	PUBLIC SUPPLY	18X12X8	Aug-93	165	8/31/1993	12223BR	302652	911124	EDM PW	1.08
East Baton Rouge	ROUGE WW	-1276	N 45TH ST4	LAYNE (BR)	1075	PUBLIC SUPPLY	18	May-97	93	2/27/1997	12110BR	302717	910840	EDMQ PW	3.2
East Baton Rouge	ROUGE WW	-1308	N45TH #5	LAYNE (BR)	1070	PUBLIC SUPPLY	18	1-Sep	98	9/16/2001	12110BR	302719	910841	EDM PW	3.21

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
West Baton Rouge	SCHOOL BRD	-31	BRUSLY	MCDERMOTT F	416	PUBLIC SUPPLY	4	Dec-51	3	12/26/1951	112SLBR	302327	911358	D Q W	3.75
West Baton Rouge	PORT ALLEN, LA	-35	3	COASTAL WTR	1290	PUBLIC SUPPLY	10X6X6	Mar-55	25	3/1/1955	12112BR	302657	911242	DMQ W	1.67
West Baton Rouge	PORT ALLEN, LA	-110	12ST	HENRY, L. B.	1322	PUBLIC SUPPLY	10X8	Nov-66			12112BR	302733	911254	E Q	2.32
West Baton Rouge	PLAQUEMINE, LA	-111	1	HENRY, L. B.	2650	PUBLIC SUPPLY	16X10X8	Jan-68	43.5	1/15/1970	12220BR	302550	911241	E MQ PW	1.18
West Baton Rouge	PLAQUEMINE, LA	-112	2	HENRY, L. B.	2205	PUBLIC SUPPLY	16X10X8	Jan-68	23.85	1/15/1970	12115BR	302550	911241	MQ W	1.18
West Baton Rouge	PLAQUEMINE, LA	-113	3	HENRY, L. B.	2242	PUBLIC SUPPLY	16X10X8	Jan-68	49.2	5/7/1974	12115BR	302547	911232	E MQ W	1.04
West Baton Rouge	WBR WTR DIST 2	-132	CONSOLIDAT	EBERHART	2082	PUBLIC SUPPLY	12X8X6	Sep-76	30.65	2/10/1976	12115BR	302505	911320	EDMQ PW	2.06
West Baton Rouge	WBR WTR DIST 4	-136	HIGHWAY 76	EBERHART	1305	PUBLIC SUPPLY	10X8X8	Aug-72	66.59	2/10/1976	12112BR	302712	911457	E MQ W	3.71
West Baton Rouge	JACINTOPORT COR	-137	WEST	UNKNOWN	1330	PUBLIC SUPPLY	12X8	Nov-74	69.41	2/10/1976	12112BR	302657	911421	EDMQ W	3.05
West Baton Rouge	WBR GAS AND WTR	-150	SUNRISE 1	STAMM-SCHEELE	1034	PUBLIC SUPPLY	14X10X8	Jun-78	92	6/22/1978	12110BR	302827	911254	EDMQ W	3.2
West Baton Rouge	WBR WTR DIST 2	-173	3	EBERHART	2194	PUBLIC SUPPLY	12X8	Jun-85	60	4/8/1985	12115BR	302456	911302	D Q W	1.9
West Baton Rouge	PORT ALLEN, LA	-207	1-A-6TH ST	STAMM-SCHEELE	1332	PUBLIC SUPPLY	10X6	Dec-99	87	1/6/2000	12112BR	302731	911224	EDMQ PW	2.02
West Baton Rouge	WBR GAS AND WTR	-209	SUNRISE #4	LAYNE (BR)	1010	PUBLIC SUPPLY	24X16	May-00	109	4/4/2000	12110BR	302841	911209	EDMQBPW	3.22
West Baton Rouge	LA DOTD	-5630Z	LTRC	LAMBERT'S	180	PUBLIC SUPPLY	2	Mar-94	FLOWING	3/7/1994	112MRVA	302612	911438	D W	3.12
East Baton Rouge	EXXON CO USA	-5762Z	RW-1	BARRINGTON'S	20	RECOVERY	6	Jun-87	10.14	8/14/1987	112MRVAC	302906	911130	D W	3.64
East Baton Rouge	EXXON CO USA	-5763Z	RW-2	BARRINGTON'S	15	RECOVERY	6	Jun-87	3.28	8/14/1987	112MRVAC	302904	911130	D W	3.6
East Baton Rouge	EXXON CO USA	-5764Z	RW-3	BARRINGTON'S	15	RECOVERY	6	Jun-87	4.08	8/14/1987	112MRVAC	302902	911130	D W	3.56
East Baton Rouge	EXXON CO USA	-5766Z	RW-6	BARRINGTON'S	19	RECOVERY	6	Jun-87	8.76	8/14/1987	112MRVAC	302856	911132	D W	3.44
East Baton Rouge	EXXON CO USA	-5767Z	RW-7	BARRINGTON'S	24	RECOVERY	6	Jun-87	13.19	8/14/1987	112MRVAC	302854	911126	D W	3.41
East Baton Rouge	EXXON CO USA	-6238Z	RW-12	PSI/PTL	24	RECOVERY	6	Jul-89			112MRVAC	302846	911132	D	3.25

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	EXXON CO USA	-6562Z	RW404-2	WOODWARD-CLYDE	16	RECOVERY	6	Sep-90	4.1	9/28/1990	112MRVAC	302833	911108	D W	3.03
East Baton Rouge	EXXON CO USA	-6597Z	RW-148-1	WOODWARD-CLYDE	14	RECOVERY	8	Nov-90	4.5	11/27/1990	112MRVAC	302910	911114	D W	3.72
East Baton Rouge	EXXON CHEMICAL	-6842Z	RW-4	LAYNE (ENV)	16	RECOVERY	4	Dec-91	4	1/10/1992	112MRVAC	302911	911122	D W	3.73
East Baton Rouge	EXXON CHEMICAL	-6843Z	RW-5	LAYNE (ENV)	15	RECOVERY	4	Dec-91	4.2	1/10/1992	112MRVAC	302911	911123	D W	3.73
East Baton Rouge	EXXON CHEMICAL	-6844Z	RW-6	LAYNE (ENV)	14	RECOVERY	4	Dec-91	3.5	1/10/1992	112MRVAC	302913	911122	D W	3.77
East Baton Rouge	EXXON CHEMICAL	-6845Z	RW-7	LAYNE (ENV)	14	RECOVERY	4	Dec-91	3.2	1/10/1992	112MRVAC	302913	911121	D W	3.77
East Baton Rouge	EXXON CO USA	-6903Z	RW-5	WOODWARD-CLYDE	17	RECOVERY	6	Oct-92	4.52	11/3/1992	112MRVAC	302833	911109	D W	3.02
East Baton Rouge	EXXON CO USA	-6904Z	RW-6	WOODWARD-CLYDE	17	RECOVERY	6	Oct-92	4.54	11/3/1992	112MRVAC	302833	911109	D W	3.02
East Baton Rouge	EXXON CO USA	-6905Z	RW-7	WOODWARD-CLYDE	17	RECOVERY	6	Oct-92	4.05	11/3/1992	112MRVAC	302835	911108	D W	3.06
East Baton Rouge	EXXON CO USA	-6906Z	RW-8	WOODWARD-CLYDE	17	RECOVERY	6	Oct-92	5.36	11/3/1992	112MRVAC	302835	911108	D W	3.06
East Baton Rouge	EXXON CO USA	-7142Z	RW-5A	CCI	27	RECOVERY	6	Sep-90			112MRVAC	302856	911132	D	3.44
East Baton Rouge	EXXON CO USA	-7143Z	RW-19	CCI	27	RECOVERY	6	Sep-90			112MRVAC	302855	911125	D	3.43
East Baton Rouge	SOUTHLAND CORP	-7466Z	RW-1	ALLIANCE	13	RECOVERY	6	Apr-94	11	4/13/1994	112SESC	302745	910821	D W	3.75
East Baton Rouge	EXXON CO USA	-7485Z	RW-7R	FUGRO (GS)	32	RECOVERY	6	Jul-94	17	7/14/1994	112SESC	302849	911134	D W	3.31
East Baton Rouge	EXXON CO USA	-7486Z	RW-8A	FUGRO (GS)	23	RECOVERY	6	Sep-94	5	9/26/1994	112SESC	302852	911127	D W	3.37
East Baton Rouge	EXXON CO USA	-7488Z	SF-2	FUGRO (GS)	25	RECOVERY	6	Nov-94	9	11/15/1994	112SESC	302850	911132	D W	3.33
East Baton Rouge	EXXON CO USA	-7489Z	SF-3	FUGRO (GS)	30	RECOVERY	6	Nov-94	22	11/15/1994	112SESC	302845	911133	D W	3.23
East Baton Rouge	EXXON CO USA	-7490Z	SF-4	FUGRO (GS)	30	RECOVERY	6	Nov-94	17	11/14/1994	112SESC	302842	911133	D W	3.18
East Baton Rouge	EXXON CO USA	-7726Z	W-42	FUGRO (GS)	35	RECOVERY	8X8	Mar-96	13.5	3/25/1996	112SESC	302922	911056	D W	3.98
East Baton Rouge	EXXON CO USA	-7727Z	W-43	FUGRO (GS)	35	RECOVERY	8X8	Mar-96	12.37	3/25/1996	112SESC	302922	911058	D W	3.98

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	EXXON CO USA	-7729Z	W-45	FUGRO (GS)	53	RECOVERY	6X6	Mar-96	16.98	3/25/1996	112SESC	302920	911107	D W	3.92
East Baton Rouge	EXXON CO USA	-7813Z	W-28	FUGRO (GS)	13	RECOVERY	4	Jul-95	4.68	8/9/1995	112MRVA C	302910	911122	D W	3.71
East Baton Rouge	EXXON CO USA	-7815Z	W-30	FUGRO (GS)	13	RECOVERY	4	Jul-95	2.84	8/9/1995	112MRVA C	302909	911122	D W	3.7
East Baton Rouge	EXXON CO USA	-7816Z	W-31	FUGRO (GS)	13	RECOVERY	4	Jul-95	5.16	8/9/1995	112MRVA C	302909	911122	D W	3.7
East Baton Rouge	EXXON CO USA	-7817Z	W-32	FUGRO (GS)	13	RECOVERY	4	Jul-95	2.63	8/9/1995	112MRVA C	302909	911122	D W	3.7
East Baton Rouge	EXXON CO USA	-7818Z	W-33	FUGRO (GS)	13	RECOVERY	4	Aug-95	2.17	8/9/1995	112MRVA C	302909	911122	D W	3.7
East Baton Rouge	EXXON CO USA	-7819Z	W-34	FUGRO (GS)	13	RECOVERY	4	Aug-95	2.35	8/9/1995	112MRVA C	302909	911123	D W	3.69
East Baton Rouge	EXXON CO USA	-7820Z	W-35	FUGRO (GS)	13	RECOVERY	4	Aug-95	1.93	8/9/1995	112MRVA C	302909	911124	D W	3.69
East Baton Rouge	EXXON CO USA	-7821Z	W-36	FUGRO (GS)	13	RECOVERY	4	Aug-95	1.75	8/9/1995	112MRVA C	302909	911124	D W	3.69
East Baton Rouge	EXXON CO USA	-7822Z	W-37	FUGRO (GS)	13	RECOVERY	4	Aug-95	1.92	8/9/1995	112MRVA C	302909	911125	D W	3.69
East Baton Rouge	EXXON CO USA	-7947Z	P-4B	FUGRO (GS)	26	RECOVERY	6	Jul-97	15.67	7/31/1997	112MRVA C	302854	911125	D W	3.41
East Baton Rouge	EXXON CO USA	-7948Z	SF-1B	FUGRO (GS)	27	RECOVERY	6	Jul-97	18.3	7/31/1997	112MRVA C	302851	911129	D W	3.35
East Baton Rouge	EXXON CO USA	-8250Z	RW-20	WALKER-HILL(CO)	30	RECOVERY	6	Jun-99	25	6/23/1999	112SESC	302835	911130	D W	3.04
West Baton Rouge	SEDCO	-5817Z	RW-1	G & E	15	RECOVERY	6	Jan-96	3	1/18/1996	112MRVA C	302639	911438	D W	3.21
West Baton Rouge	SEDCO	-5818Z	RW-3	G & E	14	RECOVERY	4	May-96	2.3	5/30/1996	112MRVA C	302639	911438	D W	3.21
West Baton Rouge	SEDCO	-5819Z	RW-4	G & E	14	RECOVERY	4	May-96	4	5/30/1996	112MRVA C	302640	911439	D W	3.23
West Baton Rouge	SEDCO	-5820Z	RW-5	G & E	14	RECOVERY	4	May-96	3.8	5/30/1996	112MRVA C	302640	911438	D W	3.21
West Baton Rouge	SEDCO	-5821Z	RW-6	G & E	14	RECOVERY	4	May-96	2.7	5/30/1996	112MRVA C	302640	911438	D W	3.21
West Baton Rouge	SEDCO	-5822Z	RW-7	G & E	14	RECOVERY	4	May-96	3.8	5/30/1996	112MRVA C	302640	911438	D W	3.21
West Baton Rouge	SEDCO	-5823Z	RW-8	G & E	14	RECOVERY	4	May-96	2.8	5/30/1996	112MRVA C	302640	911438	D W	3.21

Key at end of table

Public Works & Water Resources Division
Water Resources Section

Wells located within 4 mile radius
of Latitude 30°25'59" and Longitude 91°11'34"

Parish	Owner Name	DOTD Well #	Owner Well #	Driller's Name	Well Depth (ft)	Well Use	Casing Size (in)	Drill Date	Water Level (ft)	W.L. Date Measured	Geologic Unit	Lati tude	Longi tude	Avail Info	Distance in Miles
East Baton Rouge	OAK PROD	-5140Z	DUPLANT 1	GUICHARD	281	RIG SUPPLY	4	Dec-84			112MRVA	302346	910956	D	2.93
East Baton Rouge	DENOVO OIL-GAS	-6581Z	GIANELLO N4	RIG WATER	160	RIG SUPPLY	4	Nov-90	15	11/15/1990	112MRVA	302737	910802	D W	3.94
West Baton Rouge	HUFFCO PETRO	-5037Z	SUMRALL 1	RIG WATER	150	RIG SUPPLY	4	Sep-84			112MRVA	302523	911458	D	3.49
East Baton Rouge	DUPLANTI ER	-232		UNKNOWN	175	STOCK	2.5	.			112MRVA	302300	911300	Q	3.68
West Baton Rouge	PHILLIPS, R	-103		MCCLINTON D	2137	STOCK	4	May-66			12115BR	302522	911227	E	1.14

Available Information:

E - Geophysical Log
D - Driller's Log
M - Mechanical Analysis
Q - Quality of Water
P - Pumping Test
W - Water Level
B - Bacteriological Analysis

Source: Louisiana Department of Transportation and Development (LDOTD)
Public Works & Water Resources Division
Water Well Registration Data File
http://www.dotd.state.la.us/intermodal/wells/

APPENDIX 6

PHOTOGRAPHIC DOCUMENTATION

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-07-2007 **Time:** 15:07 **Direction:** S

Description: Baton Rouge Trail (BRT), located atop Mississippi River Levee, as it crosses entrance to Gilmar Marine Services, Inc., (GMS) former facility location (Site).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:08 **Direction:** SW

Description: Panorama of GMS Site as viewed from the intersection of BRT and the GMS Site access road (1 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:08 **Direction:** W

Description: Panorama of GMS Site as viewed from the intersection of BRT and the GMS Site access road (2 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:08 **Direction:** W

Description: Panorama of GMS Site as viewed from the intersection of BRT and the GMS Site access road (3 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:08 **Direction:** NW

Description: Panorama of GMS Site as viewed from the intersection of BRT and the GMS Site access road (4 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:08 **Direction:** N

Description: Panorama of GMS Site as viewed from the intersection of BRT and the GMS Site access road (5 of 5). Note Interstate-10 Mississippi River Bridge and Downtown Baton Rouge in background.

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:09 **Direction:** W

Description: GMS Site as viewed from the intersection of BRT and the GMS Site access road.

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:10 **Direction:** NE

Description: Home Oil Company as viewed from the intersection of BRT and the GMS Site access road.

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:10 **Direction:** ESE

Description: Baton Rouge Warehouse Site as viewed from the intersection of BRT and the GMS Site access road.

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:15 **Direction:** S

Description: Panorama of GMS Site as viewed from BRT, approximately 400 feet north of the GMS Site access road (1 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:15 **Direction:** SW

Description: Panorama of GMS Site as viewed from BRT, approximately 400 feet north of the GMS Site access road (2 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:15 **Direction:** E

Description: Panorama of GMS Site as viewed from BRT, approximately 400 feet north of the GMS Site access road (3 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:15 **Direction:** NW

Description: Panorama of GMS Site as viewed from BRT, approximately 400 feet north of the GMS Site access road (4 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:15 **Direction:** N

Description: Panorama of GMS Site as viewed from BRT, approximately 400 feet north of the GMS Site access road (5 of 5). Note Interstate-10 Mississippi River Bridge and Downtown Baton Rouge in background.

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** SSE

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (1 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** S

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (2 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** SW

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (3 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** E

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (4 of 5).

Photographs of Gilmar Marine Services, Inc., Facility in Baton Rouge, Louisiana

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** NE

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (4 of 5).

Site: Gilmar Marine Services, Inc., Preliminary Assessment

Date: 04-03-2007 **Time:** 15:20 **Direction:** N

Description: Panorama of GMS Site as viewed from BRT, approximately 800 feet north of the GMS Site access road (5 of 5). Note Interstate-10 Mississippi River Bridge and Downtown Baton Rouge in background.

APPENDIX 7

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
ELECTRONIC DOCUMENT MANAGEMENT SYSTEM
RECORDS FOR AI 8003

LDEQ EDMS DOCUMENT QUERY RESULTS

query was run on 4/5/2007 10:13:53 AM

Document ID	AI	Document Type	Document Subtype	Date	Description	Media	Division	Pgs	Review Summary - (Added by E&E)
20011093	8003	Correspondence-Received		8/21/1974		Air Quality		1	Memo of field investigation, 1974
15855290	8003	Correspondence-Received		10/2/1974		Surface Water		1	Letter to Water Pollution Division, 1974
15855356	8003	Correspondence-Received		1/15/1975		Surface Water		1	Notice of review of application, 1975
15855341	8003	Correspondence-Received		1/16/1975		Surface Water		8	Application for Water Discharge (description of operations)
15855349	8003	Permits		1/16/1975		Surface Water	Permits	7	Application for Water Discharge Permit
15855357	8003	Permits		1/17/1975		Surface Water	Permits	11	EPA Form 7550-23, National Pollutant Discharge Elimination System Application for Permit to Discharge
21720825	8003	Permits		2/7/1975		Air Quality		100	Certificate for Approval of Emissions for Barge Cleaning Operations, Approval of Permit Request
20011092	8003	Correspondence-Received		2/10/1975		Air Quality		1	Letter to the Division of Air Control and Occupational Health
15855340	8003	Correspondence-Received		5/16/1975		Surface Water		1	Notification of Application Review, 1975
15855132	8003	Permits		5/27/1975		Surface Water	Permits	1	Modification of Permit Application
15855129	8003	Legal		8/1/1975		Surface Water		3	Notice of Receipt of Waste disposalPermit
15855104	8003	Permits		4/25/1978		Surface Water	Permits	12	NPDES Permit
15855116	8003	Permits		4/25/1978		Surface Water	Permits	12	Public Notice NPDES Permit
15855289	8003	Correspondence-Received		6/5/1978		Surface Water		1	Management change notification at Gilmar Marine
21721041	8003	Correspondence-Sent		10/9/1979		Air Quality		1	Cover Letter for Permit
21721039	8003	Correspondence-Internal	Note/Memo	1/6/1980		Air Quality		1	Odor complaint investigation-ethyl acrylate vapors caused odors in Downtown Baton Rouge near 4th street. Operations suspended until wind changed
21721040	8003	Correspondence-Received		1/6/1980		Air Quality		1	Violation
15855291	8003	Reports		12/8/1980	ANALYTICAL	Surface Water		22	Analytical Report
15855028	8003	Compliance	Notice	12/23/1980		Surface Water		2	Notice of Service

LDEQ EDMS DOCUMENT QUERY RESULTS
query was run on 4/5/2007 10:13:53 AM

Document ID	AI	Document Type	Document Subtype	Date	Description	Media	Division	Pgs	Review Summary - (Added by E&E)
15855030	8003	Legal		12/23/1980		Surface Water		7	Notice of Violation Compliance Order – on 12/18/1980 odor complaints prompted LDNR inspection of the facility. Violations included oil and other chemicals discharging to the Mississippi River (MR), oil and chemical wastes overflowed onto the batture, and evidence on the barge decks of discharged directly into the MR. Also GMS had constructed and operated equipment for which no air emission permit had been granted.
21721042	8003	Correspondence-Received		12/23/1980		Air Quality		4	Notice of Violations and Compliance order
15855026	8003	Correspondence-Sent		1/13/1981		Surface Water		2	Letter of intent to discuss notice of violation
15855024	8003	Correspondence-Internal	Note/Memo	1/22/1981		Surface Water		2	Memo to Asst Sec of DNR re the violation
22051339	8003	Permits		1/23/1981		Air Quality		4	Request by GMS for extension
15855259	8003	Reports	Inspection	2/24/1981		Surface Water		30	NPDES Compliance inspection Report
15855258	8003	Reports		3/2/1981	ANALYTICAL RESULTS	Surface Water		1	Analytical results from lab tests
21720703	8003	Forms		4/7/1981		Air Quality		61	Draft Application for Approval of Emissions
15855313	8003	Correspondence-Received		4/10/1981		Surface Water		2	Memo on alleged water violations
21721037	8003	Correspondence-Internal	Note/Memo	4/13/1981		Air Quality		2	Newspaper Article
15855255	8003	Reports		5/22/1981	SAMPLE	Surface Water		3	Samples collected for analysis
15855250	8003	Reports		5/28/1981	ANALYSIS	Surface Water		5	Addendum to samples reported
15855249	8003	Reports	Inspection	1/27/1983		Surface Water		1	Installation Inspection Form
15855248	8003	Reports	Inspection	1/5/1984		Surface Water		1	Facility Inspection Form
15855037	8003	Correspondence-Internal	Note/Memo	5/24/1988		Surface Water		2	Memo of Inspection. Recommendation of site to be turned over to Inactive and Abandoned Sites program.
21721026	8003	Correspondence-Internal	Note/Memo	5/16/1995		Air Quality		1	Memo stating that GMS was not operating
23350464	8003	Reports	Inspection	9/4/2001		Surface Water		1	Field Interview Form
27556097	8003	Correspondence-Sent		6/9/2003		Inactive & Abandoned Sites	Remediation Services	3	Referral of Potential Superfund Sites, GMS included

LDEQ EDMS DOCUMENT QUERY RESULTS

query was run on 4/5/2007 10:13:53 AM

Document ID	AI	Document Type	Document Subtype	Date	Description	Media	Division	Pgs	Review Summary - (Added by E&E)
32451020	8003	Reports		1/8/2004	Preliminary evaluation assessment phase I	Inactive & Abandoned Sites	Remediation Services	71	Preliminary PA by E&E
32451128	8003	Reports		1/8/2004	Preliminary evaluation assessment phase I-cover page	Inactive & Abandoned Sites	Remediation Services	1	PA Phase 1
32451130	8003	Reports		1/8/2004	Site screening	Inactive & Abandoned Sites	Remediation Services	1	Site Screening

APPENDIX 8

FACILITY OWNER INFORMATION

Louisiana Secretary of State
COMMERCIAL DIVISION
Corporations Database

Louisiana Secretary of State
Detailed Record

Charter/Organization ID: 30225860F

Name: GILMAR MARINE SERVICES, INC.

Type Entity: Business Corporation (Non-Louisiana)

Status: Not Active (Action by Secretary of State)

2007 Annual Report/Reinstatement form is required in order to reinstate **Print Annual Report/Reinstatement Form For Filing**

Mailing Address: 100 FIFTH AVENUE, PITTSBURGH, PA 15222

Domicile Address: 100 WEST 10TH STREET, WILMINGTON, DE 19801

Principal Office: 100 FIFTH AVENUE, PITTSBURGH, PA 15222

Principal Bus. Est. in Louisiana: 1500 RIVER ROAD, BATON ROUGE, LA 70802

Qualified: 06/13/1973

President: RAYMOND A. SMEGO, 1750 PATRICK PL., LIBRARY, PA 15129

Secretary: LOIS V. SMEGO, 1142 WOODLAWN, BETHEL PARK, PA 15102

Treasurer: RAYMOND A. SMEGO, 1750 PATRICK PL., LIBRARY, PA 15129

Additional officers may exist on document

Amendments on File
STMT OF CHG OR CHG PRIN BUS OFF (FOREIGN (07/06/1993)
STMT OF CHG OR CHG PRIN BUS OFF (FOREIGN (04/01/1986)
REVOKED (10/21/1985)
STMT OF CHG OR CHG PRIN BUS OFF (FOREIGN (02/22/1985)

New Search | View Cart

APPENDIX 9

PROPERTY OWNERSHIP DOCUMENTATION

COMPILED MAP

This map was carefully compiled from official records of Parish and is a true layout of property, as of this date, to the best of my knowledge and belief. Servitudes are not necessarily shown.

Dated July 6 1963 E. R. Nilson

Copyright 1963 by E. R. Nilson Map Service

COMPILED BY E. R. NILSON MAP SERVICE

SCALE: 1" = 75'

MISSISSIPPI RIVER

SOUTH BOULEVARD

Mrs. Eleanor C. Witter

CITY OF BATON ROUGE (Old City Docks)

RIVER ROAD

George Bonglovanni Lot B 3.088 Ac.

OKLAHOMA STREET

COMPILED BY E. R. NILSON MAP SERVICE

SCALE: 1" = 75'

MISSISSIPPI RIVER

George Bonglovanni Lot B 3.088 Ac.

OKLAHOMA STREET

Lot T

Lot D

Lot C

7.080 Ac.

John P. Nelson, Jr.

N½ of R

S½ of R 2.202 Ac.

Alphonse L. Babin, Sr. Lot S 5.048 Ac.

Borrow Pit

RIVER ROAD

Home

Lot Q 4.026 Ac.

Alphonse L. Babin, Sr.

Dahlinger, Inc.

Recorded Maps

DISPLAY PROPERTY INFORMATION DPTTTI07

PROPERTY NUMBER 00629871 TYPE-WARD-SECT-ASSESS 1 1 3 29761

NAME1 W.W. MINERALS, INC. OWNER NO 504-2426-2

NAME2

ADDR 8126 ONE CALAIS AVE., SUITE 1-C

ADDR

ADDR BATON ROUGE, LA 70809 ZIP 70809

SUBDIV

LOT ACRES

SQUARE

LAND ASSESS 0

LOT ASSESS 19,000

IMPROVEMENT 0

HOMESTEAD EXEMPTION 0

HMSTD EXEMPT AMT 0.00

INTEREST DUE 0.00

INTEREST PTD 0.00

INTEREST RTD 0.00

COST DUE 0.00

COST PTD 0.00

COST RTD 0.00

CALC BALANCE DUE 0.00

PF9-RETURN TO PREVIOUS SCREEN

******* PROPERTY DESCRIPTION *******

FOUR CERTAIN LOTS DESIGNATED AS BATTURE LOTS T, D. C AND R, SUB. OF THE A. STRENZKE AND E. WITTING TRACTS, SUB. MAGNOLIA, FRONTAGE OF 874.50 FT. ON EAST SIDE OF MISSISSIPPI RIVER, NORTH LINE OF 493.53 FT.; SOUTH LINE OF 436.03 FT. 1973. (54-8584).

(11-16-84) (8-9710)

Louisiana Secretary of State
COMMERCIAL DIVISION
Corporations Database

Louisiana Secretary of State
Detailed Record

Charter/Organization ID: 34131348D

Name: W W MINERALS, INC.

Type Entity: Business Corporation

Status: Active

Annual Report Status: In Good Standing **Add Certificate of Good Standing to Shopping Cart**

Last Report Filed on 12/22/2006

Mailing Address: 8568 GOODWOOD BLVD., BATON ROUGE, LA 70806

Domicile Address: 8568 GOODWOOD BLVD., BATON ROUGE, LA 70806

File Date: 12/30/1983

Registered Agent (Appointed 3/20/1986): JAMES O. ERVIN, 8126 ONE CALAIS AVE., #1C, BATON ROUGE, LA 70809

President: JAMES O. ERVIN, 8126 ONE CALAIS AVE., BATON ROUGE, LA 70809

New Search | View Cart

1 Result matching "(225) 769-7502"

Need More Help With Your Search?

Ervin, James O Atty
street address not available
Baton Rouge, LA 70810
(225) 769-7502

SPONSORED LINKS

Power Web Search

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Map and Driving Directions

Printer-Friendly

Send Listing to my Email or Cell

Find Nearby Businesses

Type: Land Line
Provider: South Central Bell

Due to number portability, some numbers have been transferred to a new service provider.

APPENDIX 10

RECORDS OF COMMUNICATION

Will Farrar
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:
Name: JAMES O ERVIN
Association: W W MINERALS
Address:

Phone: 225-769-7507
(Area Code) (Number)

Date: 5/26/07
(Mon) (Day) (Year)
Time: 405 AM/PM
[✓] Originator Placed Call
[ ] Originator Received Call

Proj. No.:

Subject: GILMAR MARINE SERVICES

Discussion: MR ERVIN CONFIRMED THAT W W MINERALS REMOVED TANKS & THEIR CONTENTS. THEY HIRED A FIRM (ENVIRONMENTAL) FROM SHREVEPORT, LA TO REMOVE & DISPOSE OF TANK CONTENTS & SCRAP TANKS AROUND 1990. HE DID NOT REMEMBER THE NAME OF THE FIRM BUT COULD RETRIEVE THE RECORDS IF REQUIRED.

MR ERVIN ALSO STATED HE HAS TRIED TO GATE & FENCE THE FACILITY, BUT THE GATE WAS ~~often~~ KNOCKED DOWN. AFTER THE LOCK WAS CUT SEVERAL TIMES.

HE HAS NOT OBSERVED NOR IS AWARE OF ANY RESIDUAL CONTAMINATION AT THE FORMER FACILITY LOCATION BUT HE HAS HAD PROBLEMS W/ DUMPING OF OLD APPLIANCES & TREE STUMPS.

Follow-Up-Action:

Originator's Signature: [signature]

Louisiana Department of Environmental Quality
FIELD INTERVIEW FORM

Agency Interest #: 8003

Inspection Date: 08/10/2016
Departure Date: 08/10/2016

Time of Arrival: 8:10 AM
Time of Departure: 9:09 AM

Facility Name: Gilmar Marines Site
Phone #:
Location: 1500 South River Road
Baton Rouge, Louisiana

Parish Name: East Baton Rouge

Mailing Address:
Street/P.O. Box City State Zip

Facility Representative: Title:

Inspection Type: Remediation Program Involved: ☐ Air ☐ Waste ☐ Water Other

Inspector's Observations: (e.g. Areas and Equipment Inspected, Problems, Deficiencies, Remarks, Verbal Commitments from Facility Representatives)

The Team Leader traveled to the site to conduct a joint site reconnaissance inspection with EPA. The TL traveled along what appeared to be a road going towards the leeve on the Batture side of the leeve. The area was heavily vegetated and completely overgrown. The EPA was able to determine through site maps and this inspection a projection in the development of a plan for clearing and grubbing the site for the purpose of site sampling activities. The TL along with Edwin Akujobi, and Keith Horn met EPA at the site on August 9, 2016 but was unable to conduct the inspection due to a law enforcement incident.

Areas of Concern	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): Regina Atterberry Philson

Attachments:

Reviewer:

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.

Office of the Planning Commission

City of Baton Rouge and Parish of East Baton Rouge
Post Office Box 1471, Baton Rouge, Louisiana 70821
or
1755 Florida Street, 3rd Floor, Baton Rouge, LA 70802
Phone (225) 389-3144 Fax (225) 389-5342

Troy L. Bunch, FASLA
Planning Director

RECEIVED
JUN 24 2008
LA DEPT OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # FY2009-5

June 16, 2008

Mr. Keith Casanova, Administrator
Louisiana Department of Environmental Quality
Remediation Services Division
Post Office Box 4314
Baton Rouge, Louisiana 70821-4314

Remediation Services Division
Manager Blanchard
Team Leader Picou
AI #: 20655
TEMPO Task
Date 8/5

Dear Mr. Casanova:

Enclosed, please find a Voluntary Remedial Investigation Application Form, Partial Voluntary Remedial Action Supplemental Application Form, and Remedial Investigation Work Plan for Baton Rouge Brownfields site BR119 (1320 Highland Road) for your review and approval. As described in this Remedial Investigation Work Plan, soil and groundwater samples will be collected to define site characteristics and to determine the nature and extent of contaminants for closure of the site under the Louisiana Department of Environmental Quality's (LDEQ's) Voluntary Remediation Program (VRP) and the Risk Evaluation/Corrective Action Program (RECAP), as applicable. A copy of the Remedial Investigation Work Plan has also been submitted to the U.S. Environmental Protection Agency for review of the Quality Assurance Project Plan.

Sampling activities will be initiated upon receipt of LDEQ approval of this Remedial Investigation Work Plan. The City-Parish Planning Commission will notify LDEQ in advance of mobilization to the site to allow a representative to be present, if desired.

Please contact our office if you have any questions regarding this information.

Sincerely,

Troy L. Bunch, FASLA
Planning Director

RECEIVED
JUN 23 2008
LDEQ

Enclosure

TLB/BMH/st

c: Duane Wilson, Staff Scientist, Louisiana Department of Environmental Quality
Tyson Hackenberg, Business Line Manager, Shaw Environmental and Infrastructure
Ellen Miller, Assistant Planning Director

RECEIPT OF CHECK

AI Number	**20655**
Company Name	**Providence Engineering**
Site Name/	**Personal Touch Car Wash & Used Tires**
Phone	**225-766-7400**
Date Received	**6/24/08**
Date on Check	**6/12/08**
Check Number	**12563**
Amount Received	$500.00

Check one Media:

☐ Accident Prevention	☐ Ground Water	☐ Radiation
☐ Air Quality	☐ Hazardous Waste	☐ Solid Waste
☐ Air Toxics	X Inactive and Abandoned Sites	Underground Storage Tanks
☐ Asbestos and Lead	☐ Multi-Media	☐ Water Resources

Comments:

VRP application fee

Initials:

vrt

form_5202_r00
08/11/04

JUNE 2008

BATON ROUGE CITY PARISH PLANNING COMMISSION

REMEDIAL INVESTIGATION WORK PLAN 1320 HIGHLAND ROAD SITE, BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA AI NUMBER 20655

Prepared By:

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, Louisiana 70802
(225) 766-7400

Project Number 146-007

PROVIDENCE

Voluntary Remedial Investigation Application Form

Voluntary Remediation Program
Louisiana Department of Environmental Quality

The remedial investigation work plan for this site and the application review fee must be included with this Voluntary Remedial Investigation Application form, as provided in LAC 33:VI.911.A, or this Voluntary Remedial Investigation Application will be considered incomplete and not be accepted for review.

I. Applicant Information		
Section A: Applicant		
Name/ Company Name: OSBR Land, LLC		
Mailing Address: 402 N. Fourth St		
City: Baton Rouge	State:LA	Zip Code:70802
Contact Person:Mark Goodson		
Phone No:225-267-6300	Fax No:225-267-6306	
Email Address:mgoodson@c-pex.org		
Interest in Property:Property Owner		
Section B: Co-Applicant		
Name/ Company Name:		
Mailing Address:		
City:	State:	Zip Code:
Contact Person:		
Phone No:	Fax No:	
Email Address:		
Interest in Property:		
Section C: Co-Applicant		
Name/ Company Name:		
Mailing Address:		
City:	State:	Zip Code:
Contact Person:		
Phone No:	Fax No:	
Email Address:		
Interest in Property:		
Section D: Current Property Owner (if different form applicants)		
Name/ Company Name:		
Mailing Address:		
City:	State:	Zip Code:
Contact Person:		
Phone No:	Fax No:	
Email Address:		

II. Site Information
Agency Interest Number (if exist):20655
Site Name:Personal Touch Car Wash and Used Tire
Parish:East Baton Rouge Parish
Property Size (acres):
Physical address or direction and distance from nearest intersection:1320 Highland Rd, Baton Rouge, LA, 70802
Latitude: 30 ° 26 " 9.3 '
Longitude: 91 ° 11 " 6.2 '
Section/Township/Range (attach legal property description):S52 / T7S / R1W
Adjacent Property Owners (persons listed as owners of the adjacent properties on the rolls of the parish tax assessor as of the date on which the voluntary remediation application is submitted):The State of Louisiana through the Board of Elementary and Secondary Education, Woodrow A. Jones, Jonco Properties, Inc., Alfred J. Jackson, Franklin Press, Inc., Bank One, N.A., Alsie Banks, Stella M. Banks, Southland Properties, Inc., James Ross, Harold Ross, Charlene Ross
Current Property Use (Describe in detail. Use percentages if more than one use.):The subject tract currently supports one commercial building associated with the former Personal Touch Car Wash and Used Tire business operations at the site. Two abandoned houses are also located on the site near the corner of Highland Road and Oklahoma Street. These buildings are currently not being utilized, and will be demolished prior to redevelopment of the site. Development plans for the property include a mix of residential and commercial use. However, the property will be developed primarily for residential use.
Past (historical) Property Use (Describe in detail):Prior ownership/use included a church (St. Paul's Baptist Church/Rock Zion Baptist Church), a service station (formerly Highland Gulf) and most recently an auto detailing and tire station (Personal Touch Car Wash and Used Tire). This property currently houses an abandoned commercial building from the most recent operations. Other portions of the

subject property were used for residential purposes. Two houses currently present at the site are vacant.

Underground Storage Tank (UST) Registration Certificates for 1320 Highland Road are on file at the LDEQ for the years 2003 and 2005. Registered tanks included three 8,000 gallon gasoline tanks and one 500 gallon used oil tank. However, based on additional information contained in LDEQ's files (i.e. a Field Interview Form dated June 7, 2004), these tanks may have been closed in place sometime prior to 2004. Seven groundwater monitoring wells are also present at the site.

Future Property Use (Describe in detail. Use percentages if more than one use.):Development plans for the property include a mix of residential and commercial use. However, the property will be developed primarily for residential use.

Current Land Use Surrounding Property:Surrounding land use supports commercial and residential development. Specifically, the subject property is bordered to the north across Terrace Avenue by vacant lots and a technical college, to the south by residential properties, and to the west by both residential and vacant lots. The Highland Terrace Mechanic Shop (formerly Highland Terrace Amoco; Agency Interest Number 20637) is located at 1375 Highland Road, opposite the subject property and to the east. Franklin Printing Press is also located to the east of the subject property along Highland Road.

Contaminant Type(s) and Affected Media:Soils - Chromium, BTEX
Groundwater - BTEX, Volatile and Extractable Petroleum Hydrocarbon fractions, Metals, PAHs

Applicant(s) must also attach to this form all available historical assessment and or investigation information available for the site, including Phase 1 and 2 Assessments, analytical data, etc.

III. Eligibility Information		
Permitted Hazardous Waste Unit(s) on site?	☐ Yes	☒ No
Site Proposed for Listing on the NPL?	☐ Yes	☒ No
Site Listed on the NPL?	☐ Yes	☒ No
Any Pending Federal Environmental Enforcement Actions Associated with the Site?	☐ Yes	☒ No
If yes, explain N/A		
Any portion of the site UST Trust Fund Eligible?	☐ Yes	☒ No
If yes, explain N/A		

IV. Type of Voluntary Remedial Action Proposed
☐ Voluntary Remedial Action
☒ Partial Voluntary Remedial Action (See note below)

If Partial Voluntary Remedial Action is checked, the applicant and co-applicants must each complete and attach a Partial Remedial Action Supplemental Application Form.

V. Certification	
All applicants must certify the following with their signature below:	
I (we) certify that all of the information I (we) have provided in this Voluntary Remedial Investigation Application is true and correct to the best of my information, knowledge, and belief. I (we) understand and agree that I (we) am obligate to update and notify this application if I (we) learn that information that I (we) have provided is misleading or no longer correct. I (we) further certify that I (we) understand I (we) am responsible for and agree to reimburse the Louisiana Department of Environmental Quality for all actual direct costs associated with reasonable and appropriate oversight activities of the Department conducted pursuant to LAC 33:VI. Chapter 9, including, but not limited to, review, supervision, investigation, and monitoring activities.	
Primary Applicant Signature:	Date: 5-08-08
Co-Applicant Signature:	Date:
Co-Applicant Signature:	Date:

Partial Voluntary Remedial Action Supplemental Application Form

Voluntary Remediation Program
Louisiana Department of Environmental Quality

If a partial remediation is to be performed, one each of this form must be completed by the applicant and by each co-applicant and attached to the Application Form.

A Partial Remediation Agreement must be completed. Contact the Team Leader for the form.

I. Applicant Information		
Check One: ☒ Applicant ☐ Co-Applicant		
Name/ Company Name: OSBR Land, LLC		
Agency Interest Number (if one exists): 20655		
Site Name: Personal Touch Car Wash and Used Tire		
Interest in Property:Property Owner		
II. Answer the following questions by checking the appropriate answer		
Were you a generator who generated a hazardous substance that was disposed of or discharged at the site?	☐ Yes	☒ No
Were you a transporter who disposed of or discharged a hazardous substance or hazardous waste at the site?	☐ Yes	☒ No
Were you a disposer who disposed of or discharged a hazardous substance or hazardous waste at the site?	☐ Yes	☒ No
Did you contract with someone for transportation or disposal at the site?	☐ Yes	☒ No
III. If you are or were an owner or operator of the site subsequent to the disposal of hazardous waste, answer the following questions by checking the appropriate answer		
Were you engaged in the business of generating, transporting, storing, treating, or disposing of a hazardous substance or hazardous waste on or in the site?	☐ Yes	☒ No
Did you knowingly permit any person to make regular use of the property for disposal of waste?	☐ Yes	☒ No
Did you knowingly permit any person to use the site for disposal of a hazardous substance?	☐ Yes	☒ No
Did you know or should you have reasonable known that a hazardous substance was located in or on the site at the time right, title, or interest in the site was first acquired by the person and engaged in conduct associating that person with the discharge or disposal?	☐ Yes	☒ No
Did you take action that significantly contributed to the discharge or disposal after that person knew or reasonable should have known that a hazardous substance was located in or on the site?	☐ Yes	☒ No

NOTE: If "Yes" is answered to any question, applicant is not eligible for a partial remediation.

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1.0 INTRODUCTION

This Remedial Investigation Work Plan describes field sampling activities to be conducted in support of an assessment of the subject property shown in **Figures 1** (Site Location Map) and **2** (Area Parcel Map). The site includes 1320 Highland Road (Personal Touch Car Wash and Used Tire; Agency Interest Number 20655) in Baton Rouge, East Baton Rouge Parish, Louisiana and several neighboring lots (see **Figure 2**). The site is herein referred to as the "1320 Highland Road Site" for simplicity purposes, but includes all lots located within the property boundary as shown in **Figure 2**.

Phase I and Phase II Environmental Site Assessment (ESA) activities have been conducted at the subject property on behalf of the City Parish Planning Commission (CPPC) by Providence Engineering and Environmental Group LLC (Providence). Based on the results of the Phase II ESA activities as further described in Section 3.0, Constituents of Concern (COC) have been detected at the site in soil and groundwater at concentrations exceeding the Louisiana Department of Environmental Quality's (LDEQ's) Risk Evaluation/Corrective Action Program (RECAP) Screening Standards. As described in this Remedial Investigation Work Plan, soil and groundwater samples will be collected to further define site characteristics and to determine the nature and extent of contaminants under the LDEQ's Voluntary Remediation Program (VRP) and the RECAP, as applicable. The site investigation activities will be funded under a grant from the Baton Rouge Brownfields Program, which is administered by the CPPC.

The specific methods and protocol for collecting samples, the analytical procedures and parameters of interest, the field and laboratory Quality Assurance/Quality Control (QA/QC) protocol that will be followed, and the estimated schedule to complete the proposed field sampling activities are presented herein. All site investigation activities will be conducted in accordance with this Remedial Investigation Work Plan as approved by the LDEQ and applicable VRP/RECAP site investigation requirements.

2.0 SITE DESCRIPTION

2.1 Site Location

The location of the property is shown on **Figure 1**. The subject property includes 1320 Highland Road in Baton Rouge, Louisiana and neighboring lots as shown in **Figure 2**. The current layout of the property is shown on the site aerial photograph provided as **Figure 3**.

2.2 Current/Intended Future Use of the Property

The subject tract currently supports one commercial building associated with the former Personal Touch Car Wash and Used Tire business operations at the site. Two abandoned houses are also located on the site near the corner of Highland Road and Oklahoma Street. These buildings are currently not being utilized, and will be demolished prior to redevelopment of the site. Development plans for the property include a mix of residential and commercial use. However, the property will be developed primarily for residential use.

2.3 Current Uses of Adjoining Properties

Surrounding land use supports commercial and residential development. Specifically, the subject property is bordered to the north across Terrace Avenue by vacant lots and a technical college, to the south by residential properties, and to the west by both residential and vacant lots. The Highland Terrace Mechanic Shop (formerly Highland Terrace Amoco; Agency Interest Number 20637) is located at 1375 Highland Road, opposite the subject property and to the east. Franklin Printing Press is also located to the east of the subject property along Highland Road.

2.4 Site Hydrology, Geology, and Hydrogeology

Elevation at the site is approximately 45 feet above the National Geodetic Vertical Datum (N.G.V.D.) for mean sea level. Drainage from the site appears to be to the west.

The site occurs within the southwestern Holocene backswamp deposits. They consist of fine-grained, usually clayey and often organically rich sediments that underlie flood basins between meander-belts. Based on borings installed at the site during the Phase II ESA activities (see **Appendix A**), the shallow subsurface is characterized by a silty to sandy clay to the depth of the boreholes [maximum of 24 feet below ground surface (ft bgs)]. An intermittent transmissive zone (typically comprised of silt to clayey silt) was observed in borings at approximately 15 ft bgs. The transmissive zone was approximately three feet thick. Underlying the transmissive zone is a confining clay layer.

2.5 Current Groundwater Use

A survey of the Louisiana Department of Transportation and Development (LDOTD) registered water wells located within a one-mile radius of the site was conducted. As shown in **Appendix B**, there are 88 registered wells within a one-mile radius of the site. Most of the wells registered are either plugged, abandoned, monitoring wells, or piezometers. Four of the 88 registered wells are utilized as public use; however the wells are all drilled to a depth of over 2,200 feet. Other registered wells include four

observation wells, one domestic well, and one cathodic protection well, and one irrigation well.

2.6 Site History

A search of previous land use and activity was conducted through both a review of historical Sanborn Map reports (1923, 1946, 1950, and 1969) and through a City Directory search conducted by Environmental Data Resources, Inc. During prior ownership, the three lots identified as "UND" and lot 3 on **Figure 2** housed residential properties, a church (St. Paul's Baptist Church/Rock Zion Baptist Church), a service station (formerly Highland Gulf) and most recently an auto detailing and tire station (Personal Touch Car Wash and Used Tire). This property currently houses an abandoned building from the most recent operations. Lot 4E of the subject property was used for residential purposes (1350, 1352, 1356, and 1358 Highland Rd) until the mid 1990's, at which time the area became vacant. The remainder of the property all served as residential lots up to as recently as 2007 (1378 Highland Rd), but are all now vacant.

Underground Storage Tank (UST) Registration Certificates for 1320 Highland Road are on file at the LDEQ for the years 2003 and 2005. Registered tanks included three 8,000 gallon gasoline tanks and one 500 gallon used oil tank. However, based on additional information contained in LDEQ's files (*i.e.* a Field Interview Form dated June 7, 2004), these tanks may have been closed in place sometime prior to 2004. Seven groundwater monitoring wells are also present at the site.

3.0 PREVIOUS SITE INVESTIGATION ACTIVITIES

Providence was contracted by the CPPC to conduct a Phase I ESA of the site and surrounding properties. Based on the results of the Phase I ESA, recognized environmental conditions were identified at the site. Soil and groundwater samples were collected as part of Phase II ESA activities conducted at the site in September 2007 to determine if impacts from previous operations at the site are present prior to redevelopment of the site under the Baton Rouge Brownfields Program administered by the CPPC.

Phase II activities conducted in September 2007 included the installation of seven borings for the collection of soil and groundwater samples. Soil and groundwater analytical results are summarized in **Tables 1** and **2**, respectively. Boring locations are shown in **Figure 3**, while the boring logs are provided in **Appendix A**. The analytical laboratory reports are provided as **Appendix C**. Field activities were conducted in accordance with the LDEQ's RECAP and the September 2007 Quality Assurance Project Plan (QAPP) as approved by the United States Environmental Protection Agency (USEPA). Results of the Phase II ESA are summarized in the following sections.

3.1 Soil Analytical Results

Soil analytical testing parameters included benzene, toluene, ethylbenzene and total xylenes (BTEX), semivolatile organic compounds (SVOCs), volatile and extractable petroleum hydrocarbon (*i.e.* VPH and EPH) fractions, and 8 Resource Conservation and Recovery Act (RCRA) total metals. As shown in **Table 1**, soil analytical results were compared to the soil Limiting Screening Standards (LSS) applied based on non-industrial land use, as redevelopment plans include a mix of residential and commercial use. The soil LSS applied were the lower of the RECAP Non-Industrial Soil ($Soil_{SSni}$) and the Soil Protective of Groundwater ($Soil_{SSGW}$) standards provided in Table 1 of RECAP (LDEQ 2003).

Detected concentrations were less than the LSS applied, with the exception of the following:

- Benzene concentration of 0.13 milligrams per kilogram (mg/Kg) exceeded the LSS applied of 0.051 mg/Kg at location B-7 (0-2).
- Detected concentrations of chromium exceeded the LSS applied of 23 mg/Kg in soil samples collected from borings B-4 (26-28) and B-6 (0-2). Maximum detected chromium concentration was 182 mg/Kg.

Based on initial testing results, the detected concentration of 234 mg/Kg of lead at location B-4 (0-2) exceeded the LSS applied of 100 mg/Kg. Based on subsequent Synthetic Precipitation Leaching Procedure (SPLP) lead analysis, concentrations in soils were determined to be protective of groundwater per Section H1.1.1 of RECAP (LDEQ 2003), as the SPLP-lead concentration of 0.00515 milligrams per liter (mg/L) is less than the GW1 x 20 (or, 0.015 mg/L x 20 = 0.3 mg/L). Therefore, the $Soil_{SSni}$ of 400 mg/Kg was applied as the LSS for lead. Lead concentrations were less than 400 mg/Kg.

Due to potential pica concerns for any future child residents at the site, and a need to better understand the possible source of lead in this area of the site, additional testing of soil lead concentrations was conducted in December 2007 in the vicinity of B-4. Additional lead samples were collected from a total of 10 surface soil locations, including borings B-4 (A) through B-4 (J). As shown in **Table 1**, additional lead testing results ranged from 2.62 – 5.05 mg/Kg. Based on the pattern of detected concentrations, the detected lead concentration of 234 mg/Kg appears to be an anomalous, localized impact. Borings locations are included in **Figure 3**, and the analytical laboratory report is included in **Appendix C**.

3.2 Groundwater Analytical Results

Groundwater analytical results were compared to the RECAP Groundwater Screening Standard (GW_{SS}) provided in Table 1 of RECAP

(LDEQ 2003). The groundwater analytical results compared to the respective GW_{SS} are summarized in **Table 2**.

Groundwater samples were analyzed for BTEX, polycyclic aromatic hydrocarbons (PAHs), VPH and EPH fractions, and total RCRA metals. As shown in **Table 2**, all borings had at least one COC detected at concentrations exceeding the GW_{SS} applied. COC detected above the GW_{SS} in at least one boring included:

- Benzene
- Ethylbenzene
- C_8-C_{10} Aliphatics
- C_8-C_{10} Aromatics
- C_{10}-C_{12} Aliphatics
- C_{10}-C_{12} Aromatics
- C_{16}-C_{21} Aromatics
- C_{21}-C_{35} Aromatics
- Total Mercury
- Total Arsenic
- Total Barium
- Total Cadmium
- Total Chromium
- Total Lead
- 2-Methylnaphthalene
- Naphthalene

Maximum detected concentrations of petroleum hydrocarbons and indicator constituents (*i.e.* benzene, ethylbenzene, applicable VPH and EPH fractions, 2-methylnaphthalene, and naphthalene) were observed at location B-6. For metals, maximum detected concentrations were observed at location B-3.

Location B-3 is outside the current property boundary as shown in **Figure 3**. In addition to total mercury, arsenic, barium, cadmium, chromium, and lead, 2-methylnaphthalene was also detected above the GW_{SS} at this location. Exceedances observed at location B-3 will not be addressed as part of the delineation activities as proposed herein.

4.0 SITE INVESTIGATION ACTIVITIES

A total of ten borings, nine delineation borings and one boring for further source characterization at existing sampling location B-6, are proposed to be advanced for soil and/or groundwater sample collection. Further source characterization will be conducted prior to and separate from the delineation effort. The delineation borings will be installed after results of the source characterization borings are reviewed. The specific methods that will be followed for the collection of soil and groundwater samples are summarized in the following sections.

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SEP 2 1 2010

LDEQ RECEIPT

2010 SEP 21 AM 3 34

Shaw Environmental, Inc.
4171 Essen Lane
Baton Rouge, LA 70809
225-932-2500
FAX: 225-987-7300

Shaw™ Shaw Environmental, Inc.

September 20, 2009

Remediation Services Division
Manager:
Team Leader: Duane Wilson
AI #: 20655
TEMPO Task #:
☐ Desk Copy File Room: VS

Mr. Thomas F. Harris, Administrator
Remediation Services Division
Louisiana Department of Environmental Quality
P.O. Box 4313
Baton Rouge, Louisiana 70821-4313

Re: Voluntary Remedial Action Report
OSBR Land, LLC
1320 Highland Road
Baton Rouge, East Baton Rouge Parish, Louisiana
Agency Interest No. 20655

Dear Mr. Casanova:

On behalf of OSBR Land, LLC, Shaw Environmental, Inc. is pleased to submit three (3) copies of the Voluntary Remediation Program Remedial Action Report for the above referenced facility.

If you have any questions, or need additional information, please do not hesitate to call me at (225) 987-7323.

Sincerely,
Shaw Environmental, Inc.

Tyson Hackenberg
Senior Project Manager

Attachments

Cc: Mr. Duane Wilson, LDEQ
Mr. Cornelius Payne, OSBR Land, LLC
Ms. Susan Ludwig, CPEX

VOLUNTARY REMEDIATION PROGRAM (VRP) REMEDIAL ACTION REPORT

OSBR Land, LLC
1320 Highland Road
Baton Rouge, Louisiana

Agency Interest No. 20655
Project No. 135684

September 2010

Prepared for:

OSBR Land, LLC
1614B Oretha Castle Haley Boulevard
New Orleans, Louisiana 70113

Prepared by:

Shaw Environmental, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

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Appendix F	Survey Map
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Acronyms and Abbreviations

bgs	Below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
COC	Constituent of Concern
CSI	Confirmatory Site Investigation
EPA	U.S. Environmental Protection Agency
LAC	Louisiana Administrative Code
LDEQ	Louisiana Department of Environmental Quality
LDOTD	Louisiana Department of Transportation and Development
mg/Kg	milligrams per kilogram
mg/L	milligrams per liter
MO-2	Management Option 2
MTBE	Methyl-Tert-Butyl Ether
NOI	Notice of Intent
OSBR	OSBR Land, LLC
PAH	Polycyclic Aromatic Hydrocarbons
Providence	Providence Engineering and Environmental, LLC
QA/QC	Quality Assurance/Quality Control
REC	Recognized Environmental Condition
RECAP	Risk Evaluation/Corrective Action Program
RS	RECAP Standard
SAP	Sampling and Analysis Plan
SEMS	Southern Environmental Management Specialties, Inc.
$Soil_{esni}$	Non-Industrial Soil beneath Enclosed Structures
$Soil_{ni}$	Non-Industrial Soil Protective of Human Health
$Soil_{SSGW}$	Soil Protective of Groundwater
SPL	Southern Petroleum Laboratories
SST	Soil Sampling Train
SVI	Soil Vapor Insert
TBA II	Targeted Brownfields Assessment II Program
TPH-GRO	Total Petroleum Hydrocarbons-Gasoline Range Organics
TPH-DRO	Total Petroleum Hydrocarbons-Diesel Range Organics
TPH-ORO	Total Petroleum Hydrocarbons-Oil Range Organics
ug/m^3	Micrograms per cubic meter
UST	Underground Storage Tank
VRAR	Voluntary Remedial Action Report
VRAP	Voluntary Remedial Action Plan
VRIR	Voluntary Remedial Investigation Report
VRP	Voluntary Remediation Program

1.0 Introduction

OSBR Land, LLC (OSBR) is a single entity wholly owned by Gulf Coast Housing Partnership, Inc. This Voluntary Remediation Program (VRP) Remedial Action Report (VRAR) has been prepared to document remedial activities performed at the OSBR site located at 1320 Highland Road, Baton Rouge, Louisiana. This remediation was performed using, in part, funding from a EPA 104(k) Brownfields Cleanup Grant. A vicinity map showing the location of the site is provided as Figure 1. The remedial activities included removal of various subsurface features associated with historical use of the property as an automobile service station. The VRAR has been prepared pursuant to Louisiana Administrative Code (LAC) Title 33, Part VI, Chapter 9.

1.1 Site Description

The OSBR parcels, hereinafter referred to as "the site," include lots 1 through 7 and lot B of square 279, as illustrated in the site boundaries map included as Figure 2. This VRAP specifically targets lot 1 and a portion of lots 2 and 3 of square 279, which were historically operated as an automobile service station with an address of 1320 Highland Road.

The site is currently a vacant concrete paved lot, subsequent to the demolition of on-site structures in July 2008. Figure 3 presents a facility map with locations of pertinent former and existing site features, including boring locations from the voluntary remedial investigation.

Historically and prior to OSBR's acquisition of the site, businesses/tenants that operated at the subject site included a church, a service station, and an automobile detailing and tire business. During the time of operation as a service station, at least four USTs, two fuel dispensers, one hydraulic lift, and one service bay sump were operated on-site.

The site is proposed for a mixed use, residential and commercial, development by OSBR. Accordingly, remedial actions utilized site clean up goals based on non-industrial standards, pursuant to guidance included in the Louisiana Department of Environmental Quality's (LDEQ's) Risk Evaluation / Corrective Action Program (RECAP) document, dated October 2003.

2.0 Previous Activities

2.1 Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment Report*, dated June 2008, was prepared by Providence Engineering & Environmental Group, LLC (Providence). Findings of the Phase I Environmental Site Assessment included recognized environmental conditions (RECs) associated with former uses of the subject site.

2.2 Voluntary Remedial Investigation

The site was entered into the LDEQ's VRP, and a Voluntary Remedial Investigation Work Plan (Work Plan) was prepared and submitted to the LDEQ in June 2008. The Work Plan was approved by the LDEQ with modifications in correspondence dated October 22, 2008. The site investigation activities were completed in November 2008. A Voluntary Remedial Investigation Report (VRIR), which included a RECAP assessment, was submitted to LDEQ in December 2008. The VRIR was approved, with comment, by the LDEQ in correspondence dated March 6, 2009.

The results of the site investigation indicated that petroleum impacts were present in soil and groundwater, predominantly in the northern half of the property and in the immediate vicinity of the three 8,000 gallon underground storage tanks (USTs). The highest concentrations of petroleum hydrocarbon compounds in soil and groundwater were detected in the area of boring locations B-6 and B-10. Figure 3 depicts the sample locations from the Voluntary Remedial Investigation.

The Results of the VRIR revealed that groundwater concentrations of certain constituents of concern (COC) exceeded the limiting Management Option 2 (MO-2) RECAP Standards (RS). Additionally, the presence of the previously described components of a typical UST site and the potential for impacted soil surrounding those components constituted a potential risk to human health and the environment, if not addressed.

2.3 Voluntary Remedial Action Plan

A Voluntary Remedial Action Plan (VRAP) was prepared by Shaw and submitted to the LDEQ in July 2009. The proposed remedial action activities included excavation, removal, and disposal of the UST systems, the hydraulic lift system, the service bay sump and impacted soil (as necessary) in close proximity to the various components. The VRAP also allowed for the implementation of engineering and/or institutional controls, if necessary. The VRAP included a Sampling and Analysis Plan, Quality Assurance Plan, and Voluntary Remedial Action

application. The LDEQ issued final approval of the VRAP and Voluntary Remedial Action Application in correspondence dated September 3, 2009 (Appendix A).

3.0 VRP Remedial Actions and Results

3.1 Public Notice

Public notice and direct notification to adjacent landowners was made in accordance with LAC Title 33, Part VI, Chapter 9, Sections D & E. The public notice was published in *The Advocate* newspaper on July 15, 2009, followed within five days by certified letters to adjacent landowners. One public comment was received during the prescribed 30-day public comment period. LDEQ determined that the comment "....was not germane to the VRAP and does not require any changes in the VRAP." Shaw submitted public notice documentation to the LDEQ in correspondence dated August 19, 2009

Additionally, the public was invited to attend an informational meeting to discuss the remediation activities and planned redevelopment of the site. The meeting was held on-site the morning of September 21, 2009. The meeting was attended by representatives of LDEQ, CPEX, SEMS and Shaw.

3.2 Tank Closure Notification

Prior to beginning remediation activities, a notification of intent to perform a closure or Change-in-service to an UST system was completed and submitted to the LDEQ. A copy of the form approved by LDEQ is included in Appendix B.

3.3 Underground Storage Tank Removal and Soil Excavation

Under a competitive solicitation, OSBR procured the services Southern Environmental Management Specialties, Inc. (SEMS) to perform the remedial activities specified in the approved VRAP. On September 21, 2009, SEMS mobilized equipment and personnel to the site to initiate the remediation activities. Site activities concluded on October 29, 2009 following site restoration activities. The remedial activities are documented in photographs included in Appendix D. Details of the remedial activities are provided in a summary report prepared by SEMS and included in Appendix C and are summarized as follows.

A back hoe excavator was used to remove the USTs and perform the excavations. Prior to removal, the residual tank fluids and wash water were transported by vacuum truck to an LDEQ-approved disposal/recycling facility. The quantities of recovered fluid and other waste materials are summarized in Appendix C, including waste disposal documentation.

Removal of the four USTs and surrounding soil (fill) was performed on September 23 through 28, 2009. In accordance with the LDEQ's *Underground Storage Tank Closure/Change-In-Service Guidance Document* (October 2003), two soil samples were collected beneath each of

the three 8,000 gallon USTs at a depth of approximately 14 feet below ground surface (bgs). Additionally, two samples were collected beneath the 500 gallon used oil UST at a depth of approximately eight feet bgs. It was not necessary for samples of excavated material to be collected, as all excavated soil was loaded directly into end-dump trucks and immediately transported for offsite disposal at an approved off-site landfill. None of the excavated soil was used to backfill the excavation.

In accordance with the sampling and analysis plan included in the VRAP, confirmatory soil samples were also collected from beneath the former dispenser islands, the piping trenches and the service bay area following the removal of all subsurface equipment (hydraulic lift, service bay sump and product lines). Confirmatory soil sample locations are identified on a sketch prepared by SEMS and included in Appendix C. The areas of excavation are illustrated on Figure 4.

All confirmatory soil samples were delivered to Southern Petroleum Laboratories, Inc. (SPL) and initially analyzed for the following constituents as specified in the VRAP:

- Benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl-tert-butyl ether (MTBE) by U.S. Environmental Protection Agency (EPA) Method 8260B;
- Total petroleum hydrocarbons –gasoline range organics (TPH-GRO) by EPA Method 8015C;
- TPH–diesel range organics (TPH-DRO) by EPA Method 8015C;
- TPH –oil range organics (TPH-ORO) by EPA Method 8015C;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D; and
- RCRA metals by EPA Method 6000/7000 Series.

Laboratory analytical reports, including Quality Assurance/Quality Control (QA/QC) results are presented in Appendix C. Based on Shaw's data usability review, the laboratory analytical data is valid and can be used to determine if site concentrations meet remedial action goals. The results of the analyses are summarized in Tables 1 through 3.

3.4 Initial Soil Analytical Results

As shown in Tables 1 through 3, the majority of the analytical results for the samples collected during the remedial activities were below the appropriate limiting RS as established in the VRAP. Two sample locations resulted in TPH-DRO concentrations above the limiting RS. The exceedances occurred in sample USTP3 (piping trench), shown on Table 1, and sample HLN (service bay area), shown on Table 3. The RECAP exceedances were as follows:

- USTP3 – TPH-DRO concentration of 120 milligrams per kilogram (mg/Kg) exceeded the Limiting RS of 65 mg/Kg
- HLN – TPH-DRO concentration of 500 mg/Kg exceeded the Limiting RS of 65 mg/Kg

During the initial sample collection, sufficient sample volume was collected from each sample location and placed on hold. The additional sample volume was collected by Method 5035 and provided the ability to analyze any given sample for the appropriate aliphatic/aromatic carbon ranges (TPH fractions) in the case of a TPH exceedance. Upon receipt and review of the initial sample results, SEMS requested SPL analyze samples USTP3 and HLN for aliphatics (C_{10}-C_{35}) and aromatics (C_{10}-C_{35}). As shown in Tables 1 and 3, the results of the TPH fractionation were less than the limiting RS.

It should be noted that a maximum lead concentration of 311 mg/Kg was detected in soil sample HLS collected from the service bay area. While this concentration did not exceed the limiting RS of 400 mg/Kg established in the VRAP, it was the only lead concentration that exceeded the soil protective of groundwater ($Soil_{SSGW}$) RS of 100 mg/Kg. To eliminate any possible future concerns regarding this concentration, a 95 percent upper confidence limit on the arithmetic mean (95% UCL-AM) calculation was performed using a spreadsheet provided by LDEQ. The calculation provided a result of 47.6 mg/Kg, which is well below the $Soil_{SSGW}$ of 100 mg/Kg. A copy of the 95% UCL-AM spreadsheet is included as Appendix E.

As required by the LDEQ, SEMS submitted an Underground Storage Tank Closure Assessment report (Appendix C) to the LDEQ's UST Division on November 10, 2009. This report included documentation of the removed USTs

3.5 Attainment of Remedial Action Goals

As noted in Section 3.4, the confirmatory soil sample analytical results demonstrate that the remedial action goals have been successfully attained for the subject property in accordance with VRP regulations (LAC Title 33, Part VI, Chapter 9).

3.6 Waste Disposal

During the course of remedial activities, the following waste material was generated and properly disposed offsite:

- Approximately 2,112 tons of concrete pavement was transported by Dennis Stewart, Inc. to their recycling facility in Baton Rouge, Louisiana.
- Approximately 379 tons of excavated soil was transported to Waste Management's Woodside Landfill in Walker, Louisiana.

- Approximately 780 gallons of residual tank fluids and wash water were transported by Gator Environmental to their recycling facility in Port Allen, Louisiana.
- Approximately 2,923 gallons of excavation/rain water were transported by Gator Environmental to their recycling facility in Port Allen, Louisiana.
- The purged and cleaned 8,000 gallon tanks (3) were transported to Southern Scrap Recycling in Port Allen, Louisiana.
- The purged and cleaned 500 gallon tank was transported to Louisiana Scrap Metal Recycling in Port Allen, Louisiana.

Disposal documentation and manifests are included in SEMS Summary Report in Appendix C.

3.7 Excavation Backfill and Site Restoration

Heavy rainfall occurred at the site while awaiting completion of laboratory analyses. The rain resulted in excessive accumulations of rainwater in the excavations that required removal prior to backfilling activities. Following receipt of acceptable analytical results for water samples collected from each excavation, an LPDES Notice of Intent (NOI) to Discharge was submitted to and approved by LDEQ. Approximately 29,645 gallons of rainwater from the excavations was pumped into the storm drain near Glacier Street on October 12, 2009. The NOI and all supporting documentation are included in Appendix C.

Following removal of the rainwater, the excavations were surveyed to establish their dimension and location relative to site boundaries. The results of the survey are included in Appendix E.

The excavations were filled with clean imported river sand material on October 12 through 16, 2009. The perimeter fencing and all surface pavement was removed from the site on October 19 through 29, 2009.

Six monitor wells (MW-1 through MW-6) were identified on-site that apparently remained following historical site investigation/groundwater monitoring activities. According to the Louisiana Department of Transportation and Development (LDOTD) water well database, the well's registered owner was the LDEQ. As directed by LDEQ, SEMS removed wells MW-1 through MW-6 to complete the on-site remedial activities. Monitor well MW-1 was located near the gasoline/diesel UST hold and was removed during excavation/backfilling activities. The well material and surface completions of MW-2 through MW-6 were removed by SEMS and the resulting borehole was grouted with a cement-bentonite mixture in accordance with LDEQ/LDOTD requirements. SEMS prepared water well plugging and abandonment forms and submitted to LDOTD. Copies of the forms are included in Appendix C.

The site was graded and hydro seeded prior to SEMS demobilization on October 29, 2009.

4.0 Confirmatory Site Investigation

In addition to the affected soil at the site, the results of the VRIR also identified concentrations of several COCs exceeded the groundwater limiting MO-2 RS. In order to address the groundwater exceedances at the site, as discussed in the VRAP, a confirmatory site investigation (CSI) was conducted to further evaluate groundwater hydrocarbon concentrations at the site. The work was conducted under the LDEQ's Targeted Brownfields Assessment II (TBA II) Program.

As part of the TBA II program requirements, a Sampling and Analysis Plan (SAP) was prepared and submitted to the LDEQ on March 8, 2010. The SAP was approved by the EPA and LDEQ on March 17, 2010. The approved SAP was implemented on March 25 through 27, 2010.

4.1 Monitoring Well Installation

Five (5) monitoring wells (MW-7 through MW-11) were installed to a maximum depth of 14.5 ft-bgs on March 25 and 26, 2010. The monitoring well locations, shown on Figure 5, were selected using data from the previous investigation activities and historical site features.

4.2 Soil Vapor Sampling

Based on the groundwater results, soil vapor samples were also collected in the vicinity of monitoring well MW-11, which is located between previous boring locations B-6 and B-10, where the highest volatile petroleum hydrocarbons were detected. Soil vapor samples were collected via soil vapor inserts (SVIs), constructed of an inert material which were installed in two co-located borings installed near monitoring well MW-11 in the former UST tank hold. The SVIs were installed in one boring at a depth of two ft-bgs (SVI-1A) and in the other boring at a depth of four ft-bgs (SVI-1B). The locations of the SVIs are shown on Figure 5.

On April 30, 2010, Shaw personnel conducted the soil vapor sampling. Prior to sample collection, each SVI was purged of a minimum of three volumes of air from the SVI. After purging, each SVI was connected to a soil sampling train (SST) which regulates the flow of the air sample from the SVI to the sample canister with an in-flow rate of less than 200 milliliters per minute. A 1.4L stainless steel air sampling canister was connected to the SST. Once filled, the sample canisters were submitted to SPL for analyses of m,p-xylenes, total xylenes, and TPH-GRO by EPA Method TO-3/TO-15.

4.3 Laboratory Analytical Results

4.3.1 Groundwater Analytical Results

Groundwater samples collected from monitoring wells MW-7 through MW-11 during the March 2010 CSI were analyzed for xylenes (m,p-, and total), TPH-GRO, and TPH Fractions

(aliphatics/aromatics). The groundwater analytical results were compared to the previously established RECAP MO-2 Standards for m, p-xylenes, total xylenes, aliphatics C_8-C_{10}, aliphatics C_{10}-C_{12}, aliphatics C_{12}-C_{16}, and aromatics C_8-C_{10}. Based on the results, one constituent, aliphatics C_8 – C_{10}, was above the RECAP MO-2 Standards in four of the five groundwater samples. Concentrations of aliphatics C_8 – C_{10} above the MO-2 standards ranged from 0.41 milligrams per liter (mg/L) in MW-8 to 6.8 mg/L in MW-11.

4.3.2 Soil Vapor Sampling Analytical Results

The objective of this CSI was to demonstrate that the volatile petroleum hydrocarbons previously detected in the groundwater at the site have declined or are otherwise protective of future unprotected enclosed structures. Since concentrations of aliphatics C_8 – C_{10} were detected above the site-specific MO-2 RECAP Standards in groundwater samples, soil vapor sampling was conducted at the location where the highest concentrations were detected. The soil vapor samples were analyzed for xylenes (m,p- and total) and TPH-GRO by Method TO-3 and TO-15. The TPH-GRO results were further quantified for aliphatics C_8-C_{10} fractions. The soil vapor results for xylenes and TPH fractions (aliphatics C_8-C_{10}) were compared to the calculated soil gas standards using the method outlined in the RECAP Frequently Asked Questions found on the LDEQ RECAP website. The calculations utilize the soil gas standard presented in RECAP Table H5.

The Soil Gas Standard value (RECAP Table H5) for aliphatics C_8-C_{10} (1,100 micrograms per cubic meter [ug/m^3]) was multiplied by the EPA recommended alpha value (attenuation factor) of 100 which totaled 110,000 ug/m^3. When compared to the maximum C_8-C_{10} concentration (SVI-1B of 12,466.70 ug/m^3), the result was below the applicable Soil Gas Standard. Based on the xylenes and TPH C_8-C_{10} calculations, the measured concentrations were protective of human health and as such, no further evaluation of the soil vapor intrusion pathway at the site was requested.

4.4 Attainment of Remedial Action Goals

As stated in Section 4.3, groundwater and soil vapor analytical data collected during the CSI were used to evaluate the vapor intrusion pathway at the OSBR site. Although groundwater concentrations for aliphatics C_8-C_{10} were above the MO-2 RECAP Standards previously developed at the site, further evaluation utilizing soil vapor sampling indicated that the subsurface hydrocarbon concentrations do not present a risk to enclosed structures. The report of CSI activities was submitted to the LDEQ on June 29, 2010. A copy of the report is included as Appendix G. The LDEQ approved the findings of the CSI in a letter dated July 23, 2010. A copy of the LDEQ letter is included as Appendix H.

5.0 Certificate of Completion

This VRAR demonstrates that the objectives/requirements of the approved VRAP have been met. The subject site meets residential (non-industrial) RECAP Standards and is eligible for closure without restriction. Shaw respectfully requests that a Certificate of Completion should be issued to OSBR upon approval of this VRAR.

PROVIDENCE
ENGINEERING

P.O. Box 31
Sulphur, LA 70664-0031
(337) 528-0066

P.O. Box 84380
Baton Rouge, LA 70884-4380
(225) 766-7400

450 E. Pass Road, Suite 106
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December 7, 2005

Remediation Services Division
Manager: Hall
Team Leader:
AI #: 93917
TEMPO Task #:
Desk Copy File Room: TAS

Louisiana Department of Environmental Quality
Remediation Services Division
Post Office Box 4314
Baton Rouge, Louisiana 70821-4314
Attn: Mr. Keith Casanova

Ref: VRP Application Forms/Remedial Investigation Work Plan
HOPE VI – 1705 Highland Road, Baton Rouge, Louisiana
Agency Interest # 93917 (Personal Touch Car Wash and Used Tire)
Providence Engineering's Project No. 146-003

Dear Mr. Casanova:

Providence Engineering and Environmental Group LLC (Providence Engineering) is hereby submitting in triplicate this Voluntary Remedial Investigation Application Form, Partial Voluntary Remedial Action Supplemental Application Form, and Remedial Investigation Work Plan for the HOPE VI – 1705 Highland Road site for your review and approval. As described in this Remedial Investigation Work Plan, soil and groundwater samples will be collected to define site characteristics and to determine the nature and extent of contaminants for closure of the site under the Louisiana Department of Environmental Quality's (LDEQ's) Voluntary Remediation Program (VRP) and the Risk Evaluation/Corrective Action Program (RECAP), as applicable. The site investigation activities will be funded under a grant from the Baton Rouge Brownfields Program (#BR-113), which is administered by the City-Parish Planning Commission.

Sampling activities will be initiated upon receipt of LDEQ approval of this Remedial Investigation Work Plan. Providence Engineering will notify LDEQ in advance of mobilization to the site to allow a representative to be present, if desired. If you have any questions regarding this Remedial Investigation Work Plan, please contact Mike Purdom or me at 225-766-7400.

Sincerely,
Providence Engineering

Melanie Hanks

Melanie M. Hanks
Senior Risk Assessor

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LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
FY 2006-2304

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DEC 13 2005
LDEQ

cc: Ms. Beth Hughes – City-Parish Planning Commission (4 copies)

VOLUNTARY REMEDIAL INVESTIGATION APPLICATION FORM

Voluntary Remediation Program
Louisiana Department Of Environmental Quality

I. APPLICANT INFORMATION

A. Applicant

1. Name/Company Name: Richard, Murray, East Baton Rouge Housing Authority, HOPE VI Office
2. Mailing Address
   - P.O. Box or No. & Street: 4731 North Blvd.
   - City: Baton Rouge
   - State: LA
   - Zip Code: 70806
3. Contact Person
   - Phone: 225-923-8150
   - Fax: 225-923-8109
   - Email: rmurray@ebrpha.org
4. Interest in Property: Owner

B. Co-Applicant

1. Name/Company Name: N/A
2. Mailing Address
   - P.O. Box or No. & Street:
   - City:
   - State:
   - Zip Code:
3. Contact Person
   - Phone:
   - Fax:
   - Email:
4. Interest in Property:

C. Co-Applicant

1. Name/Company Name: N/A
2. Mailing Address
   - P.O. Box or No. & Street:
   - City:
   - State:
   - Zip Code:
3. Contact Person
   - Phone:
   - Fax:
   - Email:
4. Interest in Property:

D. Current Property Owner (if different from applicants)

1. Name/Company Name: East Baton Rouge Housing Authority, HOPE VI Office
2. Mailing Address
   - P.O. Box or No. & Street: 4731 North Blvd
   - City: Baton Rouge
   - State: LA
   - Zip Code: 70806
3. Contact Person: Richard Murray
   - Phone: 225-923-8150
   - Fax: 923-8109
   - Email: rmurray@ebrpha.org

II. SITE INFORMATION

A. Agency Interest Number (if exists) 93917

B. Site Name HOPE VI

C. Parish East Baton Rouge

D. Property Size (acres): 0.6

E. Physical Address or Direction and Distance from Nearest Intersection

1705 Highland Road, Baton Rouge, LA

F. Latitude/Longitude: Lat.- 91° 10' 59" W Lon.- 30° 25' 56" N NAD 83 DMS

G. Section/Township/Range (attach legal property description.)

Section 52 / Township 7S / Range 1W

H. Adjacent Property Owners (persons listed as owners of the adjacent properties on the rolls of the parish tax assessor as of the date on which the voluntary remediation application is submitted)

North – HOPE VI

South – HOPE VI

West – WBRZ Televesion

East – HOPE VI

I. Current Property Use (Describe in detail. Use percentages if more than one use.)

Currently the property supports two abandoned buildings. The buildings previously held Auto detailing and repair shops.

J. Past (historical) Property Use (Describe in detail.)
According to Polk's city directory of Baton Rouge, South End Service Station first appear in the 1955 city directory. During the review of the city directories, several businesses have occupied the space at 1705 Highland Road. These include Personal Wash & Detail Shop, Clearance Crystal Car Wash & Barber Shop, Baton Rouge Recycling, Louis Tire Center, Mister Cles Auto & Tire, and Williams Garage (Tire dealer).

K. Future Property Use (Describe in detail. Use percentages if more than one use.)
The proposed use of the property is as mixed use facility with office/commercial and residential units.

L. Current Land Use Surrounding Property

The property located to the west of the site is commercial, to the north is vacant, to the east and south is residential

M. Contaminant Type(s) and Affected Media

Soil – 2-methylnaphthalene, benzene, TPH-DRO, TPH-GRO.
Groundwater – TPH-DRO, TPH-ORO.
Lead Based Paints, Asbestos Containing Material

Applicant(s) must also attach to this form all available historical assessment and or investigation information available for the site, including Phase 1 and 2 Assessments, analytical data, etc.

III. ELIGIBILITY INFORMATION

A. Permitted Hazardous Waste Unit(s) on site? ____ Yes X No

B. Site Proposed for Listing on the NPL? ____ Yes X No

C. Site Listed on the NPL? ____ Yes X No

D. Any Pending Federal Environmental Enforcement Actions Associated with the Site? ____ Yes X No

If yes, explain ____

E. Any portion of site UST Trust Fund Eligible? ____ Yes X No

If yes, explain ____

IV. *Type of Voluntary Remedial Action Proposed*

____ Voluntary Remedial Action

X Partial Voluntary Remedial Action

If Partial Voluntary Remedial Action is checked, the applicant and co-applicants must each complete and attach a Partial Remedial Action Supplemental Application Form.

V. CERTIFICATION

All applicants must certify the following with their signature below:

I (we) certify that all of the information I (we) have provided in this Voluntary Remedial Investigation Application is true and correct to the best of my information, knowledge, and belief. I (we) understand and agree that I (we) am obligated to update and modify this application if I (we) learn that information that I (we) have provided is misleading or no longer correct. I (we) further certify that I (we) understand I (we) am responsible for and agree to reimburse the Louisiana Department of Environmental Quality for all actual direct costs associated with reasonable and appropriate oversight activities of the Department conducted pursuant to LAC 33:VI.Chapter 9, including, but not limited to, review, supervision, investigation, and monitoring activities.

Primary Applicant Signature/Date Richard L. Murray 12-7-05

Co-Applicant Signature/Date _____

Co-Applicant Signature/Date _____

THE REMEDIAL INVESTIGATION WORKPLAN FOR THIS SITE AND THE APPLICATION REVIEW FEE MUST BE INCLUDED WITH THIS VOLUNTARY REMEDIAL INVESTIGATION APPLICATION FORM, AS PROVIDED IN LAC 33:VI.911.A, OR THIS VOLUNTARY REMEDIAL INVESTIGATION APPLICATION WILL BE CONSIDERED INCOMPLETE AND NOT BE ACCEPTED FOR REVIEW.

VCP003 4/01 Rev. 1

PARTIAL VOLUNTARY REMEDIAL ACTION SUPPLEMENTAL APPLICATION FORM

Voluntary Remediation Program
Louisiana Department Of Environmental Quality

If a partial remediation is to be performed, one each of this form must be completed by the applicant and by each co-applicant and attached to the Voluntary Remedial Investigation Application Form and the Voluntary Remediation Application Form.

A. Check One: X Applicant ____ Co-Applicant

B. Name/Company Name: Richard, Murray, East Baton Rouge Housing Authority, HOPE VI Office

C. Agency Interest Number (if one exists) 93917

D. Site Name HOPE VI

E. Interest in Property Mixed use property

Answer the following questions by checking the appropriate answer

F. Were you a generator who generated a hazardous substance that was disposed of or discharged at the site? ____ Yes X No

G. Were you a transporter who transported a hazardous substance that was disposed of or discharged at the site? ____ Yes X No

H. Were you a disposer who disposed of or discharged a hazardous substance or hazardous waste at the site? ____ Yes X No

I. Did you contract with someone for transportation or disposal at the site? ____ Yes X No

J. Are you or were you an owner or operator of the site subsequent to the disposal of hazardous waste? ____ Yes X No

If you own or have an interest in the property (site), answer the following questions by checking the appropriate answer

K. Were you engaged in the business of generating, transporting, storing, treating, or disposing of a hazardous substance or hazardous waste on or in the site? ____ Yes X No

L. Did you knowingly permit any person to make regular use of the property for disposal of waste? ____ Yes X No

M. Did you knowingly permit any person to use the site for disposal of a hazardous substance? _____ Yes __X__ No

N. Did you knowingly permit any person to use the site for disposal of a hazardous substance? _____ Yes __X__ No

O. Did you know or should you have reasonably known that a hazardous substance was located in or on the site at the time right, title, or interest in the site was first acquired by the person and engaged in conduct associating that person with the discharge or disposal? _____ Yes __X__ No

P. Did you take action that significantly contributed to the discharge or disposal after that person knew or reasonably should have known that a hazardous substance was located in or on the site? _____ Yes __X__ No

RECEIPT OF CHECK

AI Number	**93917**
Company Name	**Providence Engineering and Environmental**
Site Name/	**Personal Touch Car Wash & Used Tires**
Phone	**(225) 766 - 7400**
Date Received	**12/14/05**
Date on Check	**12/7/05**
Check Number	**6707**
Amount Received	**$500.00**

Check one Media:

☐ Accident Prevention	☐ Ground Water	☐ Radiation
☐ Air Quality	☐ Hazardous Waste	☐ Solid Waste
☐ Air Toxics	X Inactive and Abandoned Sites	☐ Underground Storage Tanks
☐ Asbestos and Lead	☐ Multi-Media	☐ Water Resources

Comments:

Voluntary remediation application fee

Initials:

vrt

form_5202_r00
08/11/04

HOPE VI – 1705 Highland Road
Baton Rouge, Louisiana

Remedial Investigation Work Plan

December 2005

PROVIDENCE
ENGINEERING & ENVIRONMENTAL GROUP LLC

HOPE VI – 1705 HIGHLAND ROAD
BATON ROUGE, LOUISIANA

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REMEDIAL INVESTIGATION WORK PLAN

Remediation Services Division
Manager:
Team Leader:
AI #: 93917
TEMPO Task #:
Desk Copy File Copy

DECEMBER 2005

PREPARED BY:

PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC
6160 PERKINS ROAD, SUITE 100
BATON ROUGE, LA 70808
(225) 766-7400

PROVIDENCE ENGINEERING PROJECT NUMBER 145-003

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A Phase II ESA Report
B Quality Assurance Project Plan

1.0 INTRODUCTION

This Remedial Investigation Work Plan describes field sampling activities to be conducted in support of an assessment of the HOPE VI site located at the corner of Highland Road and Mary Street (1705 Highland Road) in Baton Rouge, Louisiana. The location of the site is shown on **Figure 1**. During prior ownership, the site was occupied by a number of different tenants/businesses; including several tire dealerships, a service station, an auto detailing business, and a recycling center. Currently, two abandoned buildings exist at the property.

As described in this Remedial Investigation Work Plan, soil and groundwater samples will be collected to define site characteristics and to determine the nature and extent of contaminants under the Louisiana Department of Environmental Quality's (LDEQ's) Voluntary Remediation Program (VRP) and the Risk Evaluation/Corrective Action Program (RECAP), as applicable. The site investigation activities will be funded under a grant from the Baton Rouge Brownfields Program (#BR-113), which is administered by the City-Parish Planning Commission.

The specific methods and protocol for collecting samples, the analytical procedures and parameters of interest, the field and laboratory Quality Assurance/Quality Control (QA/QC) protocol that will be followed, and the estimated schedule to complete the proposed field sampling activities are presented herein. All site investigation activities will be conducted in accordance with this Remedial Investigation Work Plan as approved by the LDEQ and applicable VRP/RECAP site investigation requirements.

2.0 SITE DESCRIPTION

2.1 Site Location

The subject property is located at 1705 Highland Road in Baton Rouge, Louisiana. The location of the property is shown on **Figure 1**. The current layout of the property is shown on **Figure 2**.

2.2 Current/Intended Future Use of the Property

The subject tract currently supports two buildings. The buildings are currently not being used, and will be demolished prior to redevelopment of the site. As part of the demolition activities, a hydraulic lift located at the site will also be removed. HOPE VI intends to develop the property for primarily residential use.

2.3 Current Uses of Adjoining Properties

Surrounding land use supports a television broadcasting to the west. Vacant lots are located immediately to the south, east, and across Mary Street to the north.

3.0 PREVIOUS SITE INVESTIGATION ACTIVITIES

On behalf of the City-Parish Planning Commission, Providence Engineering and Environmental Group LLC (Providence Engineering) conducted a Phase I Environmental Site Assessment (ESA) of the site in April 2004. As documented in the April 26, 2004 Phase I ESA Report, a number of areas were identified as possible environmental liability hazards. These areas included abandoned 55-gallon drums, hydrocarbon staining around the abandoned drums, a potential underground storage tank (UST), and potential lead-based paint and asbestos-containing materials.

Based on the results of the Phase I ESA, Providence Engineering collected soil and groundwater samples as part of a Phase II ESA to determine whether or not impacts from previous operations at or near the property were present prior to redevelopment of the site. The Phase II ESA report in its entirety is provided herein as **Appendix A**. A total of six borings were advanced and sampled at the site in accordance with the LDEQ's RECAP and the July 2004 Quality Assurance Project Plan (QAPP). The boring locations are shown on **Figure 2**. Groundwater was encountered at approximately 10 feet below ground surface (ft bgs). The boring logs completed for borings advanced during the Phase II ESA are provided in Appendix D of the Phase II ESA Report (see **Appendix A**).

Soil samples were collected from all six borings, and groundwater samples were collected from the five borings at which groundwater was encountered. Additionally, floor and wall mortar samples were collected for laboratory analyses for asbestos, and multiple paint samples were collected for lead analyses. The results of the Phase II ESA are summarized in the following sections.

3.1 Soil Analytical Results

Soil analytical results are summarized in **Table 1**. All soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons – gasoline range organics (TPH-GRO), total petroleum hydrocarbons – diesel range organics (TPH-DRO), and total petroleum hydrocarbons – oil range organics (TPH-ORO).

Soil analytical results were compared to the soil limiting Screening Standards (LSS) for non-industrial land use based on the intended future residential use of the property. The soil LSS applied were the lower of the RECAP Non-Industrial Soil Screening Standards ($Soil_{SSni}$) and the Soil

Protective of Groundwater Screening Standards ($Soil_{SSGW}$) provided in Table 1 of RECAP (LDEQ 2003).

As shown in **Table 1**, soil concentrations were below the RECAP LSS at five of the six borings (B-2 – B-6). However, soil concentrations in samples collected from boring B-1 exceeded the soil LSS applied for 2-methylnaphthalene, naphthalene, benzene, TPH-DRO, and TPH-GRO. In addition, detection limits for certain PAHs reported as not detected by the laboratory ("non-detects") had sample quantitation levels (SQL) that exceeded the applicable LSS.

3.2 Groundwater Analytical Results

Groundwater analytical results are summarized in **Table 2**. Groundwater samples were collected from five of the six borings. Groundwater could not be collected from boring B-1, as groundwater was not encountered at this location. In addition, due to insufficient groundwater yield, samples collected from boring B-4 were only analyzed for BTEX, TPH-GRO, and TPH-DRO.

The LSS applied for groundwater were the Groundwater Screening Standards (GW_{ss}) provided in Table 1 of RECAP (LDEQ 2003). As shown in **Table 2**, TPH-DRO was reported above the GW_{SS} at borings B-2, B-4, B-5, and B-6. TPH-ORO concentrations were reported above the GW_{ss} in groundwater samples collected from B-2, B-3, B-5 and B-6. Concentrations of BTEX and PAHs did not exceed the GW_{SS} in any of the samples colleted.

3.3 Lead Sampling Results

Asbestos Consulting Services, Inc. (ACSI) collected 26 samples of suspected lead-based paints. The Consumer Product Safety Council has established a standard of 0.06% by weight, while the Housing and Urban Development's (HUD) standard is 0.5% by weight. 19 of the 26 samples exceeded the Consumer Product Safety Council standard, while 7 of the 26 samples exceeded the HUD standard. The highest reported percent by weight concentration was 12.2% collected from the multi-coats of paint on the outside canopy. The complete ACSI report can be found in Appendix B of the Phase II ESA report provided in **Appendix A** herein.

3.4 Asbestos Sampling Results

Providence Engineering contracted ACSI to collect samples of suspected asbestos-containing materials. ACSI collected a total of 36 samples from selected floor tiles and wall mortars from both buildings. A total of 17 samples tested positive for asbestos. The complete ACSI asbestos report can be found in Appendix C of the Phase II ESA report provided in **Appendix A** herein.

4.0 PROPOSED SOIL AND GROUNDWATER SAMPLING

The following site investigation activities are proposed, and will be conducted after the on-site buildings and other structures (including the hydraulic lift) have been demolished in preparation for redevelopment of the site:

- Boring B-1 will be readvanced for further characterization of groundwater impacts at the source and to collect soil samples for vertical extent delineation. A soil sample will also be collected from B-1 (7-8 ft bgs) for PAH analysis to attempt to obtain SQL below the applicable RECAP standards.

- Soil samples for Synthetic Precipitation Leaching Procedure (SPLP) analysis will be collected from B-1 to attempt to increase applicable clean-up standards to minimize (or possibly eliminate) the need for remediation of soils.

- Soil samples will be collected from boring B-1 for fractionation of aliphatics and aromatics petroleum hydrocarbon ranges. If possible, groundwater TPH fractionation samples will also be obtained from this location.

- Boring B-4 will be readvanced for collection of TPH-ORO and PAH groundwater samples, which were not able to be collected during the July 2004 sampling event due to insufficient water yield from the temporary piezometer installed at this location. These samples are required for further characterization of the source and to meet RECAP site investigation requirements.

- Four borings would be advanced as shown in **Figure 2** to delineate the extent of contamination in groundwater in accordance with VRP/RECAP requirements.

- An additional delineation boring will be advanced on the vacant lot north of Mary Street (see **Figure 2**) for the collection of soil and groundwater samples. Analytical parameters will include constituents of concern (COC) analyzed at borings B-1 – B-6 during the previous Phase II investigation activities, including TPH-GRO, TPH-DRO, TPH-ORO, BTEX, and PAHs.

- Soil samples will also be collected from the delineation boring to be installed to the west of B-1 (see **Figure 2**) for delineation of soils.

- Soil and groundwater samples will be collected by Providence Engineering at the bottom of the excavation from one borehole (HL-1) for delineation/source characterization purposes after the demolition contractor removes the hydraulic lift. Samples will be collected for analysis of TPH-DRO and TPH-ORO per Appendix D of RECAP (LDEQ

Shaw™ Shaw Environmental, Inc

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September 19, 2008

Project No 108704

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Mr Keith L Casanova, Administrator
Environmental Technology Division
Office of Environmental Assessment
Louisiana Department of Environmental Quality
P O Box 4314
Baton Rouge Louisiana 70821-4314

Remediation Services Division
Manager Harris
Team Leader Johnson
AI # 93917
TEMPO Task #
Desk Copy File Room KAS

Re Voluntary Remedial Action Report
H O P E VI Property
1705 Highland Road
Baton Rouge, East Baton Rouge Parish, Louisiana
Agency Interest No 93917

Dear Mr Casanova

On behalf of the East Baton Rouge Parish Housing Authority (EBRHA), Shaw Environmental Inc (Shaw) is submitting the attached Voluntary Remedial Action Report (VRAR) for the above referenced site The successful completion of remedial actions has resulted in the subject site meeting residential RECAP Standards Accordingly, the site is eligible for closure without restriction Shaw respectfully requests that a Certificate of Completion should be issued to EBRHA pending the approval of the VRAR

If you have any questions regarding this attached report, or any aspect of this project, please contact me at (225)987 7323, or Chris Johnson at (225)987-7427

Sincerely,
Shaw Environmental, Inc

Tyson N Hackenberg
Client Program Manager

RECEIVED
SEP 1 9 2008
LDEQ

cc Mr Samuel Reynolds – USEPA Region 6
Ms Patricia Robinson – EBRHA H O P E VI

Enclosure

VOLUNTARY REMEDIATION PROGRAM (VRP) REMEDIAL ACTION REPORT

H.O.P.E. VI
1705 Highland Road
Baton Rouge, Louisiana

September 2008

Prepared for

East Baton Rouge Housing Authority
4731 North Boulevard
Baton Rouge, Louisiana

Prepared by

Shaw Environmental, Inc
4171 Essen Lane
Baton Rouge, Louisiana 70809

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Acronyms and Abbreviations

AOI	Area of Investigation
bgs	Below ground surface
BTEX	Benzene Toluene, Ethylbenzene, and Total Xylenes
COC	Constituent of Concern
EBRHA	East Baton Rouge Housing Authority
ESA	Environmental Site Assessment
GPR	Ground Penetrating Radar
LAC	Louisiana Administrative Code
LDEQ	Louisiana Department of Environmental Quality
MO 1	Management Option 1
MO 2	Management Option 2
MTBE	Methyl tert Butyl Ether
PAH	Polynuclear Aromatic Hydrocarbons
PID	Photoionization Detector
REC	Recognized Environmental Condition
RECAP	Risk Evaluation/Corrective Action Program
RS	RECAP Standard
Shaw	Shaw Environmental Inc
$Soil_{esni}$	Non Industrial Soil beneath Enclosed Structures
$Soil_{ni}$	Non Industrial Soil Protective of Human Health
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
UST	Underground Storage Tank
VRAP	Voluntary Remediation Action Plan
VRIR	Voluntary Remedial Investigation Report
VRP	Voluntary Remediation Program

1 0 Introduction

This Voluntary Remediation Program (VRP) Remedial Action Report (VRAR) has been prepared for the East Baton Rouge Parish Housing Authority (EBRHA), to document the closure of underground storage tanks (USTs) and remediation of impacted soils at the H O P E VI site at 1705 Highland Road, Baton Rouge, Louisiana (Figures 1 and 2) The VRAR has been prepared pursuant to Louisiana Administrative Code (LAC) Title 33, Part VI, Chapter 9

1 1 Site Description

The subject site is located at 1705 Highland Road in Baton Rouge, East Baton Rouge Parish, Louisiana (Figure 1) The site is currently a vacant lot, subsequent to the demolition of on-site structures in December 2005 Figure 2 presents a facility map with locations of pertinent former site features, including boring locations from previous site investigations

Historically and prior to the EBRHA's acquisition of the property, businesses that operated at the subject site included tire dealerships, a service station, an automobile detailing business, and a recycling center During the time of operation as a service station, at least six underground storage tanks (USTs), two fuel dispensers, and one hydraulic lift were operated on-site The hydraulic lifts and piping were previously removed During site demolition activities in December 2005, six USTs of various sizes were discovered in the northwest portion of the property adjacent to the intersection of Mary Street and Highland

The site is proposed for residential redevelopment by the EBRHA H O P E VI program Accordingly, the remedial action reported herein utilized site clean up goals based on non-industrial standards, pursuant to guidance included in the Louisiana Department of Environmental Quality's (LDEQ's) Risk Evaluation / Corrective Action Program (RECAP) document, dated October 2003

2 0 Previous Activities

2 1 Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment Report*, dated April 2004, was prepared by Providence Engineering & Environmental Group, LLC (Providence) Findings of the Phase I Environmental Site Assessment included recognized environmental conditions (RECs) associated with former uses of the subject site

2 2 Voluntary Remedial Investigation

The site was entered into the LDEQ's Voluntary Remediation Program (VRP), and a Voluntary Remedial Investigation Work Plan (Work Plan) was prepared and submitted to the LDEQ in December 2005 The Work Plan was approved by the LDEQ with modifications in correspondence dated April 28, 2006 The investigation was implemented in May and June 2006, and a Voluntary Remedial Investigation Report (VRIR), which included a RECAP assessment, was submitted to LDEQ in May 2007 The VRIR was approved by the LDEQ in correspondence dated October 19, 2007

The results of the site investigations performed in July 2004 and September 2006 indicate that petroleum impacts were present in soil, predominantly at the northwest corner of the property, near the intersection of Mary Street and Highland Road Figure 2 depicts the sample locations from the Voluntary Remedial Investigation The highest concentrations of petroleum hydrocarbon compounds in soil were detected in soil boring B-1, located in the northwest area of the site

As presented in the May 2007 Voluntary Remedial Investigation Report (VRIR), all soil and groundwater constituents of concern (COC) detected during site assessment activities were below the applicable Management Option 2 (MO-2) Limiting RECAP Standards (RS) However, six abandoned USTs were observed in the northwestern portion of the subject site during demolition activities in December 2005 These USTs were presumed to be associated with the former use of the subject property as an automotive fuel retail facility, and constituted a risk to human health and the environment

2 3 Voluntary Remedial Action Plan

A Voluntary Remedial Action Plan (VRAP) was prepared by Shaw and submitted to the Louisiana Department of Environmental Quality (LDEQ) in November 2007 The proposed remedial action activities included proper closure of USTs and excavation and disposal of impacted soil in the area of the USTs The VRAP also included a Sampling and Analysis Plan, Quality Assurance Plan, and Voluntary Remedial Action application The LDEQ approved the VRAP and Voluntary Remedial Action application in correspondence dated January 8, 2008 (Appendix A)

2 4 Waste Characterization Sampling and Profile

Prior to beginning remediation activities, hand augered borings were advanced to collect samples for waste characterization The characterization samples were analyzed for reactivity, corrosivity, and ignitability (RCI), metals by Toxicity Characteristic Leaching Procedure (TCLP), and benzene by TCLP Upon receipt of the laboratory analytical data (Appendix B), a waste profile form (Appendix A) was completed and submitted to the Allied Waste/BFI landfill for pre-approval of soil disposal

3 0 VRP Remedial Actions and Results

3 1 Public Notice

Public notice and direct notification to adjacent landowners was made in accordance with LAC Title 33, Part VI, Chapter 9 D & E The public notice was published in the Daily Advocate on January 14, 2008, followed within five days by certified letters to adjacent landowners Following the prescribed 30 day period with no comments from the public or adjacent landowners, Shaw submitted public notice documentation to the LDEQ In correspondence dated May 1, 2008 (Appendix A), the LDEQ approved implementation of the VRAP

3 2 Tank Registration and Closure Notification

Prior to beginning remediation activities, required forms for tank registration and advance notification of UST closure were completed and submitted to the LDEQ Copies of these documents are included in Appendix A

3 3 Underground Storage Tank Removal and Soil Excavation

On May 12, 2008, Shaw and its subcontractor SEMS, Inc (SEMS) mobilized equipment and personnel to the site to initiate the remediation activities Prior to beginning site work, a public meeting was held on May 12, 2008 to discuss the remediation activities and planned redevelopment of the site

A back hoe excavator was used to uncover the USTs As work proceeded, it was discovered that the six USTs contained residual fluids, which were removed by a vacuum truck The residual tank fluids and wash water were transported by vacuum truck to an LDEQ-approved disposal/recycling facility Volumes of recovered fluid and other waste materials are summarized in Section 3 7, and copies of disposal manifests are included in Appendix C

Removal of the six USTs and surrounding soil was performed on May 13 and 14, 2008 In accordance with the LDEQ's *Underground Storage Tank Closure/Change-In-Service Guidance Document* (October 2003), two soil samples were collected beneath each tank at depths of approximately 10 feet below ground surface (bgs) To determine the appropriate extent of excavation, sidewall samples were also collected at nine locations at depths of approximately 7 8 feet bgs at the perimeter of the excavation It was not necessary for samples of excavated material to be collected, as all excavated soil was placed into roll off containers and subsequently transported for offsite disposal No excavated soil was used to backfill the excavation

The tank bottom and sidewall samples were delivered to Southern Petroleum Laboratories, Inc (SPL) for analysis of the following constituents identified in the VRAP

- Benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tert butyl ether (MTBE) by SW-846 Method 8260B,
- Total petroleum hydrocarbons (TPH) – C_6-$C_{>28}$ aliphatic and aromatic fractions by the Massachusetts VPH/EPH Method,
- Polycyclic aromatic hydrocarbons (PAHs) by SW-846 Method 8270C, and
- RCRA metals by SW-846 Method 6000/7000 Series

Figure 3 depicts the locations of USTs, the bottom and sidewall samples, and the extent of the excavation Photographs of the remediation activities are included in Appendix D

Following a heavy rainfall event on the afternoon of May 14, 2008, site work resumed on May 18, 2008 A temporary discharge permit was submitted to and approved by the LDEQ, and approximately 1,500 gallons of rainwater in the excavation was pumped into the adjacent storm sewer Based on the results of water samples collected from the excavation, no treatment of the water was necessary prior to discharge

Additional excavation of impacted soil continued on May 19, 2008, with the limits of excavation determined by visual evidence (stained soil) and screening for organic vapors with a photoionization detector (PID) As shown in Figure 3, two separate areas were excavated to an approximate depth of 10 feet bgs, including a relatively large area surrounding Tanks 1, 2, 3, 4, and 5 near the western boundary of the site, and a smaller area around Tank 6 near the northern boundary of the site A third area to the west of Tank 6 was excavated, based on ground penetrating radar (GPR) survey that indicated the possibility of a buried tank However, after excavating to approximately 6 feet bgs, no USTs were found in this area (Figure 3 – Exploratory Excavation Area)

Sidewall samples were collected at approximately 7 – 8 feet bgs at 11 locations (Figure 3) on the perimeter of the excavation at May 20, 2008 The locations of the samples and the excavated area were surveyed on May 21, 2008 (Appendix E)

All excavated soils were first placed on plastic sheeting and covered when necessary to protect from rainfall and run-off The excavated soils were then temporarily stored onsite in roll-off containers prior to transport to Allied Waste/BFI in Sorrento, Louisiana The total amount of disposed soil and other waste materials are summarized in Section 3 7, and copies of transport and disposal manifests are included in Appendix C

3 4 Initial Soil Analytical Results

Laboratory analytical reports, including Quality Assurance/Quality Control (QA/QC) results are presented in Appendix B Based on Shaw's data usability review, the laboratory analytical data is valid and can be used to determine if site concentrations meet remedial action goals

As shown in Table 1, analytical results of the tank bottom soil samples collected on May 13-14, 2008 indicated no exceedances of RECAP Screening Standards (SS) The sidewall sample results, which determined the appropriate aerial extent of the excavations, are presented in Table 2 The sidewall sample results revealed one sample location (NSW-1) with COC concentrations above applicable SS and MO-2 Limiting RS This sample was collected at the northwest extent of the large excavation and abutted a concrete slab at the corner of Highland Road and Mary Street As shown in Table 1, the RECAP exceedances in sample NSW-1 were as follows

- Benzene concentration of 2 6 milligrams per kilogram (mg/kg) exceeded the Limiting MO-2 RS of 1 01 mg/kg,
- Total xylenes concentration of 48 4 mg/kg exceeded the Limiting MO-2 RS of 2 47 mg/kg,
- Naphthalene concentration of 18 mg/kg exceeded the Limiting MO-2 RS of 10 3 mg/kg,
- C_6-C_8 Aliphatics concentration of 570 mg/kg exceeded the Limiting MO 2 RS of 362 mg/kg,
- C_8-C_{10} Aliphatics concentration of 1,200 mg/kg exceeded the Limiting MO 2 RS of 86 mg/kg, and
- C_8 C_{10} Aromatics concentration of 950 mg/kg exceeded the Limiting MO-2 RS of 146 mg/kg

A review of the surveyed property boundaries (Appendix E) indicated that a portion of the aforementioned concrete slab was located within the subject property and further excavation in this area could be performed Accordingly, to remove all impacted soil on the property, the concrete slab was saw cut and removed along the property boundary line to enable additional excavation to the property boundary

3 5 Additional Excavation and Underground Storage Tank Closure-in-Place

Shaw and SEMS remobilized to the site on June 5, 2008 to perform the additional excavation While performing the excavation work, another UST was encountered at the property boundary (Figure 3) The UST was longitudinally parallel to, and approximately bisected by, the northern property boundary (Appendix D – Photographs 18 and 19) As the location of the tank in proximity to underground utilities presented a safety risk for tank removal, subsequent to

consultation and approval by the LDEQ, a decision was made to close the tank in place Accordingly, the appropriate tank registration and closure forms were immediately submitted to the LDEQ

Residual fluids were removed by a vacuum tank, and the tank was washed and rinsed prior to closure in place As agreed by the LDEQ, on June 6, 2008 one closure in-place sample was collected at approximately 8 feet bgs near the east end of Tank 7, which also corresponded to the northern property boundary Another sample near the west end of the tank could not be safely collected, because of the presence of underground utilities Remaining impacted soil at the northwest corner of the property was excavated to the property boundary line (the edge where the concrete slab was cut) On June 9, 2008, the tank was closed in place using flowable fill sand (Appendix D – Photograph 20)

As required by the LDEQ, SEMS submitted an Underground Storage Tank Closure Assessment report (Appendix A) to the LDEQ's UST Division on June 19, 2008 This report included documentation of the removed USTs (Tanks 1 – 6) and the tank closed in place (Tank 7)

3 6 Attainment of Remedial Action Goals

As noted in Section 3 4, the previously collected closure samples demonstrated that remediation goals were met at all sample locations, with exception of the northwest corner of the excavation encompassing Tanks 1 – 5 By performing the additional excavation to the property boundaries at the northwest corner of the site, remedial action goals have been successfully attained for the subject property in accordance with VRP regulations (LAC Title 33, Part VI, Chapter 9)

Analysis of the closure-in place sample NSW-1a did indicate COC concentrations above applicable SS and MO-2 Limiting RS (Table 2), however, this sample was collected immediately beyond the subject property boundary and is representative of offsite soil concentrations within the Mary Street right-of-way, not within the subject property boundaries It should be noted that the COC concentrations at the NSW-1a location were less than the concentrations from the previous NSW-1 location, approximately 10 feet to the south

3 7 Waste Disposal

During the course of remedial activities, the following waste material was generated and properly disposed offsite

- 379 67 tons of excavated soil (including some concrete rubble) were transported to Allied Waste/BFI's landfill in Sorrento, Louisiana,
- 3,030 gallons of residual tank fluids and wash water were transported to Gator Environmental's recycling facility in Baton Rouge, Louisiana

- The purged and cleaned tanks were transported to Southern Scrap Recycling in Port Allen, Louisiana

Disposal documentation and manifests are included in Appendix C

3 8 Excavation Backfill and Site Restoration

The excavation was filled with clean imported silty clay (CL) material on June 5 – 10, 2008 The specifications for backfilling and compaction were as follows

1 The Proctor, Grain Size, Atterberg Limits, Moisture Content test results were submitted for approval by Shaw and Jerry Watts Architects prior to use for backfilling

2 For the top four feet of the excavation, backfill and compaction were performed in 6- to 8-inch lifts with compaction meeting the requirements for a 95 standard Proctor Nuclear Density field tests were performed on each lift above 4 feet bgs

3 No testing was performed on lifts with top of lift below 4 feet bgs, due to excavation safety concerns, so one of the following methods was used

- backhoe bucket tamping for 6 inch (or less) lifts,
- machine compactor for 6-18 inch lifts, and
- no lift exceeded 18 inches in thickness

3 9 Certificate of Completion

This VRAR demonstrates that the objectives/requirements of the approved VRAP have been met The subject site meets residential RECAP Standards and is eligible for closure without restriction Shaw respectfully requests that a Certificate of Completion should be issued to EBRHA pending the approval of the VRAR

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL ASSESSMENT

APR 02 2009

CERTIFIED – RETURN RECEIPT REQUESTED 7004 1160 0000 3794 6633

Mr. Richard Murray
East Baton Rouge Housing Authority
4731 North Boulevard
Baton Rouge, LA 70806

RE: Voluntary Remedial Action Report Approval/Certificate of Completion
H.O.P.E. VI; **AI Number 93917**
1705 Highland Road
Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Richard Murray:

The Louisiana Department of Environmental Quality (LDEQ), Remediation Services Division (RSD) has completed its review of all of the relevant documents submitted on your behalf by Shaw Environmental, Inc. for the successful completion of the Voluntary Remediation Program (VRP). Thank you for providing this information.

This report concludes the tasks that were required to be performed by the VRP Remedial Action Plan submitted to the Louisiana Department of Environmental Quality (LDEQ) dated September 2008. The LDEQ approves the Voluntary Remedial Action Report and hereby certifies that H.O.P.E VI has completed the approved remedial action work plan in accordance with La. R.S., Title 30, Chapter 12, Part II.

This letter serves as your Certificate of Completion for the H.O.P.E. VI site. This Certificate of Completion is subject to the terms and conditions of the Voluntary Remediation Program. This Certificate of Completion exempts H.O.P.E.VI, its successors and assigns from liability under LSA-R.S., Title 30, Chapter 12, Part I.

The exemption from liability is also subject to all applicable exceptions and limitations set forth in the above mentioned statutes.

The LDEQ appreciates your effort in working on, and concluding this project. Please contact Rashaunda Johnson at 225-219-0875 for any questions concerning site issues.

Sincerely,

Paul D. Miller, P.E.
Assistant Secretary

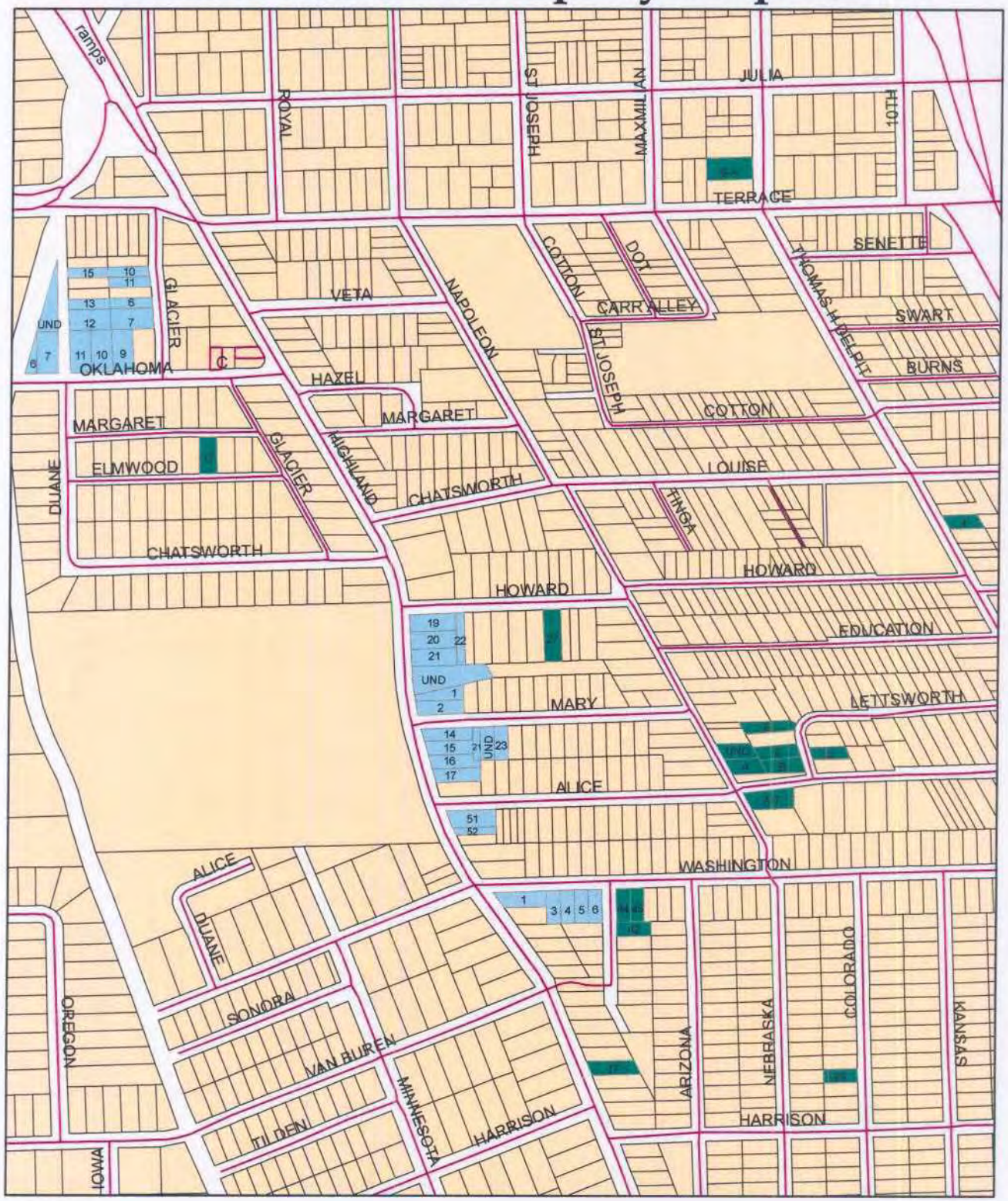
PDM:rmj

c: Imaging Operations-IAS
B. Keith Boeneke, Project Manager, Shaw Environmental

HOPE VI Properties

East Baton Rouge Parish Housing Authority

EBRHA HOPE VI Property Disposition



Legend

10/1/2008

- Streets
- OSBR Land, LLC Parcels -- HOPE VI Disposition
- LRA Parcels -- HOPE VI Disposition
- Land Parcels

Center for Planning Excellence

0 35 70 140 210 280 Feet

CONCEPTUAL CLEAN-UP STRATEGY
AND ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES

Lincoln Theater
Louisiana Black History Hall of Fame
1305 Myrtle Walk
Baton Rouge, Louisiana 70802

Agency Interest No. 169406

Project Number: 133340

July 2011

Submitted to:

Louisiana Department of Environmental Quality
Remedial Services Division
P.O. Box 4314
Baton Rouge, LA 70821

Submitted by:

Shaw™ Shaw Environmental, Inc.

4171 Essen Lane
Baton Rouge, Louisiana 70809

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1.0 Introduction

1.1 Introduction

The Lincoln Theater is a vacant historic building near downtown Baton Rouge at 1305 Myrtle Walk, Baton Rouge, Louisiana (Figure 1.1). The Lincoln Theater was formally a thriving historic performing arts venue. The current owner, the Louisiana Black History Hall of Fame, is currently restoring and redeveloping the Theater. The two-story building includes the main theater and projector room, a concessions area, a retail area, a former barber shop, five offices, and associated lavatories and storage areas. A mechanical/electrical room is included in a sublevel. The total occupiable area is approximately 9,300 square feet.

The environmental work conducted includes a Phase I Environmental Site Assessment (ESA), dated January 2009, completed by MEL, Inc. and Quaternary Resource Investigations, Inc. (QRI). This ESA identified suspected asbestos containing materials (ACM), possible lead based paint, and the potential for lead in the potable water system.

Concurrent with the Phase I ESA, QRI and their subcontractor Advanced Environmental Consulting, Inc. (AEC) also performed a limited asbestos survey, a lead paint survey, and sampling and lead analysis of potable water in the building. On April 12, 2010, Shaw Environmental, Inc. (Shaw) performed an initial site inspection of the building and property in part to visually assess the presence of confirmed and suspected ACM. During the reconnaissance Shaw walked along the outside of the building and visually surveyed the rooftop and all accessible interior areas of the building. The barbershop, attic areas, first floor restrooms, and some second floor offices were not accessible during this initial reconnaissance. During this inspection, Shaw identified additional materials that were suspected of containing asbestos but that were not sampled in the February 2009 investigation. These materials included wall paper/coverings through the interior of the building, carpeting in the theater area and second floor offices, flooring in the second floor bathrooms, backstage ceiling insulation, HVAC duct insulation, suspended ceiling in the retail area and projector room, and the exterior roofing material. Although the barber shop, first floor restrooms, and some second floor offices were not accessible during the reconnaissance, it was presumed that these areas included materials similar to those observed in the rest of the building.

Based on these findings and the plans for renovation of the Theater, additional investigation and sampling was performed. This additional investigation included a mold inspection and additional sampling of suspect ACM to sufficiently address the remediation needs of the Theater. Specifically, each material that was suspected of containing asbestos, as described above, was to

be sampled to determine whether or not each of the materials was asbestos-containing or non-asbestos-containing.

This report provides a summary the results of the previous and more recent environmental investigations, presents an Analysis of Brownfields Cleanup Alternatives, proposes the selected cleanup strategy, and estimates costs for the cleanup of the confirmed contaminants present at the Theater.

2.0 Investigation/Survey

2.1 Asbestos Surveys

On February 9, 2009 Advanced Environmental Consulting, Inc. (AEC) collected samples of suspect ACM on behalf of QRI. During the investigation four (4) bulk samples were collected from the stage floor, theater area walls and ceiling, and second floor corridor floor. These samples were sent to CA Labs, L.L.C. in Baton Rouge, Louisiana and analyzed for asbestos content utilizing polarized light microscopy as described in "Interim Method for Determination of Asbestos Bulk Insulation Samples" (EPA600/R-93/116). The methodology and results were initially reported in the QRI Phase I Environmental Site Assessment Report, addressed to MEL, Inc., and dated February 19, 2009.

On February 15 and 16, 2011 Shaw performed an expanded asbestos survey to identify, label, and catalog all asbestos containing material/presumed asbestos containing material (ACM/PACM) at the Lincoln Theater. During the sampling for ACM at the Lincoln Theater, a total of 206 samples were collected from 172 locations. The sample locations were selected so that the samples were representative of each homogenous area (HA) of suspected ACM. There were a total of 37 homogenous areas in all. Each sample location and description was logged and photographed to assist with future ACM management activities. The samples were placed in sealed plastic bags, labeled with the sample sequence number, and then transported to EMSL in Baton Rouge, Louisiana for testing under proper chain of custody. Inaccessible items, including piping and insulation contained inside of building walls that could not be reached without destructive means were not inspected or sampled. Items that were previously sampled for asbestos content by AEC on February 9, 2009 were not re-sampled during this event. Each sample was analyzed by polarized light microscopy as described in "Interim Method for Determination of Asbestos Bulk Insulation Samples" (EPA600/R-93/116). Sample locations are shown on Figures 2.1 through 2.4.

2.2 Lead Based Paint Survey

On February 9, 2009, AEC utilizing the services of Lanny J. Herring of New Iberia, Louisiana, at the direction of QRI, performed a lead based paint survey. Mr. Herring, utilizing a portable, handheld X-Ray Fluorescence (XRF) Analyzer performed direct readings on a total of fifty-six (56) data points suspected of containing lead based paint. These data points included all painted surfaces throughout the Theater both interior and exterior regardless of the substrate. The methodology and results were initially reported in the QRI Phase I Environmental Site Assessment Report, addressed to MEL, Inc., and dated February 19, 2009.

2.3 Lead In Drinking Water Investigation

On February 9, 2009, AEC at the direction of QRI collected potable water samples for laboratory testing to determine the total concentrations of lead in potable water in the Theater. Samples were collected from the drinking fountain located in the barbershop area as well as the sink in the lobby snack bar area. Samples were collected from each source point in four (4) separate cuts/draws in an attempt to isolate the four (4) distinct sections of the water line system. Samples were collected from the following cuts/draws:

1. Water in direct contact with the water dispensing fixture,
2. Water in the lines under the sink and in the walls immediately adjacent to the dispensing fixtures,
3. Water in the lines between the structure and the city water main,
4. and water in the city water main.

Samples were collected in laboratory supplied containers, preserved as necessary, and then transported to EMSL Analytical in Westmont, New Jersey for testing under proper chain of custody. The methodology and results were initially reported in the QRI Phase I Environmental Site Assessment Report, addressed to MEL, Inc., and dated February 19, 2009

2.4 Mold Assessment

On February 15 and 16, 2011, Shaw conducted a visual mold assessment to confirm the presence of microbial growth in and on all visible internal building components and systems at the Lincoln Theater.

No intrusive methods were used during the mold assessment. The confirmatory list of mold growth locations included in this report is not intended to be all inclusive since further verification may not be possible until renovation and restoration activities commence.

3.0 Investigation/Survey Results

3.1 Asbestos Surveys

The results derived from the limited asbestos survey conducted on February 9, 2009 by Advanced Environmental Consulting, Inc. (AEC), confirmed the presence of ACM. Four (4) bulk samples were collected from the stage floor, theater area walls and ceiling, and second floor corridor floor. As described in the QRI Phase I Environmental Site Assessment Report dated February 19, 2009 and addressed to MEL, Inc., of the four homogenous areas sampled, only the 9 inch floor tile and associated mastic located in the second floor offices was found to positively contain asbestos greater than 1%. This data is summarized in Table 3.1. The CA Labs, L.L.C analytical report is included in Appendix A. Figure 3.1 illustrates the area with a confirmed ACM presence resulting from the Limited Asbestos Survey.

On February 15 and 16, 2011 Shaw performed an expanded asbestos survey that investigated all previously un-sampled media with the potential to contain asbestos. A total of 206 samples were collected from 172 locations. The sample locations were selected so that the samples were representative of each homogenous area (HA) of suspected ACM. Shaw sampled a total of 37 homogenous areas.

Samples that contain greater than 1% asbestos by weight are considered asbestos-containing. Of the 206 samples collected, the following materials were identified as asbestos-containing:

- Approximately 420 square feet of black and white floor tile in the Barber Shop.
- Approximately 20 linear feet of piping insulation in the mechanical/electrical room.

A summary of the expanded survey sample results are included in Table 3.2. The EMSL laboratory analytical report is included as Appendix B. Photographs of sample locations have also been provided on the enclosed CD as Appendix E. Figure 3.2 illustrates the areas that were confirmed to contain asbestos discovered in the Expanded Asbestos Survey.

3.2 Lead Based Paint Survey

On February 9, 2009, Lanny J. Herring on behalf of AEC performed a lead based paint survey utilizing a portable, handheld X-Ray Fluorescence (XRF) Analyzer. A total of fifty-six (56) data points suspected of containing lead based paint were collected. These data points included all painted surfaces throughout both the interior and exterior areas of the Theater regardless of the substrate. As reported in the QRI Phase I Environmental Site Assessment Report dated February 19, 2009 and addressed to MEL, Inc., of the 56 data points collected, the only ones to confirm the presence of lead were the painted exterior metal entry doors and associated door facings

(Table 3.3). The doors coated with lead based paint are shown in Figure 3.3. The lead paint inspection report is included in Appendix C.

3.3 Lead In Drinking Water Investigation

On February 9, 2009, AEC, at the direction of QRI, collected potable water samples for laboratory testing to determine lead concentrations. Samples were collected from the drinking fountain located in the barbershop area as well as the sink in the lobby snack bar area. Samples were collected from each source point in four (4) separate cuts/draws in an attempt to isolate the four (4) distinct sections of the water line system.

As reported in the QRI Phase I Environmental Site Assessment Report (February 19, 2009), of the four samples collected and analyzed from the drinking fountain located in the barber shop area, the sample from cut/draw No. 4 was found to contain lead below the Safe Drinking Water Act (SDWA) limit of 15 parts per billon (ppb). All four cuts/draws from the sink in the lobby snack bar area exceeded the SDWA limit. These results confirm that the elevated lead concentrations are attributable to the building piping systems and not the local supply. A summary of these results can be found in Table 3.4. The EMSL Analytical report is included as Appendix D.

3.4 Mold/Microbial Growth

On February 15 and 16, 2011, concurrent with asbestos survey activities, Shaw conducted a visual mold assessment to confirm the presence of microbial growth in and on internal building components and systems at the Lincoln Theater. Shaw also noted potential sources of moisture intrusion into the building. Due to compromised structural systems within the Lincoln Theater, such as broken windows and window frames as well as breaches in the roof, allowing the intrusion of moisture into the building envelope, numerous areas of suspected microbial growth were identified (Figures 3.4 and 3.5). These areas included the following.

- Sheetrock and ceiling materials in the projector room, main Theater area, and second floor offices,
- Seat cushions in the Theater area,
- Carpeting in the Theater area and second floor offices,
- Areas behind the wall coverings in the lobby area and the 2nd floor offices,
- and HVAC ductwork.

There are obvious points of moisture intrusion into the building envelope. Specifically, there are numerous broken windows and window frames across the front of the building along with roof leakage from not only a deteriorating roofing surface but holes from a fallen tree. Furthermore, in humid climates, like those in which the Theater exists, merely a lack of air circulation in a building can support mold growth on rough, porous, and permeable surfaces. Figures 4.4 and 4.5 illustrate the areas of the Theater structure with compromised structural systems allowing the entry of moisture.

4.0 Conceptual Clean-Up Strategy and Analysis of Brownfields Cleanup Alternatives

4.1 Introduction

The Louisiana Black History Hall of Fame is currently in the process of planning and preparing for the restoration and redevelopment of the Theater and Theater property. As such, certain building systems and components will need to be replaced or restored in order to bring the Theater structure and building systems up to a functional standard meeting current building and environmental codes and regulations, all the while preserving the historically significant attributes within. The environmental concerns include Asbestos Containing Materials, Lead Based Paint, Lead in Drinking Water, and Mold/Microbial Growth. After sufficient investigation was conducted, as described in the following sections, several cleanup alternatives were evaluated in order to achieve the remediation and renovation goals of the Theater, including no-action alternative. Based on the nature of the impact and the plans for renovation of the historic Theater, the no-action alternative was not deemed reasonable or adequately protective of the future use. Further discussion of the selected cleanup alternatives is included in this conceptual clean-up strategy in the following sections.

4.2 Asbestos Containing Materials

Asbestos inspections revealed a limited amount of ACM within the Theater structure. These materials include the following.

- Approximately 420 square feet of black and white floor tile in the barber shop.
- Approximately 260 square feet of floor tile in the second floor hallway adjacent to the offices and in the bathrooms on the second floor.
- Approximately 20 linear feet of piping insulation in the mechanical/electrical room.

Asbestos containing floor coverings and mastic totaling approximately 680 square feet in two distinct areas are in poor condition given the age of the materials. Although these materials are not friable, they are broken, chipped, displaced, and in a state of disrepair, thus necessitating complete remediation. Per The Louisiana Air Quality Regulations (LAC 33:III.Chapter 51. Subchapter M), asbestos containing floor coverings and mastic are classified as a Category I Nonfriable Asbestos-Containing Material and must be abated per this Code by a State of Louisiana Licensed Asbestos Abatement Contractor employing State of Louisiana Accredited Asbestos Workers. Furthermore, State-licensed abatements contractors must comply with OSHA Inspection Procedures for Occupational Exposure to Asbestos Final Rule 29 CFR Parts

1910.1001, 1926.1101, and 1915.1001. Areas containing ACM that require abatement are shown on Figures 4.1 and 4.2.

Approximately 20 linear feet of piping insulation exist in the mechanical/electrical room. This material is in very poor condition and can easily become airborne and requires complete remediation. Per The Louisiana Air Quality Regulations (LAC 33:III.Chapter 51. Subchapter M), piping insulation is classified as Thermal System Insulation (TSI) and must be abated per this Code by a State of Louisiana Licensed Asbestos Abatement Contractor employing State of Louisiana Accredited Asbestos Workers. Furthermore, State-licensed abatements contractors must comply with OSHA Inspection Procedures for Occupational Exposure to Asbestos Final Rule 29 CFR Parts 1910.1001, 1926.1101, and 1915.1001.

Upon successful completion of abatement activities, the concrete substrate underlying the tile flooring in the barber shop and second floor corridor can be replaced with new flooring or stained and scorned to match the planned new décor. The water piping in the mechanical/electrical room can be reinsulated utilizing a non-asbestos containing insulation such as foam, fiberglass or rubber.

4.3 Lead Based Paint

The painted exterior metal entry doors and associated door facings in the Theater were found to contain lead. Since these doors and door facings are not necessarily historically significant, a complete replacement of these fixtures may be favorable in lieu of remediation via sand-blasting or encapsulation due to the cost-prohibitive nature of small-scale lead paint abatement activities. However, if an abatement is chosen, all applicable rules and regulations including those found in the Louisiana Air Quality Regulations (LAC 33:III.Chapter 28) and OSHA Lead in Construction Standard (29 CFR 1926.62) must be abided by utilizing a State of Louisiana Licensed Lead Abatement Contractor employing State of Louisiana Accredited Lead Workers. Areas coated with Lead Based Paint are shown on Figure 4.3.

4.4 Lead in Drinking Water

Water samples collected from the piping system show that potable water in the Theater contain lead concentrations in excess of the SDWA limit of 15 parts per billion (ppb). To reduce the lead concentrations in the potable water to below 15 ppb, remedies include, but are not limited to, the following:

- Onsite treatment/removal of lead prior to consumption and use; or
- Capping-in-place or removal of the existing potable water system and installing a new piping system according to the specifications of future renovation plans and future planned configurations and locations of fixtures and lavatories.

Based on feasibility and cost, considering the planned renovation, the recommended cleanup alternative is removal and replacement the existing potable water system.

4.5 Mold/Microbial Growth

Mold spores are present in most interior building spaces under normal conditions and are usually non-hazardous unless mold spores land on wet or damp surfaces and begin propagating. Breaches in building envelopes often cause wet and damp conditions in building interiors, particularly in humid climates, that facilitate mold and microbial growth. In the case of the Lincoln Theater, there are obvious points of moisture intrusion into the building envelope. Specifically, there are numerous broken windows and window frames across the front of the building along with roof leakage from not only a deteriorating roofing surface but holes from a fallen tree. Furthermore, in humid climates, like those in which the Theater exists, merely a lack of air circulation in a building can support mold growth on rough, porous, and permeable surfaces.

During the February 2011 inspections, Shaw visually confirmed mold/microbial growth on the carpeting, seat cushions, sheetrock, suspended ceiling tiles, HVAC ductwork and areas behind wall coverings (Figures 3.4 and 3.5. Figures 4.4 and 4.5 illustrate the areas of the Theater structure with compromised structural systems allowing the entry of moisture.

Since there are no promulgated regulations/standards for the remediation of mold impacted media, ultimately any decision dealing with impacted media should be based on professional judgment. However, certain measures can be taken to remediate existing mold/microbial growth and deter future growth, as described in the United States Environmental Protection Agency (EPA)-issued guidance document: "Mold Remediation in Schools and Commercial Buildings" (EPA 402-K-01-001) (March 2001. These measures include, but are not limited to, the following:

- Elimination of sources of moisture intrusion;
- Removal and disposal of impacted media;
- Thorough cleaning of non-removable, non-replaceable media with water and suitable antimicrobial detergent followed by desiccation with a functional HVAC system, dehumidifiers, heaters, and/or fans; and
- Maintaining indoor humidity levels below 60% relative humidity by replacing HVAC systems and/or increasing air circulation.

Considering the plans for renovation of the Theater, the recommended cleanup alternative includes a combination of the above methods depending on the specific media. Work should be performed in connection with building renovations to allow for utilization of the new HVAC system for building conditioning after the mold remediation is complete.

5.0 Discussion of Costs

Shaw worked with the architect of record for the Theater renovation, Chenevert Architects (Baton Rouge, Louisiana), to develop a unit-price-based estimate for the remediation of environmental concerns at the Lincoln Theater. As part of the renovation and redevelopment of the Theater, a portion of the costs of the remediation efforts are eligible for EPA Cleanup Grant and Brownfields Revolving Loans Funds (RLF). Remediation elements that are eligible for Grant and/or RLF funding are those that are direct costs associated with the cleanup of a Brownfield site. Generally, the proposed cleanup is eligible since the environmental investigations have confirmed the presence of hazardous substances, pollutants, or contaminants (CERCLA 104(k)). Grant and RLF funding may also be available to partially or fully fund the replacement of certain building components when replacement is either necessary as a direct cleanup expense, favorable in lieu of abatement (on an evaluation cost basis), or necessary to maintain structural and/or environmental integrity after or during cleanup (i.e. a direct cleanup cost). A summary of the costs associated with remedial efforts is presented in Table 5.1 and described below.

Based on our professional opinion and the investigations conducted at the Lincoln Theater, the total estimated direct cleanup cost eligible for CERCLA 104(k) funding is **$259,210**. The components of these costs are discussed below.

5.1 Asbestos

The recommended cleanup strategy for ACM includes the abatement, or removal and disposal, of approximately 687 square feet of asbestos-containing floor tile and associated mastic. The location and estimated quantity are shown on Figures 4.1 and 4.2. A cost estimate for this work was developed using the following assumptions:

- In our experience, removal and disposal of 687 square feet of ACM floor tile should cost approximately $10.00 per square foot after a mobilization/preparation cost of approximately $500, for a total cost of **$7,370**;

- Since the building will be renovated (and not demolished) the ACM tile will be replaced with suitable flooring. Replacement will also serve as an encapsulation of any remaining mastic not removed during abatement. Based on experience and our discussions with the architect, replacement costs are estimated at $4.00 per square foot, for a total cost of **$2,748**.

- Due to the nature of this work we anticipate that 100% of the removal, disposal, and replacement costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for removal, disposal, and replacement is estimated as **$10,118**, refer to items 5.1 and 5.1.A on Table 5.1.

5.2 Mold and Moisture Intrusion

The abatement and prevention of mold/microbial growth includes the removal and disposal of impacted media, the cleaning of non-removable, non-replaceable media, and the elimination of sources of moisture intrusion. The location and estimated quantities of compromised building materials allowing moisture intrusion and mold impacted building materials are shown on Figures 4.5 and 4.8.

5.2.1 Demolition of Mold-Impacted Walls/Wall Coverings

Mold-impacted walls are found throughout the structure. The locations and estimated quantities are shown on Figure 4.7 and Figure 4.8. A cost estimate for this work was developed using the following assumptions:

- 299 linear feet of walls/wall coverings with 10-foot ceilings,
- the unit price of demolition is $2.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for demolition is estimated as **$6,480**, refer to item 5.2.1 on Table 5.1.

5.2.2 Replacement of Mold-Impacted Walls/Wall Coverings

Replacement of the mold-impacted walls will be required after removal. A cost estimate for this work was developed using the following assumptions:

- 299 linear feet of walls/wall coverings with 10-foot ceilings,
- the unit price of replacement is $6.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$18,440**, refer to item 5.2 on Table 5.1.

5.2.3 Demolition of Mold-Impacted Ceiling Materials

Mold-impacted ceilings are found throughout the structure. The locations and estimated quantities are shown on Figure 4.7 and Figure 4.8. A cost estimate for this work was developed using the following assumptions:

- 5,225 square feet of ceiling materials,
- the unit price of demolition is $2.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for demolition is estimated as **$10,950**, refer to item 5.2.3 on Table 5.1.

5.2.4 Replacement of Mold-Impacted Ceiling Materials in Theater/Auditorium

Replacement of the mold-impacted ceiling in the Theater/Auditorium will be required after removal. A cost estimate for this work was developed using the following assumptions:

- 4,717 square feet of ceiling,
- the unit price of replacement is $9.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$21,476**, refer to item 5.2.4 on Table 5.1.

5.2.5 Replacement of Mold-Impacted Ceiling Materials in Offices and Projector Room

Replacement of the mold-impacted ceiling in the offices and projector room will be required after removal. A cost estimate for this work was developed using the following assumptions:

- 508 square feet of ceiling,
- the unit price of replacement is $4.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and

- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$2,532**, refer to item 5.2.5 on Table 5.1.

5.2.6 Demolition of HVAC Ductwork

The HVAC ductwork is impacted with mold and should be cleaned or replaced. The location and estimated quantity are shown on Figure 4.8. In our experience and professional opinion the cost for demolition and replacement would be less expensive and more effective than cleaning. A cost estimate for this work was developed using the following assumptions:

- 239 linear feet of ductwork,
- plus the addition of 10% (24 linear feet) of connective ductwork to connect to air conditioning unit (air handling unit),
- the unit price of demolition is $5.00 per linear foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for demolition is estimated as **$1,815**, refer to item 5.2.6 on Table 5.1.

5.2.7 Replacement of HVAC Ductwork

A cost estimate for the replacement was developed using the following assumptions:

- 239 linear feet of ductwork,
- plus the addition of 10% (24 linear feet) of connective ductwork to connect to air conditioning unit
- the unit price of replacement is $10.00 per linear foot,
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$2,629**, refer to item 5.2.7 on Table 5.1.

5.2.8 Removal of Mold-Impacted Carpet in Theater Area and Offices

Mold-impacted carpeting is found throughout the structure. The locations and estimated quantities are shown on Figure 4.7 and Figure 4.8. A cost estimate for this work was developed using the following assumptions:

- 3,162 square feet of carpet,
- the unit price of removal is $2.00 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for removal is estimated as **$6,824**, refer to item 5.2.8 on Table 5.1.

5.2.9 Replacement of Mold-Impacted Carpet

The underlying floor surface is not suitable as flooring so replacement would be required. A cost estimate for this work was developed using the following assumptions:

- 3,162 square feet of carpet,
- the unit price of replacement is $3.33 per square foot,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as $11,040 refer to item 5.2.9 on Table 5.1.

5.2.10 Removal of Mold-Impacted Theater Seats

The fabric and filling in theater seats are mold-impacted as shown on Figure 4.7. It is not feasible to clean or cost effective to remove and replace only the seat cushions. A cost estimate for this work was developed using the following assumptions:

- 516 seats,
- the unit price of removal is $10.00 per seat,
- $500.00 of other costs associated with mobilization and preparation, and

- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for removal is estimated as **$5,660**, refer to item 5.2.10 and on the Table 5.1.

5.2.11 Replacement of Mold-Impacted Theater Seats

A cost estimate for replacement was developed using the following assumptions:

- 516 seats,
- the unit price of replacement of similar type is $250.00 per seat,
- $500.00 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$64,750**, refer to item 5.2.11on Table 5.1.

5.2.12 Removal of Damaged Windows and Frames

Certain windows are damaged and have allowed water to leak into the building. The locations and estimated quantities are shown on Figure 4.5. Repairs may be possible rather than removal or replacement, but current renovations expect to replace all of the windows with more energy efficient and suitable window. To account for this cost difference the eligible costs have been factored as described below. A cost estimate for this work was developed using the following assumptions:

- 29 window and frames,
- the unit price of removal is $500.00 per window and frame,
- $2,000 of other costs associated with mobilization and preparation, and
- 10% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for removal is estimated as **$1,650**, refer to item 5.2.12 on Table 5.1.

5.2.13 Replacement of Damged Windows and Frames

A cost estimate for this replacement was developed using the following assumptions:

- 29 window and frames,

- the unit price of replacement is $1,500.00 per window and frame,
- $2,000 of other costs associated with mobilization and preparation, and
- 10% of the costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$4,550**, refer to item 5.2.13 on Table 5.1.

5.2.14 Demolition of Damaged Roof

The roof is damaged and has allowed water to leak into the building. The location and estimated damaged area are shown on Figure 4.6. Repairs may be possible rather than removal or replacement, but current renovation plans include replacement of the entire roof. To account for this cost difference the eligible costs have been factored as described below. A cost estimate for this work was developed using the following assumptions:

- 7,342 square feet of rooftop
- the unit price of demolition is $5.00 per square foot,
- $5,000 of other costs associated with mobilization and preparation, and
- 20% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for demolition is estimated as **$8,342**, refer to item 5.2.14 on Table 5.1.

5.2.15 Replacement of Damaged Roof

A cost estimate for replacement (factored as described above) was developed using the following assumptions:

- 7,342 square feet of rooftop
- the unit price of replacement is $11.00 per square foot, and
- 20% of the costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for replacement is estimated as **$16,152**, refer to item 5.2.15 on Table 5.1.

5.3 Lead Based Paint

The locations of the lead paint coated surfaces are shown on Figure 4.4. The abatement of lead based paint on some of the Theater doors would includes sandblasting of approximately 120 square feet of impacted media. An alternative remedy to sandblasting that was also considered was the removal and replacement of the doors. It was assumed, however, that the cost of the removal and replacement of the doors would exceed that of abatement. Therefore, in our opinion, regardless of the remedy selected, the total estimated eligible costs would be based on the lower cost option, sandblasting, for a total estimated cost of $6,200.00. A cost estimate for this work was developed using the following assumptions:

- the unit price of abatement is $10.00 per square foot,
- $5,000 of other costs associated with mobilization and preparation, and
- 100% of the demolition costs would be deemed eligible cleanup expenses under CERCLA §104(k).

The total cost for abatement is estimated as **$6,200**, refer to item 5.3 on Table 5.1.

5.4 Lead In Drinking Water

The locations of the potable fixtures in the building are shown on Figure 4.2. The abatement of the water piping system and fixtures in the Theater includes the removal of lead-impacted piping and fixtures and the replacement of only the piping system. It was assumed that the cost of new water fixtures is not an eligible cleanup expense. Therefore the costs of 1 urinal at a unit price of $1,100.00, 6 lavatories at a unit price of $1,000.00, and 5 water closets at a unit price of $1,300.00 were deducted from the total of eligible expenses. A cost estimate for this work was developed using the following assumptions:

- a lump sum of $30,000.00 to remove and replace the entire water piping system and fixtures
- less the cost of new fixtures (estimated $13,600); and
- 100% of the costs would deemed eligible cleanup expenses under CERCLA §104(k) with the exception of the replacement of fixtures.

The total cost for replacement is estimated as **$16,400**, refer to item 5.4 on Table 5.1.

5.5 Grant Management

The cost of programmatic grant management is expected to be at least 10% of the cost of the remediation work. Total grant management costs are estimated to be **$21,601**.

5.6 Engineering Oversight

The cost of direct cleanup costs to provide engineering oversight is expected to be 10% of the cost of the remediation work. Total engineering oversight costs are estimated to be **$21,600.84**.

6.0 Conclusion

After sufficient investigations were conducted to identify and quantify environmental impacts to the Lincoln Theater, Shaw met with the Louisiana Black History Hall of Fame and Chenevert Architects to develop a Cleanup Strategy and an Analysis of Brownfields Cleanup Alternatives suitable for the future renovation efforts of the Theater. The cleanup options were evaluated based on cost and practicality and the selected remedies are presented herein.

Based on our professional opinion and the investigations conducted at the Lincoln Theater, the total estimated direct cleanup cost eligible for CERCLA 104(k) funding is **$259,210**.

TABLES

TABLE 3.1
LIMITED ASBESTOS SURVEY SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Sample No.	Date Collected	Layer No.	Location	Description	Asbestos Containing (Y/N)	Type of Asbestos	% Asbestos	Method
1	2/9/2009	1	Stage	Black Floor Tile	N	n/a	n/a	EPA600/R-93/116
1	2/9/2009	2	Stage	Tan Mastic	N	n/a	n/a	EPA600/R-93/117
2	2/9/2009	1	Stage	Gray/Black Tile Material	N	n/a	n/a	EPA600/R-93/116
3	2/9/2009	1	Theater Ceiling	Gray Fire Proofing	N	n/a	n/a	EPA600/R-93/116
4	2/9/2009	1	2nd Floor Offices	Tan Floor Tile	Y	Chrysotile	3	EPA600/R-93/116
4	2/9/2009	2	2nd Floor Offices	Black Mastic	Y	Chrysotile	4	EPA600/R-93/117
4	2/9/2009	1	2nd Floor Offices	Tan Floor Tile	Y	Chrysotile	3	EPA600/R-93/118
4	2/9/2009	2	2nd Floor Offices	Black Mastic	Y	Chrysotile	4	EPA600/R-93/119

TABLE 3.2
EXPANDED ASBESTOS SURVEY SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Sample ID	Date Collected	Date Analyzed	Lab Sample ID	Location	Description	Result	Asbestos Containing (Y/N)	Type of Asbestos	% Asbestos	Method	Quantity	Condition	Friable (Y/N)	Disturbance Potential
1A	2/15/2011	3/1/2011	041103907-0001	Concession Area	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
1B	2/15/2011	3/1/2011	041103907-0002	Concession Area	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
1C	2/15/2011	3/1/2011	041103907-0003	Concession Area	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
2A	2/15/2011	3/1/2011	041103907-0004	Concession Area	Underside Coating of Sinks	None Detected	No	n/a	n/a	EPA600/R-93/116				
2B	2/15/2011	3/1/2011	041103907-0005	Concession Area	Underside Coating of Sinks	None Detected	No	n/a	n/a	EPA600/R-93/116				
2C	2/15/2011	3/1/2011	041103907-0006	Concession Area	Underside Coating of Sinks	None Detected	No	n/a	n/a	EPA600/R-93/116				
3A	2/15/2011	3/1/2011	041103907-0007	Concession Area	Ceiling Coating & Substrate	None Detected	No	n/a	n/a	EPA600/R-93/116				
3B	2/15/2011	3/1/2011	041103907-0008	Concession Area	Ceiling Coating & Substrate	None Detected	No	n/a	n/a	EPA600/R-93/116				
3C	2/15/2011	3/1/2011	041103907-0009	Concession Area	Ceiling Coating & Substrate	None Detected	No	n/a	n/a	EPA600/R-93/116				
4A	2/15/2011	3/1/2011	041103907-0010	Lobby	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
4B	2/15/2011	3/1/2011	041103907-0011	Lobby	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
4C	2/15/2011	3/1/2011	041103907-0012	Lobby	Wall Paper & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
5A	2/15/2011	3/1/2011	041103907-0013	Lobby	Floral Border Wall Paper	None Detected	No	n/a	n/a	EPA600/R-93/116				
5B	2/15/2011	3/1/2011	041103907-0014	Lobby	Floral Border Wall Paper	None Detected	No	n/a	n/a	EPA600/R-93/116				
5C	2/15/2011	3/1/2011	041103907-0015	Lobby	Floral Border Wall Paper	None Detected	No	n/a	n/a	EPA600/R-93/116				
6A	2/15/2011	3/1/2011	041103907-0016	Retail Area	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
6B	2/15/2011	3/1/2011	041103907-0017	Retail Area	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
6C	2/15/2011	3/1/2011	041103907-0018	Retail Area	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
7A	2/15/2011	3/1/2011	041103907-0019	Retail Area	Electrical Panel Partition	None Detected	No	n/a	n/a	EPA600/R-93/116				
7B	2/15/2011	3/1/2011	041103907-0020	Retail Area	Electrical Panel Partition	None Detected	No	n/a	n/a	EPA600/R-93/116				
7C	2/15/2011	3/1/2011	041103907-0021	Retail Area	Electrical Panel Partition	None Detected	No	n/a	n/a	EPA600/R-93/116				
8A	2/15/2011	3/1/2011	041103907-0022	Retail Area Closet	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
8B	2/15/2011	3/1/2011	041103907-0023	Retail Area Closet	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
8C	2/15/2011	3/1/2011	041103907-0024	Retail Area Closet	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
9A	2/15/2011	3/1/2011	041103907-0025	Retail Area Closet	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
9B	2/15/2011	3/1/2011	041103907-0026	Retail Area Closet	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
9C	2/15/2011	3/1/2011	041103907-0027	Retail Area Closet	Wall Covering & Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
10A	2/15/2011	3/1/2011	041103907-0028	Retail Area Closet	Wall Board	None Detected	No	n/a	n/a	EPA600/R-93/116				
10B	2/15/2011	3/1/2011	041103907-0029	Retail Area Closet	Wall Board	None Detected	No	n/a	n/a	EPA600/R-93/116				
10C	2/15/2011	3/1/2011	041103907-0030	Retail Area Closet	Wall Board	None Detected	No	n/a	n/a	EPA600/R-93/116				
11A	2/15/2011	3/1/2011	041103907-0031	Concession Area	Outer vertical counter cover	None Detected	No	n/a	n/a	EPA600/R-93/116				
11B	2/15/2011	3/1/2011	041103907-0032	Concession Area	Outer vertical counter cover	None Detected	No	n/a	n/a	EPA600/R-93/116				
11C	2/15/2011	3/1/2011	041103907-0033	Concession Area	Outer vertical counter cover	None Detected	No	n/a	n/a	EPA600/R-93/116				
12A	2/15/2011	3/1/2011	041103907-0034	Concession Area	Countertop	None Detected	No	n/a	n/a	EPA600/R-93/116				
12A	2/15/2011	3/1/2011	041103907-0034A	Concession Area	Countertop Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
12B	2/15/2011	3/1/2011	041103907-0035	Concession Area	Countertop	None Detected	No	n/a	n/a	EPA600/R-93/116				
12B	2/15/2011	3/1/2011	041103907-0035A	Concession Area	Countertop Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
12C	2/15/2011	3/1/2011	041103907-0036	Concession Area	Countertop	None Detected	No	n/a	n/a	EPA600/R-93/116				
12C	2/15/2011	3/1/2011	041103907-0036A	Concession Area	Countertop Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
13A	2/15/2011	3/1/2011	041103907-0037	Barber Shop	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
13A	2/15/2011	3/1/2011	041103907-0037A	Barber Shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
13A	2/15/2011	3/1/2011	041103907-0037B	Barber Shop	Red floor tile	Positive	Yes	Chrysotile	3%	EPA600/R-93/116	420 ft^2	Good	No	Low
13B	2/15/2011	3/1/2011	041103907-0038	Barber Shop	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
13B	2/15/2011	3/1/2011	041103907-0038A	Barber Shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
13B	2/15/2011	3/1/2011	041103907-0038B	Barber Shop	Tan floor tile	Positive	Yes	Chrysotile	3%	EPA600/R-93/116	420 ft^2	Good	No	Low
13C	2/15/2011	3/1/2011	041103907-0039	Barber Shop	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
13C	2/15/2011	3/1/2011	041103907-0039A	Barber Shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
13C	2/15/2011	3/1/2011	041103907-0039B	Barber Shop	Red floor tile	Stop positive	Yes	Chrysotile	N/A	EPA600/R-93/116	420 ft^2	Good	No	Low
14A	2/15/2011	3/1/2011	041103907-0040	Barber shop	White floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
14A	2/15/2011	3/1/2011	041103907-0040A	Barber shop	Tan floor tile	Positive	Yes	Chrysotile	6%	EPA600/R-93/116	420 ft^2	Good	No	Low
14A	2/15/2011	3/1/2011	041103907-0040B	Barber shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
14B	2/15/2011	3/1/2011	041103907-0041	Barber shop	White floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
14B	2/15/2011	3/1/2011	041103907-0041A	Barber shop	Tan floor tile	Stop positive	Yes	Chrysotile	N/A	EPA600/R-93/116	420 ft^2	Good	No	Low
14B	2/15/2011	3/1/2011	041103907-0041B	Barber shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
14C	2/15/2011	3/1/2011	041103907-0042	Barber shop	White floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
14C	2/15/2011	3/1/2011	041103907-0042A	Barber shop	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
15A	2/15/2011	3/1/2011	041103907-0043	First floor bathrooms and ticket office	Wall Coating	None Detected	No	n/a	n/a	EPA600/R-93/116				
15B	2/15/2011	3/1/2011	041103907-0044	First floor bathrooms and ticket office	Wall Coating	None Detected	No	n/a	n/a	EPA600/R-93/116				
15C	2/15/2011	3/1/2011	041103907-0045	First floor bathrooms and ticket office	Wall Coating	None Detected	No	n/a	n/a	EPA600/R-93/116				
16A	2/15/2011	3/1/2011	041103907-0046	Theater Area	Seat Padding	None Detected	No	n/a	n/a	EPA600/R-93/116				
16B	2/15/2011	3/1/2011	041103907-0047	Theater Area	Seat Padding	None Detected	No	n/a	n/a	EPA600/R-93/116				
16C	2/15/2011	3/1/2011	041103907-0048	Theater Area	Seat Padding	None Detected	No	n/a	n/a	EPA600/R-93/116				
16D	2/15/2011	3/1/2011	041103907-0049	Theater Area	Seat Padding	None Detected	No	n/a	n/a	EPA600/R-93/116				
16E	2/15/2011	3/1/2011	041103907-0050	Theater Area	Seat Padding	None Detected	No	n/a	n/a	EPA600/R-93/116				
17A	2/15/2011	3/1/2011	041103907-0051	Theater Area	Red Carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				

TABLE 3.2
EXPANDED ASBESTOS SURVEY SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Sample ID	Date Collected	Date Analyzed	Lab Sample ID	Location	Description	Result	Asbestos Containing (Y/N)	Type of Asbestos	% Asbestos	Method	Quantity	Condition	Friable (Y/N)	Disturbance Potential
17A	2/15/2011	3/1/2011	041103907-0051A	Theater Area	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
17B	2/15/2011	3/1/2011	041103907-0052	Theater Area	Red Carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
17B	2/15/2011	3/1/2011	041103907-0052A	Theater Area	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
17C	2/15/2011	3/1/2011	041103907-0053	Theater Area	Red Carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
17C	2/15/2011	3/1/2011	041103907-0053A	Theater Area	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
17D	2/15/2011	3/1/2011	041103907-0054	Theater Area	Red Carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
17D	2/15/2011	3/1/2011	041103907-0054A	Theater Area	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
17E	2/15/2011	3/1/2011	041103907-0055	Theater Area	Red Carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
17E	2/15/2011	3/1/2011	041103907-0055A	Theater Area	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
18A	2/15/2011	3/1/2011	041103907-0056	Back stage Area	Plaster Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
18A	2/15/2011	3/1/2011	041103907-0056A	Back stage Area	Plaster Ceiling Liner	None Detected	No	n/a	n/a	EPA600/R-93/116				
18B	2/15/2011	3/1/2011	041103907-0057	Back stage Area	Plaster Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
18B	2/15/2011	3/1/2011	041103907-0057A	Back stage Area	Plaster Ceiling Liner	None Detected	No	n/a	n/a	EPA600/R-93/116				
18C	2/15/2011	3/1/2011	041103907-0058	Back stage Area	Plaster Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
18C	2/15/2011	3/1/2011	041103907-0058A	Back stage Area	Plaster Ceiling Liner	None Detected	No	n/a	n/a	EPA600/R-93/116				
19A	2/15/2011	3/1/2011	041103907-0059	Projector room	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
19B	2/15/2011	3/1/2011	041103907-0060	Projector room	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
19C	2/15/2011	3/1/2011	041103907-0061	Projector room	Suspended Ceiling	None Detected	No	n/a	n/a	EPA600/R-93/116				
20A	2/15/2011	3/1/2011	041103907-0062	Projector room	Ceiling Surfacing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
20B	2/15/2011	3/1/2011	041103907-0063	Projector room	Ceiling Surfacing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
20C	2/15/2011	3/1/2011	041103907-0064	Projector room	Ceiling Surfacing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
21A	2/16/2011	3/1/2011	041103907-0065	Mechanical/electrical room	Water Pipe Insulation	Positive	Yes	Chrysotile	50%	EPA600/R-93/116	20 linear feet	Poor	Yes	High
21B	2/16/2011	3/1/2011	041103907-0066	Mechanical/electrical room	Water Pipe Insulation	Stop positive	Yes	Chrysotile	N/A	EPA600/R-93/116	20 linear feet	Poor	Yes	High
21C	2/16/2011	3/1/2011	041103907-0067	Mechanical/electrical room	Water Pipe Insulation	Stop positive	Yes	Chrysotile	N/A	EPA600/R-93/116	20 linear feet	Poor	Yes	High
22A	2/16/2011	3/1/2011	041103907-0068	Mechanical/electrical room	HVAC External Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
22B	2/16/2011	3/1/2011	041103907-0069	Mechanical/electrical room	HVAC External Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
22C	2/16/2011	3/1/2011	041103907-0070	Mechanical/electrical room	HVAC External Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
23A	2/16/2011	3/1/2011	041103907-0071	Mechanical/electrical room	HVAC Access Panel Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
23B	2/16/2011	3/1/2011	041103907-0072	Mechanical/electrical room	HVAC Access Panel Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
23C	2/16/2011	3/1/2011	041103907-0073	Mechanical/electrical room	HVAC Access Panel Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
24A	2/16/2011	3/1/2011	041103907-0074	Mechanical/electrical room	HVAC Ductwork Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
24B	2/16/2011	3/1/2011	041103907-0075	Mechanical/electrical room	HVAC Ductwork Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
24C	2/16/2011	3/1/2011	041103907-0076	Mechanical/electrical room	HVAC Ductwork Insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
25A	2/16/2011	3/1/2011	041103907-0077	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25B	2/16/2011	3/1/2011	041103907-0078	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25C	2/16/2011	3/1/2011	041103907-0079	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25D	2/16/2011	3/1/2011	041103907-0080	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25E	2/16/2011	3/1/2011	041103907-0081	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25F	2/16/2011	3/1/2011	041103907-0082	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
25G	2/16/2011	3/1/2011	041103907-0083	Roof	Roofing Material	None Detected	No	n/a	n/a	EPA600/R-93/116				
26A	2/16/2011	3/1/2011	041103907-0084	Second floor restrooms and landing	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
26A	2/16/2011	3/1/2011	041103907-0084A	Second floor restrooms and landing	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
26B	2/16/2011	3/1/2011	041103907-0085	Second floor restrooms and landing	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
26B	2/16/2011	3/1/2011	041103907-0085A	Second floor restrooms and landing	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
26C	2/16/2011	3/1/2011	041103907-0086	Second floor restrooms and landing	Black floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
26C	2/16/2011	3/1/2011	041103907-0086A	Second floor restrooms and landing	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27A	2/16/2011	3/1/2011	041103907-0087	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27A	2/16/2011	3/1/2011	041103907-0087A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27B	2/16/2011	3/1/2011	041103907-0088	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27B	2/16/2011	3/1/2011	041103907-0088A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27C	2/16/2011	3/1/2011	041103907-0089	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27C	2/16/2011	3/1/2011	041103907-0089A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27D	2/16/2011	3/1/2011	041103907-0090	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27D	2/16/2011	3/1/2011	041103907-0090A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27E	2/16/2011	3/1/2011	041103907-0091	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27E	2/16/2011	3/1/2011	041103907-0091A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27F	2/16/2011	3/1/2011	041103907-0092	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27F	2/16/2011	3/1/2011	041103907-0092A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
27G	2/16/2011	3/1/2011	041103907-0093	Second floor hallway	Black baseBoard	None Detected	No	n/a	n/a	EPA600/R-93/116				
27G	2/16/2011	3/1/2011	041103907-0093A	Second floor hallway	BaseBoard Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
28A	2/16/2011	3/1/2011	041103907-0094	East stairwell	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
28A	2/16/2011	3/1/2011	041103907-0094A	East stairwell	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
28B	2/16/2011	3/1/2011	041103907-0095	East stairwell	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
28B	2/16/2011	3/1/2011	041103907-0095A	East stairwell	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
28C	2/16/2011	3/1/2011	041103907-0096	East stairwell	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
28C	2/16/2011	3/1/2011	041103907-0096A	East stairwell	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				

TABLE 3.2
EXPANDED ASBESTOS SURVEY SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Sample ID	Date Collected	Date Analyzed	Lab Sample ID	Location	Description	Result	Asbestos Containing (Y/N)	Type of Asbestos	% Asbestos	Method	Quantity	Condition	Friable (Y/N)	Disturbance Potential
29A	2/16/2011	3/1/2011	041103907-0097	Second floor men's room	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
29B	2/16/2011	3/1/2011	041103907-0098	Second floor men's room	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
29C	2/16/2011	3/1/2011	041103907-0099	Second floor men's room	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
30A	2/16/2011	3/1/2011	041103907-0100	East stairwell	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
30B	2/16/2011	3/1/2011	041103907-0101	East stairwell	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
30C	2/16/2011	3/1/2011	041103907-0102	East stairwell	Wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
31A	2/16/2011	3/1/2011	041103907-0103	Second floor offices	Vertical strip wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
31B	2/16/2011	3/1/2011	041103907-0104	Second floor offices	Vertical strip wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
31C	2/16/2011	3/1/2011	041103907-0105	Second floor offices	Vertical strip wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
31D	2/16/2011	3/1/2011	041103907-0106	Second floor offices	Vertical strip wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
31E	2/16/2011	3/1/2011	041103907-0107	Second floor offices	Vertical strip wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
32A	2/16/2011	3/1/2011	041103907-0108	Second floor offices	Marbled wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
32B	2/16/2011	3/1/2011	041103907-0109	Second floor offices	Marbled wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
32C	2/16/2011	3/1/2011	041103907-0110	Second floor offices	Marbled wall covering	None Detected	No	n/a	n/a	EPA600/R-93/116				
33A	2/16/2011	3/1/2011	041103907-0111	Second floor exterior	Window caulking	None Detected	No	n/a	n/a	EPA600/R-93/116				
33B	2/16/2011	3/1/2011	041103907-0112	Second floor exterior	Window caulking	None Detected	No	n/a	n/a	EPA600/R-93/116				
33C	2/16/2011	3/1/2011	041103907-0113	Second floor exterior	Window caulking	None Detected	No	n/a	n/a	EPA600/R-93/116				
34A	2/16/2011	3/1/2011	041103907-0114	Second floor offices	Blue carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
34A	2/16/2011	3/1/2011	041103907-0114A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
34B	2/16/2011	3/1/2011	041103907-0115	Second floor offices	Blue carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
34B	2/16/2011	3/1/2011	041103907-0115A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
34C	2/16/2011	3/1/2011	041103907-0116	Second floor offices	Blue carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
34C	2/16/2011	3/1/2011	041103907-0116A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
35A	2/16/2011	3/1/2011	041103907-0117	Second floor offices	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
35A	2/16/2011	3/1/2011	041103907-0117A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
35B	2/16/2011	3/1/2011	041103907-0118	Second floor offices	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
35B	2/16/2011	3/1/2011	041103907-0118A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
35C	2/16/2011	3/1/2011	041103907-0119	Second floor offices	Gray carpet	None Detected	No	n/a	n/a	EPA600/R-93/116				
35C	2/16/2011	3/1/2011	041103907-0119A	Second floor offices	Carpet Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
36A	2/16/2011	3/1/2011	041103907-0120	Second floor HVAC ductwork	HVAC insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
36B	2/16/2011	3/1/2011	041103907-0121	Second floor HVAC ductwork	HVAC insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
36C	2/16/2011	3/1/2011	041103907-0122	Second floor HVAC ductwork	HVAC insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
36D	2/16/2011	3/1/2011	041103907-0123	Second floor HVAC ductwork	HVAC insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
36E	2/16/2011	3/1/2011	041103907-0124	Second floor HVAC ductwork	HVAC insulation	None Detected	No	n/a	n/a	EPA600/R-93/116				
37A	2/16/2011	3/1/2011	041103907-0124A	Retail Area Closet	Tan floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
37A	2/16/2011	3/1/2011	041103907-0124B	Retail Area Closet	Floor leveler	None Detected	No	n/a	n/a	EPA600/R-93/116				
37B	2/16/2011	3/1/2011	041103907-0124C	Retail Area Closet	Tan Floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
37B	2/16/2011	3/1/2011	041103907-0124D	Retail Area Closet	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				
37C	2/16/2011	3/1/2011	041103907-0124E	Retail Area Closet	Tan floor tile	None Detected	No	n/a	n/a	EPA600/R-93/116				
37C	2/16/2011	3/1/2011	041103907-0124F	Retail Area Closet	Floor leveler	None Detected	No	n/a	n/a	EPA600/R-93/116				
37C	2/16/2011	3/1/2011	041103907-0124G	Retail Area Closet	Floor tile Mastic	None Detected	No	n/a	n/a	EPA600/R-93/116				

TABLE 3.3
LEAD BASED PAINT INSPECTION SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Reading No.	Date Analyzed	Room No.	Room Name	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Mode
1	2/9/2009	n/a	Calibration	N/A	N/A	N/A	N/A	I	N/A	N/A	0.9	TC
2	2/9/2009	n/a	Calibration	N/A	N/A	N/A	N/A	I	N/A	N/A	0.9	TC
3	2/9/2009	n/a	Calibration	N/A	N/A	N/A	N/A	I	N/A	N/A	1.1	TC
4	2/9/2009	001	Building 1	A	Wall	Right	N/A	I	N/A	N/A	-0.1	QM
5	2/9/2009	001	Building 1	A	Wall	Right	N/A	I	Brick	Red	0.0	QM
6	2/9/2009	001	Building 1	A	Wall	Right	N/A	I	Brick	White	-0.1	QM
7	2/9/2009	001	Building 1	A	Door	Right	Door Facing	I	Metal	White	1.1	QM
8	2/9/2009	001	Building 1	A	Door	Right	Left Casing	I	Metal	White	1.1	QM
9	2/9/2009	001	Building 1	A	Wall	Center	Panel	I	Wood	White	0.1	QM
10	2/9/2009	001	Building 1	A	Wall	Center	Panel Trim	I	Wood	White	-0.2	QM
11	2/9/2009	001	Building 1	A	Wall	Center	Gutter	I	Wood	Tan	-0.1	QM
12	2/9/2009	001	Building 1	A	Wall	Center	Gutter	I	Wood	White	0.0	QM
13	2/9/2009	001	Building 1	B	Wall	Right	N/A	I	Brick	Tan	-0.1	QM
14	2/9/2009	001	Building 1	B	Wall	Right	Panel	I	Wood	Tan	0.0	QM
15	2/9/2009	001	Building 1	B	Wall	Right	Panel Trim	I	Wood	White	-0.1	QM
16	2/9/2009	001	Building 1	B	Door	Right	Door Facing	I	Wood	White	0.1	QM
17	2/9/2009	001	Building 1	B	Door	Right	Left Casing	I	Wood	White	0.1	QM
18	2/9/2009	001	Building 1	B	Door	Right	Right Casing	I	Wood	White	2.3	QM
19	2/9/2009	001	Building 1	C	Wall	Right	N/A	I	Brick	White	-0.4	QM
20	2/9/2009	001	Building 1	D	Wall	Right	N/A	I	Brick	Tan	0.2	QM
21	2/9/2009	001	Entry	D	Wall	Right	Gutter	I	Metal	Tan	-0.1	QM
22	2/9/2009	001	Entry	A	Wall	Center	N/A	I	Drywall	White	0.0	QM
23	2/9/2009	001	Entry	B	Wall	Center	N/A	I	Drywall	Tan	0.1	QM
24	2/9/2009	001	Entry	A	Ceiling	N/A	N/A	I	Drywall	White	0.0	QM
25	2/9/2009	001	Entry	A	Baseboard	Center	N/A	I	Wood	White	0.1	QM
26	2/9/2009	001	Entry	B	Door Face	Right	N/A	I	Wood	White	0.0	QM
27	2/9/2009	001	Snack Bar	B	Door	Right	Left Casing	I	Wood	White	1.1	QM
28	2/9/2009	002	Snack Bar	A	Ceiling	N/A	N/A	I	Drywall	White	-0.1	QM
29	2/9/2009	002	Snack Bar	A	Baseboard	Center	N/A	I	Wood	White	-0.1	QM
30	2/9/2009	002	Snack Bar	A	Wall	Center	N/A	I	Drywall	Red	-0.1	QM
31	2/9/2009	002	Snack Bar	B	Wall	Center	N/A	I	Drywall	Red	-0.1	QM
32	2/9/2009	002	Snack Bar	C	Wall	Center	N/A	I	Stucco	Red	0.1	QM
33	2/9/2009	002	Snack Bar	A	Counter Shelf	Center	N/A	I	Wood	White	0.2	QM
34	2/9/2009	002	Snack Bar	D	Counter Shelf	Center	N/A	I	Wood	White	-0.1	QM
35	2/9/2009	002	Snack Bar	D	Trim	Center	N/A	I	Wood	Red	-0.2	QM
36	2/9/2009	003	Mens Bathroom	B	Wall	Center	N/A	I	Stucco	White	0.0	QM
37	2/9/2009	003	Mens Bathroom	C	Wall	Center	N/A	I	Stucco	White	0.4	QM
38	2/9/2009	003	Mens Bathroom	A	AC Vents	Right	N/A	I	Metal	White	0.0	QM
39	2/9/2009	004	Barber shop	A	Ceiling	Center	N/A	I	Drywall	White	-0.3	QM
40	2/9/2009	004	Barber shop	A	Wall	Center	N/A	I	Stucco	White	-0.1	QM
41	2/9/2009	004	Barber shop	B	Wall	Center	N/A	I	Stucco	White	-0.1	QM

TABLE 3.3
LEAD BASED PAINT INSPECTION SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Reading No.	Date Analyzed	Room No.	Room Name	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Mode
42	2/9/2009	004	Barber shop	C	Wall	Center	N/A	I	Stucco	White	0.2	QM
43	2/9/2009	004	Barber shop	D	Wall	Center	N/A	I	Stucco	White	0.2	QM
44	2/9/2009	004	Barber shop	A	Wall	Center	N/A	I	Stucco	White	-0.1	QM
45	2/9/2009	004	Barber shop	A	Door Face	Center	N/A	I	Wood	Black	0.4	QM
46	2/9/2009	004	Barber shop	A	Door	Center	Left Casing	I	Wood	Black	0.0	QM
47	2/9/2009	004	Barber shop	A	Door Face	Center	N/A	I	Wood	Black	0.5	QM
48	2/9/2009	004	Barber shop	A	Door	Left	Left Casing	P	Wood	Black	0.6	QM
49	2/9/2009	005	Ladies Bathroom	A	Window	Left	Left Casing	P	Stucco	White	0.3	QM
50	2/9/2009	006	Office 5	A	Window	Left	Left Casing	P	Stucco	White	-0.1	QM
51	2/9/2009	007	Theater	C	Window	Center	Left Casing	I	Stucco	White	-0.1	QM
52	2/9/2009	008	Theater	A	Wall	Center	N/A	I	Stucco	White	0.2	QM
53	2/9/2009	008	Theater	A	Wall	Center	N/A	I	Stucco	Red	0.6	QM
54	2/9/2009	008	Theater	B	Wall	Center	N/A	I	Stucco	White	0.2	QM
55	2/9/2009	008	Theater	B	Wall	Center	N/A	I	Stucco	Red	0.1	QM
56	2/9/2009	008	Theater	C	Door	Left	Door Facing	I	Metal	White	0.6	QM
57	2/9/2009	009	Theater	C	Door	Left	Left Casing	I	Wood	White	0.5	QM
58	2/9/2009	008	Theater	C	Door	Right	Door Facing	I	Metal	White	0.7	QM
59	2/9/2009	008	Theater	C	Door	Right	Left Casing	I	Wood	White	0.6	QM
60	2/9/2009	008	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1	TC
61	2/9/2009	008	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1	TC
62	2/9/2009	008	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1	TC

RF Type Analyzer (Serial No. 1387)

TABLE 3.4
LEAD IN WATER SUMMARY TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

Sample No.	Sample Location	Cut/Draw No.	Date Collected	Date Analyzed	Lead Concentration
W-1-A	Barber Shop Drinking Fountain	1	2/10/2009	2/16/2009	310 ppb
W-2-A	Barber Shop Drinking Fountain	2	2/10/2009	2/16/2009	98 ppb
W-3-A	Barber Shop Drinking Fountain	3	2/10/2009	2/16/2009	23 ppb
W-4-A	Barber Shop Drinking Fountain	4	2/10/2009	2/16/2009	7.3 ppb
W-1-B	Snack Bar Sink	1	2/10/2009	2/16/2009	65 ppb
W-2-B	Snack Bar Sink	2	2/10/2009	2/16/2009	43 ppb
W-3-B	Snack Bar Sink	3	2/10/2009	2/16/2009	21 ppb
W-4-B	Snack Bar Sink	4	2/10/2009	2/16/2009	61 ppb

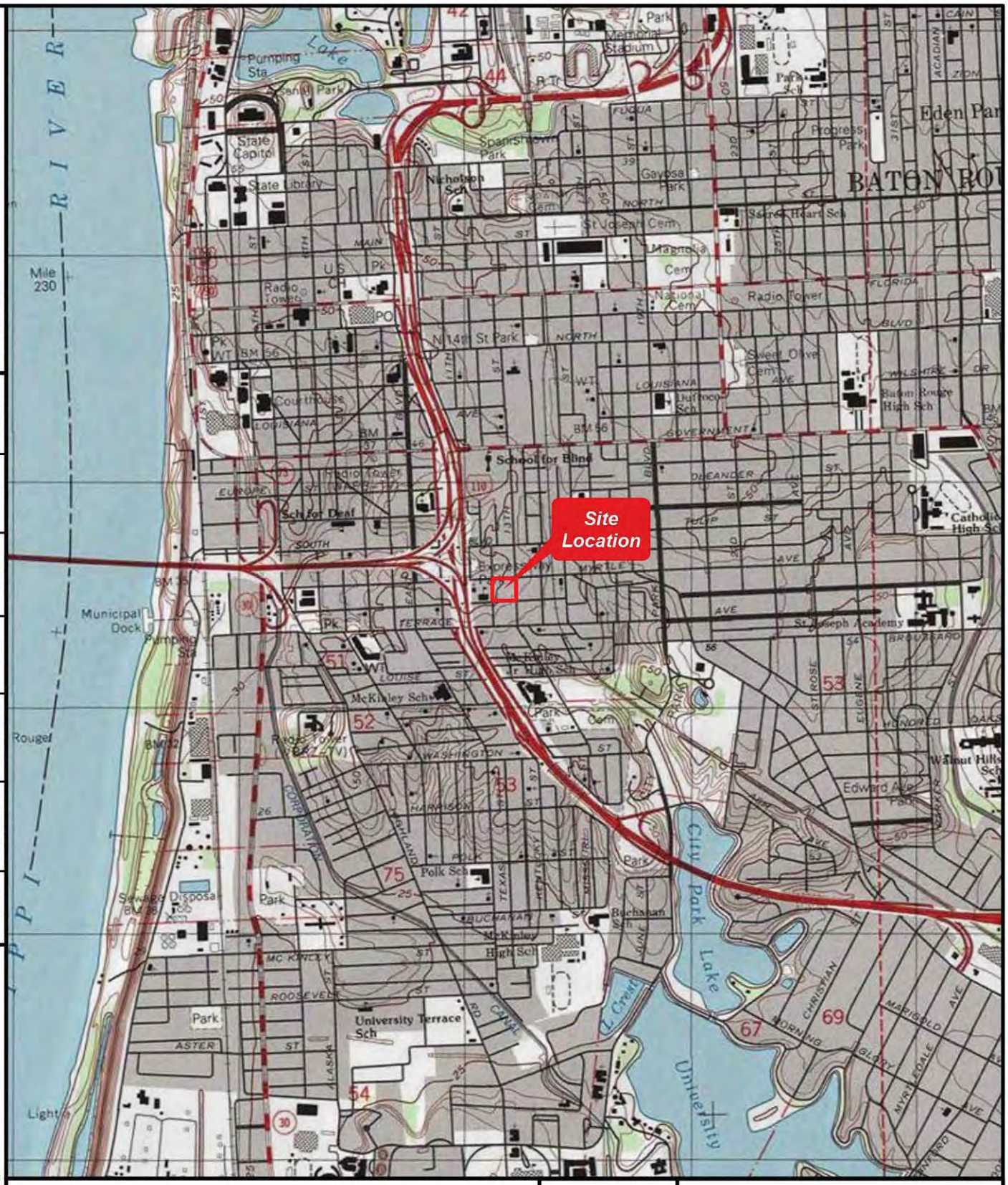
Lead in water analyzed by Furnace AAS (EPA Method 200.9)
Safe Drinking Water Act (SDWA) limit of 15 parts per billon (ppb)

TABLE 5.1
SUMMARY OF CLEAN-UP COST ESTIMATE TABLE
LINCOLN THEATER
LOUISIANA BLACK HISTORY HALL OF FAME
1305 MYRTLE WALK
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST NO. 169406

ID	Element of Cost	Comments	Estimated Quantity	Unit of Measure	Estimated Unit Price	Mob/Surcharge	Total Estimate	Percent Eligible	Eligible Cost
5.1	Removal of Asbestos Floor Tiles	Second floor corridor and barber shop	687	sq ft	$ 10	$ 500	$ 7,370	100%	$ 7,370.00
5.1.A	Replacement Flooring (Stained Concrete)	Second floor corridor and barber shop	687	sq ft	$ 4	$ -	$ 2,748	100%	$ 2,748.00
5.2.1	Demolition of Mold Impacted Walls/Wall Coverings	Assuming 299 linear feet of 10 foot walls	2,990	sq ft	$ 2	$ 500	$ 6,480	100%	$ 6,480.00
5.2.2	Replacement of Ddemolished Mold Impacted Walls/Wall Coverings (without paint)		2,990	sq ft	$ 6	$ 500	$ 18,440	100%	$ 18,440.00
5.2.3	Demolition of Mold Impacted Ceiling Materials		5,225	sq ft	$ 2	$ 500	$ 10,950	100%	$ 10,950.00
5.2.4	Replacement of Demolished of Mold Impacted Ceiling Materials in Theater/Auditorium		4,717	sq ft	$ 9	$ 500	$ 42,953	50%	$ 21,476.50
5.2.5	Replacement of Demolished of Mold Impacted Ceiling Materials in Offices and Projector Room		508	sq ft	$ 4	$ 500	$ 2,532	100%	$ 2,532.00
5.2.6	Demolition of Mold Impacted HVAC Ductwork	Inlcudes 10% addition for ductwork that connects to A/C unit (239 lf plus 10%).	263	linear feet	$ 5	$ 500	$ 1,815	100%	$ 1,814.50
5.2.7	Replacement of Demolished Mold Impacted HVAC Ductwork		263	linear feet	$ 10	$ -	$ 2,629	100%	$ 2,629.00
5.2.8	Removal of Mold Impacted Carpet in Theater Area and Offices	Disinfection of surfaces required prior to completion of work.	3,162	sq ft	$ 2	$ 500	$ 6,824	100%	$ 6,824.00
5.2.9	Replacement of Mold Impacted Carpet in Theater Area and Offices		3,162	sq ft	$ 3.33	$ 500	$ 11,040	100%	$ 11,040.00
5.2.10	Removal of Mold Impacted Theater Seat Cushions		516	Each	$ 10	$ 500	$ 5,660	100%	$ 5,660.00
5.2.11	Replacement of Mold Impacted Theater Seat Cushions		516	Each	$ 250	$ 500	$ 129,500	50%	$ 64,750.00
5.2.12	Removal of Damaged Windows and Frames	Broken windows requiring replacement to prevent water intrusion.	29	Each	$ 500	$ 2,000	$ 16,500	10%	$ 1,650.00
5.2.13	Replacement of Damaged Windows and Frames	Broken windows requiring replacement to prevent water intrusion.	29	Each	$ 1,500	$ 2,000	$ 45,500	10%	$ 4,550.00
5.2.14	Demolition of Damaged Roof	Repair of damaged roof to prevent water intrusion.	7,342	sq ft	$ 5	$ 5,000	$ 41,710	20%	$ 8,342.00
5.2.15	Replacement of Damaged Roof	Repair of damaged roof to prevent water intrusion.	7,342	sq ft	$ 11	$ -	$ 80,762	20%	$ 16,152.40
5.3	Abatement (e.g. sandblasting) of Lead Paint	Doors and door frames	120	sq ft	$ 10	$ 5,000	$ 6,200	100%	$ 6,200.00
5.4	Removal & Replacement of Lead Impacted Piping	Lump sum less cost of replacement fixtures (approx. $13,600)	1	lump sum	-	$ 30,000	$ 16,400	100%	$ 16,400.00
						Subtotal	$ 456,012.50		$ 216,008.40
						Grant Management	$ 45,601.25		$ 21,600.84
						Engineering Oversight	$ 45,601.25		$ 21,600.84
							$ 547,215.00		$ 259,210.08

FIGURES

OFFICE	DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER
BTR	D. Comeaux	07/28/11	MO	07/29/11	TH	07/29/11	ldeq_133340_0001_lcln_site_location



2,000 1,000 0 2,000
Feet

REFERENCE:
USGS 7.5 Minute Topographic Quadrangle Map
Baton Rouge West, Louisiana (2004)

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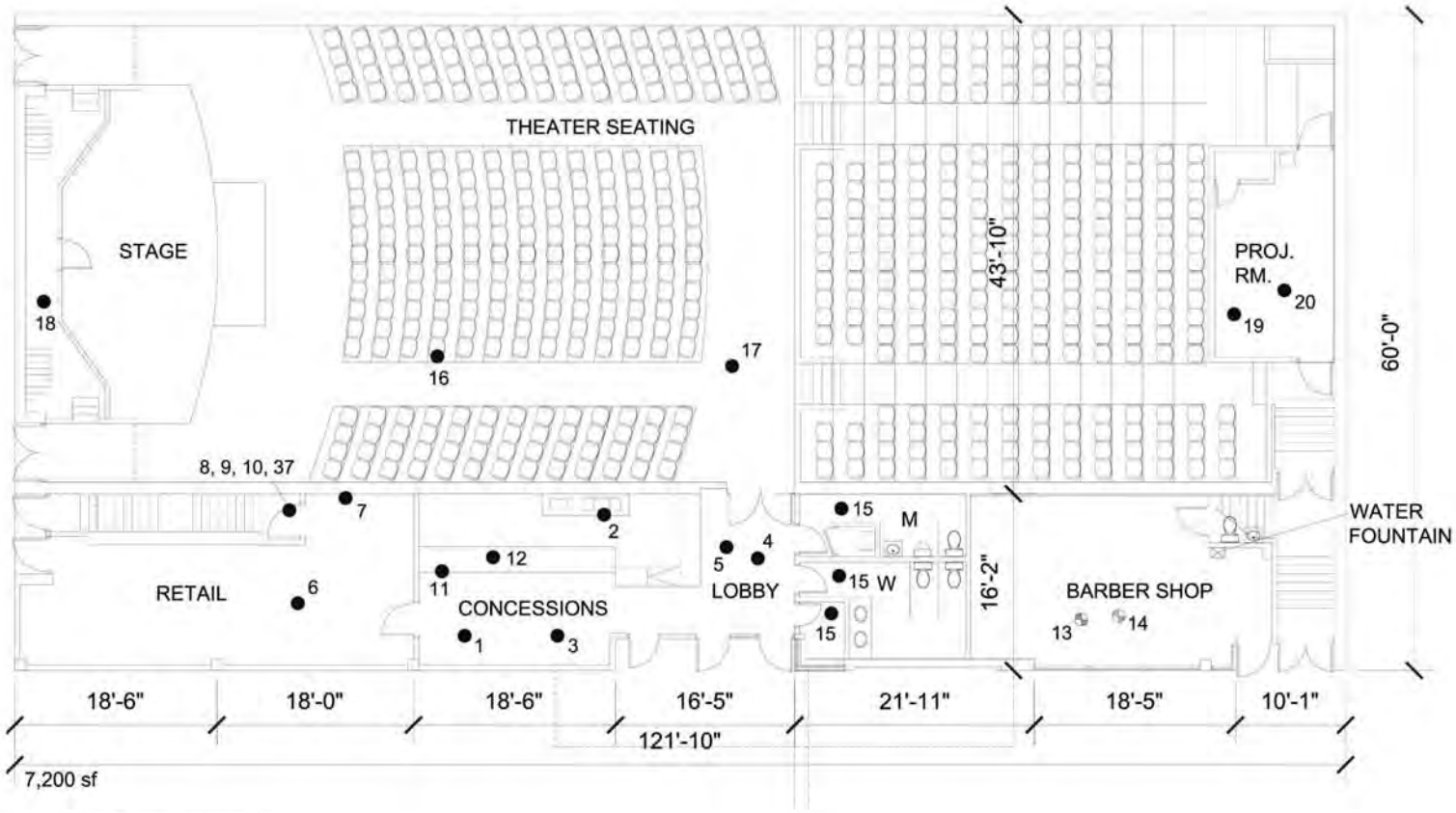
FIGURE 1.1

SITE LOCATION MAP

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

Map Document: (G:\Drafting\LDEQ\133340\ArcView\GIS_Documents\Project_Maps\MXD\OSBR\ldeq_133340_0001_osbr_site_location.mxd) 2/26/2010 -- 8:29:12 AM



2 FIRST FLOOR PLAN

LEGEND

- ● Sample Location Not Asbestos Containing
- Sample Location Asbestos Containing

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FIGURE 2.1

ASBESTOS SAMPLE LOCATION - MAP A

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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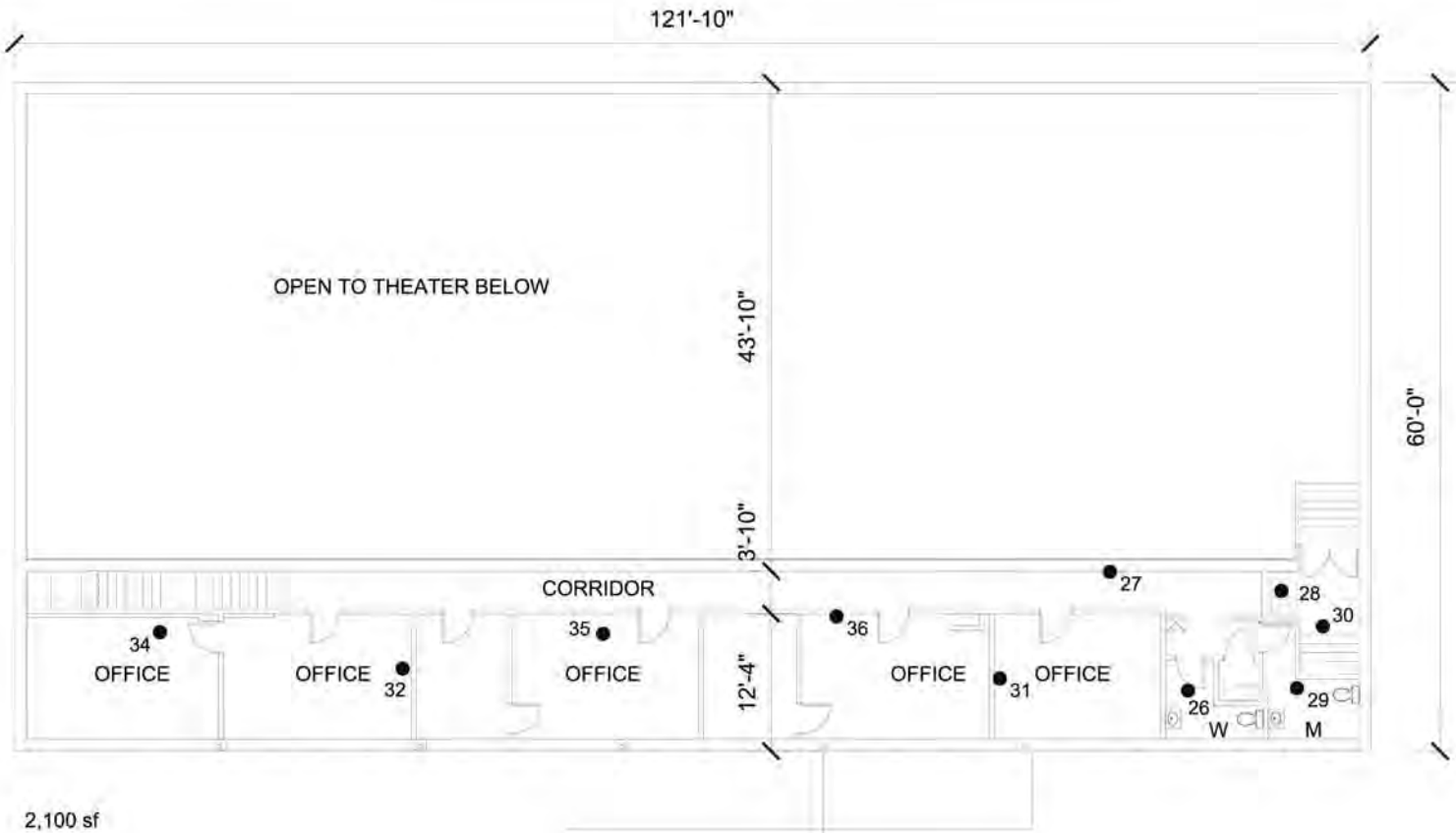

3 SECOND FLOOR PLAN

LEGEND

- ● Sample Location Not Asbestos Containing
- Sample Location Asbestos Containing

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FIGURE 2.2

ASBESTOS SAMPLE LOCATION - MAP B

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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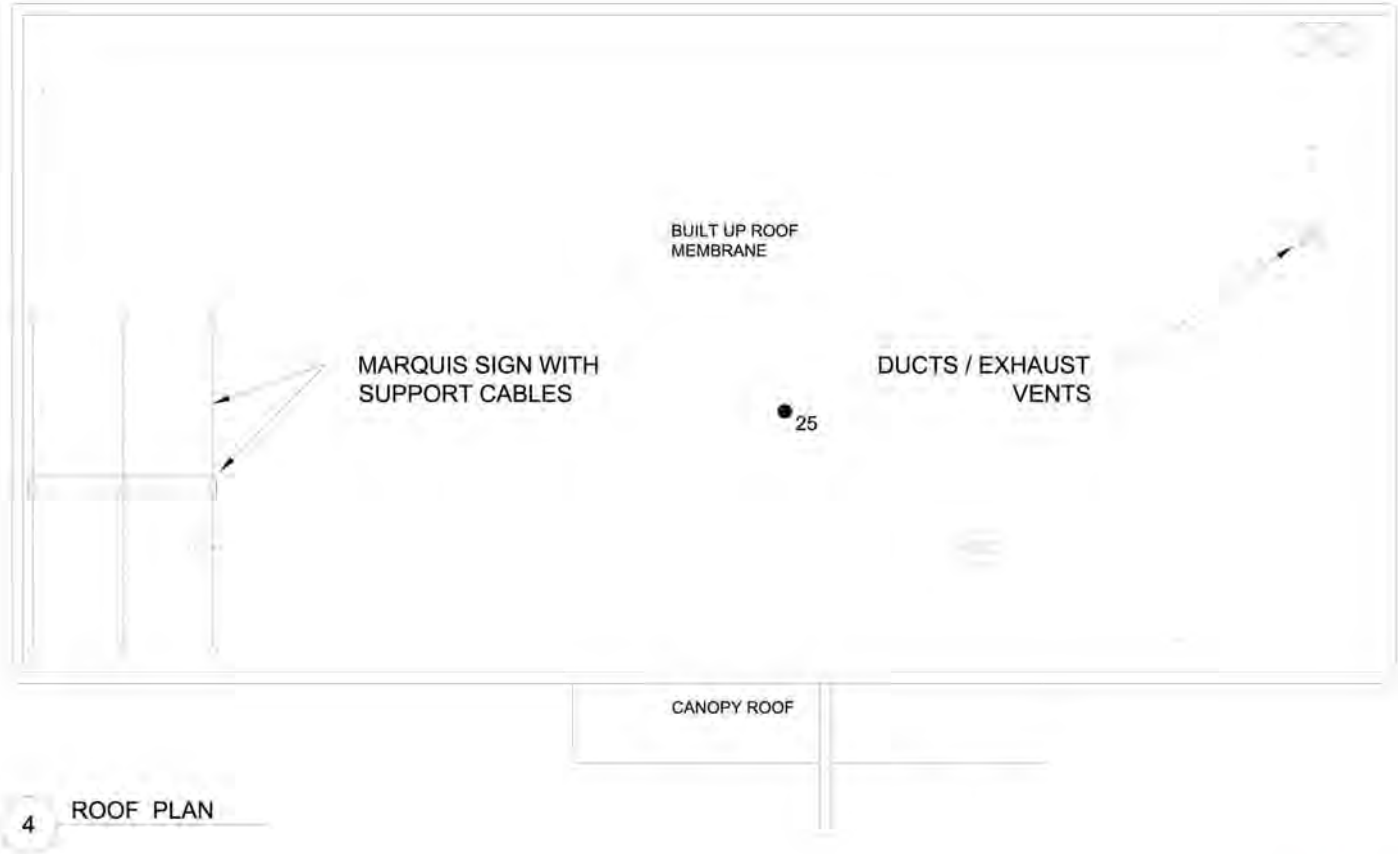

LEGEND

- ● Sample Location Not Asbestos Containing
- Sample Location Asbestos Containing

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OF ENVIRONMENTAL
QUALITY

FIGURE 2.3

ASBESTOS SAMPLE LOCATION - MAP C

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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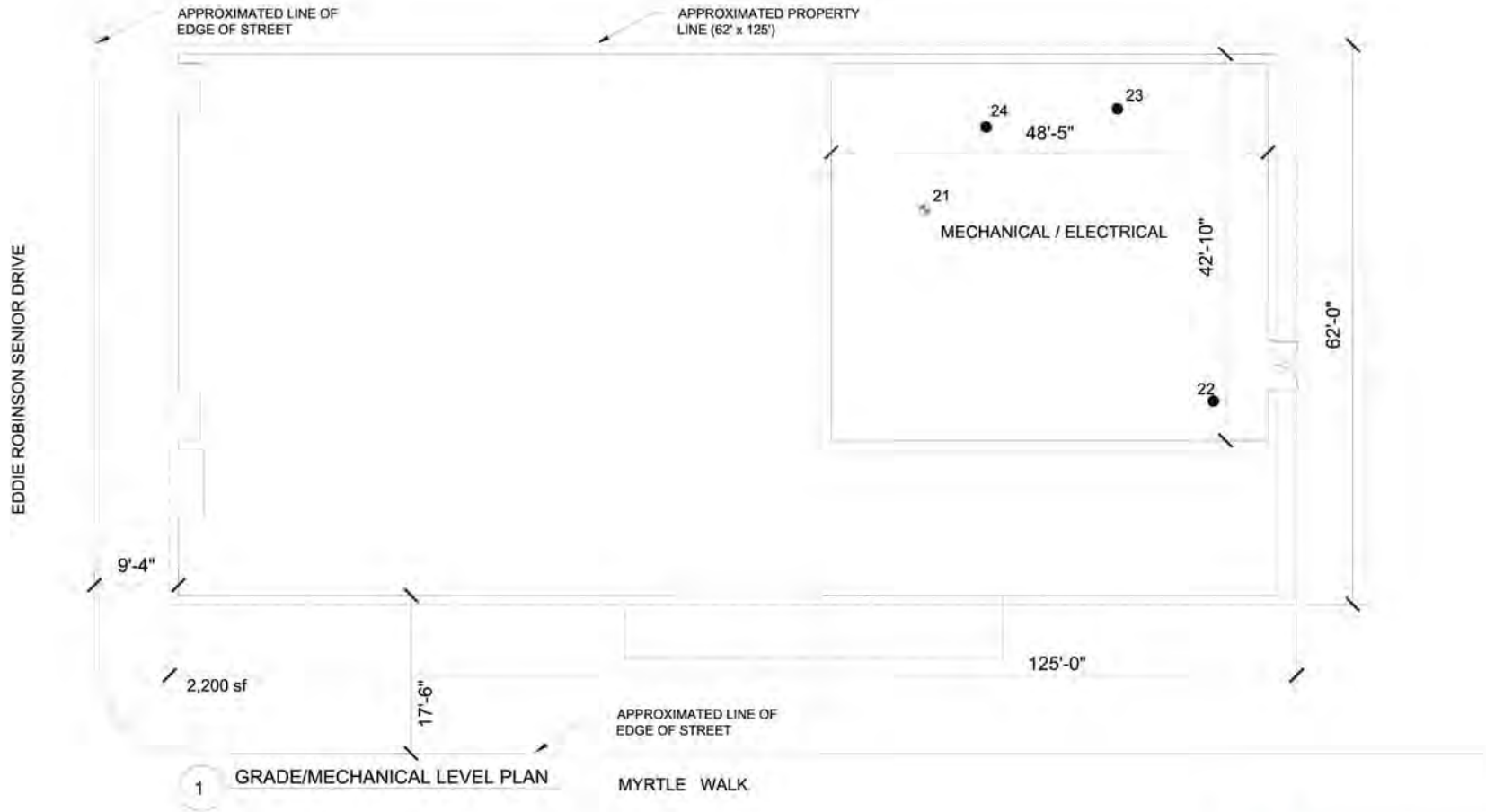

LEGEND

- ● Sample Location Not Asbestos Containing
- Sample Location Asbestos Containing

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FIGURE 2.4

ASBESTOS SAMPLE LOCATION - MAP D

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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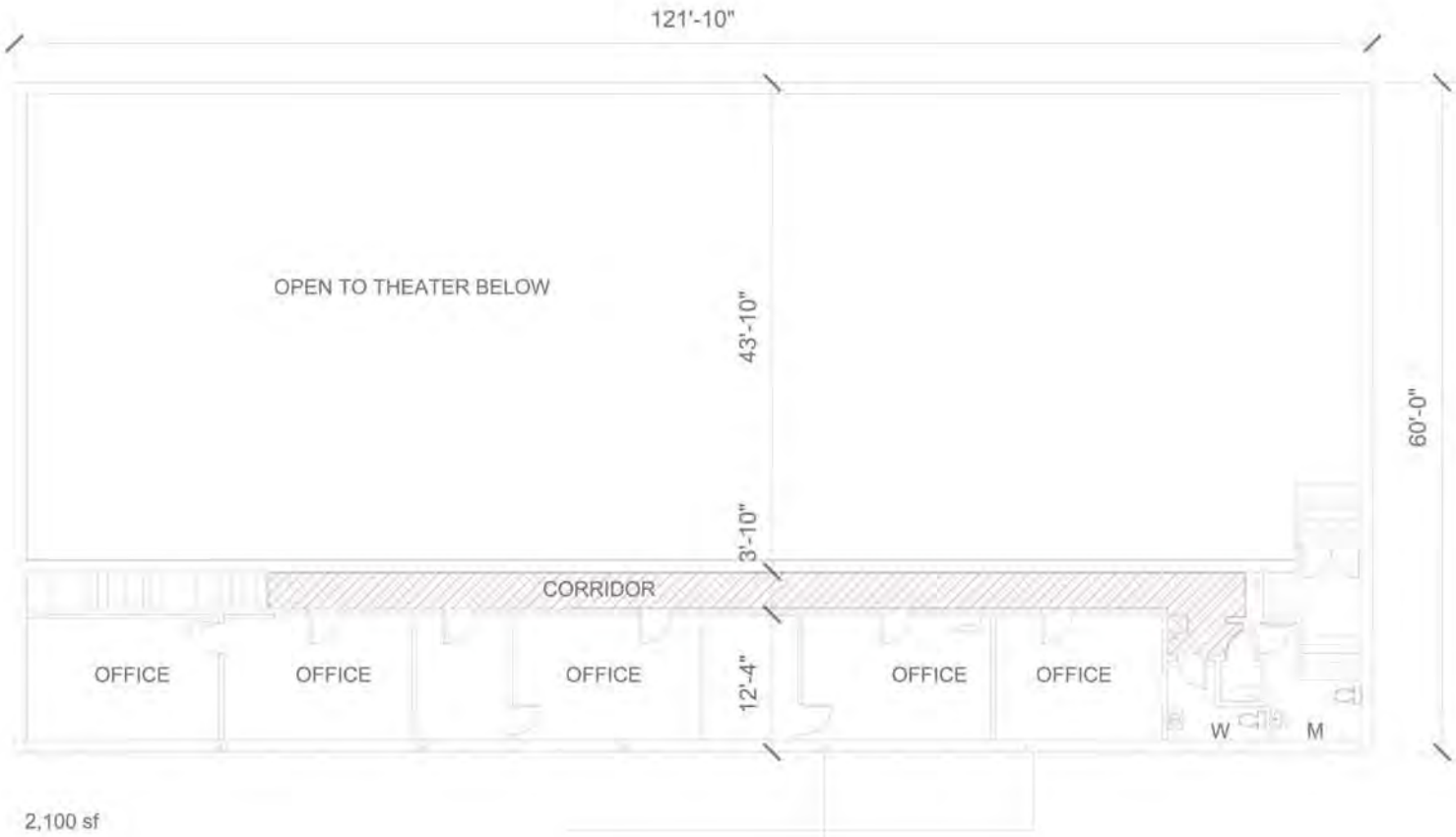


3 SECOND FLOOR PLAN

LEGEND

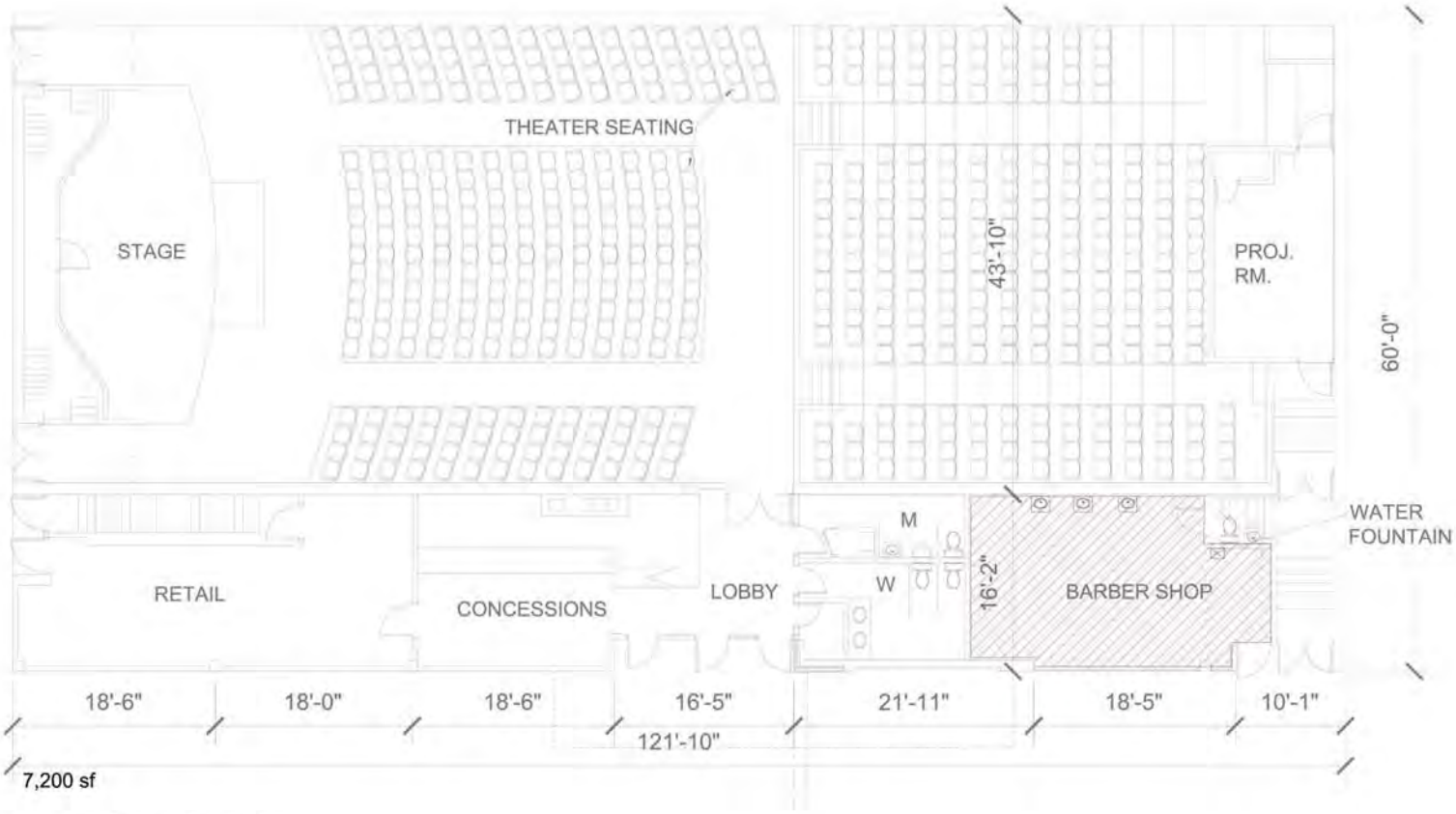
Floor tile and mastic confirmed ACM presence

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 3.1
LIMITED ASBESTOS SURVEY
CONFIRMED ACM MAP

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B08



2 FIRST FLOOR PLAN

LEGEND

Black and white asbestos containing floor tile

NOTE: The asbestos containing water pipe insulation is not shown due to its out of the way location.

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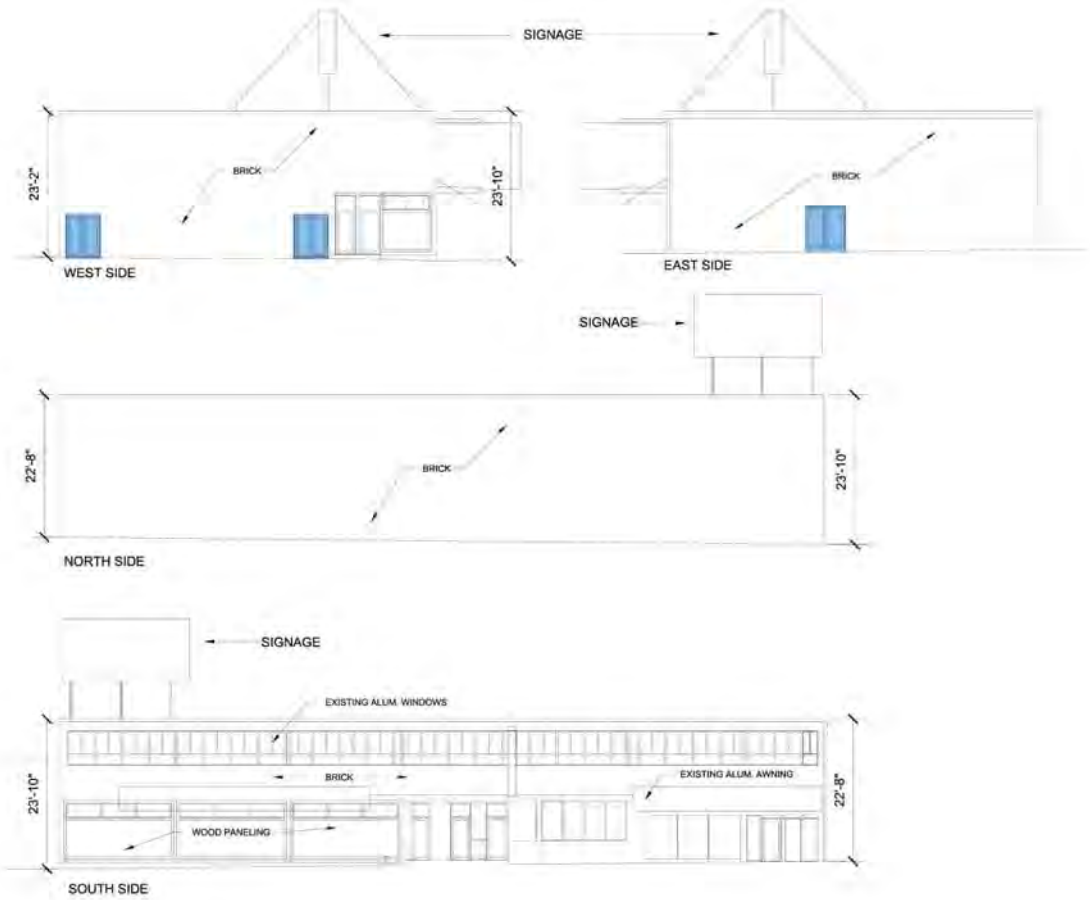
FIGURE 3.2
EXPANDED ASBESTOS SURVEY
CONFIRMED ACM MAP
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B11



LEGEND

Doors and frames coated with lead based paint

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

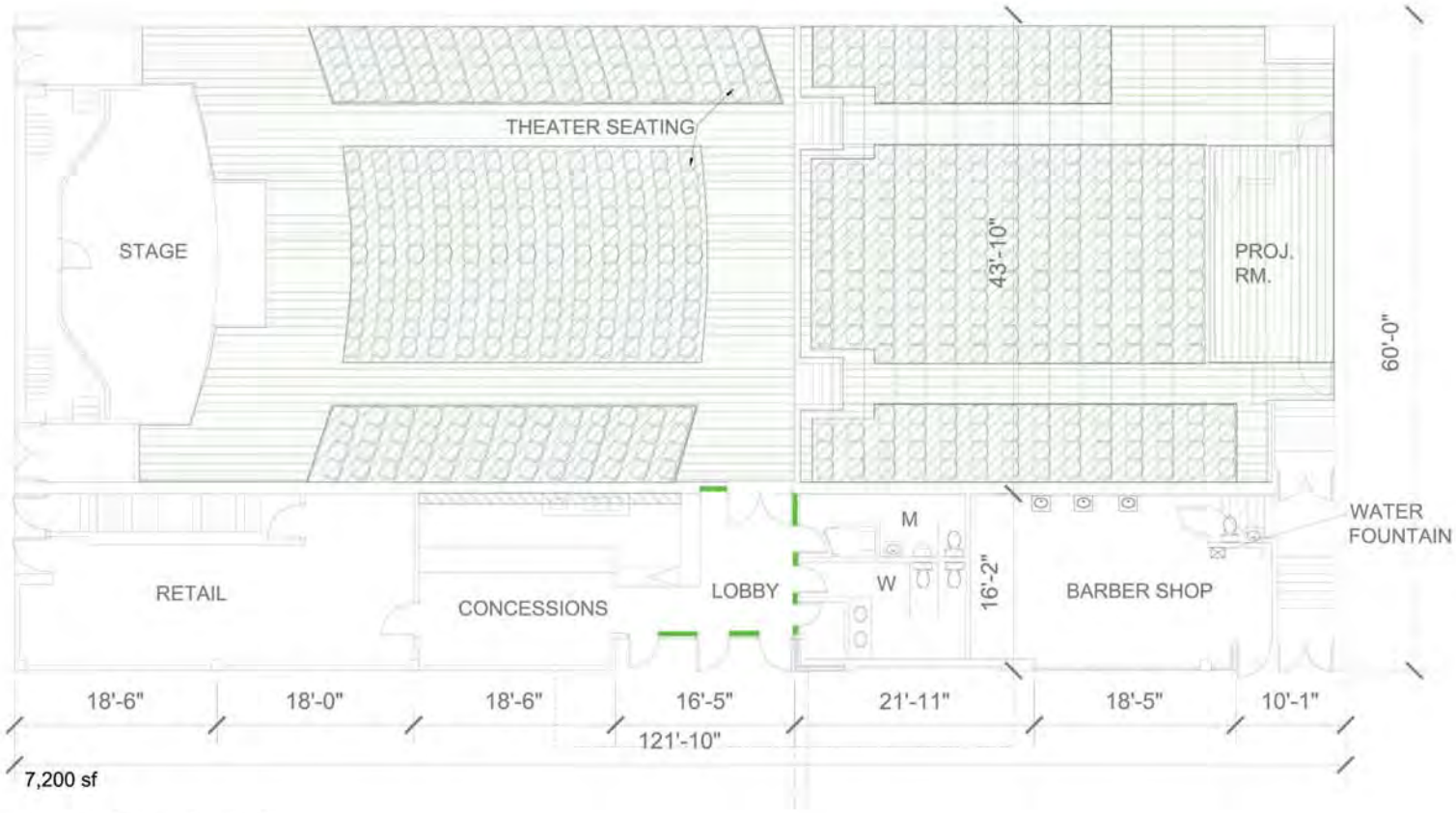
FIGURE 3.3

LEAD PAINT LOCATIONS

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B18

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B06



2 FIRST FLOOR PLAN

LEGEND

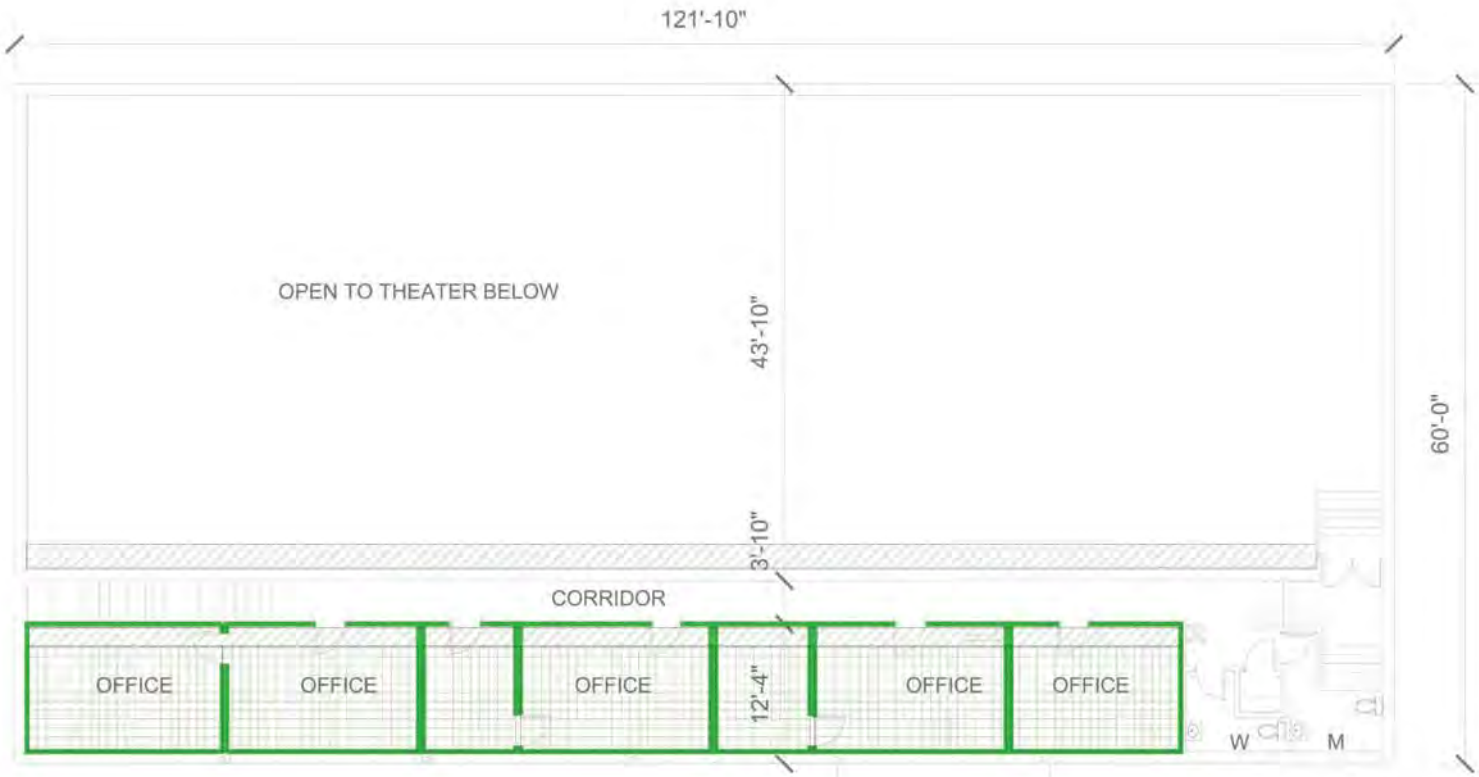
- Visually confirmed microbial growth in carpeting
- Visually confirmed microbial growth in seat cushions
- Visually confirmed microbial growth in sheetrock and suspended ceiling tiles
- Visually confirmed microbial growth in HVAC ductwork
- Visually confirmed microbial growth behind wall coverings

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 3.4
VISUALLY CONFIRMED MICROBIAL GROWTH LOCATION - MAP A

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA



2,100 sf

3 SECOND FLOOR PLAN

LEGEND

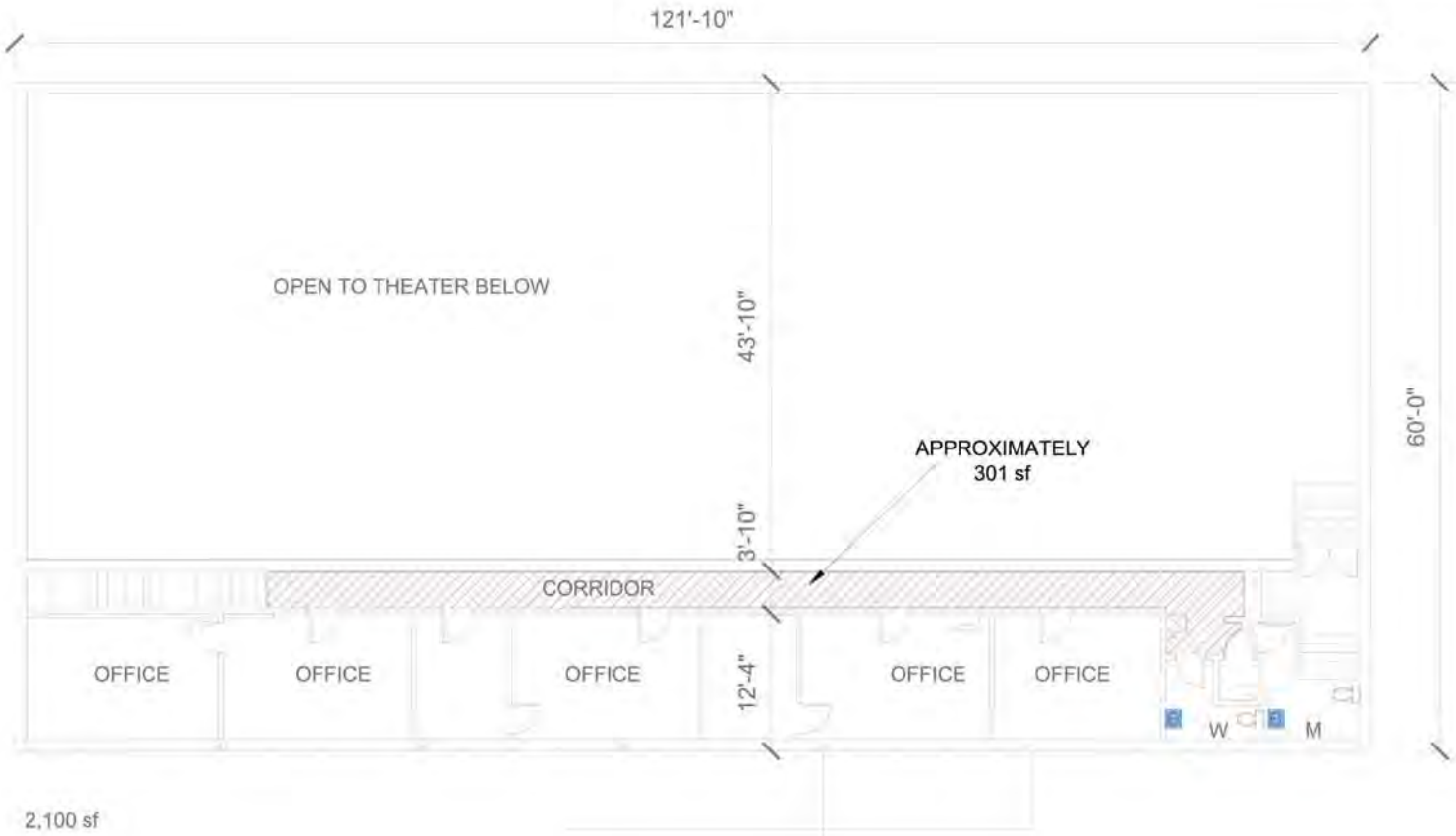
- Visually confirmed microbial growth in HVAC ductwork
- Visually confirmed microbial growth behind wall coverings
- Visually confirmed microbial growth on suspended ceiling tiles & carpeting

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 3.5
VISUALLY CONFIRMED MICROBIAL GROWTH LOCATION - MAP B
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B07



3 SECOND FLOOR PLAN

LEGEND

Floor tile and mastic confirmed ACM presence

Water dispensing fixtures with lead

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.1
AREAS REQUIRING REMEDIAL ACTIVITIES
MAP A

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B12

2 FIRST FLOOR PLAN

LEGEND

Black and white asbestos containing floor tile

Water dispensing fixtures with lead

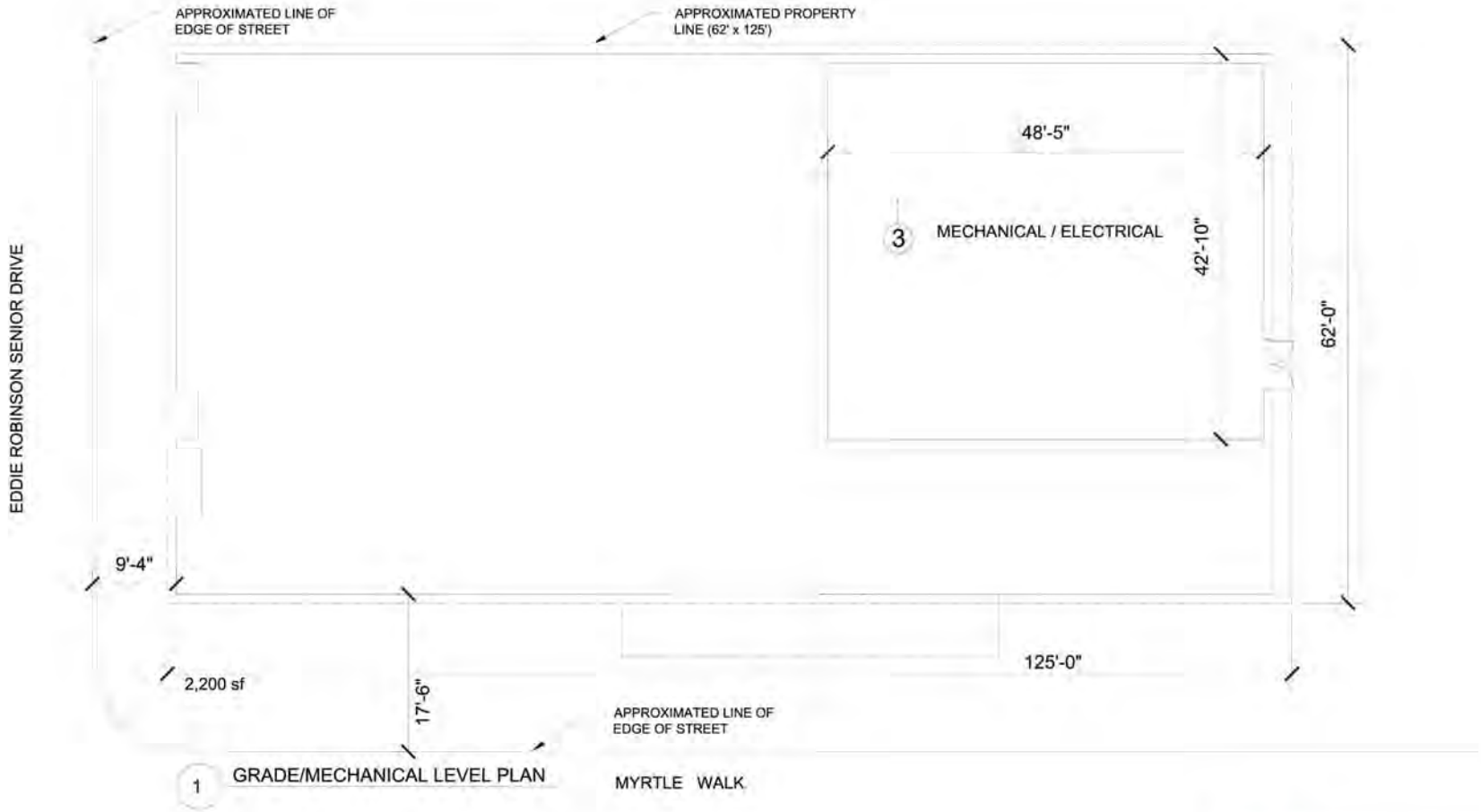
1 Remedial action item photo, location, and orientation
(Photos DSC01627, DSC01628, DSC01629, & DSC01630 included in Appendix E)

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.2
AREAS REQUIRING REMEDIAL ACTIVITIES
MAP B
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B13



LEGEND

3 Remeidal action item photo location & orientation
(Photos DSC01648 & DSC01649 included in Appendix E)

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.3
AREAS REQUIRING REMEDIAL ACTIVITIES
MAP C

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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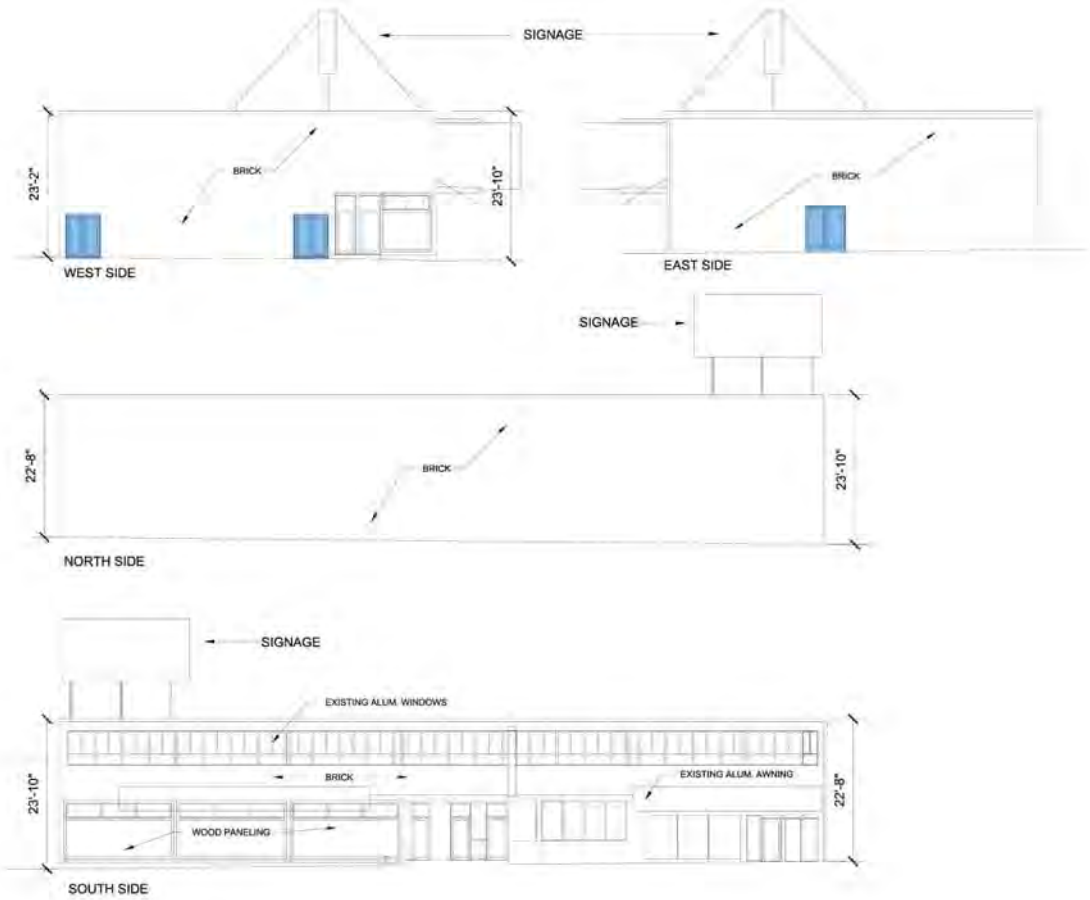


LEGEND

Doors and frames coated with lead based paint

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.4

AREAS REQUIRING REMEDIAL ACTIVITIES MAP D

CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B14

LEGEND

Broken windows and window frames

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.5
COMPROMISED BUILDING SYSTEMS ALLOWING MOISTURE INTRUSION
MAP A
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE | X-REF | OFFICE BTR | DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER 133340_B09

4 ROOF PLAN

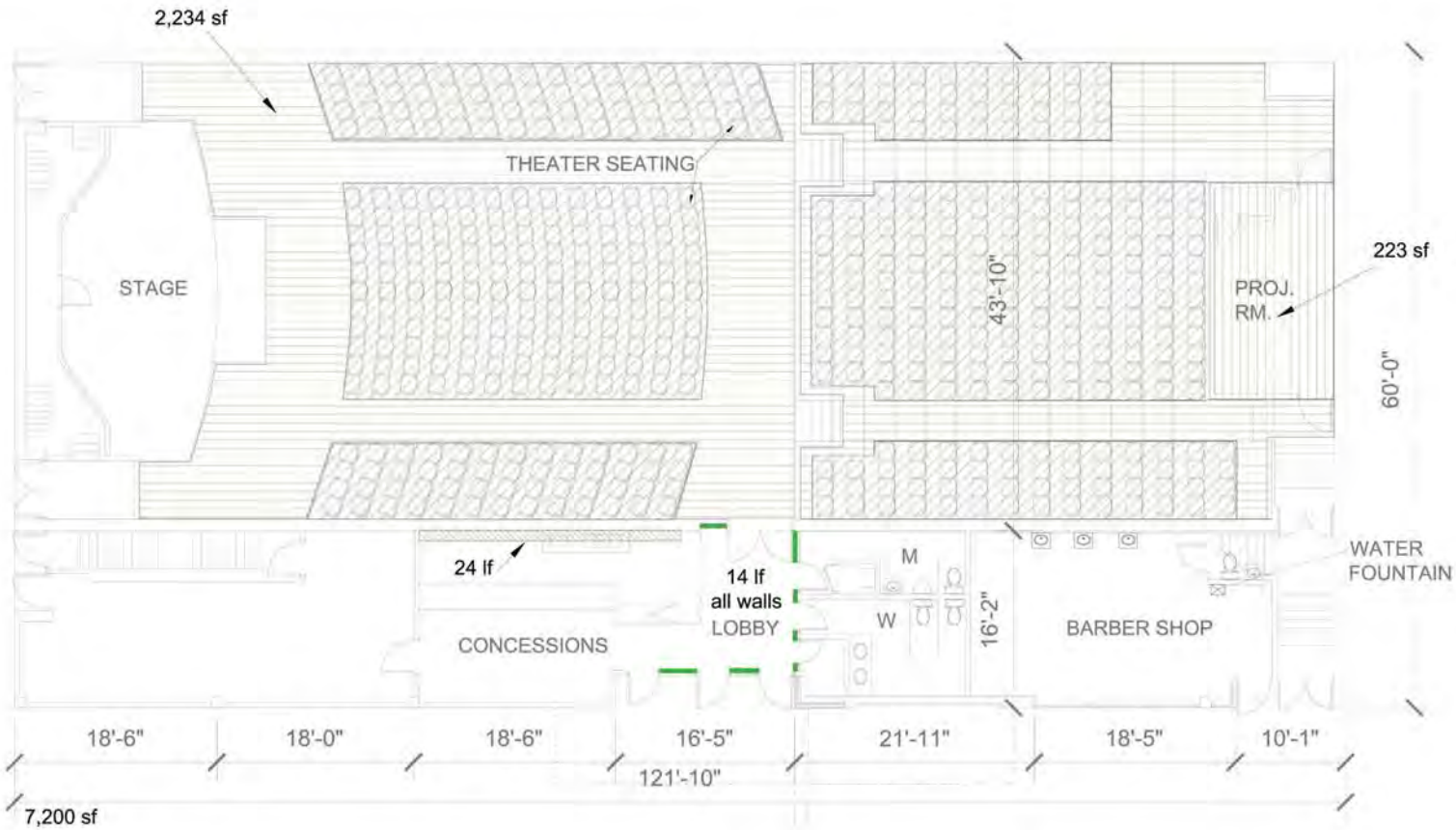
LEGEND

Compromised roofing surface

LOUISIANA DEPARTMENT
OF ENVIRONMENTAL
QUALITY

FIGURE 4.6
COMPROMISED BUILDING SYSTEMS
ALLOWING MOISTURE INTRUSION
MAP B
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B10



2 FIRST FLOOR PLAN

NOTE:
sf - square feet
lf - linear feet

LEGEND

- Visually confirmed microbial growth in carpeting
- Visually confirmed microbial growth in seat cushions
- Visually confirmed microbial growth in sheetrock and suspended ceiling tiles
- Visually confirmed microbial growth in HVAC ductwork
- Visually confirmed microbial growth behind wall coverings

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.7
MICROBIAL GROWTH LOCATIONS REQUIRING REMEDIATION - MAP A
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B16

3 SECOND FLOOR PLAN

NOTE:
sf - square feet
lf - linear feet

LEGEND

- Visually confirmed microbial growth in HVAC ductwork
- Visually confirmed microbial growth behind wall coverings
- Visually confirmed microbial growth on Theater ceiling
- Visually confirmed microbial growth on suspended ceiling tiles and carpeting

Shaw

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

FIGURE 4.8
MICROBIAL GROWTH LOCATIONS REQUIRING REMEDIATION - MAP B
CONCEPTUAL CLEAN-UP STRATEGY
LINCOLN THEATER - LA BLACK HISTORY HALL OF FAME
BATON ROUGE, LOUISIANA

IMAGE	X-REF	OFFICE BTR	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
						133340_B17

APPENDIX A
Limited Asbestos Survey
CA Labs, L.L.C. Analytical Report

SURVEY DATA SHEET

ADVANCED ENVIRONMENTAL CONSULTING

P. O. BOX 82905
Baton Rouge, LA 70884
225-753-4031 Fax 225-753-4033
gjohnson@advenvir.com
www.advenvir.com

Date: 2/9/09

Job #: 09-041

Client: QUANTINAM

Building/Area: LINCOLN THEATER

Page: 1 of 1

Technician: GLJ

Type of Survey: ASB/CDP

Project Location:

Sample	Description	Location	Quantity
1	12" FT	STAGE 30	18
2	FT ON STAGE UNDER #1	STAGE	
3	ACOUSTICAL TEXTURE ON WALLS/CEILING AUDITORIUM		
4	9" FT TILE	2ND FLOOR OFFICES	UPSTAIRS

FT – floor tile CT – ceiling tile PI – pipe insulation SA – spray applied M – mastic GYP – gypsum T – transite R – roofing SF – square feet LF – linear feet

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr., Suite 301
Carrollton, TX 75006
PH: (972) 488-1414
Fax: (972) 488-8006

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
PH: (225) 751-5632
Fax: (225) 751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Glen Johnson
Advanced Environmental Consulting,LLC
P.O. Box 82905
Baton Rouge, LA 70884

Phone # 225-753-4031
Fax # 225-753-4033

Customer Project:
Lincoln Theater
09-041

Turnaround Time: 3 day

CA Labs Project #:
CBR0902265

Date: 2/16/2009
Samples Received: 02/10/09

Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1	*black floor tile*	Y	***None Detected***		100% bi,qu,ca
1		2	*tan mastic*	Y	***None Detected***	10% ca	90% qu,bi
2		1	*gray/ black tile material*	N	***None Detected***		100% qu,bi,ca
3		1	*gray fire proofing*	Y	***None Detected***	30% ce 10% sy	60% bi
4		1	*tan floor tile*	Y	***3% Chrysotile***		97% wo,ca
4		2	*black mastic*	Y	***4% Chrysotile***		96% ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastonite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - Kaolin (clay)
pa - palygorskite (clay)

Approved Signatories:

Andrew Linton
Analyst

Laboratory Director
Cody Newton

Senior Analyst
Andrew Linton

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages affecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr., Suite 301
Carrollton, TX 75006
PH: (972) 488-1414
Fax: (972) 488-8006

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
PH: (225) 751-5632
Fax: (225) 751-5634

Summary of Project Sample Material Containing Asbestos

CA Labs Project #: CBR0902265

Sample #	Layer #	Analysis Physical Description of Subsample	Asbestos type / calibrated visual estimate percent
4	1	*tan floor tile*	***3% Chrysotile***
4	2	*black mastic*	***4% Chrysotile***

Baton Rouge NVLAP Lab Code 200772-0 TEM/PLM *TDH 30-0370*
LDEQ

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot -other
pa - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
Sy - synthetic
ce - cellulose
br - brucite
ka - Kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

AEC

Advanced Environmental Consulting, L. L. C.
Chain of Custody Record
www.advenvir.com

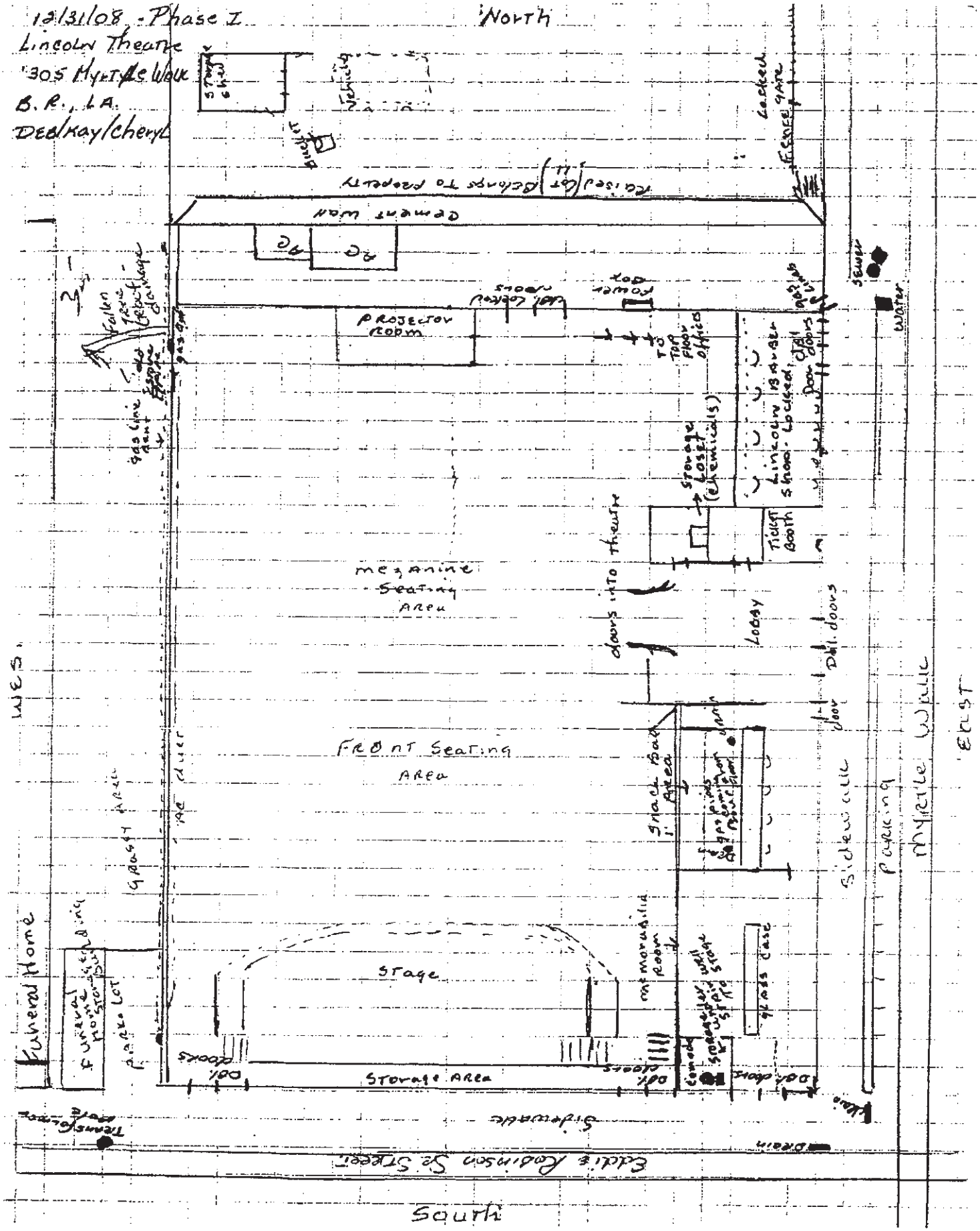
P. O. Box 82905,, Baton Rouge, LA 70884
225-753-4031 Fax 225-753-4033

Laboratory Samples Submitted To: CA LABS		By: Advanced Environmental Consulting, LLC	
Report Results To: 225-753-4033	Turnaround Time Requested: 3 Day	Project Name LINCOLN [illegible]	Project No. 09-041

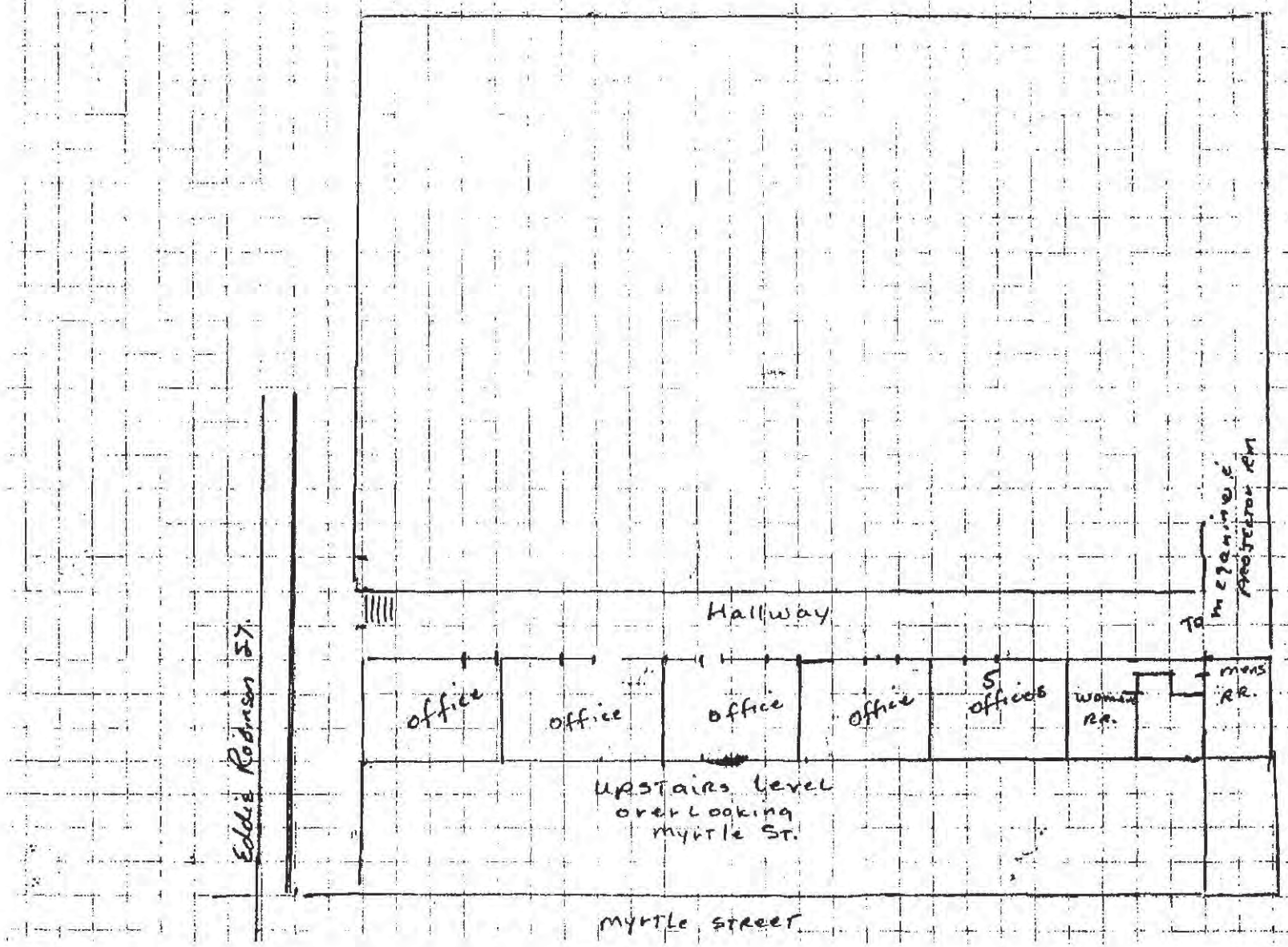
Sample No.	Date	Sample Type (bulk, air, water, etc)	Test(s) (pcm, plm, tem, etc.)	Remarks
1	2/9/09	BULK	PCM	
2				
3				
4				

Advanced Environmental Consulting, L. L. C.	Relinquished By:	Date 2/10/09 Time 14:30	Received By:	Date Time	Intact

12/31/08 - Phase I
Lincoln Theatre
305 Myrtle Walk
B.R., LA.
DEE/Kay/Cheryl



2nd Floor Layout



APPENDIX B
Expanded Asbestos Survey
EMSL Analytical Report

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 02/09/09 11:11

INSPECTION FOR: Adv. Environmental Consulting LLC
PO Box 82906
Baton Rouge,
Louisiana 70884

PERFORMED AT: Old Lincoln Theatre
Baton Rouge, Louisiana
70802

INSPECTION DATE: 02/09/09

INSTRUMENT TYPE: R M D

MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1387

ACTION LEVEL: 1.0 mg/cm2

OPERATOR LICENSE: Pb09RA00088

As of 02/09/09,

Yes. Lead based paint was found on this building, but they do not cause a lead hazard in the condition they are in at testing.

SIGNED: Lanny J. Herring Date: 02/09/09

Lanny J. Herring
4001 South Dr.
New Iberia,
Louisiana
70563

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Inspection Date:	02/09/09	Old Lincoln Theatre
Report Date:	2/10/2009	1305 Myrtle Walk
Abatement Level:	1.0	Baton Rouge,
Report No.	02/09/09 11:11	Louisiana 70802
Total Readings:	62 Actionable: 4	
Job Started:	02/09/09 11:11	
Job Finished:	02/09/09 13:19	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Bldg 1									
007	A	Door	Rgt	Door Face	I	Metal	White	1.1	QM
008	A	Door	Rgt	Lft casing	I	Metal	White	1.1	QM
018	B	Door	Rgt	Rgt casing	I	Wood	White	2.3	QM
Interior Room 001 Entry									
027	B	Door	Rgt	Lft casing	I	Wood	White	1.1	QM
Calibration Readings									

---- End of Readings ----

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Inspection Date:	02/09/09	Old Lincold Theatre
Report Date:	2/10/2009	1305 Myrtle Walk
Abatement Level:	1.0	Baton Rouge,
Report No.	02/09/09 11:11	Louisiana 70802
Total Readings:	62	
Job Started:	02/09/09 11:11	
Job Finished:	02/09/09 13:19	

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
1		CALIBRATION								0.9	TC
2		CALIBRATION								0.9	TC
3		CALIBRATION								1.1	TC
4	001	Bldg 1	A	Wall	Rgt		I	N/A	N/A	-0.1	QM
5	001	Bldg 1	A	Wall	Rgt		I	Brick	Red	0.0	QM
6	001	Bldg 1	A	Wall	Rgt		I	Brick	White	-0.1	QM
7	001	Bldg 1	A	Door	Rgt	Door Face	I	Metal	White	1.1	QM
8	001	Bldg 1	A	Door	Rgt	Lft casing	I	Metal	White	1.1	QM
9	001	Bldg 1	A	Wall	Ctr	Panel	I	Wood	White	-0.1	QM
10	001	Bldg 1	A	Wall	Ctr	Panel Trim	I	Wood	White	-0.2	QM
11	001	Bldg 1	A	Wall	Ctr	GUTTER	I	Wood	Tan	-0.1	QM
12	001	Bldg 1	A	Wall	Ctr	GUTTER	I	Wood	White	0.0	QM
13	001	Bldg 1	B	Wall	Rgt	NA	I	Brick	Tan	-0.1	QM
14	001	Bldg 1	B	Wall	Rgt	Panel	I	Wood	Tan	0.0	QM
15	001	Bldg 1	B	Wall	Rgt	Panel Trim	I	Wood	White	-0.1	QM
16	001	Bldg 1	B	Door	Rgt	Door Face	I	Wood	White	0.1	QM
17	001	Bldg 1	B	Door	Rgt	Lft casing	I	Wood	White	0.1	QM
18	001	Bldg 1	B	Door	Rgt	Rgt casing	I	Wood	White	2.3	QM
19	001	Bldg 1	C	Wall	Rgt		I	Brick	White	-0.4	QM
20	001	Bldg 1	D	Wall	Rgt		I	Brick	Tan	0.2	QM
21	001	Bldg 1	D	Wall	Rgt	Gutter	I	Metal	Tan	-0.1	QM
22	001	Entry	A	Wall	Ctr		I	Drywall	White	0.0	QM
23	001	Entry	B	Wall	Ctr		I	Drywall	Tan	0.1	QM
24	001	Entry	A	Ceiling			I	Dry wall	White	0.0	QM
25	001	Entry	A	Baseboard	Ctr		I	Wood	White	0.1	QM
26	001	Entry	B	Door Face	Rgt		I	Wood	White	0.0	QM
27	001	Entry	B	Door	Rgt	Lft casing	I	Wood	White	1.1	QM
28	002	Snack Bar	A	Ceiling			I	Drywall	White	-0.1	QM
29	002	Snack Bar	A	Baseboard	Ctr		I	Wood	White	-0.1	QM
30	002	Snack Bar	A	Wall	Ctr		I	Drywall	Red	-0.1	QM
31	002	Snack Bar	B	Wall	Ctr		I	Drywall	Red	-0.1	QM
32	002	Snack Bar	C	Wall	Ctr		I	Stucco	Red	0.1	QM
33	002	Snack Bar	A	Counter Shf	Ctr		I	Wood	White	0.2	QM
34	002	Snack Bar	D	Counter Shf	Ctr		I	Wood	White	-0.1	QM
35	002	Snack Bar	D	Trim	Ctr		I	Wood	Red	-0.2	QM
36	003	Mens Bath	B	Wall	Ctr		I	Stucco	White	0.0	QM
37	003	Mens Bath	C	Wall	Ctr		I	Stucco	White	0.4	QM
38	003	Mens Bath	A	AC Vents	Rgt		I	Metal	White	0.0	QM
39	004	Barber Shop	A	Ceiling	Ctr		I	Dry wall	White	-0.3	QM
40	004	Barber Shop	A	Wall	Ctr		I	Stucco	White	-0.1	QM
41	004	Barber Shop	B	Wall	Ctr		I	Stucco	White	-0.1	QM
42	004	Barber Shop	C	Wall	Ctr		I	Stucco	White	0.2	QM
43	004	Barber Shop	D	Wall	Ctr		I	Stucco	White	0.2	QM
44	004	Barber Shop	A	Wall	Ctr		I	Stucco	White	-0.1	QM
45	004	Barber Shop	A	Door Face	Ctr		I	Wood	Black	0.4	QM
46	004	Barber Shop	A	Door	Ctr	Lft casing	I	Wood	black	0.0	QM
47	004	Barber Shop	A	Door Face	Ctr		I	Wood	black	0.5	QM

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
48	004	Barber Shop	A	Door	Lft	Lft casing	I	Wood	black	0.6	QM
49	005	Ladies Bath	A	Window	Lft	Lft Casing	P	Stucco	White	0.3	QM
50	006	Office 5	A	Window	Lft	Lft Casing	P	Stucco	White	-0.1	QM
51	007	THEATER	C	Window	Ctr	Lft Casing	P	Stucco	White	-0.1	QM
52	008	THEATER	A	Wall	Ctr		I	Stucco	White	0.2	QM
53	008	THEATER	A	Wall	Ctr		I	Stucco	Red	0.6	QM
54	008	THEATER	B	Wall	Ctr		I	Stucco	White	0.2	QM
55	008	THEATER	B	Wall	Ctr		I	Stucco	Red	0.1	QM
56	008	THEATER	C	Door	Lft	Door Faces	I	Metal	White	0.6	QM
57	009	THEATER	C	Door	Lft	Lft casing	I	Wood	White	0.5	QM
58	008	THEATER	C	Door	Rgt	Door Faces	I	Metal	White	0.7	QM
59	008	THEATER	C	Door	Rgt	Lft casing	I	Wood	White	0.6	QM
60		CALIBRATION								1.1	TC
61		CALIBRATION								1.1	TC
62		CALIBRATION								1.1	TC

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Inspection Date:	02/09/09	Old Lincold Theatre
Report Date:	2/10/2009	1305 Myrtle Walk
Abatement Level:	1.0	Baton Rouge,
Report No.	02/09/09 11:11	Louisiana 70802
Total Readings:	62	
Job Started:	02/09/09 11:11	
Job Finished:	02/09/09 13:19	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Bldg 1									
009	A	Wall	Ctr	Panel	I	Wood	White	-0.1	QM
010	A	Wall	Ctr	Panel Trlm	I	Wood	White	-0.2	QM
011	A	Wall	Ctr	GUTTER	I	Wood	Tan	-0.1	QM
012	A	Wall	Ctr	GUTTER	I	Wood	White	0.0	QM
005	A	Wall	Rgt		I	Brick	Red	0.0	QM
006	A	Wall	Rgt		I	Brick	White	-0.1	QM
007	A	Door	Rgt	Door Face	I	Metal	White	1.1	QM
008	A	Door	Rgt	Lft casing	I	Metal	White	1.1	QM
004	A	Wall	Rgt		I	N/A	N/A	-0.1	QM
013	B	Wall	Rgt	NA	I	Brick	Tan	-0.1	QM
014	B	Wall	Rgt	Panel	I	Wood	Tan	0.0	QM
015	B	Wall	Rgt	Panel Trlm	I	Wood	White	-0.1	QM
016	B	Door	Rgt	Door Face	I	Wood	White	0.1	QM
018	B	Door	Rgt	Rgt casing	I	Wood	White	2.3	QM
017	B	Door	Rgt	Lft casing	I	Wood	White	0.1	QM
019	C	Wall	Rgt		I	Brick	White	-0.4	QM
020	D	Wall	Rgt		I	Brick	Tan	0.2	QM
021	D	Wall	Rgt	Gutter	I	Metal	Tan	-0.1	QM
Interior Room 001 Entry									
024	A	Ceiling			I	Dry wall	White	0.0	QM
022	A	Wall	Ctr		I	Drywall	White	0.0	QM
025	A	Baseboard	Ctr		I	Wood	White	0.1	QM
027	B	Door	Rgt	Lft casing	I	Wood	White	1.1	QM
023	B	Wall	Ctr		I	Drywall	Tan	0.1	QM
026	B	Door Face	Rgt		I	Wood	White	0.0	QM
Interior Room 002 Snack Bar									
028	A	Ceiling			I	Drywall	White	-0.1	QM
029	A	Baseboard	Ctr		I	Wood	White	-0.1	QM
030	A	Wall	Ctr		I	Drywall	Red	-0.1	QM
033	A	Counter Shf	Ctr		I	Wood	White	0.2	QM
031	B	Wall	Ctr		I	Drywall	Red	-0.1	QM
032	C	Wall	Ctr		I	Stucco	Red	0.1	QM
034	D	Counter Shf	Ctr		I	Wood	White	-0.1	QM
035	D	Trim	Ctr		I	Wood	Red	-0.2	QM
Interior Room 003 Mens Bath									
038	A	AC Vents	Rgt		I	Metal	White	0.0	QM
036	B	Wall	Ctr		I	Stucco	White	0.0	QM
037	C	Wall	Ctr		I	Stucco	White	0.4	QM
Interior Room 004 Barber Shop									
048	A	Door	Lft	Lft casing	I	Wood	black	0.6	QM
046	A	Door	Ctr	Lft casing	I	Wood	black	0.0	QM
039	A	Ceiling	Ctr		I	Dry wall	White	-0.3	QM
040	A	Wall	Ctr		I	Stucco	White	-0.1	QM
044	A	Wall	Ctr		I	Stucco	White	-0.1	QM
045	A	Door Face	Ctr		I	Wood	Black	0.4	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
047	A	Door Face	Ctr		I	Wood	black	0.5	QM
041	B	Wall	Ctr		I	Stucco	White	-0.1	QM
042	C	Wall	Ctr		I	Stucco	White	0.2	QM
043	D	Wall	Ctr		I	Stucco	White	0.2	QM
Interior Room 005 Ladies Bath									
049	A	Window	Lft	Lft Casing	P	Stucco	White	0.3	QM
Interior Room 006 Office 5									
050	A	Window	Lft	Lft Casing	P	Stucco	White	-0.1	QM
Interior Room 007 THEATER									
051	C	Window	Ctr	Lft Casing	P	Stucco	White	-0.1	QM
Interior Room 008 THEATER									
052	A	Wall	Ctr		I	Stucco	White	0.2	QM
053	A	Wall	Ctr		I	Stucco	Red	0.6	QM
054	B	Wall	Ctr		I	Stucco	White	0.2	QM
055	B	Wall	Ctr		I	Stucco	Red	0.1	QM
056	C	Door	Lft	Door Faces	I	Metal	White	0.6	QM
058	C	Door	Rgt	Door Faces	I	Metal	White	0.7	QM
059	C	Door	Rgt	Lft casing	I	Wood	White	0.6	QM
Interior Room 009 THEATER									
057	C	Door	Lft	Lft casing	I	Wood	White	0.5	QM
Calibration Readings									
001								0.9	TC
002								0.9	TC
003								1.1	TC
060								1.1	TC
061								1.1	TC
062								1.1	TC

---- End of Readings ----

DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR: Adv. Environmental Consulting

Inspection Date:	02/09/09	Old Lincold Theatre
Report Date:	2/10/2009	1305 Myrtle Walk
Abatement Level:	1.0	Baton Rouge,
Report No.	02/09/09 11:11	Louisiana 70802
Total Reading Sets:	56	
Job Started:	02/09/09 11:11	
Job Finished:	02/09/09 13:19	

Structure	Total	Structure Distribution: Positive		Negative		Inconclusive	
AC Vents	1	0	<0%>	1	<100%>	0	<0%>
Baseboard	2	0	<0%>	2	<100%>	0	<0%>
Ceiling	3	0	<0%>	3	<100%>	0	<0%>
Counter Shf	2	0	<0%>	2	<100%>	0	<0%>
Door Door Face	2	1	<50%>	1	<50%>	0	<0%>
Door Door Faces	2	0	<0%>	2	<100%>	0	<0%>
Door Face	3	0	<0%>	3	<100%>	0	<0%>
Door Lft casing	7	2	<29%>	5	<71%>	0	<0%>
Door Rgt casing	1	1	<100%>	0	<0%>	0	<0%>
Trim	1	0	<0%>	1	<100%>	0	<0%>
Wall	21	0	<0%>	21	<100%>	0	<0%>
Wall Gutter	3	0	<0%>	3	<100%>	0	<0%>
Wall MA	1	0	<0%>	1	<100%>	0	<0%>
Wall Panel	2	0	<0%>	2	<100%>	0	<0%>
Wall Panel Trim	2	0	<0%>	2	<100%>	0	<0%>
Window Lft Casing	3	0	<0%>	3	<100%>	0	<0%>
Inspection Totals:	56	4	< 7%>	52	< 93%>	0	< 0%>

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 02/09/09 11:11

INSPECTION FOR: Adv. Environmental Consulting

PERFORMED AT: Old Lincoln Theatre
1305 Myrtle Walk
Baton Rouge,
Louisiana 70802

INSPECTION DATE: 02/09/09

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1387

ACTION LEVEL: 1.0 mg/cm**2

OPERATOR LICENSE: Pb09RA00088

STATEMENT: As of 02/09/09,

Yes, lead based paint was found on this building.

SIGNED _____ DATE _____
Env. Services Group LLC
Lanny J. Herring
4001 South Dr.
New Iberia,
Louisiana 70563

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR:Adv. Environmental Consulting

Inspection Date: 02/09/09
Report Date: 2/10/2009
Abatement Level: 1.0
Report No. 02/09/09 11:11
Total Readings: 62
Job Started: 02/09/09 11:11
Job Finished: 02/09/09 13:19

Old Lincold Theatre
1305 Myrtle Walk
Baton Rouge,
Louisiana 70802

Read No. Mode	Rm	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm²)
1 TC		CALIBRATION								0.9
2 TC		CALIBRATION								0.9
3 TC		CALIBRATION								1.1
4 QM	001	Bldg 1	A	Wall	Rgt		I	N/A	N/A	-0.1

5	001 Bldg 1	A	Wall	Rgt	I	Brick	Red	0.0
QM								
6	001 Bldg 1	A	Wall	Rgt	I	Brick	White	-0.1
QM								
7	001 Bldg 1	A	Door	Rgt Door Face	I	Metal	White	1.1
QM								
8	001 Bldg 1	A	Door	Rgt Lft casing	I	Metal	White	1.1
QM								
9	001 Bldg 1	A	Wall	Ctr Panel	I	Wood	White	-0.1
QM								
10	001 Bldg 1	A	Wall	Ctr Panel Trlm	I	Wood	White	-0.2
QM								
11	001 Bldg 1	A	Wall	Ctr GUTTER	I	Wood	Tan	-0.1
QM								
12	001 Bldg 1	A	Wall	Ctr GUTTER	I	Wood	White	0.0
QM								
13	001 Bldg 1	B	Wall	Rgt NA	I	Brick	Tan	-0.1
QM								
14	001 Bldg 1	B	Wall	Rgt Panel	I	Wood	Tan	0.0
QM								
15	001 Bldg 1	B	Wall	Rgt Panel Trlm	I	Wood	White	-0.1
QM								
16	001 Bldg 1	B	Door	Rgt Door Face	I	Wood	White	0.1
QM								
17	001 Bldg 1	B	Door	Rgt Lft casing	I	Wood	White	0.1
QM								
18	001 Bldg 1	B	Door	Rgt Rgt casing	I	Wood	White	2.3
QM								
19	001 Bldg 1	C	Wall	Rgt	I	Brick	White	-0.4
QM								
20	001 Bldg 1	D	Wall	Rgt	I	Brick	Tan	0.2
QM								
21	001 Bldg 1	D	Wall	Rgt Gutter	I	Metal	Tan	-0.1
QM								
22	001 Entry	A	Wall	Ctr	I	Drywall	White	0.0
QM								
23	001 Entry	B	Wall	Ctr	I	Drywall	Tan	0.1
QM								
24	001 Entry	A	Ceiling		I	Dry wall	White	0.0
QM								
25	001 Entry	A	Baseboard	Ctr	I	Wood	White	0.1
QM								
26	001 Entry	C	Door Face	Rgt	I	Wood	White	0.0
QM								
27	001 Entry	C	Door	Rgt Lft casing	I	Wood	White	1.1
QM								
28	002 Snack Bar	A	Ceiling		I	Drywall	White	-0.1
QM								
29	002 Snack Bar	A	Baseboard	Ctr	I	Wood	White	-0.1
QM								
30	002 Snack Bar	A	Wall	Ctr	I	Drywall	Red	-0.1
QM								
31	002 Snack Bar	B	Wall	Ctr	I	Drywall	Red	-0.1
QM								
32	002 Snack Bar	C	Wall	Ctr	I	Stucco	Red	0.1
QM								
33	002 Snack Bar	A	Counter Shf	Ctr	I	Wood	White	0.2
QM								
34	002 Snack Bar	D	Counter Shf	Ctr	I	Wood	White	-0.1
QM								
35	002 Snack Bar	D	Trim	Ctr	I	Wood	Red	-0.2
QM								
36	003 Mens Bath	B	Wall	Ctr	I	Stucco	White	0.0

```
QM
 37  003 Mens Bath    C  Wall          Ctr              I Stucco     White     0.4
QM
 38  003 Mens Bath    A  AC Vents      Rgt              I Metal      White     0.0
QM
 39  004 Barber Shop  A  Ceiling       Ctr              I Dry wall   White    -0.3
QM
 40  004 Barber Shop  A  Wall          Ctr              I Stucco     White    -0.1
QM
 41  004 Barber Shop  B  Wall          Ctr              I Stucco     White    -0.1
QM
 42  004 Barber Shop  C  Wall          Ctr              I Stucco     White     0.2
QM
 43  004 Barber Shop  A  Door Face     Ctr              I wood       Black     0.2
QM
 44  004 Barber Shop  A  Door          Ctr Lft casing   I Wood       Black    -0.1
QM
 45  004 Barber Shop  A  Door Face     Ctr              I Wood       Black     0.4
QM
 46  004 Barber Shop  A  Door          Ctr Lft casing   I Wood       black     0.0
QM
 47  005 Ladies Bath  A  Window        lft Lft casingl  P Stucco     White     0.
 48  005 Ladies Bath  A  Wall          CtrI Wood        P Stucco               black
 0.6    QM
 49  005 Ladies Bath  B  wall          Ctr              P Stucco     White     0.3
QM
 50  006 Office 5     A  Window        Lft Lft Casing   P Stucco     White    -0.1
QM
 51  006 Office 5     B  Wall          Ctr              P Stucco     White    -0.1
QM
 52  006 Office 5     C  Wall          Ctr              I Stucco     White     0.2
QM
 53  008 THEATER      A  Wall          Ctr              I Stucco     Red       0.6
QM
 54  008 THEATER      C  Wall          Ctr              I Stucco     white     0.2
QM
 55  008 THEATER      D  Wall          Ctr              I Stucco     Red       0.1
QM
 56  008 THEATER      C  Door          Lft Door Faces   I Metal      white     0.6
QM
 57  009 THEATER      C  Door          Lft Lft casing   I Wood       White     0.5
QM
 58  008 THEATER      C  Door          Rgt Door Faces   I Metal      white     0.7
QM
 59  008 THEATER      C  Door          Rgt Lft casing   I Wood       White     0.6
QM
 60      CALIBRATION                                                            1.1
TC
 61      CALIBRATION                                                            1.1
TC
 62      CALIBRATION                                                            1.1
TC
```

---- End of Readings ----

APPENDIX C
Lead Based Paint XRF Inspection Report

SURVEY DATA SHEET

ADVANCED ENVIRONMENTAL CONSULTING

P. O. BOX 82905
Baton Rouge, LA 70884
225-753-4031 Fax 225-753-4033
gjohnson@advenvir.com
www.advenvir.com

Date: 1/9/09

Page: 1 of 1

Job #: 09-041

Technician: GJ

Client: Quant.

Building/Area: Lincoln Theater

Type of Survey: Lead in H2O

Project Location: Baton Rouge

Sample	Description	Location	Quantity
W-1-A	Drinking H2O Cut 1	Barber Shop Hallway	
W-2-A	" " Cut 2	" "	
W-3-A	" " Cut 3	" "	
W-4-A	" " Cut 4	" "	
W-1-B	Drinking H2O Concession Area	Concession Area Sink	
W-2-B	Cut 2	" "	
W-3-B	Cut 3	" "	
W-4-B	Cut 4	" "	

FT – floor tile CT – ceiling tile PI – pipe insulation SA – spray applied M – mastic GYP – gypsum T – transite R – roofing SF – square feet LF – linear feet

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL Analytical, Inc.

3 Cooper St. Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-9551
Web: http://www.emsl.com Email: westmontleadlab@emsl.com

FACSIMILE TRANSMITTAL SHEET

To:
Company: Advanced Environmental Consulting
Fax Number: (225) 753-4033
Phone Number: (225) 753-4031

From: EMSL Analytical
Date: February 17, 2009
PAGES INCLUDING COVER: 4

RE: Analysis Results for Order(s) 200901873
The following report covers the analysis performed on samples submitted to EMSL Analytical on the following date(s):
2/12/2009 11:13:00AM

Notice: **If you are not the stated recipient of this fax and have received this in error, please discard immediately and contact EMSL Analytical at the phone number listed above.**

EMSL Analytical News

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TEM Cassettes $39(10+bx)

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EMSL H/D Diaphragm Pump $169
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If you have any questions, please do not hesitate to contact us at (856) 858-4800.

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CERTIFICATIONS OF ACCREDITATIONS AND CHAIN OF CUSTODY FORMS

200901873

EMSL Relinquish Form
Revision 2
Effective Date: July 9, 2007

EMSL Analytical, Inc.
Relinquish Form

Initial Lab:	EMSL- Baton Rouge	Phone Number:	225-755-1920
		Fax Number:	225-755-1989
Relinquished to:	EMSL- Westmont	Phone Number:	
		Fax Number:	
Does new Lab hold equivalent or additional accreditation*			Yes / No

Client Name:	Advanced Environmental Consulting
Client Project:	09-041 / Lincoln
Date Received:	2/10/09
Date Relinquished:	2/10/09
Date Due:	TAT. 6-10 day
Special Instructions:	see COC

Thanks!

Relinquished by (Signature):	Date: 2/10/09	Received by (Signature):	Date: 2/12/09
Relinquished by (Signature):	Date:	Received by (Signature):	Date:

Client Notification- Please sign this form and fax to the original laboratory. By signing below you agree to allow the above named laboratory to relinquish the samples to a new laboratory with equivalent or additional certification.

Name (please Print)	Signature	Agent of:	Date:

If this is a reoccurring project or sample type that will require samples to be relinquished on a regular basis please sign below and the laboratory will keep this form on file.

Name (please Print)	Signature	Agent of:	Date:

- All accreditation information and certificates can be found at www.emsl.com.

Controlled Document
Confidential Business Information/Property of EMSL Analytical, Inc.

2009 No. 23

AEC

Advanced Environmental Consulting, L. L. C.
Chain of Custody Record
www.advenvir.com

P. O. Box 82905,, Baton Rouge, LA 70884
225-753-4031 Fax 225-753-4033

Laboratory Samples Submitted To: EMSL

By: Advanced Environmental Consulting, LLC

Report Results To: 225-753-4033

Turnaround Time Requested: STD

Project Name: LINCOLN

Project No.: 09-041

Sample No.	Date	Sample Type (bulk, air, water, etc)	Test(s) (pcm, plm, tem, etc.)	Remarks
W-1-A	2/9/09	WATER	A.A.	LEAD IN WATER
W-2-A				
W-3-A				NEED 15 PPB
W-4-A				
W-1-B				SENSITIVITY
W-2-B				
W-3-B				
W-4-B				

Advanced Environmental Consulting, L. L. C.	Relinquished By:	Date 2/16/09 Time 14:30	Received By:	Date 2/10/09 Time 4:20P	Intact

From: 8568581032 To: Accounts Payable Page: 3/4 Date: 2/17/2009 12:36:24 PM

EMSL Analytical
3 Cooper St , Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-9551 Email: westmontlabdlab@emsl.com

Attn: **Advanced Environmental Consulting**
PO Box 82905
Baton Rouge, LA 70884

Fax: (225) 753-4033 Phone: (225) 753-4031
Project: **Lincoln/ 09-041**

Customer ID: AECO62
Customer PO:
Received: 02/12/09 11:13 AM
EMSL Order: 200901873
EMSL Proj:

Report Date: 2/17/2009

Lead in Water by Furnace AAS (EPA 200.9)

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
W-1-A	0001	2/10/2009	2/16/2009	310 ppb
W-2-A	0002	2/10/2009	2/16/2009	98 ppb
W-3-A	0003	2/10/2009	2/16/2009	23 ppb
W-4-A	0004	2/10/2009	2/16/2009	7.3 ppb
W-1-B	0005	2/10/2009	2/16/2009	65 ppb
W-2-B	0006	2/10/2009	2/16/2009	43 ppb
W-3-B	0007	2/10/2009	2/16/2009	21 ppb
W-4-B	0008	2/10/2009	2/16/2009	61 ppb

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted
ACCREDITATIONS: NJ-NELAP: 04653, AIHA Environmental Lead Laboratory Approval Program: 100194

Date Printed: 2/17/2009 12:31:54 PM
ChmSnglePrm/nQC

APPENDIX D
Lead in Drinking Water
EMSL Analytical Report

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: **Jim Voitier**
Shaw Environmental
4171 Essen Lane
Baton Rouge, LA 70809

Fax: Phone: (703) 461-6848
Project: **LINCOLN THEATER**

Customer ID: ITCO53
Customer PO:
Received: 02/22/11 11:40 AM
EMSL Order: 041103907

EMSL Proj:
Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
1A *041103907-0001*	CONCESSION AREA - WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
1B *041103907-0002*	CONCESSION AREA - WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
1C *041103907-0003*	CONCESSION AREA - WALL PAPER/MASTIC	Tan Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
2A *041103907-0004*	CONCESSION AREA - UNDERSIDE SINK COATING	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2B *041103907-0005*	CONCESSION AREA - UNDERSIDE SINK COATING	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2C *041103907-0006*	CONCESSION AREA - UNDERSIDE SINK COATING	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 03/01/2011 14:51:49

Analyst(s)

Adam Gart (62)
Ted Young (106)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to the cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. The test results contained within this report meet the requirements of NELAC unless otherwise specified. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: **Jim Voitier**
Shaw Environmental
4171 Essen Lane
Baton Rouge, LA 70809

Fax: Phone: (703) 461-6848
Project: **LINCOLN THEATER**

Customer ID: ITCO53
Customer PO:
Received: 02/22/11 11:40 AM
EMSL Order: 041103907

EMSL Proj:
Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
3A *041103907-0007*	CONCESSION AREA - CEILING COATING AND SUBSTRATE	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
3B *041103907-0008*	CONCESSION AREA - CEILING COATING AND SUBSTRATE	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
3C *041103907-0009*	CONCESSION AREA - CEILING COATING AND SUBSTRATE	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
4A *041103907-0010*	LOBBY - WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
4B *041103907-0011*	LOBBY - WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
4C *041103907-0012*	LOBBY - WALL PAPER/MASTIC	Tan Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**

Initial report from 03/01/2011 14:51:49

Analyst(s)

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Ted Young (106)

Stephen Siegel, CIH, Laboratory Manager
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Project: **LINCOLN THEATER**

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EMSL Order: 041103907

EMSL Proj:
Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5A *041103907-0013*	LOBBY - FLORAL WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
5B *041103907-0014*	LOBBY - FLORAL WALL PAPER/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
5C *041103907-0015*	LOBBY - FLORAL WALL PAPER/MASTIC	Tan Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
6A *041103907-0016*	- WALL COVERING/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
6B *041103907-0017*	- WALL COVERING/MASTIC	Tan Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
6C *041103907-0018*	- WALL COVERING/MASTIC	Tan Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
7A *041103907-0019*	- ELECTRICAL PANEL PARTITION	White Fibrous Homogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
7B *041103907-0020*	- ELECTRICAL PANEL PARTITION	White Fibrous Homogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**
7C *041103907-0021*	- ELECTRICAL PANEL PARTITION	White Non-Fibrous Homogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**
8A *041103907-0022*	- SUSPENDED CEILING	Yellow Fibrous Homogeneous	99%	Min. Wool	1%	Non-fibrous (other)	**None Detected**
8B *041103907-0023*	- SUSPENDED CEILING	Yellow Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
8C *041103907-0024*	- SUSPENDED CEILING	Yellow Non-Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
9A *041103907-0025*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
9B *041103907-0026*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
9C *041103907-0027*	- WALL COVERING/MASTIC	White Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
10A *041103907-0028*	- WALL BOARD	White Fibrous Homogeneous	10% 5%	Cellulose Glass	85%	Non-fibrous (other)	**None Detected**
10B *041103907-0029*	- WALL BOARD	White Fibrous Homogeneous	10% 5%	Cellulose Glass	85%	Non-fibrous (other)	**None Detected**
10C *041103907-0030*	- WALL BOARD	White Non-Fibrous Homogeneous	10% 5%	Cellulose Glass	85%	Non-fibrous (other)	**None Detected**
11A *041103907-0031*	OUTSIDE - VERTICAL COUNTER COVER	White Fibrous Homogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**
11B *041103907-0032*	OUTSIDE - VERTICAL COUNTER COVER	White Fibrous Homogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
11C *041103907-0033*	OUTSIDE - VERTICAL COUNTER COVER	White Non-Fibrous Homogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**
12A-COUNTER TOP *041103907-0034*	- COUNTER TOP	Brown Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
12A-MASTIC *041103907-0034A*	- MASTIC	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
12B-COUNTER TOP *041103907-0035*	- COUNTER TOP	Brown Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
12B-MASTIC *041103907-0035A*	- MASTIC	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
12C-COUNTER TOP *041103907-0036*	- COUNTER TOP	Brown Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
12C-MASTIC *041103907-0036A*	- MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13A-Black Floor Tile *041103907-0037*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13A-MASTIC *041103907-0037A*	- MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13A-Red Floor Tile *041103907-0037B*	- BLACK FLOOR TILE	Red Fibrous Homogeneous		97% Non-fibrous (other)	**3% Chrysotile**
13B-Black Floor Tile *041103907-0038*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13B-MASTIC *041103907-0038A*	- MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13B-Tan Floor Tile *041103907-0038B*	- BLACK FLOOR TILE	Tan Fibrous Homogeneous		97% Non-fibrous (other)	**3% Chrysotile**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
13C-Black Floor Tile *041103907-0039*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13C-Mastic *041103907-0039A*	- MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
13C-Red Floor Tile *041103907-0039B*	- MASTIC				**Stop Positive (Not Analyzed)**
14A-White Floor Tile *041103907-0040*	- WHITE FLOOR TILE MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14A-Tan Floor Tile *041103907-0040A*	- WHITE FLOOR TILE MASTIC	Tan Fibrous Homogeneous		94% Non-fibrous (other)	**6% Chrysotile**
14A-Mastic *041103907-0040B*	- WHITE FLOOR TILE MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14B-White Floor Tile *041103907-0041*	- WHITE FLOOR TILE MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
14B-Tan Floor Tile *041103907-0041A*	- WHITE FLOOR TILE MASTIC				**Stop Positive (Not Analyzed)**
14B-Mastic *041103907-0041B*	- WHITE FLOOR TILE MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14C-Floor Tile *041103907-0042*	- WHITE FLOOR TILE MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
14C-Mastic *041103907-0042A*	- WHITE FLOOR TILE MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
15A *041103907-0043*	- WALL COATING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
15B *041103907-0044*	- WALL COATING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
15C *041103907-0045*	- WALL COATING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
16A *041103907-0046*	- SEAT PADDING	Tan Fibrous Homogeneous	60% 20%	Synthetic Cellulose	20%	Non-fibrous (other)	**None Detected**
16B *041103907-0047*	- SEAT PADDING	Tan Fibrous Homogeneous	60% 20%	Synthetic Cellulose	20%	Non-fibrous (other)	**None Detected**
16C *041103907-0048*	- SEAT PADDING	Tan Fibrous Homogeneous	45% 35%	Synthetic Cellulose	20%	Non-fibrous (other)	**None Detected**
16D *041103907-0049*	- SEAT PADDING	Tan Fibrous Homogeneous	60% 20%	Synthetic Cellulose	20%	Non-fibrous (other)	**None Detected**
16E *041103907-0050*	- SEAT PADDING	Tan Non-Fibrous Homogeneous	60% 20%	Synthetic Cellulose	20%	Non-fibrous (other)	**None Detected**
17A-CARPET *041103907-0051*	- RED CARPET	Red Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
17A-MASTIC *041103907-0051A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
17B-CARPET *041103907-0052*	- RED CARPET	Red Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
17B-MASTIC *041103907-0052A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17C-CARPET *041103907-0053*	- RED CARPET	Red Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
17C-MASTIC *041103907-0053A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17D-CARPET *041103907-0054*	- RED CARPET	Red Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
17D-MASTIC *041103907-0054A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17E-CARPET *041103907-0055*	- RED CARPET	Red Non-Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**

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Project: **LINCOLN THEATER**

Customer ID: ITCO53
Customer PO:
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EMSL Order: 041103907

EMSL Proj:
Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
17E-MASTIC *041103907-0055A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18A-Plaster *041103907-0056*	- CEILING COATING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18A-Coating *041103907-0056A*	- CEILING COATING	Brown Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
18B-Plaster *041103907-0057*	- CEILING COATING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18B-Coating *041103907-0057A*	- CEILING COATING	Brown Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
18C-Plaster *041103907-0058*	- CEILING COATING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18C-Coating *041103907-0058A*	- CEILING COATING	Brown Non-Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**

Initial report from 03/01/2011 14:51:49

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager
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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
19A *041103907-0059*	- SUSPENDED CEILING	Gray/White Non-Fibrous Heterogeneous	70% 5%	Cellulose Glass	25%	Non-fibrous (other)	**None Detected**
19B *041103907-0060*	- SUSPENDED CEILING	Gray/White Non-Fibrous Homogeneous	70% 5%	Cellulose Glass	25%	Non-fibrous (other)	**None Detected**
19C *041103907-0061*	- SUSPENDED CEILING	Gray Fibrous Homogeneous	35% 35%	Cellulose Min. Wool	30%	Non-fibrous (other)	**None Detected**
20A *041103907-0062*	- CEILING SURFACING MATERIAL	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
20B *041103907-0063*	- CEILING SURFACING MATERIAL	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
20C *041103907-0064*	- CEILING SURFACING MATERIAL	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
21A *041103907-0065*	- WATER PIPE INSULATION	Gray/White Non-Fibrous Homogeneous	15%	Cellulose	35%	Non-fibrous (other)	**50% Chrysotile**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
21B *041103907-0066*	- WATER PIPE INSULATION						**Stop Positive (Not Analyzed)**
21C *041103907-0067*	- WATER PIPE INSULATION						**Stop Positive (Not Analyzed)**
22A *041103907-0068*	- HVAC EXTERNAL INSULATION	Brown Non-Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
22B *041103907-0069*	- HVAC EXTERNAL INSULATION	Brown Non-Fibrous Heterogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
22C *041103907-0070*	- HVAC EXTERNAL INSULATION	Brown Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
23A *041103907-0071*	- HVAC DUCTWORK ACCESS PANEL INSULATION	Brown Non-Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
23B *041103907-0072*	- HVAC DUCTWORK ACCESS PANEL INSULATION	Brown Non-Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
23C *041103907-0073*	- HVAC DUCTWORK ACCESS PANEL INSULATION	Brown Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
24A *041103907-0074*	- HVAC DUCTWORK INSULATION	Brown Non-Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
24B *041103907-0075*	- HVAC DUCTWORK INSULATION	Brown Non-Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
24C *041103907-0076*	- HVAC DUCTWORK INSULATION	Brown Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
25A *041103907-0077*	- ROOFING MATERIAL	Black Non-Fibrous Heterogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
25B *041103907-0078*	- ROOFING MATERIAL	Black Non-Fibrous Heterogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**
25C *041103907-0079*	- ROOFING MATERIAL	Black Non-Fibrous Homogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**
25D *041103907-0080*	- ROOFING MATERIAL	Black Non-Fibrous Homogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**
25E *041103907-0081*	- ROOFING MATERIAL	Black Fibrous Homogeneous	25%	Glass	75%	Non-fibrous (other)	**None Detected**
25F *041103907-0082*	- ROOFING MATERIAL	Black Fibrous Homogeneous	25%	Glass	75%	Non-fibrous (other)	**None Detected**
25G *041103907-0083*	- ROOFING MATERIAL	Black Fibrous Homogeneous	25%	Glass	75%	Non-fibrous (other)	**None Detected**
26A-TILE *041103907-0084*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
26A-MASTIC *041103907-0084A*	- MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
26B-TILE *041103907-0085*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
26B-MASTIC *041103907-0085A*	- MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
26C-TILE *041103907-0086*	- BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
26C-MASTIC *041103907-0086A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27A-BASE BOARD *041103907-0087*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27A-MASTIC *041103907-0087A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
27B-BASE BOARD *041103907-0088*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27B-MASTIC *041103907-0088A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27C-BASE BOARD *041103907-0089*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27C-MASTIC *041103907-0089A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27D-BASE BOARD *041103907-0090*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27D-MASTIC *041103907-0090A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27E-BASE BOARD *041103907-0091*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
27E-MASTIC *041103907-0091A*	- MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27F-BASE BOARD *041103907-0092*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27F-MASTIC *041103907-0092A*	- MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27G-BASE BOARD *041103907-0093*	- BASE BOARD	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
27G-MASTIC *041103907-0093A*	- MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
28A-CARPET *041103907-0094*	- GREY CARPET	Gray Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (other)	**None Detected**
28A-MASTIC *041103907-0094A*	- MASTIC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
28B-CARPET *041103907-0095*	- GREY CARPET	Gray Fibrous Homogeneous	90%	Min. Wool	10%	Non-fibrous (other)	**None Detected**
28B-MASTIC *041103907-0095A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
28C-CARPET *041103907-0096*	- GREY CARPET	Gray Non-Fibrous Homogeneous	90%	Min. Wool	10%	Non-fibrous (other)	**None Detected**
28C-MASTIC *041103907-0096A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
29A *041103907-0097*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	55%	Cellulose	45%	Non-fibrous (other)	**None Detected**
29B *041103907-0098*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	55%	Cellulose	45%	Non-fibrous (other)	**None Detected**
29C *041103907-0099*	- WALL COVERING/MASTIC	White Non-Fibrous Homogeneous	55%	Cellulose	45%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
30A *041103907-0100*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
30B *041103907-0101*	- WALL COVERING/MASTIC	White Fibrous Homogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
30C *041103907-0102*	- WALL COVERING/MASTIC	White Non-Fibrous Homogeneous	70%	Cellulose	30%	Non-fibrous (other)	**None Detected**
31A *041103907-0103*	- VERTICAL STRIPE WALL COVERING/MASTIC	White Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
31B *041103907-0104*	- VERTICAL STRIPE WALL COVERING/MASTIC	White Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
31C *041103907-0105*	- VERTICAL STRIPE WALL COVERING/MASTIC	White Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**

Initial report from 03/01/2011 14:51:49

Analyst(s)

Adam Gart (62)
Ted Young (106)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: **Jim Voitier**
Shaw Environmental
4171 Essen Lane
Baton Rouge, LA 70809

Fax: Phone: (703) 461-6848
Project: **LINCOLN THEATER**

Customer ID: ITCO53
Customer PO:
Received: 02/22/11 11:40 AM
EMSL Order: 041103907

EMSL Proj:
Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
31D *041103907-0106*	- VERTICAL STRIPE WALL COVERING/MASTIC	White Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
31E *041103907-0107*	- VERTICAL STRIPE WALL COVERING/MASTIC	White Non-Fibrous Homogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**
32A *041103907-0108*	- MARBLED WALL COVERING/MASTIC	White Fibrous Homogeneous	60%	Synthetic	40%	Non-fibrous (other)	**None Detected**
32B *041103907-0109*	- MARBLED WALL COVERING/MASTIC	White Fibrous Homogeneous	60%	Synthetic	40%	Non-fibrous (other)	**None Detected**
32C *041103907-0110*	- MARBLED WALL COVERING/MASTIC	White Non-Fibrous Homogeneous	60%	Synthetic	40%	Non-fibrous (other)	**None Detected**
33A *041103907-0111*	- WINDOW CAULKING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
33B *041103907-0112*	- WINDOW CAULKING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
33C *041103907-0113*	- WINDOW CAULKING	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
34A-CARPET *041103907-0114*	- BLUE CARPET	Various Fibrous Heterogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
34A-MASTIC *041103907-0114A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
34B-CARPET *041103907-0115*	- BLUE CARPET	Various Fibrous Heterogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
34B-MASTIC *041103907-0115A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
34C-CARPET *041103907-0116*	- BLUE CARPET	Various Non-Fibrous Homogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
34C-MASTIC *041103907-0116A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
35A-CARPET *041103907-0117*	- GREY CARPET	White Fibrous Heterogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
35A-MASTIC *041103907-0117A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
35B-CARPET *041103907-0118*	- GREY CARPET	White Fibrous Heterogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
35B-MASTIC *041103907-0118A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
35C-CARPET *041103907-0119*	- GREY CARPET	White Non-Fibrous Heterogeneous	90%	Synthetic	10%	Non-fibrous (other)	**None Detected**
35C-MASTIC *041103907-0119A*	- MASTIC	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
36A *041103907-0120*	- HVAC INSULATION	Brown Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
36B *041103907-0121*	- HVAC INSULATION	Brown Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**
36C *041103907-0122*	- HVAC INSULATION	Brown Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
36D *041103907-0123*	- HVAC INSULATION	Brown Non-Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
36E-HVAC Insulation *041103907-0124*	- HVAC INSULATION	Brown Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
36E-37A-Floor Tile *041103907-0124A*	- HVAC INSULATION	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Sample not on COC

Initial report from 03/01/2011 14:51:49

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Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
36E-37A-Floor Leveler *041103907-0124B*	- HVAC INSULATION	White Non-Fibrous Homogeneous	Sample not on COC	100% Non-fibrous (other)	**None Detected**
36E-37B-Floor Tile *041103907-0124C*	- HVAC INSULATION	Tan Non-Fibrous Homogeneous	Sample not on COC	100% Non-fibrous (other)	**None Detected**
36E-37B-Mastic *041103907-0124D*	- HVAC INSULATION	Tan Non-Fibrous Homogeneous	Sample not on COC	100% Non-fibrous (other)	**None Detected**
36E-37C-Floor Tile *041103907-0124E*	- HVAC INSULATION	Tan Non-Fibrous Homogeneous	Sample not on COC	100% Non-fibrous (other)	**None Detected**
36E-37C-Floor Leveler *041103907-0124F*	- HVAC INSULATION	White Non-Fibrous Homogeneous	Sample not on COC	100% Non-fibrous (other)	**None Detected**

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Analysis Date: 3/1/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
36E-37C-Mastic *041103907-0124G*	- HVAC INSULATION	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			Sample not on COC		

Initial report from 03/01/2011 14:51:49

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THIS IS THE LAST PAGE OF THE REPORT.

041103907

EMSL Relinquish Form
Revision 3
July 31, 2009

EMSL Analytical, Inc.
Relinquish Form 041103907

Initial Lab:	EMSL- Baton Rouge	Phone Number:	225-755-1920
		Fax Number:	-1989
Relinquished to:	EMSL- Cinnaminson	Phone Number:	800-220-3675
		Fax Number:	856-786-5974
Does new Lab hold equivalent or additional accreditation*		☒ Yes ☐ No	

EMSL Customer ID #:	ITC053
Client Name:	Shaw Environmental
Client Project:	Lincoln Theater
Date Received:	2/21/11
Date Relinquished:	2/21/11
Date Due:	1 Week
Special Instructions:	Please be advised - Billing special instructions will be sent via email per Bridget / John V.

Relinquished by (Signature):	Date: 2/21/11	Received by (Signature)	Date:
Relinquished by (Signature):	Date:	Received by (Signature) KD FX 11:40 AM	Date: 2-22-2011

Client Notification- Please sign this form and fax to the original laboratory. By signing below you agree to allow the above named laboratory to relinquish the samples to a new laboratory with equivalent or additional certification.

Name (please Print)	Signature	Agent of:	Date:

If this is a reoccurring project or sample type that will require samples to be relinquished on a regular basis please sign below and the laboratory will keep this form on file.

Name (please Print)	Signature	Agent of:	Date:

- All accreditation information and certificates can be found at www.emsl.com.

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC.

Revision Notes

041103907

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041103907

EMSL ANALYTICAL, INC.
11931 INDUSTRIPLEX BLVD
BATON ROUGE, LA 70809
PHONE: (225) 755-1920
FAX: (225) 755-1989

Company : Shaw Environmental, Inc.	**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 4171 Essen Lane	
City: Baton Rouge / **State/Province: LA**	**Zip/Postal Code: 70809** / **Country: USA**
Report To (Name): Jim Voitier	**Fax #:**
Telephone #: 225-987-7478	**Email Address: jim.voitier@shawgrp.com**
Project Name/Number: Lincoln Theater	
Please Provide Results: ☐ Fax ☒ Email / **Purchase Order:**	**U.S. State Samples Taken:**

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☑ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Jim Voitier | **Samplers Signature:** [signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1A	Wall paper/mastic (Concession area)	1	2/15/11 0900
1B	Wall paper/mastic (Concession area)	1	2/15/11 0900
1C	Wall paper/mastic (Concession area)	1	2/15/11 0900
2A	Underside sink coating (concession area)	2	2/15/11 0905
2B	Underside sink coating (concession area)	2	2/15/11 0905
2C	Underside sink coating (concession area)	2	2/15/11 0905
3A	Ceiling coating and substrate (concession area)	3	2/15/11 0910
3B	Ceiling coating and substrate (concession area)	3	2/15/11 0910

Client Sample # (s): - **Total # of Samples:** 20

Relinquished (Client): [signature] **Date:** 2/21/2011 **Time:** 1552

Received (Lab): Bridgit Dunn **Date:** 2/21/2011 **Time:** 3:52 PM

Comments/Special Instructions:

Relinquished By: M Bell 2/21/11

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC.

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Asbestos Chain of Custody

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EMSL ANALYTICAL, INC.
11931 INDUSTRIPLEX BLVD
BATON ROUGE, LA 70809
PHONE: (225) 755-1920
FAX: (225) 755-1989

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
3C	Ceiling coating and substrate (concession area)	3	2/15/11 0910
4A	Wall paper/mastic (lobby)	4	2/15/11 0915
4B	Wall paper/mastic (lobby)	4	2/15/11 0915
4C	Wall paper/mastic (lobby)	4	2/15/11 0915
5A	Floral wall paper/mastic (lobby)	5	2/15/11 0920
5B	Floral wall paper/mastic (lobby)	5	2/15/11 0920
5C	Floral wall paper/mastic (lobby)	5	2/15/11 0920
6A	Wall covering/mastic	6	2/15/11 0925
6B	Wall covering/mastic	6	2/15/11 0925
6C	Wall covering/mastic	6	2/15/11 0925
7A	electrical panel partition	7	2/15/11 0930
7B	electrical panel partition	7	2/15/11 0930
7C	electrical panel partition	7	2/15/11 0930
8A	suspended ceiling	8	2/15/11 1015
8B	suspended ceiling	8	2/15/11 1015
8C	suspended ceiling	8	2/15/11 1015

***Comments/Special Instructions:**

RECEIVED EMSL CINNAMINSON, N.J. 11 FEB 22 PM 12:

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Asbestos Chain of Custody

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EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9A	wall covering/mastic	9	2/15/11 1035
9B	wall covering/mastic	9	2/15/11 1035
9c	wall covering/mastic	9	2/15/11 1035
10A	wall board	10	2/15/11 1050
10B	wall board	10	2/15/11 1050
10C	wall board	10	2/15/11 1050
11A	Outside vertical counter cover	11	2/15/11 1250
11B	Outside vertical counter cover	11	2/15/11 1250
11C	Outside vertical counter cover	11	2/15/11 1250
12A	counter top/mastic	12	2/15/11 1300
12B	counter top/mastic	12	2/15/11 1300
12C	counter top/mastic	12	2/15/11 1300
13A	black floor tile/mastic	13	2/15/11 1320
13B	black floor tile/mastic	13	2/15/11 1320
13C	black floor tile/mastic	13	2/15/11 1320
14a	white floor tile mastic	14	2/15/11 1330

***Comments/Special Instructions:**

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PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
14b	white floor tile mastic	14	2/15/11 1320
14c	white floor tile mastic	14	2/15/11 1320
15a	wall coating	15	2/15/11 1345
15b	wall coating	15	2/15/11 1345
15c	wall coating	15	2/15/11 1345
16a	seat padding	16	2/15/11 1405
16b	seat padding	16	2/15/11 1405
16c	seat padding	16	2/15/11 1405
16d	seat padding	16	2/15/11 1405
16e	seat padding	16	2/15/11 1405
17a	red carpet/mastic	17	2/15/11 1420
17b	red carpet/mastic	17	2/15/11 1420
17c	red carpet/mastic	17	2/15/11 1420
17d	red carpet/mastic	17	2/15/11 1420
17e	red carpet/mastic	17	2/15/11 1420
18a	ceiling coating	18	2/15/11 1440

***Comments/Special Instructions:**

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC.

041103907

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

041103907

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
18b	ceiling coating	18	2/15/11 1440
18c	ceiling coating	18	2/15/11 1440
19a	suspended ceiling	19	2/15/11 1500
19b	suspended ceiling	19	2/15/11 1500
19c	suspended ceiling	19	2/15/11 1500
20a	ceiling surfacing material	20	2/15/11 1510
20b	ceiling surfacing material	20	2/15/11 1510
20c	ceiling surfacing material	20	2/15/11 1510
21a	water pipe insulation	21	2/16/11 0900
21b	water pipe insulation	21	2/16/11 0900
21c	water pipe insulation	21	2/16/11 0900
22a	HVAC external insulation	22	2/16/11 0905
22b	HVAC external insulation	22	2/16/11 0905
22c	HVAC external insulation	22	2/16/11 0905
23a	HVAC ductwork access panel insulation	23	2/16/11 0910
23b	HVAC ductwork access panel insulation	23	2/16/11 0910

***Comments/Special Instructions:**

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PHONE: (856) 858-4800
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
23c	HVAC ductwork access panel insulation	23	2/16/11 0910
24A	HVAC ductwork insulation	24	2/16/11 0915
24b	HVAC ductwork insulation	24	2/16/11 0915
24c	HVAC ductwork insulation	24	2/16/11 0915
25a	roofing material	25	2/16/11 0920
25b	roofing material	25	2/16/11 0920
25c	roofing material	25	2/16/11 0920
25d	roofing material	25	2/16/11 0920
25e	roofing material	25	2/16/11 0920
25f	roofing material	25	2/16/11 0920
25g	roofing material	25	2/16/11 0920
26a	black floor tile/mastic	26	2/16/11 0930
26b	black floor tile/mastic	26	2/16/11 0930
26c	black floor tile/mastic	26	2/16/11 0930
27a	base board/mastic	27	2/16/11 1015
27b	base board/mastic	27	2/16/11 1015

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EMSL ANALYTICAL, INC.
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WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
27c	base board/mastic	27	2/16/11 1015
27d	base board/mastic	27	2/16/11 1015
27e	base board/mastic	27	2/16/11 1015
27f	base board/mastic	27	2/16/11 1015
27g	base board/mastic	27	2/16/11 1015
28a	grey carpet/mastic	28	2/16/11 1050
28b	grey carpet/mastic	28	2/16/11 1050
28c	grey carpet/mastic	28	2/16/11 1050
29a	wall covering/mastic	29	2/16/11 1250
29b	wall covering/mastic	29	2/16/11 1250
29c	wall covering/mastic	29	2/16/11 1250
30a	wall covering/mastic	30	2/16/11 1300
30b	wall covering/mastic	30	2/16/11 1300
30c	wall covering/mastic	30	2/16/11 1300
31a	vertical stripe wall covering/mastic	31	2/16/11 1320
31b	vertical stripe wall covering/mastic	31	2/16/11 1320

***Comments/Special Instructions:**

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LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

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EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
31c	vertical stripe wall covering/mastic	31	2/16/11 1320
31d	vertical stripe wall covering/mastic	31	2/16/11 1320
31e	vertical stripe wall covering/mastic	31	2/16/11 1320
32a	marbled wall covering/mastic	32	2/16/11 1345
32b	marbled wall covering/mastic	32	2/16/11 1345
32c	marbled wall covering/mastic	32	2/16/11 1345
33a	window caulking	33	2/16/11 1405
33b	window caulking	33	2/16/11 1405
33c	window caulking	33	2/16/11 1405
34a	blue carpet/mastic	34	2/16/11 1420
34b	blue carpet/mastic	34	2/16/11 1420
34c	blue carpet/mastic	34	2/16/11 1420
35a	grey carpet/mastic	35	2/16/11 1440
35b	grey carpet/mastic	35	2/16/11 1440
35c	grey carpet/mastic	35	2/16/11 1440
36a	HVAC insulation	36	2/16/11 1445

***Comments/Special Instructions:**

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EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041103907

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
36b	HVAC insulation	36	2/16/11 1445
36c	HVAC insulation	36	2/16/11 1445
36d	HVAC insulation	36	2/16/11 1445
36e	HVAC insulation	36	2/16/11 1445

RECEIVED EMSL CINNAMINSON, N.J. 11 FEB 22 PM 12:41

***Comments/Special Instructions:**

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APPENDIX E
Expanded Asbestos Survey
Sampling Location Photographs (CD)

Quaternary Resource Investigations, L.L.C.

"Government & Industry in Harmony with the Environment"

Baton Rouge (Corporate)
13588 Florida Boulevard
Baton Rouge, LA 70819
Ph: (225) 292-1400
Fax: (225) 292-1404
Toll-free: (800) 889-5378
Established: 1986

Houston (Branch)
17011 El Camino Real,
Suite 200
Houston, TX 77058
Ph: (281) 286-4603
Fax: (281) 286-4604
Established: 2003

Dallas (Branch)
3809 Camino Dr.
Plano, TX 75074
Ph: (972) 979-0847
Website: www.qri.com
Established: 2006

US SBA 8(a) • US SDB • US WBE • LA DBE • Houston W/DBE • Dallas-Fort Worth W/DBE

SBA Protégé to Environmental Quality Management, Inc. (USEPA ERRS for Regions 5, 6, 9, 10)

February 19, 2009

MEL, Inc.
1752 Dallas Drive
Baton Rouge, Louisiana 70806
Attention: Mr. Morgan Watson

Remediation Services Division
Manager: Duane Wilson
Team Leader:
AI #: 169406
TEMPO Task #:
☐ Desk Copy File Room:

RE: Phase I Environmental Site Assessment

Dear Mr. Watson:

Attached herewith and as requested is one original copy and two compact disk versions of our report entitled "Phase I Environmental Site Assessment of Lincoln Theater, 1305 Myrtle Walk, Baton Rouge, LA," dated January 2009. The assessment activities were performed in general accordance with ASTM Standard Practice E-1527-05.

This report is certified to MEL, Inc.

QRI appreciates the opportunity to provide MEL, Inc. with these services and looks forward to working with you on any future assignments. If you have questions regarding information in this report or if we can be of further assistance, please contact our office at (225) 292-1400.

Sincerely,

Quaternary Resource Investigations, L.L.C.

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MAR 0 2 2010
LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG # RP2010-2811

Kay S. Nall

Kay S. Nall
Project Manager

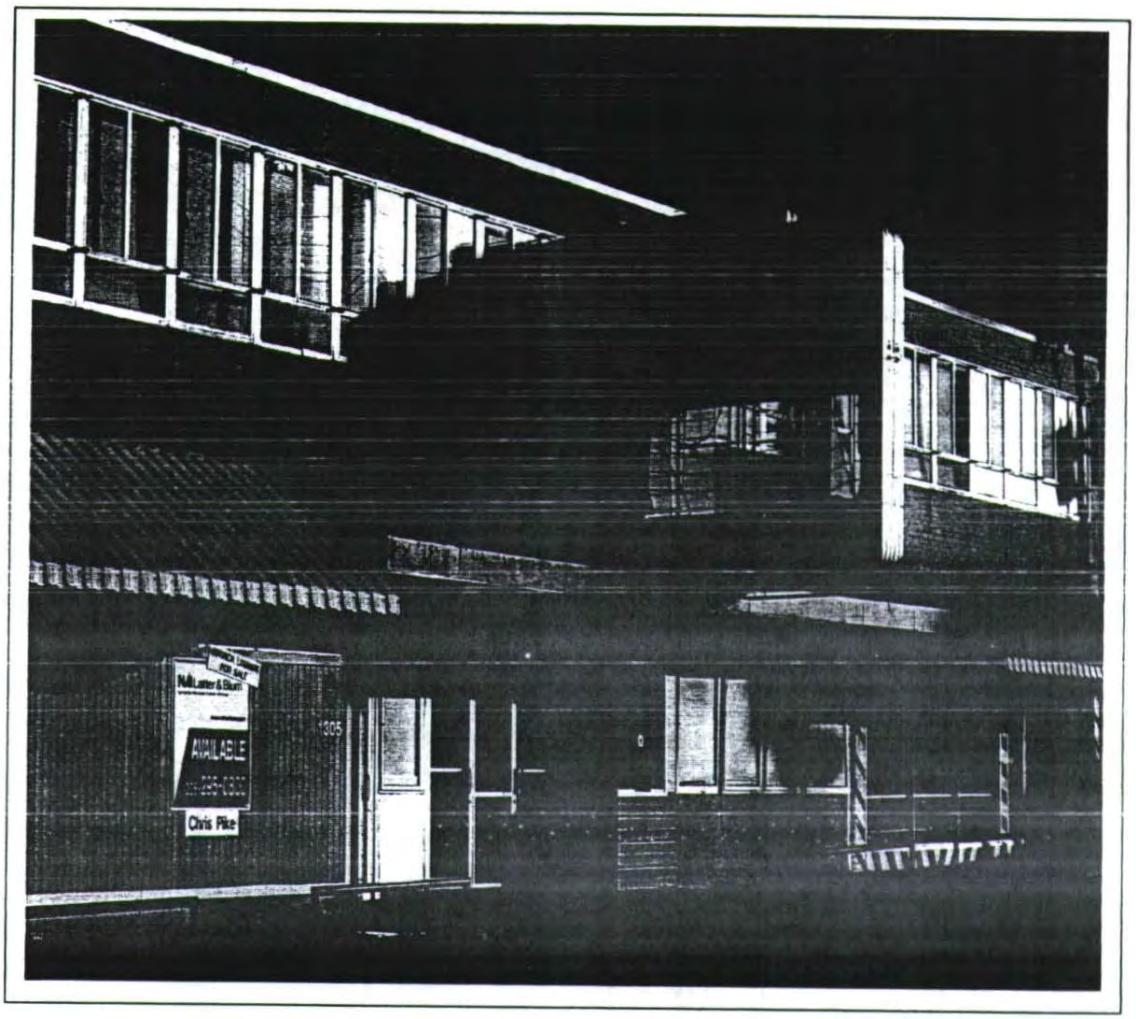
Fonda Lindfors New

Fonda Lindfors New
CEO/Principal Geologist

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

LINCOLN THEATER
1305 MYRTLE WALK
BATON ROUGE, LOUISIANA 70802



Prepared By:

QRI, L.L.C.
13588 Florida Boulevard
Baton Rouge, Louisiana 70819

Prepared For:

MEL, Inc.
1752 Dallas Drive
Baton Rouge, Louisiana 70806

MEL, INC.
Baton Rouge, Louisiana

PHASE I
ENVIRONMENTAL SITE
ASSESSMENT

LINCOLN THEATER
1305 MYRTLE WALK
BATON ROUGE, LOUISIANA 70802

January 2009

PREPARED BY:

QUATERNARY RESOURCE INVESTIGATIONS, LLC
13588 FLORIDA BOULEVARD
BATON ROUGE, LOUISIANA 70819
(225) 292-1400

– PRELIMINARY VISUAL REPORT –

LINCOLN THEATER
1305 MYRTLE WALK
BATON ROUGE, LOUISIANA 70802

PHASE I ENVIRONMENTAL ASSESSMENT
RESULTS SUMMARY AND RECOMMENDATIONS

Phase I Assessment Results (check applicable result for each hazard)

Hazard	Acceptable	Acceptable, Requires O&M	Fail	Fail, Possible Remedy Req'd	Phase II Recommended
On-Site REC					
PCBs	Yes				
UST/AST/LUST	Yes				
Other Petroleum Issues	Yes				
Hazardous Substance/ Waste	Yes				
Asbestos[1]	See below			See below	
Lead-Based Paint[2]	See below			See below	
Radon	Yes				
Other[3, 4]	See below			See below	
Off-Site REC					
PCBs	Yes				
UST/AST/LUST	Yes				
Other Petroleum Issues	Yes				
Hazardous Substance/ Waste	Yes				
Other	N/A				

[1] During the 12/31/08 site visit, materials indicative of asbestos containing materials were observed and photographed. As a result, a follow-up asbestos inspection is planned. Findings from that inspection will be submitted under separate cover.

[2] During the 12/31/08 site visit, conditions characteristic of Lead-Based Paint were observed. As a result, follow-up testing is planned. Findings from the testing will be submitted under separate cover.

[3] During the 12/31/08 site visit, water stains, standing water and stains indicating mold intrusion were observed and photographed on the theater ceiling and walls and on the second floor of the said property. In addition, roof and gutter damage from a fallen tree was documented on a rear corner of the building. Roof damage will have to be repaired and water intrusion eliminated before mold remediation can be addressed.

[4] National Wetlands Inventory Overview Map 2391074.2S obtained from the U.S. Fish and Wildlife Service indicates that the subject property is not located on wetlands. No wetlands exist within a 1 mile radius of the said property.

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F. City Directory Abstract

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1.0 SUMMARY

A Phase I Environmental Site Assessment (ESA) was conducted by Quaternary Resource Investigations (QRI) for MEL, Inc (MEL). The purpose of the assessment was to evaluate factual environmental information, as well as render an opinion regarding the environmental data collected and information reviewed pertaining to the Lincoln Theater, 1305 Myrtle Walk, Baton Rouge, LA.

QRI performed a Phase I ESA in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice E-1527-05. This assessment has not revealed evidence of recognized environmental conditions in connection with the subject properties. The term *recognized environmental conditions* means the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release, of any hazardous substances or petroleum products into structures on the property, or into the ground, groundwater, or surface of the property. The term is not intended to include *de minimus* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

As a result of this Phase I ESA, QRI recommends no further action be taken at this property for all items in conformance with the scope and limitations of the ASTM Standard Practice E-1527-05. However, in reference to the asbestos, lead-based paint and lead in drinking water concerns, QRI makes the following recommendations based on the Advanced Environmental Consulting report dated February 18, 2009:

Material that tested positive for asbestos content of greater than one percent was limited to the 9 inch floor tile and mastic that is located on the second floor office spaces. Where these materials appear to be in good condition and are not disturbed, they should not pose an environmental hazard. Where the mastic is encapsulated by the floor tile, it should not pose a hazard. If these materials are to be disturbed by renovation or demolition, they should be removed prior to the renovation or demolition by an asbestos abatement contractor licensed by the State of Louisiana Contractor's Licensing Board.

The areas that tested positive for lead based paint were in good condition at the time of testing and as such do not pose an environmental hazard.

Fixtures in the structure which feed potable water outlets should be replaced to newer - no lead - fixtures. As a precaution, in those sinks utilized for potable purposes the water should be allowed to run freely for three to four minutes each morning in order to flush the system.

Though not requested in the scope of this investigation, water stains, standing water and stains indicating mold intrusion were observed and photographed on the theater ceiling and walls and on the second floor of the said property. In addition, roof and gutter damage from a fallen tree was documented on a rear corner of the building. Roof damage will have to be repaired and all sources of water intrusion eliminated before

mold remediation can be addressed. The services of a licensed mold remediation inspector and contractor may be required for remediation.

2.0 INTRODUCTION

2.1 Purpose

The purpose of a Phase I ESA is to identify, to the extent feasible, pursuant to the processes prescribed herein, recognized environmental conditions in connection with the subject property in accordance with ASTM Standard Practice E-1527-05. The term "*recognized environmental conditions*" means the presence or likely presence of any hazardous substances or petroleum products on the subject property under conditions that indicate an existing release, past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the subject property. A Phase I ESA is intended to reflect a commercially prudent and reasonable inquiry in order to satisfy one of the requirements to qualify for the innocent landowner defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

2.2 Special Terms and Conditions

The findings and conclusions of this report are not scientific certainties, but rather, probabilities based on professional judgment concerning the significance of the data gathered during the course of the assessment. QRI was not able to verify that the subject property or adjoining land contains no hazardous substances, petroleum products, or other latent conditions beyond that detected or observed during the assessment. The possibility always exists for contaminants to migrate through surface water, air, soil, or groundwater. The ability to accurately address the environmental risks associated with transport in these media was beyond the scope of this assessment. The opinions expressed by QRI with reference to the subject property only pertain to the conditions that existed at the subject property during the time in which the site inspection was conducted.

2.3 Limitations and Exceptions of Assessment

This report and other instruments of service were prepared for and made available for the sole use of MEL and the contents thereof may not be used or relied upon by any other person or entity without the express written consent and authorization of QRI.

2.4 Limiting Conditions and Methodology Used

A comprehensive property inspection was conducted and pertinent observations relating to the condition of the environment at the subject property was recorded. This report was prepared to summarize findings and observations related to the

environmental condition of the subject property. Included within the contents of this report is a description of the subject property, a summary of reviewable records, and an opinion by QRI with regard to any recognized environmental conditions observed during the time in which the site inspection was conducted.

3.0 SITE DESCRIPTION

The following section summarizes information (if any) provided by MEL, with regard to the Phase I ESA.

3.1 Location and Description

The subject property is located within Baton Rouge, Louisiana, East Baton Rouge Parish. A site location map depicting the location of the subject property is presented in ***Figure 1***. The subject property is located at the corner of Myrtle Walk and Eddie Robinson Sr. Drive (13th Street).

3.2 Site and Vicinity Characteristics

The subject property is located at an elevation of fifty-three (53) feet National Geodetic Vertical Datum (NGVD), as interpreted from the United States Geological Survey (USGS) "30091-D2 Baton Rouge West, LA", 1995, Topographic Map (***Appendix D***).

3.3 Description of Structures, Roads, and Other Improvements on the Site

The subject property is a 60'x120' commercial tract (current address of the Lincoln Theater). The site is a corner lot which is bordered by Myrtle Walk and Eddie Robinson Sr. Drive (13th Street). Improvements on the property include the Lincoln Theater which occupies roughly 5,600 square feet of space in the building, 1,400 square feet of office space and more than 1,000 feet of commercial shop space including the Lincoln Barbershop. An adjacent lot contains a small storage building (see ***Figure 2***).

3.4 Information Reported by User Regarding Environmental Liens or Specialized Knowledge or Experience

A five-page questionnaire was submitted by QRI personnel to Mr. Chris Pike (NAI/Latter & Blum Realtor) on December 30, 2008. Mr. Pike informed QRI that the present owner had no knowledge pertaining to the questions posed (see ***Appendix A***).

3.5 Current Uses of the Property

The subject property located at 1305 Myrtle Walk is the location of the historic Lincoln Theater, but is not in operation at this time (see ***Appendix H, Photos 1-2***). The Lincoln Barbershop is also located on this property, but is not in operation at this time (see ***Appendix H, Photos 9 & 18***).

3.6 Past Uses of the Property

Built in 1950, the Lincoln Theater was a state-of-the-art facility offering centralized air conditioning, stereophonic sound, and stadium seating (in the balcony). It can seat up to 950, including balcony, but had a maximum capacity of about 750 for movies. The building also includes a snack bar for the theater, various office spaces, and a barber shop which is no longer in use.

3.7 Current and Past Uses of Adjoining Properties

The subject property is bordered to the North by New Southside Funeral Home (see ***Appendix H, Photos 23-25***), to the South by Myrtle Street, to the East by residential property and to the West by Eddie Robinson Sr. Drive (see ***Appendix H, Photo 19***).

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources, Federal and State

QRI researched federal and state environmental databases for any information pertaining to the subject property and any other sites or facilities within a one-eighth-mile to one-mile radius of the subject property. The radius of the search was based upon the ASTM standard and encompassed the entire property. Listed in the following sections are portions of the federal and state search results for the subject property. A complete listing of the data generated by the database search is found in ***Appendix B***.

4.1.1 Federal Databases

4.1.1.1 National Priorities List (NPL)

The NPL Report, also known as the Superfund List, is a United States Environmental Protection Agency (USEPA) listing of uncontrolled or abandoned hazardous waste sites. The list is primarily based upon a score that the site receives from the USEPA's Hazardous Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Act of 1980.

No NPL sites were identified within the specified search radius of the subject property.

4.1.1.2 Delisted National Priorities List (Delisted NPL)

The National Oil and Hazardous Substances Pollution Contingency Plan establishes the criteria that the USEPA uses to delete sites from the NPL. In accordance with 40 Code of Federal

Register 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

No Delisted NPL sites were identified within the specified search radius of the subject property.

4.1.1.3 Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS)

The CERCLIS Database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the USEPA for the release, or threatened release of hazardous substances. Once a site enters CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the NPL.

No CERCLIS database sites were identified within the specified search radius of the subject property.

4.1.1.4 No Further Remedial Action Planned (CERCLIS – NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from the CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. The USEPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so the USEPA does not needlessly repeat the investigation in the future. This policy change is part of the USEPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

No CERCLIS-NFRAP database sites were identified within the specified search radius of the subject property

4.1.1.5 Corrective Action Report (CORRACTS)

CORRACTS identifies hazardous waste handlers with Resource Conservation Recovery Act (RCRA) corrective action activity.

No CORRACTS sites were identified within the specified search radius of the subject property.

4.1.1.6 Resource Conservation and Recovery Information System-Treatment, Storage, and Disposal Facilities (RCRIS TSD)

The USEPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA facilities database is a compilation by the USEPA of facilities that report generation, storage, transportation, and treatment or disposal of hazardous waste.

No RCRIS TSD sites were identified within the specified search radius of the subject property.

4.1.1.7 Resource Conservation and Recovery Information System (RCRIS) - Generators List

The USEPA RCRIS database tracks the status of registration, permits, reports, inspections, enforcement activities, and financial data of large quantity generators (LQG) and small quantity generators (SQG) regulated under RCRA.

No RCRIS-LQG sites were identified within the specified search radius of the subject property.

No RCRIS-SQG sites were identified within the specified search radius of the subject property.

4.1.1.8 Emergency Response Notification System (ERNS)

The ERNS is a national computer database and retrieval system used to store information on releases of oil and hazardous substances. The ERNS consists of release notifications submitted to the National Response Center of the United States Coast Guard since 1987. The system contains preliminary information on specific releases, including the reported discharges, date of release, material released, cause of release, incident location, response actions taken, authorities notified, and affected environmental medium.

No ERNS records were identified for the subject property.

4.1.2 Louisiana Department of Environmental Quality Databases

4.1.2.1 State Hazardous Waste Sites (SHWS)

The LDEQ maintains a state equivalent CERCLIS list (SCL) database in its Inactive and Abandoned Site Division of known or suspected uncontrolled or abandoned hazardous waste sites in the State of Louisiana.

A review of the SHWS database revealed two (2) sites identified within the specified search radius of the subject property.

SITE NAME	SITE LOCATION
Baton Rouge Gas Works	Laurel ST / N 12th ST
Gilmar Marine Services Inc.	1500 River RD

4.1.2.2 State Recycling Directory (SWRCY)

The Louisiana Department of Environmental Quality compiles a list of service providers properly disposing of and recycling various commodities.

A review of the SWRCY list revealed one (1) site identified within the specified search radius of the subject property.

SITE NAME	SITE LOCATION	Direction/Distance
Battery Clinic	970 Government Street	NW 0.431 mi

4.1.2.3 Underground Storage Tanks (UST)

The LDEQ's UST Division maintains a database for USTs in Louisiana. The database includes information such as tank identification number, owner, installation date, age, closure date, status, contents, capacity, material of construction, and location.

A review of the UST database revealed one (1) site identified within the specified search radius of the subject property.

SITE NAME	Status of UST	SITE LOCATION
Williams Electric Co	Active	945 S 13th Street

No outstanding violations exist at the site.

4.1.2.4 Leaking Underground Storage Tanks (LUST)

The LDEQ's UST Division maintains a database for LUST in Louisiana. The database is a comprehensive listing of all reported active and remediated leaking underground storage tank cases within the State of Louisiana.

A review of the LUST database revealed two (2) sites identified within the specified search radius of the subject property.

SITE NAME	SITE LOCATION	Direction/Distance
Government St Service Center	1509 Government St	NNE 0.394 mi
Butler's Gas Station	1776 Thomas Delpit Dr.	SSW 0.481 mi

No outstanding violations exist at the sites.

4.1.3 Federal ASTM Supplemental Databases

4.1.3.1 Superfund (CERCLA) Consent Decrees (CONSENT)

CONSENT is major legal settlements that establish responsibility and standards for cleanup at NPL sites. Settlements are released periodically by the United States District Courts after settlement by parties to litigation matters.

No CONSENT sites were identified within the specified search radius.

4.1.3.2 Records of Decision (ROD)

ROD documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.

No ROD sites were identified within the specified search radius of the subject property.

4.1.3.3 Facility Index System/Facility Identification Initiative Program Summary Report (FINDS)

FINDS contains both facility information and "pointers" to other sources that contain more detail. Environmental Data Resources (EDR) includes the following FINDS databases in this report: Permit Compliance System, Aerometric Information Retrieval System, Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes, Federal Underground Injection Control, Criminal Docket System used to track criminal enforcement actions for all environmental statutes, Federal Facilities Information System, State Environmental Laws and Statutes, and Polychlorinated biphenyls Activity Data System.

No FINDS sites were identified within the specified search radius of the subject property.

4.1.3.4 Hazardous Materials Information Reporting System (HMIRS)

HMIRS contains hazardous material spill incidents reported to the Department of Transportation.

No HMIRS sites were identified on the subject property.

4.1.3.5 Material Licensing Tracking System (MLTS)

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites that possess or use radioactive materials and which are subject to NRC licensing requirements.

No MLTS sites were identified on the subject property.

4.1.3.6 Mines Master Index File (MINES)

MINES is maintained by the Department of Labor, Mine Safety, and Health Administration.

No MINES sites were identified within the specified search radius.

4.1.3.7 Federal Superfund Liens (NPL Liens)

Under the authority granted the USEPA by the CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. The USEPA compiles a listing of filed notices of Superfund Liens.

No NPL Liens sites were identified on the subject property.

4.1.3.8 Resource Conservation and Recovery Act – Non-Generators (RCRA-NonGen) - RCRAInfo

RCRAInfo is EPA's comprehensive information system, providing access to data supporting RCRA and HSWA. The data base includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery (RCRA) Act. Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list has revealed that there is 1 RCRA-NonGen site within the specified search radius of the subject property

SITE NAME	SITE LOCATION	Direction/Distance
Errands Air Express	956 S 15th Street	ENE 0.131 mi

4.1.3.9 Toxic Chemical Release Inventory System (TRIS)

TRIS identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under Superfund Amendments and Reauthorization Act Title III Section 313.

No TRIS sites were identified on the subject property.

4.1.3.10 Toxic Substances Control Act (TSCA)

TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

No TSCA sites were identified within the specified search distance.

4.1.4 EDR Proprietary Records

4.1.4.1 Manufactured Gas Plant Database

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

SITE NAME	SITE LOCATION	Direction/Distance
Baton Rouge Gas Works	Laurel Street	N 0.865 mi

4.2 Physical Setting Sources

The site and the surrounding vicinity are located at approximately 53 feet above mean sea level, as interpreted from the USGS 7.5 Minute Topographic Map Series "30091-D2 BATON ROUGE WEST, LA" dated 1995, Topographic Map (***Appendix D***).

According to the United States Department of Agriculture Soil Conservation Service, Commerce soils are present on the site and the soil surface texture at the subject property is silty silt loam. The hydrologic group is Class B, which indicates moderate infiltration rates. The existing soils contain deep and moderately deep, moderately well and well drained soils with moderately coarse textures. The soil drainage class is well drained. The soils have intermediate water holding capacity. The depth to water table is estimated to be more than 6 feet.

EDR searched a one-mile radius for water wells, including the water supply system.

Forty-six water wells were identified on the Federal USGS Database.

USGS Well ID	Location from Target Property
USGS2493737	0 - 1/8 Mile West
USGS2493736	0 - 1/8 Mile West
USGS2493738	0 - 1/8 Mile West
USGS2493734	0 - 1/8 Mile West
USGS2493735	0 - 1/8 Mile West
USGS2493729	0 - 1/8 Mile SE
USGS2493726	1/8 - 1/4 Mile SE
USGS2493740	1/8 - 1/4 Mile West
USGS2493741	1/8 - 1/4 Mile West
USGS2493742	1/8 - 1/4 Mile West
USGS2493761	1/4 - 1/2 Mile NNE
USGS2493717	1/4 - 1/2 Mile ESE
USGS2493772	1/2 - 1 Mile NNE
USGS2493878	1/2 - 1 Mile WSW
USGS2493782	1/2 - 1 Mile NNE
USGS2493877	1/2 - 1 Mile ESE
USGS2493875	1/2 - 1 Mile ESE
USGS2493642	1/2 - 1 Mile North
USGS2493644	1/2 - 1 Mile North
USGS2493643	1/2 - 1 Mile North
USGS2493865	1/2 - 1 Mile WSW
USGS2493651	1/2 - 1 Mile North
USGS2493645	1/2 - 1 Mile NNE
USGS2493650	1/2 - 1 Mile NNE
USGS2493646	1/2 - 1 Mile NNE
USGS2493647	1/2 - 1 Mile NNE
USGS2493653	1/2 - 1 Mile NNE
USGS2493654	1/2 - 1 Mile NNE
USGS2493832	1/2 - 1 Mile SSE
USGS2493652	1/2 - 1 Mile NNE
USGS2493658	1/2 - 1 Mile North
USGS2493659	1/2 - 1 Mile NNW
USGS2493661	1/2 - 1 Mile North
USGS2493660	1/2 - 1 Mile North
USGS2493762	1/2 - 1 Mile WNW
USGS2493763	1/2 - 1 Mile WNW
USGS2493764	1/2 - 1 Mile WNW
USGS2493641	1/2 - 1 Mile NE
USGS2493670	1/2 - 1 Mile North
USGS2493822	1/2 - 1 Mile SSW
USGS2493657	1/2 - 1 Mile NNW
USGS2493853	1/2 - 1 Mile WSW
USGS2493771	1/2 - 1 Mile WNW
USGS2493770	1/2 - 1 Mile WNW
USGS2493820	1/2 - 1 Mile SSE
USGS2493821	1/2 - 1 Mile SSE

One well was identified in the Federal FRDS Public Water Supply Database.

Federal FRDS Well ID	Location from Target Property
LA1033005	1/2 - 1 Mile North

Two wells were identified in the State Well Database.

State Database Well ID	Location from Target Property
1033005008	1/2 - 1 Mile North
1033005007	1/2 - 1 Mile North

4.3 Historical Use Information

4.3.1. Aerial Photographs

QRI reviewed four (4) aerial photographs with coverage of the subject property. The aerial photographs reviewed were dated 1962, 1978, 1998 and 2005. ***Appendix C*** contains copies of the aerial photographs.

The 1962 aerial photograph indicates developed land with the existence of fairly dense commercial surrounding properties. Myrtle Walk and 13th Street are shown as they exist today.

The 1978 aerial photograph shows the addition of the I-10 Interstate.

The 1998 and 2005 aerial photographs show no changes of note to the area. The area remains as it is today.

4.3.2 Historical Topographic Maps

Historical topographic maps dated 1908, 1963, 1971, 1980, 1989, 1992 and 1995 were obtained through EDR, and are provided in ***Appendix D***. The 1908 map indicates the existence of streets in the vicinity of the subject property as well as buildings / structures. The 1963 maps (7.5 and 15 minute quadrangle) indicate the existence of Myrtle and 13th Streets as well as buildings / structures. The 1971 map indicates the addition of the I-10 Interstate with no further changes in the vicinity of the subject property. 1980 – 1995 topographic maps indicate no further changes.

4.3.3 Fire Insurance Maps

A search for fire insurance maps for the property and surrounding area was conducted by EDR. Six (6) fire insurance maps were available for

the property. Copies of the maps are included in ***Appendix E.***

4.3.4 City Directory Abstract

A search for city directory documentation to evaluate potential liability on the property and surrounding areas was conducted by EDR. A copy of the Abstract is included in ***Appendix F.***

4.3.5 Owner Questionnaire

QRI provided a five-page questionnaire to Mr. Chris Pike (NAI/Latter & Blum Realtor) on December 30, 2008. Mr. Pike informed QRI that the present owner had no knowledge pertaining to the questions posed (see ***Appendix A***).

5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

QRI personnel conducted an inspection of the subject property on December 31, 2008 and February 9, 2009. The purpose of the inspection was to observe whether any visible areas of environmental concern were evident at the subject property. Items observed during the December 31, 2008, site inspection include:

- The Lincoln Theater and snack bar.
- The Lincoln Barber Shop.
- Office space located within the building located at 1305 Myrtle Walk.
- Storage rooms and Bathrooms.

Visible areas of environmental concern evident at the subject properties included possible asbestos containing flooring materials and possible lead paint. Results from the testing of these materials can be found in ***Appendix H***. Additionally, water damage and possible mold were observed within the theater and back stairwell due to roof damage (see ***Appendix G, photos 22 & 61-66***). Adjacent properties were observed to determine the likelihood of the migration of hazardous substances or petroleum products onto the subject property. Adjacent properties observed during the December 31, 2008, site inspection include:

- An adjoining lot (east side of 1305 Myrtle Walk),
- Funeral Home and storage building (924 S. 14th Street / Eddie Robinson Sr. Ave),
- A fenced area adjacent to the subject property containing power supply and AC units,
- Corner of Myrtle Avenue and Eddie Robinson Sr. Drive

5.1 General Site Conditions

Surface Observations

The subject property is a 60'x120' commercial tract (current address of the Lincoln Theater). The site is a corner lot which is bordered by Myrtle Walk and Eddie Robinson

Sr. Drive (13th Street). Improvements on the property include the Lincoln Theater which occupies roughly 5,600 square feet of space in the building, 1,400 square feet of office space and more than 1,000 feet of commercial shop space including the Lincoln Barbershop. An adjacent lot contains a small storage building (see ***Figure 2***).).

6.0 NON-ASTM INVESTIGATION ITEMS

6.1 Suspect Asbestos-Containing Material (ACM)

A limited visual asbestos inspection of the property was conducted during the site reconnaissance on December 31, 2008. ACM suspect areas included flooring materials on the theater stage and 2nd floor hallway. The wall and ceiling acoustical material within the theater was also identified as possible ACM.

Due to the time frame the building was constructed and no available paperwork on previous remodels that have been performed, QRI recommended that an asbestos inspection by a state certified inspector take place. The asbestos inspection and sampling was conducted by Advanced Environmental Consulting LLC on February 9, 2009 in accordance with the sampling provisions in LAC Title 33 Part III Chapter 27 and/or 51. Results from the sampling event can be found in ***Appendix H***.

6.2 Lead-Based Paint & Lead in Drinking Water

A limited visual inspection for lead-based paint was conducted by QRI during the site reconnaissance on December 31, 2008. The most evident suspect area for lead-based paint was found in the first office on the 2nd floor (see ***Appendix G, photos 69-70***). Based on the findings of QRI's visual inspection, Advanced Environmental Consulting LLC conducted a Lead-Based Paint Survey to identify the presence of lead-based paint in conformance with the Louisiana Department of Environmental Quality regulations (LAC 33: III. Chapter 28) on February 9, 2009 (see ***Appendix G, photo 77***). Additionally, a lead in drinking water survey was conducted to determine if there was lead present within the fixtures and or water lines within the facility in conformance with EPA's *Lead in Drinking Water in Schools and Non-Residential Buildings* document. Water samples were taken from the water fountain inside the Lincoln Barber Shop and from the sink in the Theater's snack bar (see ***Appendix G, photos 15 & 78***). Results from the lead survey and the sampling event can be found in ***Appendix H***.

7.0 FINDINGS

QRI performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard Practice E-1527-05 on the subject property located in Baton Rouge, East Baton Rouge Parish, Louisiana. Additionally, an asbestos, lead-based paint and lead in drinking water inspection was conducted by Advanced Environmental Consulting, Inc.

This assessment has not revealed evidence of recognized environmental conditions in connection with the subject property. The term *recognized environmental conditions* means the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release,

or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface of the property. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

As a result of this Phase I ESA, QRI recommends no further action be taken at this property for all items in conformance with the scope and limitations of the ASTM Standard Practice E-1527-05. However, in reference to the asbestos, lead-based paint and lead in drinking water concerns, QRI makes the following recommendations based on the Advanced Environmental Consulting report dated February 18, 2009:

Material that tested positive for asbestos content of greater than one percent was limited to the 9 inch floor tile and mastic that is located on the second floor office spaces. Where these materials appear to be in good condition and are not disturbed, they should not pose an environmental hazard. Where the mastic is encapsulated by the floor tile, it should not pose a hazard. If these materials are to be disturbed by renovation or demolition, they should be removed prior to the renovation or demolition by an asbestos abatement contractor licensed by the State of Louisiana Contractor's Licensing Board.

The areas that tested positive for lead based paint were in good condition at the time of testing and as such do not pose an environmental hazard.

Fixtures in the structure which feed potable water outlets should be replaced to newer - no lead - fixtures. As a precaution, in those sinks utilized for potable purposes the water should be allowed to run freely for three to four minutes each morning in order to flush the system.

Though not requested in the scope of this investigation, water stains, standing water and stains indicating mold intrusion were observed and photographed on the theater ceiling and walls and on the second floor of the said property. In addition, roof and gutter damage from a fallen tree was documented on a rear corner of the building. Roof damage will have to be repaired and all sources of water intrusion eliminated before mold remediation can be addressed. The services of a licensed mold remediation inspector and contractor may be required for remediation.

8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

Fonda Lindfors New

Fonda Lindfors
Principal Geologist

Kay S. Nall

Kay S. Nall
Project Manager

9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Fonda Lindfors New has over twenty years of experience in the environmental field. She has extensive experience in environmental site assessments, stratigraphy, radiocarbon dating, groundwater and surface water. Ms. New has performed hundreds of site assessments dealing with a wide variety of property types and environmental conditions. Ms. New has a Bachelor of Science degree in Geology.

Kay S. Nall has 20 years of experience in environmental consulting, project management, aquatic toxicology, environmental analyses, and laboratory quality assurance / quality assessment. Ms. Nall has participated in numerous Phase I Environmental Site Assessments.

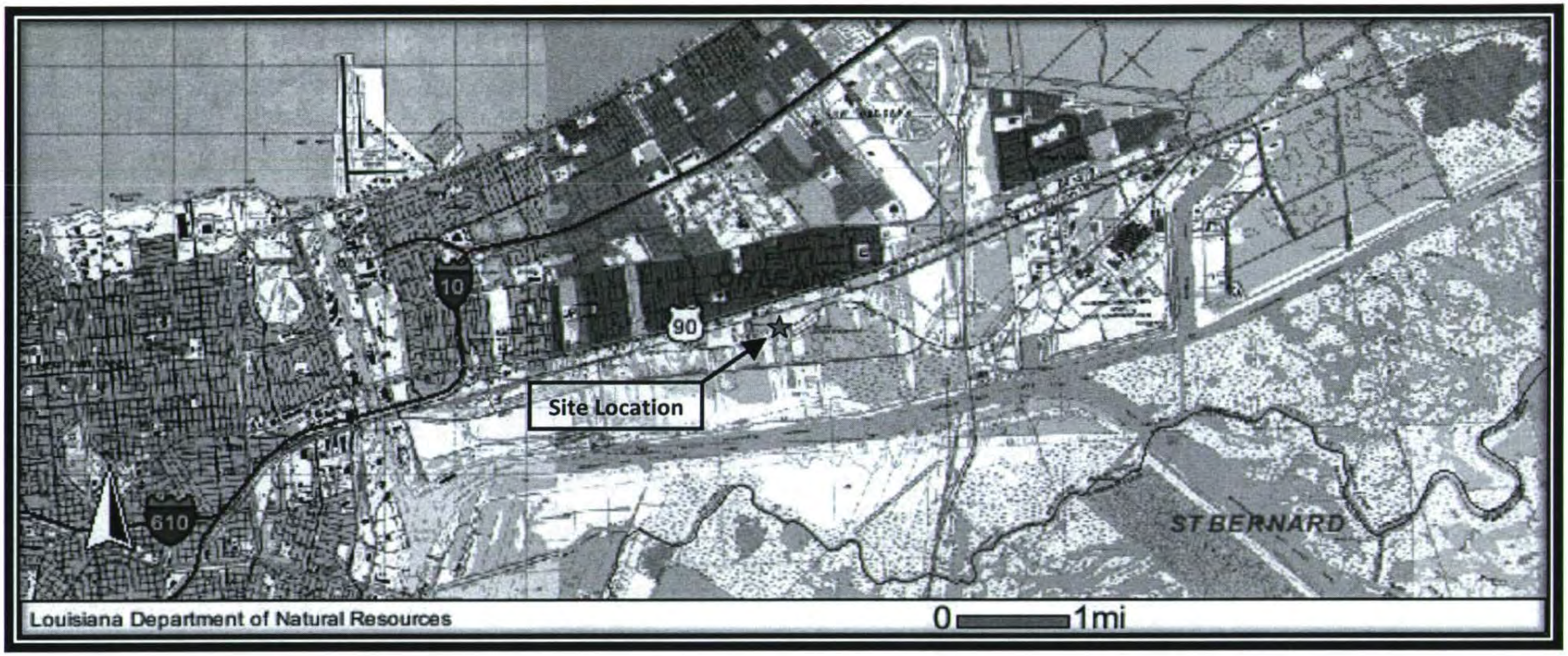

Figure 1: Site Vicinity Map, City Auto Wrecker, 10123 Old Gentilly Road, New Orleans, LA

FIGURE 2

SITE SKETCH
(FIRST FLOOR AND SECOND FLOOR)

APPENDICES

APPENDIX A

USER PROVIDED DOCUMENTS
&
PHASE I ESA OWNER QUESTIONNAIRE

From: Chris Pike [mailto:pike@latterblum.com]
Sent: Tuesday, December 30, 2008 1:05 PM
To: Cheryl Wells
Cc: 'Morgan Watson'
Subject: RE: Phase I for Lincoln Theater

Cheryl – thanks for the email. Attached is the questionnaire filled out. The owner doesn't have any knowledge of anything contained in the questionnaire. The owner has never occupied the building and has only visited it a couple of times. If you have any other questions, please call or email. Thanks for your work!

Chris Pike
NAI/Latter & Blum
10455 Jefferson Hwy Suite 200
Baton Rouge, LA 70809
225-295-0800 Main
225-297-7819 Direct
225-295-0888 Fax
225-279-3160 Cell

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From: Cheryl Wells [mailto:cwel@qri.com]
Sent: Tuesday, December 30, 2008 12:24 PM
To: pike@latterblum.com
Cc: Cheryl Wells; Morgan Watson
Subject: Phase I for Lincoln Theater

Mr. Pike,

As stated in the voice mail I left for you earlier, my firm has been retained by MEL, Inc. to perform a Phase I Environmental Assessment on the Lincoln Theater property. Attached please find a questionnaire regarding the history and environmental conditions of the property. Please have the current owner, or a representative of the owner with knowledge of the property, complete and sign the questionnaire and return it to me via e-mail cwel@qri.com or fax at 292-1404. If neither of those options is convenient, I would be happy to send a courier to pick up the completed and signed questionnaire at your office. Please call me if you have any questions or need additional information regarding the questionnaire. We would appreciate your response no later than Monday, January 5th as we have been advised that there is a short timeline for completing our assessment. Thank you very much for your assistance.

Regards,

Cheryl Wells
Operations Manager
Quaternary Resource Investigations, L.L.C.
US SBA 8(a) / US SBA SDB / US WBE / LA DBE / Houston W/DBE / DFW W/DBE
Baton Rouge • Houston • Dallas
Government & Industry in Harmony with the Environment
13588 Florida Blvd.
Baton Rouge, LA 70819
Phone: 225.292.1400
Fax: 225.292.1404
Toll-free: 800.889.5378
Webste: http://www.qri.com

MEL, Inc.
Lincoln Theater
1305 Myrtle Street, Baton Rouge, LA 70802
Environmental Site Assessment
Phase I – Questionnaire

1a. Is the property used for an industrial use?

Not to our knowledge

1b. Is any adjoining property used for an industrial use?

Not to our knowledge

2a. Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?

No

2b. Did you observe evidence or do you have any prior knowledge that any adjoining property has been used for an industrial use in the past?

No

3a. Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identity which)?

No

3b. Is any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identity which)?

No knowledge

4a. Did you observe evidence or do you have any prior knowledge that the property has been used as a gasoline station, motor repair facility commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?

No

4b. Did you observe evidence or do you have any prior knowledge that any adjoining property has been used as a gasoline station, motor repair facility commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?

No

5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?

Not to our knowledge

5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?

No

6a. Are there currently any industrial drums [typically 55 gal (208 L)] or sacks of chemicals located on the property or at the facility?

No knowledge

6b. Did you observe evidence or do you have any prior knowledge that there have been previously any industrial drums [typically 55 gal (208 L)] or sacks of chemicals located on the property or at the facility?

No

7a. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site?

No

7b. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that is of an unknown origin?

No

8a. Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

No

8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

No

9a. Is there currently any stained soil on the property?

Not to our knowledge

9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the property?

No

10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the property?

Not to our knowledge

10b. Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the property?

No

11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

Not to our knowledge

11b. Did you observe evidence or do you have any knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

No

12a. Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring drains, walls, ceilings, or exposed grounds on the property?

Not to our knowledge

12b. Did you observe evidence or do you have any prior knowledge of leaks, spills or staining by substances other than water, or foul odors, associated with any flooring drains, walls, ceilings, or exposed grounds on the property?

No

13a. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?

No knowledge

13b. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?

No knowledge

14. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

No knowledge

15a. Has the owner or occupant of the property been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?

No knowledge

15b. Has the owner or occupant of the property been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?

No knowledge

15c. Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the property or any facility located on the property?

No knowledge

15d. Has the owner or occupant of the property been informed of the current existence of environmental violations with respect to the property or any facility located on the property?

No knowledge

16. Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property recommended further assessment of the property?

No knowledge

17. Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

No knowledge

18a. Does the property discharge waste water (not including sanitary waste or storm water) onto or adjacent to the property and/or into a storm water system?

No knowledge

18b. Does the property discharge waste water (not including sanitary waste or storm water) onto or adjacent to the property and/or into a sanitary sewer system?

No knowledge

19. Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property?

No knowledge

20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's?

No knowledge

Date: 12-30-08

Signature: [signature]

(Property Owner or Representative)

Chris Pike
Agent for Owner

Date: _____

Signature: _____

(QRI, LLC Representative)

APPENDIX B

REGULATORY DATABASE SEARCH

Lincoln Theater
1305 Myrtle Walk
Baton Rouge, LA 70802

Inquiry Number: 2391074.2s
December 31, 2008

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

FORM-STD-SAL

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1305 MYRTLE WALK
BATON ROUGE, LA 70802

COORDINATES

Latitude (North):	30.438420 - 30' 26' 18.3"
Longitude (West):	91.175380 - 91' 10' 31.4"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	675219.8
UTM Y (Meters):	3368599.5
Elevation:	53 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	30091-D2 BATON ROUGE WEST, LA
Most Recent Revision:	1995

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
CORRACTS..... Corrective Action Report
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators

EXECUTIVE SUMMARY

RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing

STATE AND LOCAL RECORDS

SWF/LF	Landfill List
DEBRIS	LDEQ Approved Debris Sites
AUL	Conveyance Notice Listing
LUST	Leaking Underground Storage Tanks
LIENS	Environmental Liens
SPILLS	Emergency Response Section Incidents
VCP	Voluntary Remediation Program Sites
DRYCLEANERS	Drycleaner Facility Listing
NPDES	LPDES Permits Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land
INDIAN VCP	Voluntary Cleanup Priority Listing

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ERRANDS AIR EXPRESS	***956 S 15TH ST***	***ENE 1/8 - 1/4 (0.131 mi.)***	***2***	***6***

STATE AND LOCAL RECORDS

SHWS: Potential and Confirmed Sites List

A review of the SHWS list, as provided by EDR, and dated 11/06/2008 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BATON ROUGE GAS WORKS	LAUREL ST / N 12TH ST	N 1/2 - 1 (0.856 mi.)	6	12
GILMAR MARINE SERVICES INC	1500 RIVER RD	WSW 1/2 - 1 (0.959 mi.)	8	13

SWRCY: Recycling Directory of the Department of Environmental Quality.

A review of the SWRCY list, as provided by EDR, and dated 10/01/2008 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BATTERY CLINIC	970 GOVERNMENT STREET	NW 1/4 - 1/2 (0.431 mi.)	4	10

EXECUTIVE SUMMARY

HIST LUST: Department of Environmental Quality's Underground Storage Tank Case History Incidents database.

A review of the HIST LUST list, as provided by EDR, and dated 11/01/1999 has revealed that there are 2 HIST LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOVERNMENT ST. SERVICE CENTER	1509 GOVERNMENT ST	NNE 1/4 - 1/2 (0.394 mi.)	3	8

Lower Elevation	Address	Direction / Distance	Map ID	Page
BUTLER'S GAS STATION	1776 THOMAS DELPIT DR.	SSW 1/4 - 1/2 (0.481 mi.)	5	10

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Louisiana Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 08/18/2008 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILLIAMS ELECTRIC CO	945 S 13TH ST	N 0 - 1/8 (0.049 mi.)	1	6

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

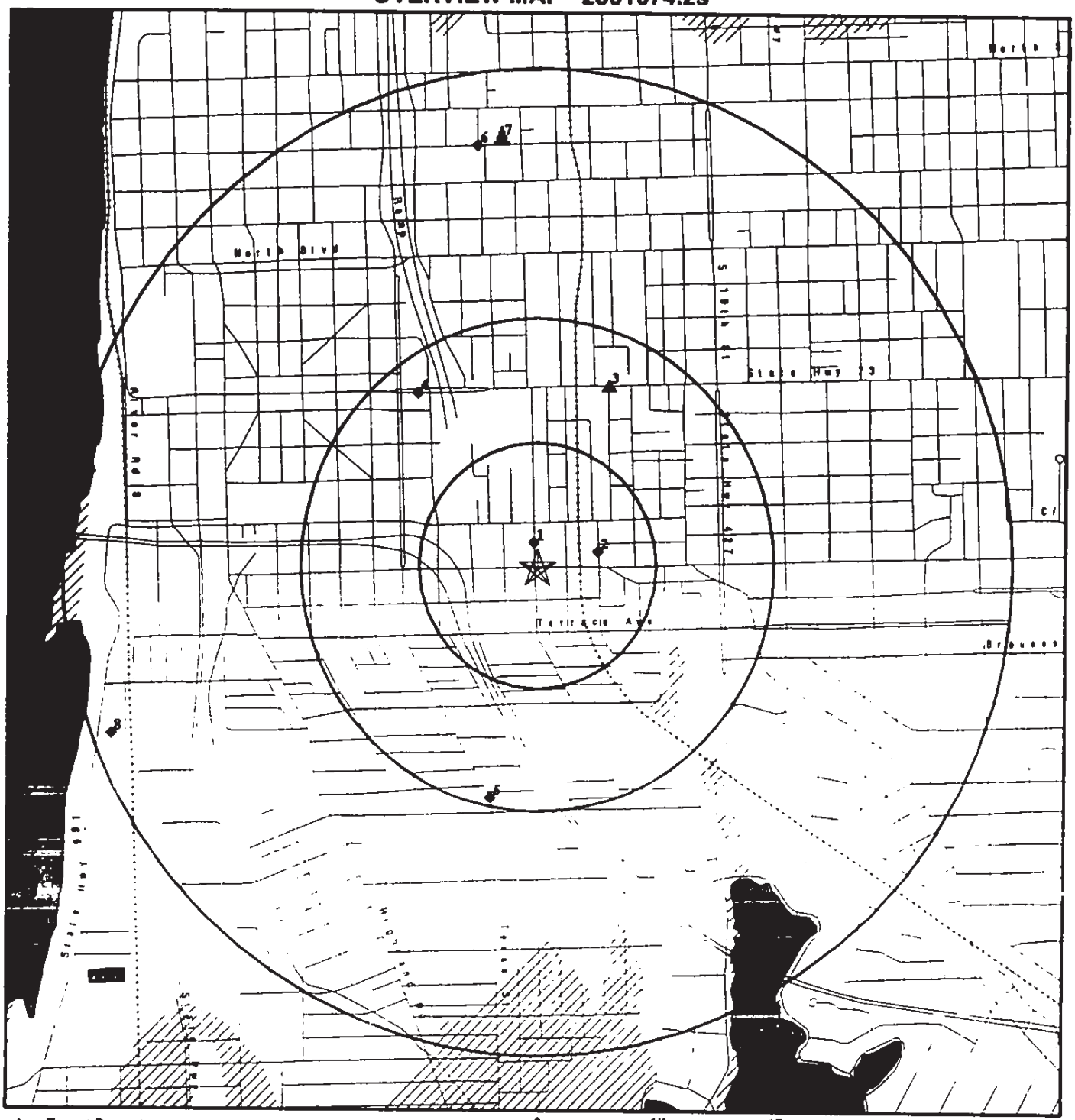
Lower Elevation	Address	Direction / Distance	Map ID	Page
BATON ROUGE GAS WORKS	LAUREL STREET	N 1/2 - 1 (0.865 mi.)	7	12

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SANFIL LAND RECLAMATION	SHWS
CHEVRON USA BATON ROUGE PLANT	SHWS
DEVILS SWAMP	SHWS
RONALD A. COCO INC.	SHWS
BEHIND SWINE PALACE THEATER ON LSU CAMPUS	SPILLS
MALL OF LA BY MOVIE THEATER	SPILLS
CIRCLE K #8057	SPILLS, UST, HIST LUST
EXXON CO USA #5-1052	UST, AUL
NORTH 10TH STREET DRUMS	CERCLIS
CAPITOL LAKE	CERC-NFRAP
BATON ROUGE BARGE TERMINAL	UST, HIST LUST
JET 24 FOOD STORE #42	HIST LUST
WHITNEY BANK BOCAGE SITE	VCP

OVERVIEW MAP - 2391074.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Lincoln Theater	CLIENT: Quaternary Resource Invest.LLC
ADDRESS: 1305 Myrtle Walk Baton Rouge LA 70802	CONTACT: Kay Nall
LAT/LONG: 30.4384 / 91.1754	INQUIRY #: 2391074.2s
	DATE: December 31, 2008 7:24 am

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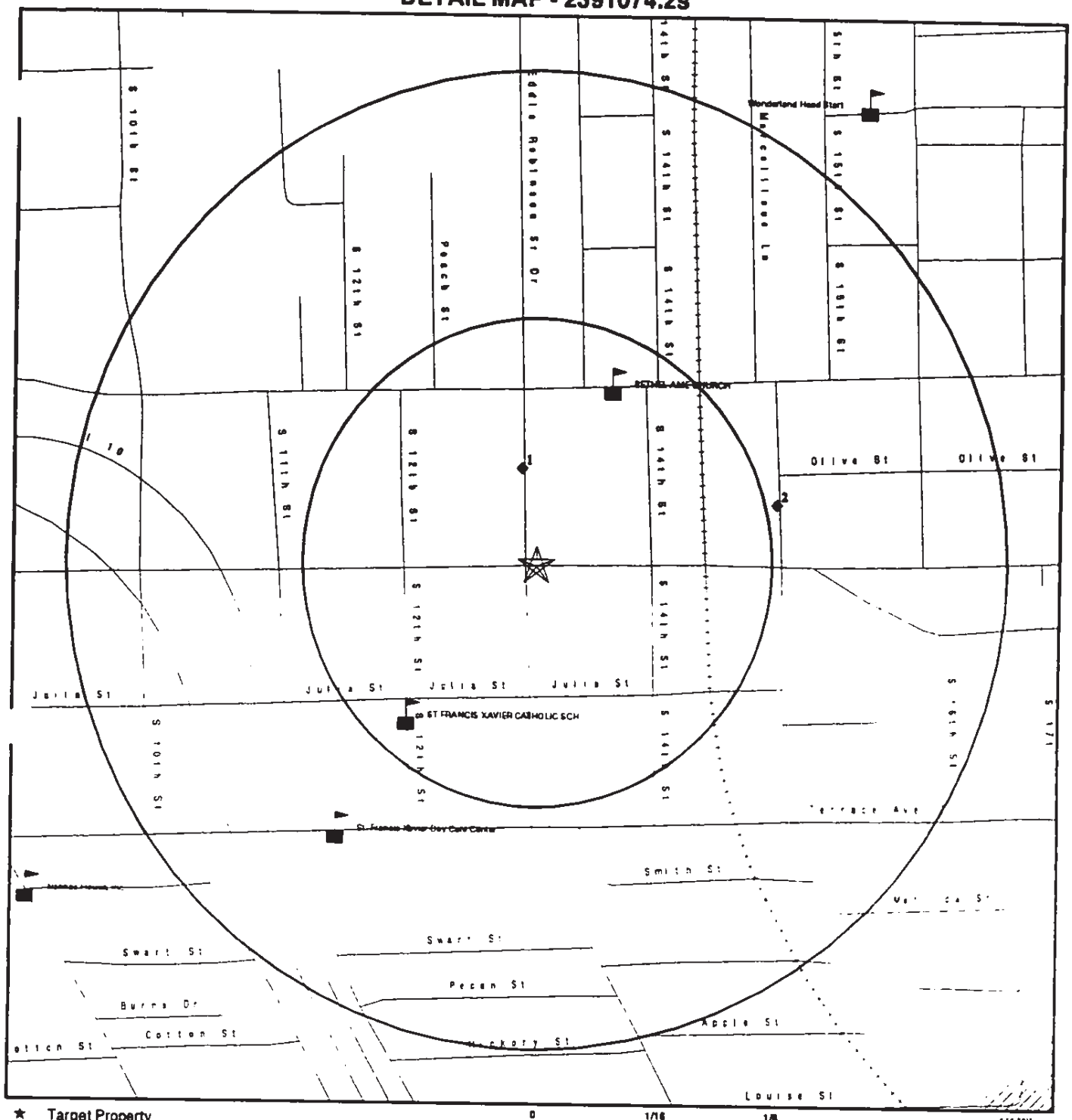
DETAIL MAP - 2391074.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

0 1/16 1/8 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Lincoln Theater ADDRESS: 1305 Myrtle Walk Baton Rouge LA 70802 LAT/LONG: 30.4384 / 91.1754	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kay Nall INQUIRY #: 2391074.2s DATE: December 31, 2008 7:24 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	0	1	NR	NR	NR	1
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
SHWS		1.000	0	0	0	2	NR	2
SWF/LF		0.500	0	0	0	NR	NR	0
DEBRIS		0.500	0	0	0	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SWRCY		0.500	0	0	1	NR	NR	1
LUST		0.500	0	0	0	NR	NR	0
HIST LUST		0.500	0	0	2	NR	NR	2
UST		0.250	1	0	NR	NR	NR	1
LIENS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	1	NR	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
North
< 1/8
0.049 mi.
259 ft.

WILLIAMS ELECTRIC CO
945 S 13TH ST
BATON ROUGE, LA 70802

UST **U000876557**
N/A

Relative:
Lower

Actual:
52 ft.

UST:

Facility County Code:	33
Master Agency Id:	68780
Subject Category Code:	EQT
Subject Item ID:	1
UST Tank Num:	38852
Tank Status:	**Active**
Install Date:	1-Jun-57
Status Date:	9-Sep-91
Total Capacity:	550
Number Of Compartments:	1
Gasoline Flag:	Yes
Diesal Flag:	Not reported
Gashol Flag:	Not reported
Kerosen Flag:	Not reported
Heating Oil Flag:	Not reported
New Used Oil Flag:	Not reported
Other Sub:	Not reported
Other Description:	Not reported
Steel Tank Covered With Asphalt:	Yes
Cathodically Protected:	Not reported
Epoxy Coated Tank:	Not reported
A Composite Of Different Materials:	Not reported
Fiberglass Or Plastic:	Not reported
Interior Line With Some Material:	Not reported
Dble Wall As Opposed To Single Wall:	Not reported
Outside Lined w/ Polyethylen Jacket:	Not reported
Made Of Concrete:	Not reported
Liner Covering Excavation Hole:	Not reported
Unknown:	Not reported
Other Material:	Not reported
Other Description:	Not reported
Pipe Method Desc:	Suction: With Release Detection

2
ENE
1/8-1/4
0.131 mi.
691 ft.

ERRANDS AIR EXPRESS
956 S 15TH ST
BATON ROUGE, LA 70802

FINDS **1000152129**
RCRA-NonGen **LAD146467683**

Relative:
Lower

Actual:
52 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

ERRANDS AIR EXPRESS (Continued) **1000152129**

Date form received by agency: 04/13/1987
Facility name: ERRANDS AIR EXPRESS
Facility address: 956 S 15TH ST
BATON ROUGE, LA 70802
EPA ID: LAD146467683
Mailing address: S 15TH ST
BATON ROUGE, LA 70802
Contact: JOE NORRIS
Contact address: 956 S 15TH ST
BATON ROUGE, LA 70802
Contact country: US
Contact telephone: (225) 334-0347
Contact email: Not reported
EPA Region: 06
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JOE NORRIS
Owner/operator address: 956 S 15TH ST
BATON ROUGE, LA 70802
Owner/operator country: Not reported
Owner/operator telephone: (000) 000-0000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

ERRANDS AIR EXPRESS (Continued) **1000152129**

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	07/14/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

---

3 NNE 1/4-1/2 0.394 mi. 2081 ft. | **GOVERNMENT ST. SERVICE CENTER** | **HIST LUST** | **S106033777** **N/A**
1509 GOVERNMENT ST
BATON ROUGE, LA 70802

Relative: Higher

Actual: 55 ft.

HIST LUST:

Facility ID:	17-004624
Facility Parish:	EAST BATON ROUGE
Substance Name:	GASOLINE
Substance Name 2:	Not reported
Quantity:	20-30 GAL
Quantity 2:	Not reported
Date Confirmed:	09/28/1993
Date Confirmed 2:	Not reported
Incident Number:	93-2-0242
Incident Date:	09/28/1993
Type of Incident:	UST LEAK
Type of Incident No2:	Not reported
Reported By:	JOHN KNIPPA
Reported By 2:	Not reported
Owner ID:	00122200
Owner Name:	G. S. U./ENVIRONMENTAL AFFAIRS
Owner Address:	P.O. BOX 2951
Owner City,St,Zip:	BEAUMONT, TX 77704
Assessment Pending Info:	No
Assessment Request Date:	Not reported
Assessment Plan Due Date:	Not reported
Assessment Plan Received Date:	Not reported
Assessment Approved Date:	Not reported
Assessment Contractor:	Not reported
Assess Date Add Info Due:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due2:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due3:	Not reported
Corrective Plan Due Date:	Not reported
Corrective Plan Received Date:	Not reported
Corrective Plan Approved Date:	Not reported
Corr Act Date Add Info Due:	Not reported
Corr Act Date Add Info Recd:	Not reported
Corr Act Date Add Info Due2:	Not reported
Corr Act Date Add Info Recd2:	Not reported
Corr Act Date Add Info Due3:	Not reported
Remediation Method:	Not reported
Remediation Date:	Not reported
Remediation Terminated Date:	Not reported

LA HIST LUST INCIDENT:

Comments: Not reported

GOVERNMENT ST. SERVICE CENTER (Continued) **S106033777**

LA HIST LUST ASSESMENT:
Comments: DEQ LETTER DATED 28 OCT 93 APPROVING IN PLACE CLOSURE OF THEDISPENSING LINE BY FLUSHING REMAINING PRODUCT AND CAPPINGEACH END. DISPENSER TAKEN OUT OF SERVICE.

LA HIST LUST CORRECTIVE ACTION:
Comments: Not reported

Facility ID:	17-004624
Facility Parish:	EAST BATON ROUGE
Substance Name:	Not reported
Substance Name 2:	Not reported
Quantity:	Not reported
Quantity 2:	Not reported
Date Confirmed:	Not reported
Date Confirmed 2:	Not reported
Incident Number:	93-2-0242
Incident Date:	09/28/1993
Type of Incident:	Not reported
Type of Incident No2:	Not reported
Reported By:	Not reported
Reported By 2:	Not reported
Owner ID:	00122200
Owner Name:	G. S. U./ENVIRONMENTAL AFFAIRS
Owner Address:	P.O. BOX 2951
Owner City,St,Zip:	BEAUMONT, TX 77704
Assessment Pending Info:	No
Assessment Request Date:	Not reported
Assessment Plan Due Date:	Not reported
Assessment Plan Received Date:	Not reported
Assessment Approved Date:	Not reported
Assessment Contractor:	Not reported
Assess Date Add Info Due:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due2:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due3:	Not reported
Corrective Plan Due Date:	Not reported
Corrective Plan Received Date:	Not reported
Corrective Plan Approved Date:	Not reported
Corr Act Date Add Info Due:	Not reported
Corr Act Date Add Info Recd:	Not reported
Corr Act Date Add Info Due2:	Not reported
Corr Act Date Add Info Recd2:	Not reported
Corr Act Date Add Info Due3:	Not reported
Remediation Method:	Not reported
Remediation Date:	Not reported
Remediation Terminated Date:	Not reported

LA HIST LUST INCIDENT:
Comments: Not reported

LA HIST LUST ASSESMENT:
Comments: DEQ LETTER DATED 28 OCT 93 APPROVING IN PLACE CLOSURE OF THEDISPENSING LINE BY FLUSHING REMAINING PRODUCT AND CAPPINGEACH END. DISPENSER TAKEN OUT OF SERVICE.

LA HIST LUST CORRECTIVE ACTION:
Comments: Not reported

4 NW 1/4-1/2 0.431 mi. 2278 ft. — **BATTERY CLINIC, 970 GOVERNMENT STREET, BATON ROUGE, LA 70802** — **SWRCY** — **S105571224, N/A**

Relative: Lower
Actual: 46 ft.

LA SWRCY:

Mailing Address:	Not reported
Parish:	East Baton Rouge
Contact:	Mark Newstrom
Contact Phone:	225-381-9295
Contact Fax:	225-381-7255
Contact Email:	Not reported
Material Accepted:	Batteries

Mailing Address:	Not reported
Parish:	East Baton Rouge
Contact:	Mark Newstrom
Contact Phone:	225-381-9295
Contact Fax:	225-381-7255
Contact Email:	Not reported
Material Accepted:	Copper

Mailing Address	Not reported
Parish:	East Baton Rouge
Contact	Mark Newstrom
Contact Phone	225-381-9295
Contact Fax	225-381-7255
Contact Email	Not reported
Material Accepted	Lead

Mailing Address	Not reported
Parish	East Baton Rouge
Contact	Mark Newstrom
Contact Phone	225-381-9295
Contact Fax	225-381-7255
Contact Email	Not reported
Material Accepted	Aluminum

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5 SSW 1/4-1/2 0.481 mi. 2542 ft. — **BUTLER'S GAS STATION, 1776 THOMAS DELPIT DR., BATON ROUGE, LA 70802** — **HIST LUST** — **S106033545, N/A**

Relative: Lower
Actual: 51 ft.

HIST LUST:

Facility ID:	17-001184
Facility Parish:	EAST BATON ROUGE
Substance Name:	GASOLINE
Substance Name 2:	Not reported
Quantity:	UNKNOWN
Quantity 2:	Not reported
Date Confirmed:	05/24/1991
Date Confirmed 2:	Not reported
Incident Number:	91-2-0171
Incident Date:	05/24/1991
Type of Incident:	UST LEAK
Type of Incident No2:	Not reported
Reported By:	BRAD MORRIS/CK ASS
Reported By 2:	Not reported

BUTLER'S GAS STATION (Continued) **S106033545**

Owner ID:	00049100
Owner Name:	BUTHON, FRANK
Owner Address:	1776 THOMAS DELPIT DR.
Owner City,St,Zip:	BATON ROUGE, LA 70802
Assessment Pending Info:	No
Assessment Request Date:	07/16/1991
Assessment Plan Due Date:	Not reported
Assessment Plan Received Date:	Not reported
Assessment Approved Date:	Not reported
Assessment Contractor:	Not reported
Assess Date Add Info Due:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due2:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due3:	Not reported
Corrective Plan Due Date:	Not reported
Corrective Plan Received Date:	Not reported
Corrective Plan Approved Date:	Not reported
Corr Act Date Add Info Due:	Not reported
Corr Act Date Add Info Recd:	Not reported
Corr Act Date Add Info Due2:	Not reported
Corr Act Date Add Info Recd2:	Not reported
Corr Act Date Add Info Due3:	Not reported
Remediation Method:	Not reported
Remediation Date:	Not reported
Remediation Terminated Date:	Not reported

LA HIST LUST INCIDENT
Comments Not reported

LA HIST LUST ASSESMENT
Comments LEL FOUND IN SCB MANHOLE. SC BELL EMPLOYEES FOUND GASOLINEIN MANHOLE AT E WASHINGTON AND THOMAS DELPIT ST NATIONALOIL TO PUMP OIL OUT OF MANHOLE

LA HIST LUST CORRECTIVE ACTION
Comments Not reported

Facility ID	17-001184
Facility Parish	EAST BATON ROUGE
Substance Name	Not reported
Substance Name 2	Not reported
Quantity	Not reported
Quantity 2	Not reported
Date Confirmed	Not reported
Date Confirmed 2	Not reported
Incident Number	91-2-0171
Incident Date	05/24/1991
Type of Incident:	Not reported
Type of Incident No2:	Not reported
Reported By:	Not reported
Reported By 2:	Not reported
Owner ID:	00049100
Owner Name:	BUTHON, FRANK
Owner Address:	1776 THOMAS DELPIT DR.
Owner City,St,Zip:	BATON ROUGE, LA 70802
Assessment Pending Info:	No
Assessment Request Date:	07/16/1991
Assessment Plan Due Date:	Not reported
Assessment Plan Received Date:	Not reported

BUTLER'S GAS STATION (Continued) **S106033545**

Assessment Approved Date:	Not reported
Assessment Contractor:	Not reported
Assess Date Add Info Due:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due2:	Not reported
Assess Date Add Info Recd:	Not reported
Assess Date Add Info Due3:	Not reported
Corrective Plan Due Date:	Not reported
Corrective Plan Received Date:	Not reported
Corrective Plan Approved Date:	Not reported
Corr Act Date Add Info Due:	Not reported
Corr Act Date Add Info Recd:	Not reported
Corr Act Date Add Info Due2:	Not reported
Corr Act Date Add Info Recd2:	Not reported
Corr Act Date Add Info Due3:	Not reported
Remediation Method:	Not reported
Remediation Date:	Not reported
Remediation Terminated Date:	Not reported

LA HIST LUST INCIDENT:
Comments: Not reported

LA HIST LUST ASSESMENT:
Comments: LEL FOUND IN SCB MANHOLE. SC BELL EMPLOYEES FOUND GASOLINEIN MANHOLE AT E. WASHINGTON AND THOMAS DELPIT ST. NATIONALOIL TO PUMP OIL OUT OF MANHOLE

LA HIST LUST CORRECTIVE ACTION.
Comments: Not reported

6
North
1/2-1
0.856 mi.
4521 ft.

BATON ROUGE GAS WORKS
LAUREL ST / N 12TH ST
BATON ROUGE, LA

SHWS **S109326226**
N/A

Relative:
Lower

Actual:
47 ft.

SHWS.
Facility ID: 9911
Facility Status: Confirmed

7
North
1/2-1
0.865 mi.
4567 ft.

BATON ROUGE GAS WORKS
LAUREL STREET
BATON ROUGE, LA 70802

Manufactured Gas Plants **1008408920**
N/A

Relative:
Lower

Actual:
47 ft.

Manufactured Gas Plants:
Alternate Name:BATON ROUGE ELECTRIC CO.

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
8 WSW 1/2-1 0.959 mi. 5064 ft.	**GILMAR MARINE SERVICES INC 1500 RIVER RD BATON ROUGE, LA**	**SHWS**	**S105201029 N/A**

Relative:
Lower

Actual:
33 ft.

SHWS:
Facility ID: 8003
Facility Status: Potential*

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BATON ROUGE	1011845477	NORTH 10TH STREET DRUMS	10TH STREET 1 BLOCK NORTH OF SPANISH		CERCLIS
BATON ROUGE	U000880236	BATON ROUGE BARGE TERMINAL	RT 5 BOX 45	70808	UST, HIST LUST
BATON ROUGE	S105201203	SANFIL LAND RECLAMATION	HWY 61 856 MOORE ST		SHWS
BATON ROUGE	S105529262	WHITNEY BANK BOCAGE SITE	7976 / 8006 JEFFERSON HWY.		VCP
BATON ROUGE	S106033894	JET 24 FOOD STORE #42	2313 S ACADIAN THRUWAY # / I-10	70808	HIST LUST
BATON ROUGE	U003986867	EXXON CO USA #5-1052	3191 S ACADIAN HWY	70808	UST, AUL
BATON ROUGE	S108628867	BEHIND SWINE PALACE THEATER ON LSU CAMPUS	BEHIND SWINE PALACE THEATER ON LSU CAMPUS		SPILLS
BATON ROUGE	S106167870	CHEVRON USA BATON ROUGE PLANT	1001 S FIRST ST	70802	SHWS
BATON ROUGE	S105200973	DEVILS SWAMP	IMMEDIATELY NORTH OF THE BATON ROUGE HARBOR		SHWS
BATON ROUGE	S109025090	MALL OF LA BY MOVIE THEATER	MALL OF LA BY MOVIE THEATER		SPILLS
BATON ROUGE	1003873460	CAPITOL LAKE	NEAR INTERSTATE 10-CAPITOL LAKE DV.	70802	CERC-NFRAP
BATON ROUGE	S105201197	RONALD A. COCO INC.	RONALD A COCO INC		SHWS
BATON ROUGE	U000875399	CIRCLE K #8057	6369 VAN GOGH DR	70806	SPILLS, UST, HIST LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active In Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/07/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 53

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/06/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 76

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 12/15/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination CERCLIS provides information as to the identity of these sites and properties

Date of Government Version: 08/19/2008
Date Data Arrived at EDR: 08/29/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2008
Next Scheduled EDR Contact: 03/02/2009
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/21/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 34

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/31/2008
Next Scheduled EDR Contact: 03/23/2009
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 12/08/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/15/2008
Date Data Arrived at EDR: 10/22/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/21/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 55

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 12/22/2008
Next Scheduled EDR Contact: 03/23/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/23/2008
Next Scheduled EDR Contact: 03/23/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/15/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/15/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 12/04/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 09/18/2008
Next Scheduled EDR Contact: 11/03/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/03/2008
Date Data Arrived at EDR: 10/15/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 35

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/28/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/30/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 12/29/2008
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/09/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Biennially

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/10/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/08/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

STATE AND LOCAL RECORDS

SHWS: Potential and Confirmed Sites List

Confirmed status denotes that assessments have been performed and a determination made that (1) hazardous waste(s) or substance(s) are present at the site and (2) these sites are under the jurisdiction of the LDEQ/RSD. Potential status is an indicator that sites are either waiting to be assessed or the assessment is in progress.

Date of Government Version: 11/06/2008
Date Data Arrived at EDR: 12/08/2008
Date Made Active in Reports: 12/17/2008
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Landfill List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/05/2008
Date Data Arrived at EDR: 11/13/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 8

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/03/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Annually

DEBRIS: LDEQ Approved Debris Sites

A listing of LDEQ Approved Debris Sites where hurricane debris is dumped.

Date of Government Version: 09/12/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 225-219-3953
Last EDR Contact: 12/23/2008
Next Scheduled EDR Contact: 03/23/2009
Data Release Frequency: Varies

AUL: Listing of Institutional and/or Enginnering Controls

A notice of contamination (nature and levels of contaminants) and restriction of property to non-residential use are placed in the conveyance records for the property.

Date of Government Version: 05/15/2007
Date Data Arrived at EDR: 06/05/2007
Date Made Active in Reports: 07/12/2007
Number of Days to Update: 37

Source: Department of Environmental Quality
Telephone: 225-219-3168
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Quarterly

SWRCY: Recycling Directory

A listing of recycling facilities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 10/08/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 44

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 10/08/2008
Next Scheduled EDR Contact: 10/06/2008
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state

Date of Government Version: 11/05/2008
Date Data Arrived at EDR: 12/08/2008
Date Made Active in Reports: 12/17/2008
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

HIST LUST: Underground Storage Tank Case History Incidents

This listing includes detailed information for Leaking Underground Storage Tanks reported through November 1999. It is no longer updated. Current LUST incidents, without detail, can be found in the Leaking Underground Storage Tank Database

Date of Government Version: 11/01/1999
Date Data Arrived at EDR: 02/16/2000
Date Made Active in Reports: 05/01/2000
Number of Days to Update: 75

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 12/04/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Louisiana Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/18/2008
Date Data Arrived at EDR: 08/29/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Quarterly

LIENS: Environmental Liens
An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC ? 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition.

Date of Government Version: 11/17/2008
Date Data Arrived at EDR: 12/08/2008
Date Made Active in Reports: 12/17/2008
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

SPILLS: Emergency Response Section Incidents
Spills and/or releases, to land, reported to the Emergency Response Section.

Date of Government Version: 09/29/2008
Date Data Arrived at EDR: 10/15/2008
Date Made Active in Reports: 12/17/2008
Number of Days to Update: 63

Source: Department of Environmental Quality
Telephone: 225-219-3620
Last EDR Contact: 12/08/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites
Sites that have entered the Department of Environmental Quality's Voluntary Remediation Program

Date of Government Version: 08/26/2008
Date Data Arrived at EDR: 11/12/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facilities.

Date of Government Version: 01/22/2007
Date Data Arrived at EDR: 01/30/2007
Date Made Active in Reports: 03/22/2007
Number of Days to Update: 51

Source: Department of Environmental Quality
Telephone: 225-219-3168
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Varies

NPDES: LPDES Permits Database
A listing of sites with a Louisiana Pollutant Discharge Elimination System (LPDES) program issued permit.

Date of Government Version: 08/19/2008
Date Data Arrived at EDR: 08/29/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/24/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2008
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/02/2008
Date Data Arrived at EDR: 12/04/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 19

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/03/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 20

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/19/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/25/2008
Date Data Arrived at EDR: 11/26/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 27

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 11/25/2008
Date Data Arrived at EDR: 11/26/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 27

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/19/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 12/01/2008
Date Data Arrived at EDR: 12/04/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 19

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 11/18/2008
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ORLEANS COUNTY:

Brownfields Inventory

Brownfields are abandoned, idled, or underused industrial or commercial real property, the expansion, redevelopment or reuse of which may be complicated by the presence of or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 11/10/2008
Date Data Arrived at EDR: 11/12/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 9

Source: New Orleans Office of Environmental Affairs
Telephone: 504-658-4070
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 02/09/2009
Data Release Frequency: Quarterly

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 08/20/2007
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 12/11/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/21/2008
Date Data Arrived at EDR: 11/26/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/08/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/08/2008
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 10/06/2008
Next Scheduled EDR Contact: 01/05/2009
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts which contains data that are comparable across all states

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States

Flood Zone Data This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA) Data depicts 100-year and 500-year flood zones as defined by FEMA

NWI National Wetlands Inventory This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U S Fish and Wildlife Service.

Scanned Digital USGS 7 5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LINCOLN THEATER
1305 MYRTLE WALK
BATON ROUGE, LA 70802

TARGET PROPERTY COORDINATES

Latitude (North):	30.43842 - 30' 26' 18.3"
Longitude (West):	91.17538 - 91' 10' 31.4"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	675219.8
UTM Y (Meters):	3368599.5
Elevation:	53 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	30091-D2 BATON ROUGE WEST, LA
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

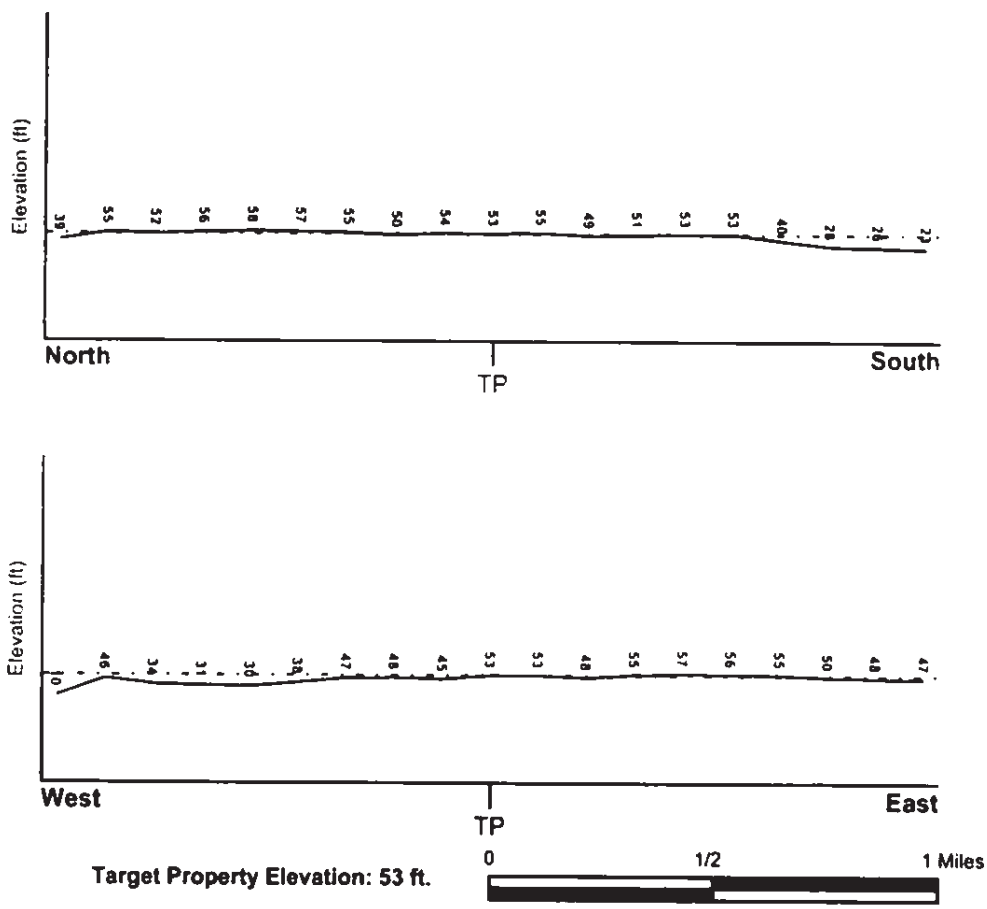
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 53 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
EAST BATON ROUGE, LA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2200580090D

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BATON ROUGE WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW*

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
D16	1/2 - 1 Mile NNE	NW
19	1/2 - 1 Mile WSW	NNW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s) which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	MEMPHIS
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	9 inches	23 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	23 inches	77 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4 50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
very fine sandy loam
loamy sand

Surficial Soil Types: sandy loam
very fine sandy loam
loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sand
fine sandy loam
loamy sand
silty clay loam
very fine sandy loam
sandy clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2493737	0 - 1/8 Mile West
A2	USGS2493736	0 - 1/8 Mile West
A3	USGS2493738	0 - 1/8 Mile West
A4	USGS2493734	0 - 1/8 Mile West
A5	USGS2493735	0 - 1/8 Mile West
B6	USGS2493729	0 - 1/8 Mile SE
B7	USGS2493726	1/8 - 1/4 Mile SE
A8	USGS2493740	1/8 - 1/4 Mile West
A9	USGS2493741	1/8 - 1/4 Mile West
A10	USGS2493742	1/8 - 1/4 Mile West
C12	USGS2493761	1/4 - 1/2 Mile NNE
13	USGS2493717	1/4 - 1/2 Mile ESE
15	USGS2493772	1/2 - 1 Mile NNE
17	USGS2493878	1/2 - 1 Mile WSW
D18	USGS2493782	1/2 - 1 Mile NNE
E20	USGS2493877	1/2 - 1 Mile ESE
E21	USGS2493875	1/2 - 1 Mile ESE
F23	USGS2493642	1/2 - 1 Mile North
F24	USGS2493644	1/2 - 1 Mile North
F25	USGS2493643	1/2 - 1 Mile North
29	USGS2493865	1/2 - 1 Mile WSW
31	USGS2493651	1/2 - 1 Mile North
G32	USGS2493645	1/2 - 1 Mile NNE
G34	USGS2493650	1/2 - 1 Mile NNE
G35	USGS2493646	1/2 - 1 Mile NNE
G36	USGS2493647	1/2 - 1 Mile NNE
G37	USGS2493653	1/2 - 1 Mile NNE
G38	USGS2493654	1/2 - 1 Mile NNE
39	USGS2493832	1/2 - 1 Mile SSE
G40	USGS2493652	1/2 - 1 Mile NNE
H41	USGS2493658	1/2 - 1 Mile North
H42	USGS2493659	1/2 - 1 Mile NNW
H43	USGS2493661	1/2 - 1 Mile North
H44	USGS2493660	1/2 - 1 Mile North
I45	USGS2493762	1/2 - 1 Mile WNW
I46	USGS2493763	1/2 - 1 Mile WNW
I47	USGS2493764	1/2 - 1 Mile WNW
48	USGS2493641	1/2 - 1 Mile NE
H49	USGS2493670	1/2 - 1 Mile North
50	USGS2493822	1/2 - 1 Mile SSW
51	USGS2493657	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
52	USGS2493853	1/2 - 1 Mile WSW
J53	USGS2493771	1/2 - 1 Mile WNW
J54	USGS2493770	1/2 - 1 Mile WNW
K55	USGS2493820	1/2 - 1 Mile SSE
K56	USGS2493821	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

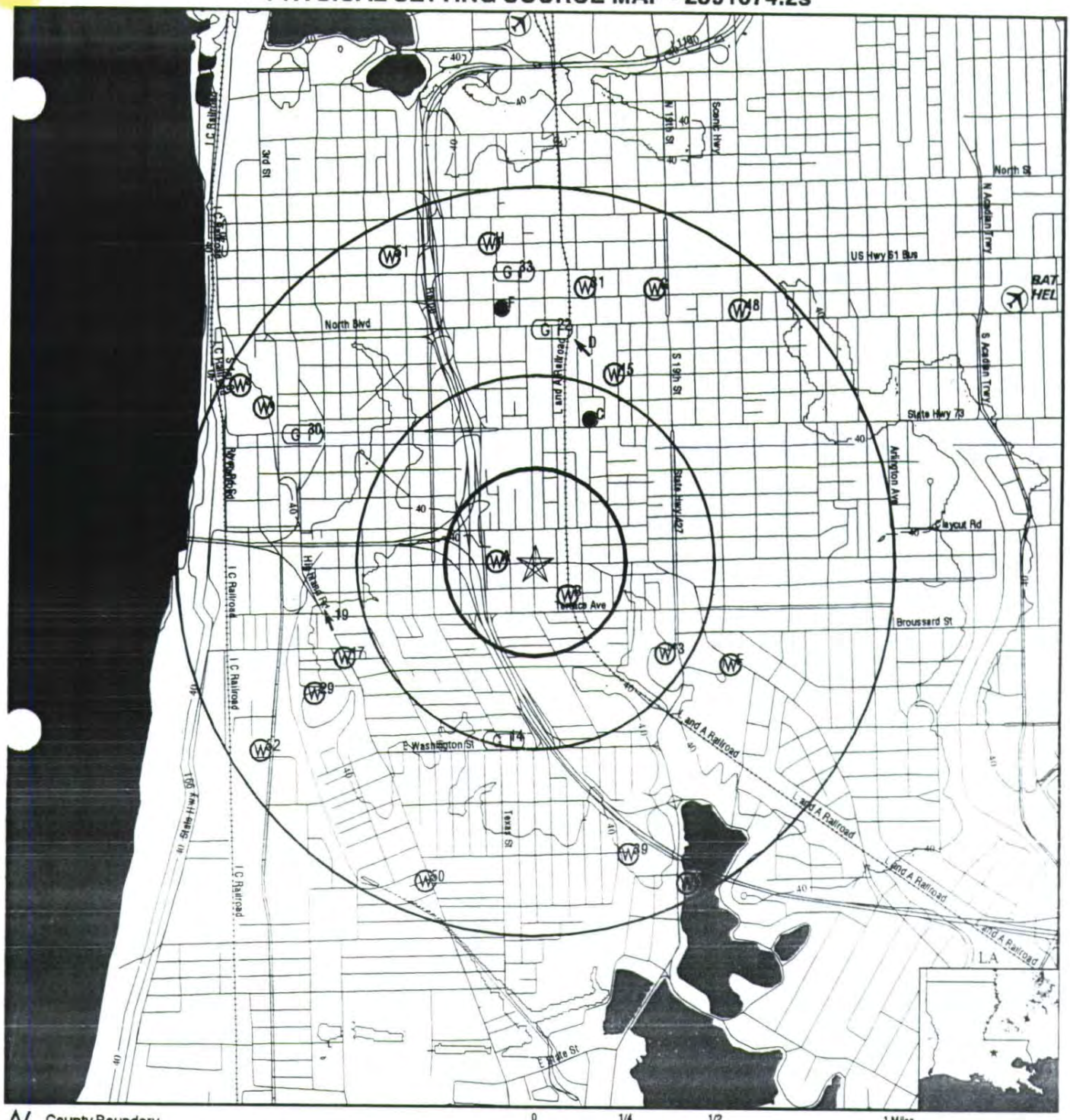
MAP ID	WELL ID	LOCATION FROM TP
F28	LA1033005	1/2 - 1 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F26	1033005008	1/2 - 1 Mile North
F27	1033005007	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 2391074.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Lincoln Theater ADDRESS: 1305 Myrtle Walk Baton Rouge LA 70802 LAT/LONG: 30.4384 / 91.1754	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kay Nall INQUIRY #: 2391074.2s DATE: December 31, 2008 7:24 am

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GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A1 **West** **0 - 1/8 Mile** **Lower**		**FED USGS**	**USGS2493737**

Agency cd:	USGS	Site no:	302617091103604
Site name:	EB- 511		
Latitude:	302617		
Longitude:	0911036	Dec lat:	30.43824651
Dec lon:	-91.17677375	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	48.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi, Area = 1890 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19471001
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SALISBURY AQUIFER		
Well depth:	336	Hole depth:	336
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1963-02-13
Water quality data end date:	1963-02-13	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A2 **West** **0 - 1/8 Mile** **Lower**		**FED USGS**	**USGS2493736**

Agency cd:	USGS	Site no:	302617091103603
Site name:	EB- 493		
Latitude:	302617		
Longitude:	0911036	Dec lat:	30.43824651
Dec lon:	-91.17677375	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000

Altitude:	48.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19450801
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	704	Hole depth:	725
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1952-06-18
Water quality data end date:	1968-05-18	Water quality data count:	41
Ground water data begin date:	1950-09-01	Ground water data end date:	1950-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements. 1

Date	Feet below Surface	Feet to Sealevel
1950-09-01	125.00	

A3
West
0 - 1/8 Mile
Lower

FED USGS **USGS2493738**

Agency cd:	USGS	Site no	302617091103605
Site name	EB- 512		
Latitude	302617		
Longitude	0911036	Dec lat	30 43824651
Dec lon	-91 17677375	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District.	22
State:	22	County	033
Country	US	Land net	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale	24000
Altitude.	48.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19471001
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SALISBURY AQUIFER		
Well depth:	336	Hole depth:	337
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	1968-05-18
Water quality data end date:	1974-04-29	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A4
West
0 - 1/8 Mile
Lower

FED USGS **USGS2493734**

Agency cd:	USGS	Site no:	302617091103601
Site name:	EB- 126		
Latitude:	302617		
Longitude:	0911036	Dec lat:	30.43824651
Dec lon:	-91.17677375	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	48.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana. Mississippi. Area = 698 sq.mi		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19330524
Date inventoried.	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well. other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	634	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1933-05-24	Ground water data end date:	1933-05-24
Ground water data count.	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1933-05-24	67.00	

A5
West
0 - 1/8 Mile
Lower

FED USGS **USGS2493735**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	302617091103602
Site name:	EB- 127		
Latitude:	302617		
Longitude:	0911036	Dec lat:	30.43824651
Dec lon:	-91.17677375	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	49.56		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19400318
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SALISBURY AQUIFER		
Well depth:	330	Hole depth:	330
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1944-10-04
Water quality data end date:	1944-10-04	Water quality data count:	1
Ground water data begin date:	1956-08-20	Ground water data end date:	1988-10-12
Ground water data count:	709		

Ground-water levels, Number of Measurements: 709

Date	Feet below Surface	Feet to Sealevel
1988-10-12	44.28	
1988-02-26	25.56	
1987-09-04	45.86	
1986-10-29	29.50	
1986-04-11	35.83	
1985-10-16	44.88	
1985-04-13	19.34	
1984-10-02	46.67	
1984-05-02	21.73	
1983-11-14	45.73	
1983-04-05	29.23	
1982-10-22	44.73	
1982-05-06	28.95	
1981-10-09	45.87	
1981-04-02	46.78	
1980-10-27	47.88	
1980-05-05	23.60	
1979-11-08	45.27	
1979-04-27	14.66	
1978-11-07	46.46	
1978-04-06	25.17	
1977-11-21	34.05	
1988-05-26	40.09	
1987-10-20	47.87	
1987-04-24	31.17	
1986-08-19	47.23	
1986-02-21	31.18	
1985-08-08	47.82	
1984-10-16	45.33	
1984-07-19	35.03	
1984-02-08	37.08	
1983-07-06	30.08	
1983-02-02	24.88	
1982-08-02	37.33	
1982-01-19	34.71	
1981-07-23	38.83	
1981-01-20	45.00	
1980-07-11	43.27	
1980-01-22	34.35	
1979-07-12	38.38	
1979-03-07	25.65	
1978-07-28	42.24	
1978-02-08	30.12	
1977-07-21	47.07	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1977-04-05	32.43	
1976-11-09	41.84	
1976-04-16	30.79	
1975-11-03	35.83	
1975-07-14	36.44	
1975-01-20	25.49	
1974-07-19	32.23	
1974-02-04	18.03	
1973-07-26	39.20	
1973-04-17	15.32	
1972-11-22	33.67	
1972-04-19	39.81	
1971-10-05	48.20	
1971-05-10	42.36	
1970-12-16	40.51	
1970-05-14	28.35	
1969-10-21	47.73	
1969-04-30	29.46	
1968-11-19	47.34	
1968-02-29	36.01	
1967-10-09	46.87	
1967-08-11	44.17	
1967-03-14	41.20	
1967-01-17	41.75	
1966-11-28	45.22	
1966-09-14	50.36	
1966-07-20	49.45	
1966-07-10	48.67	
1966-06-30	44.28	
1966-06-21	44.10	
1966-06-15	42.26	
1966-06-05	30.77	
1966-05-25	31.40	
1966-05-18	31.09	
1966-05-10	32.79	
1966-04-30	36.53	
1966-04-20	42.51	
1966-04-10	42.31	
1966-03-31	42.35	
1966-03-25	40.22	
1966-03-15	28.31	
1966-03-05	22.26	
1966-02-25	28.69	
1966-02-15	43.53	
1966-02-05	39.46	
1966-01-25	37.68	
1966-01-15	40.63	
1966-01-05	47.68	
1965-12-27	45.67	
1965-12-20	49.62	
1965-12-10	46.98	
1965-12-05	49.86	
1965-11-25	49.63	
1965-11-15	43.39	
1965-11-05	48.30	

Date	Feet below Surface	Feet to Sealevel
1977-02-24	48.52	
1976-07-12	39.73	
1976-02-12	36.53	
1975-09-15	41.00	
1975-03-31	19.23	
1974-09-25	42.13	
1974-05-16	32.38	
1973-10-09	44.39	
1973-05-16	18.10	
1973-02-01	24.33	
1972-06-26	45.26	
1972-01-05	41.61	
1971-07-20	48.27	
1971-03-19	22.78	
1970-09-03	48.35	
1970-01-08	42.88	
1969-07-14	37.96	
1969-02-04	31.57	
1968-07-18	43.96	
1967-12-11	42.58	
1967-09-12	48.80	
1967-07-06	39.68	
1967-02-07	43.81	
1966-12-15	49.04	
1966-11-02	50.76	
1966-08-17	50.29	
1966-07-15	49.02	
1966-07-05	47.05	
1966-06-25	41.38	
1966-06-20	41.30	
1966-06-10	37.98	
1966-05-31	31.63	
1966-05-20	31.07	
1966-05-15	28.16	
1966-05-05	35.42	
1966-04-25	38.88	
1966-04-15	45.47	
1966-04-05	44.00	
1966-03-28	35.40	
1966-03-20	30.19	
1966-03-10	29.30	
1966-02-28	22.76	
1966-02-20	30.80	
1966-02-10	45.29	
1966-01-31	41.93	
1966-01-20	34.20	
1966-01-10	41.52	
1965-12-31	47.00	
1965-12-25	45.00	
1965-12-15	47.11	
1965-12-07	49.43	
1965-11-30	44.11	
1965-11-20	50.00	
1965-11-10	48.56	
1965-10-31	41.70	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1965-10-25	43.71	
1965-10-15	43.83	
1965-10-07	41.63	
1965-09-30	45.44	
1965-09-20	47.21	
1965-09-10	48.00	
1965-09-05	48.72	
1965-08-25	50.37	
1965-08-15	47.10	
1965-08-06	46.67	
1965-07-31	47.42	
1965-07-20	44.50	
1965-07-10	46.42	
1965-07-05	44.66	
1965-06-25	40.04	
1965-06-15	42.49	
1965-06-10	42.77	
1965-05-31	36.48	
1965-05-20	34.14	
1965-05-10	26.47	
1965-04-30	27.51	
1965-04-20	28.85	
1965-04-12	30.09	
1965-04-05	29.00	
1965-03-25	34.10	
1965-03-15	28.41	
1965-03-05	28.30	
1965-02-10	40.98	
1965-02-05	37.93	
1965-01-25	34.48	
1965-01-15	38.33	
1965-01-08	42.55	
1964-12-31	41.45	
1964-12-20	37.85	
1964-12-14	39.50	
1964-12-05	42.34	
1964-11-25	48.61	
1964-11-15	45.74	
1964-11-05	49.53	
1964-10-31	46.50	
1964-10-20	49.87	
1964-10-10	44.44	
1964-09-30	50.72	
1964-09-15	50.65	
1964-09-08	50.25	
1964-08-31	48.05	
1964-08-20	50.43	
1964-08-10	47.22	
1964-07-31	48.64	
1964-07-20	44.61	
1964-07-10	42.90	
1964-06-30	42.66	
1964-06-20	46.57	
1964-06-10	42.18	
1964-05-31	38.31	

Date	Feet below Surface	Feet to Sealevel
1965-10-20	45.45	
1965-10-10	35.89	
1965-10-05	42.20	
1965-09-25	44.47	
1965-09-15	48.28	
1965-09-09	50.37	
1965-08-31	50.54	
1965-08-20	50.27	
1965-08-10	48.22	
1965-08-05	46.64	
1965-07-25	45.41	
1965-07-15	45.17	
1965-07-09	46.24	
1965-06-30	40.70	
1965-06-20	38.91	
1965-06-11	41.87	
1965-06-05	41.18	
1965-05-25	36.39	
1965-05-15	29.16	
1965-05-05	28.59	
1965-04-25	25.32	
1965-04-15	29.99	
1965-04-10	29.30	
1965-03-31	33.51	
1965-03-20	29.50	
1965-03-10	35.86	
1965-03-03	30.65	
1965-02-08	38.30	
1965-01-31	35.26	
1965-01-20	36.93	
1965-01-10	39.10	
1965-01-05	45.17	
1964-12-25	37.20	
1964-12-15	43.99	
1964-12-10	42.73	
1964-11-30	45.10	
1964-11-20	48.71	
1964-11-10	51.00	
1964-11-02	49.55	
1964-10-25	45.26	
1964-10-15	48.85	
1964-10-08	48.81	
1964-09-25	50.57	
1964-09-10	50.28	
1964-09-05	50.67	
1964-08-25	50.43	
1964-08-15	48.10	
1964-08-05	49.40	
1964-07-25	46.30	
1964-07-15	46.36	
1964-07-05	38.58	
1964-06-25	46.53	
1964-06-15	44.62	
1964-06-05	41.02	
1964-05-25	31.61	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1964-05-20	26.91	
1964-05-10	27.00	
1964-04-30	31.07	
1964-04-20	29.00	
1964-04-10	29.37	
1964-03-31	27.28	
1964-03-20	33.14	
1964-03-10	44.57	
1964-02-29	44.63	
1964-02-20	44.66	
1964-02-10	44.35	
1964-01-20	46.09	
1964-01-10	43.35	
1963-12-31	44.00	
1963-12-20	47.69	
1963-12-10	48.44	
1963-11-30	46.73	
1963-11-20	49.08	
1963-11-10	46.51	
1963-10-31	49.45	
1963-10-20	49.41	
1963-10-10	49.11	
1963-09-05	48.33	
1963-08-25	47.83	
1963-08-15	47.25	
1963-08-05	46.56	
1963-07-25	47.26	
1963-07-15	45.88	
1963-07-05	46.18	
1963-06-25	43.77	
1963-06-15	44.90	
1963-06-05	42.77	
1963-05-25	43.94	
1963-05-15	41.15	
1963-05-05	40.22	
1963-04-25	36.39	
1963-04-15	25.90	
1963-04-05	25.40	
1963-03-25	28.61	
1963-03-15	38.75	
1963-03-05	44.95	
1963-02-25	41.77	
1963-02-15	44.50	
1963-02-05	44.45	
1963-01-20	42.69	
1963-01-10	44.68	
1962-12-31	44.65	
1962-12-20	46.67	
1962-12-10	43.15	
1962-11-30	42.37	
1962-11-20	46.43	
1962-11-05	45.48	
1962-10-25	45.75	
1962-10-05	46.22	
1962-09-10	47.24	

Date	Feet below Surface	Feet to Sealevel
1964-05-15	25.85	
1964-05-05	29.00	
1964-04-25	30.58	
1964-04-15	29.97	
1964-04-05	26.98	
1964-03-25	30.11	
1964-03-15	36.41	
1964-03-05	40.20	
1964-02-25	44.75	
1964-02-15	43.15	
1964-02-05	45.95	
1964-01-15	42.58	
1964-01-05	44.46	
1963-12-25	46.62	
1963-12-15	45.76	
1963-12-05	49.50	
1963-11-25	48.27	
1963-11-15	47.84	
1963-11-05	49.33	
1963-10-25	49.52	
1963-10-15	49.36	
1963-09-10	49.52	
1963-08-31	48.31	
1963-08-20	47.54	
1963-08-10	46.94	
1963-07-31	46.53	
1963-07-20	47.35	
1963-07-10	46.74	
1963-06-30	42.34	
1963-06-20	44.66	
1963-06-10	42.22	
1963-05-31	43.03	
1963-05-20	41.85	
1963-05-10	40.82	
1963-04-30	41.99	
1963-04-20	27.81	
1963-04-10	26.70	
1963-03-31	28.56	
1963-03-20	34.13	
1963-03-10	44.77	
1963-02-28	45.11	
1963-02-20	44.92	
1963-02-10	44.60	
1963-01-25	48.37	
1963-01-15	45.52	
1963-01-05	42.96	
1962-12-25	44.91	
1962-12-15	45.28	
1962-12-05	45.32	
1962-11-25	42.46	
1962-11-15	45.02	
1962-10-31	45.71	
1962-10-10	46.24	
1962-09-30	45.56	
1962-08-15	46.09	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1962-07-10	43.85	
1961-08-15	41.07	
1961-08-09	40.10	
1961-07-31	40.64	
1961-07-20	43.01	
1961-07-10	40.68	
1961-06-30	32.18	
1961-06-20	30.60	
1961-06-10	23.30	
1961-06-05	21.10	
1961-05-25	23.38	
1961-05-15	25.90	
1961-05-05	26.91	
1961-04-30	26.00	
1961-04-20	24.55	
1961-04-06	23.60	
1961-03-31	24.95	
1961-03-20	27.91	
1961-03-10	33.34	
1961-03-05	33.02	
1961-02-20	42.56	
1961-02-10	47.27	
1961-02-05	41.65	
1961-01-25	46.05	
1961-01-15	40.90	
1961-01-04	46.13	
1960-12-20	46.48	
1960-12-10	45.20	
1960-11-25	48.87	
1960-11-15	47.40	
1960-11-07	48.85	
1960-10-31	49.75	
1960-10-20	49.51	
1960-10-10	45.01	
1960-09-30	48.88	
1960-09-20	48.99	
1960-09-10	47.87	
1960-09-05	47.72	
1960-08-25	47.82	
1960-08-15	47.90	
1960-08-09	47.23	
1960-07-31	45.60	
1960-07-20	38.25	
1960-07-10	38.54	
1960-07-05	41.14	
1960-06-25	41.20	
1960-06-15	37.00	
1960-06-09	34.71	
1960-05-31	31.96	
1960-05-20	33.95	
1960-05-10	34.56	
1960-05-04	31.40	
1960-04-25	29.85	
1960-04-15	31.80	
1960-04-05	35.68	

Date	Feet below Surface	Feet to Sealevel
1961-09-06	46.09	
1961-08-10	40.10	
1961-08-05	39.42	
1961-07-25	41.47	
1961-07-15	42.25	
1961-07-05	34.98	
1961-06-25	28.50	
1961-06-15	27.52	
1961-06-06	21.33	
1961-05-31	21.70	
1961-05-20	24.99	
1961-05-10	27.22	
1961-05-04	26.73	
1961-04-25	21.65	
1961-04-10	19.38	
1961-04-05	23.70	
1961-03-25	23.20	
1961-03-15	30.88	
1961-03-08	34.32	
1961-02-25	40.37	
1961-02-15	48.49	
1961-02-08	46.50	
1961-01-31	41.07	
1961-01-20	41.75	
1961-01-10	43.00	
1960-12-25	42.40	
1960-12-15	44.20	
1960-12-09	49.08	
1960-11-20	44.59	
1960-11-10	50.10	
1960-11-05	49.68	
1960-10-25	45.74	
1960-10-15	49.29	
1960-10-05	49.19	
1960-09-25	45.47	
1960-09-15	47.82	
1960-09-07	47.96	
1960-08-31	47.92	
1960-08-20	47.91	
1960-08-10	47.30	
1960-08-05	45.78	
1960-07-25	41.92	
1960-07-15	37.13	
1960-07-07	40.05	
1960-06-30	42.02	
1960-06-20	39.70	
1960-06-10	34.92	
1960-06-05	32.58	
1960-05-25	33.48	
1960-05-15	31.30	
1960-05-05	31.82	
1960-04-30	29.80	
1960-04-20	30.62	
1960-04-10	30.90	
1960-03-31	36.20	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1960-03-25	36.38	
1960-03-15	33.47	
1960-03-05	29.58	
1960-02-29	33.47	
1960-02-02	29.08	
1960-01-25	30.90	
1960-01-15	36.80	
1960-01-06	32.54	
1959-12-31	36.28	
1959-12-20	43.15	
1959-12-10	46.68	
1959-11-04	46.46	
1959-10-25	38.00	
1959-10-15	43.23	
1959-10-05	50.13	
1959-09-25	50.52	
1959-09-15	49.57	
1959-09-05	50 13	
1959-08-31	49.33	
1959-08-20	48.05	
1959-08-10	47 50	
1959-07-31	46.87	
1959-07-25	48 75	
1959-07-15	48.12	
1959-07-08	48 91	
1959-06-30	47 49	
1959-06-20	41 33	
1959-06-10	40 60	
1959-06-01	40 80	
1959-05-15	41 93	
1959-04-05	33.25	
1959-03-25	35.80	
1959-03-15	29 78	
1959-03-05	28 78	
1959-02-25	34 38	
1959-02-15	36 50	
1959-02-05	37 90	
1959-01-31	43 50	
1959-01-20	45 18	
1959-01-10	46 30	
1958-12-31	49 53	
1958-12-20	47 44	
1958-12-10	47 32	
1958-12-03	46.88	
1958-11-25	45.20	
1958-11-15	50.62	
1958-11-05	50.11	
1958-10-25	48.73	
1958-10-15	46.80	
1958-10-09	44.81	
1958-09-30	44.90	
1958-09-20	47.78	
1958-09-11	46.84	
1958-08-05	33.10	
1958-07-29	35.71	

Date	Feet below Surface	Feet to Sealevel
1960-03-20	31.34	
1960-03-10	34.50	
1960-03-01	33.47	
1960-02-05	29.08	
1960-01-31	29.60	
1960-01-20	36.42	
1960-01-10	32.25	
1960-01-05	36.35	
1959-12-25	35.68	
1959-12-15	41.66	
1959-12-09	46.94	
1959-10-31	44.75	
1959-10-20	36.99	
1959-10-10	47.40	
1959-09-30	50.94	
1959-09-20	49.92	
1959-09-10	50.17	
1959-09-02	49.99	
1959-08-25	48.79	
1959-08-15	48.70	
1959-08-05	45.99	
1959-07-28	47.67	
1959-07-20	48.46	
1959-07-10	48.50	
1959-07-05	48.30	
1959-06-25	45.00	
1959-06-15	40 08	
1959-06-05	40.60	
1959-05-31	40.80	
1959-04-17	37 31	
1959-03-31	34 91	
1959-03-20	35 03	
1959-03-10	33 18	
1959-02-28	33 58	
1959-02-20	33 80	
1959-02-10	36 72	
1959-02-03	36 04	
1959-01-25	44 70	
1959-01-15	49.88	
1959-01-07	46.61	
1958-12-25	44 84	
1958-12-15	43 53	
1958-12-05	47 20	
1958-11-30	44 58	
1958-11-20	50.72	
1958-11-10	49.10	
1958-10-31	49.44	
1958-10-20	46.90	
1958-10-10	45.47	
1958-10-05	44.55	
1958-09-25	46.00	
1958-09-15	47.73	
1958-09-10	46.50	
1958-07-31	34.90	
1958-07-25	37.90	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1958-07-20	40.10	
1958-07-10	38.70	
1958-07-01	38.32	
1958-06-25	40.50	
1958-06-15	40.90	
1958-06-05	31.10	
1958-05-25	28.50	
1958-05-15	31.00	
1958-05-05	34.19	
1958-04-25	35.68	
1958-04-15	34.70	
1958-04-05	30.20	
1958-03-25	34.00	
1958-03-20	36.00	
1958-03-05	44.10	
1958-02-13	36.47	
1958-01-25	34.85	
1958-01-15	32.00	
1958-01-05	27.35	
1957-12-25	29.00	
1957-12-16	29.28	
1957-12-10	26.80	
1957-12-04	32.48	
1957-11-25	34.50	
1957-11-20	43.10	
1957-11-10	43.25	
1957-10-31	48.66	
1957-10-24	48.87	
1957-09-17	49.09	
1957-07-25	36.00	
1957-07-15	32.00	
1957-07-05	27.83	
1957-06-30	26.34	
1957-06-20	25.05	
1957-06-10	24.50	
1957-06-04	26.80	
1957-05-25	32.30	
1957-05-15	27.40	
1957-05-05	22.25	
1957-04-30	27.05	
1957-04-20	27.20	
1957-04-10	36.60	
1957-03-31	34.95	
1957-03-20	36.05	
1957-03-10	28.50	
1957-03-05	25.90	
1957-02-25	25.15	
1957-02-15	29.30	
1957-02-06	39.45	
1957-01-20	43.75	
1957-01-10	46.05	
1956-12-31	40.36	
1956-12-15	46.95	
1956-12-05	51.20	
1956-11-25	47.15	

Date	Feet below Surface	Feet to Sealevel
1958-07-15	41.15	
1958-07-05	37.50	
1958-06-30	38.50	
1958-06-20	42.10	
1958-06-10	36.60	
1958-06-03	29.65	
1958-05-20	29.50	
1958-05-10	32.50	
1958-04-30	35.30	
1958-04-20	30.84	
1958-04-10	33.76	
1958-03-31	31.80	
1958-03-21	36.06	
1958-03-12	41.30	
1958-03-03	42.30	
1958-02-10	31.89	
1958-01-20	31.63	
1958-01-10	27.70	
1957-12-31	28.90	
1957-12-20	33.50	
1957-12-15	28.80	
1957-12-05	31.85	
1957-11-30	30.30	
1957-11-21	42.53	
1957-11-15	41.70	
1957-11-05	47.20	
1957-10-25	48.93	
1957-10-01	47.18	
1957-08-02	38.82	
1957-07-20	34.00	
1957-07-10	29.10	
1957-07-02	27.04	
1957-06-25	25.95	
1957-06-15	24.12	
1957-06-05	26.45	
1957-05-31	29.55	
1957-05-20	29.60	
1957-05-10	26.05	
1957-05-03	26.42	
1957-04-25	28.35	
1957-04-15	27.90	
1957-04-05	35.31	
1957-03-25	32.45	
1957-03-15	34.70	
1957-03-08	31.52	
1957-02-28	29.70	
1957-02-20	30.65	
1957-02-10	31.55	
1957-01-25	42.30	
1957-01-15	46.40	
1957-01-05	40.95	
1956-12-26	45.70	
1956-12-10	50.90	
1956-11-30	51.65	
1956-11-20	50.90	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1956-11-15	51.15	
1956-10-26	53.13	
1956-08-20	47.60	
1956-11-14	51.26	
1956-09-26	49.86	

B6
SE
0 - 1/8 Mile
Higher

FED USGS **USGS2493729**

Agency cd:	USGS	Site no:	302614091102501
Site name:	EB- 607		
Latitude:	302614		
Longitude:	0911025	Dec lat:	30.43741319
Dec lon:	-91.1737181	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 50T 7S R 1W
Location map:	BATON ROGUE W 163A	Map scale:	24000
Altitude:	56.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic.	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19450303
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	687	Hole depth:	759
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag.	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1956-08-22	Ground water data end date:	1956-08-22
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1956-08-22	108.10	

B7
SE
1/8 - 1/4 Mile
Higher

FED USGS **USGS2493726**

Agency cd:	USGS	Site no:	302612091102601
Site name:	EB- 129		
Latitude:	302612		
Longitude:	0911026	Dec lat:	30.43685765
Dec lon:	-91.17399589	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 50T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	56.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19300906
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	748	Hole depth:	748
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count	0	Water quality data begin date	1950-06-22
Water quality data end date:	1950-06-22	Water quality data count.	1
Ground water data begin date:	1930-09-06	Ground water data end date	1930-09-06
Ground water data count	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1930-09-06	88 00	

A8
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS2493740**

Agency cd.	USGS	Site no	302619091104001
Site name:	EB- 124		
Latitude:	302619		
Longitude:	0911040	Dec lat.	30 43880206
Dec lon:	-91.17788489	Coor meth.	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	45.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19360806
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	608	Hole depth:	610
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1951-08-01
Water quality data end date:	1951-08-01	Water quality data count:	1
Ground water data begin date:	1936-08-06	Ground water data end date:	1936-08-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1936-08-06	96.00	

A9
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS2493741**

Agency cd:	USGS	Site no:	302619091104002
Site name:	EB- 125		
Latitude:	302619		
Longitude:	0911040	Dec lat:	30.43880206
Dec lon:	-91.17788489	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	45 00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana. Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19320816
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	744	Hole depth:	744
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1932-08-16	Ground water data end date:	1953-01-22
Ground water data count:	127		

Ground-water levels, Number of Measurements: 127

Date	Feet below Surface	Feet to Sealevel
1953-01-22	97.44	
1952-12-31	96.32	
1952-12-18	98.78	
1952-12-04	101.45	
1952-11-20	106.50	
1952-11-06	130.34	
1952-10-23	136.27	
1952-10-09	138.26	
1952-09-25	140.80	
1952-05-08	103.79	
1952-04-04	77.69	
1952-02-28	77.15	
1952-02-14	79.04	
1952-01-24	83.38	
1952-01-10	84.03	
1951-12-27	86.29	
1951-12-13	93.48	
1951-11-28	102.62	
1951-11-16	114.39	
1951-10-25	115.50	
1951-10-11	141.36	
1951-09-28	143.62	
1951-09-05	143.34	
1951-08-22	140.55	
1951-08-09	135.68	
1951-07-18	132.73	
1951-06-22	125.48	
1951-06-15	120.50	
Note: A nearby site that taps the same aquifer was being pumped.		
1951-06-01	113.73	
Note: A nearby site that taps the same aquifer was being pumped.		
1951-05-28	111.42	
1951-04-26	107.57	
Note: The site was being pumped.		
1951-04-17	110.93	
1951-02-09	76.60	
1951-01-22	78.52	
1950-12-29	83.65	
1950-12-15	91.69	
1950-12-01	98.80	
1950-11-17	100.17	
1950-11-03	126.70	
1950-10-13	133.33	
1949-07-09	133.69	
1948-11-20	132.02	
1948-08-28	153.47	
1947-01-28	68.85	
1946-12-31	84.28	
1946-09-12	144.88	
1946-08-16	137.73	
1945-09-24	123.39	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-08-25	120.90	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-07-02	109.34	
Note: A nearby site that taps the same aquifer was being pumped.		

Date	Feet below Surface	Feet to Sealevel
1953-01-08	96.31	
1952-12-23	97.82	
1952-12-12	99.57	
1952-11-28	102.42	
1952-11-13	130.70	
1952-10-30	135.32	
1952-10-16	135.59	
1952-10-02	140.01	
1952-08-29	141.42	
1952-04-11	78.69	
1952-03-06	77.41	
1952-02-21	78.30	
1952-02-07	81.03	
1952-01-17	83.92	
1952-01-03	85.03	
1951-12-20	89.18	
1951-12-06	99.68	
1951-11-21	106.28	
1951-11-02	113.53	
1951-10-18	118.34	
1951-10-04	141.22	
1951-09-12	144.79	
1951-08-29	142.30	
1951-08-15	138.09	
1951-08-01	134.60	
1951-07-11	132.77	
1951-03-02	75.18	
1951-02-02	75.85	
1951-01-12	81.53	
1950-12-22	87.65	
1950-12-08	96.59	
1950-11-22	97.08	
1950-11-10	119.33	
1950-10-27	128.90	
1949-11-30	107.95	
1949-05-09	112.46	
1948-11-06	135.64	
1947-06-06	101.09	
1947-01-21	71.58	
1946-12-23	103.76	
1946-08-27	138.84	
1946-04-20	101.28	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1945-04-28	87.84	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-04-07	88.07	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-03-15	82.04	
1945-02-23	108.39	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-02-13	108.80	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-02-02	108.55	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-01-26	110.33	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-01-19	111.19	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-01-12	112.20	
Note: A nearby site that taps the same aquifer was being pumped.		
1945-01-05	114.02	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-12-22	113.85	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-12-15	104.15	
1944-12-08	114.06	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-12-01	116.04	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-11-24	116.76	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-11-16	116.70	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-11-10	109.77	
1944-11-07	112.02	
Note: A nearby site that taps the same aquifer was being pumped		
1944-10-27	127.22	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-09-01	132.92	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-08-25	141.22	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-08-18	141.03	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-08-11	140.03	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-08-04	139.55	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-07-28	138.35	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-07-21	137.16	
Note: A nearby site that taps the same aquifer was being pumped.		
1944-05-17	103.51	
1943-11-19	124.62	
1940-11-03	113.42	
1940-08-13	116.67	
1945-03-09	89.53	
1943-12-31	109.56	
1943-08-27	137.02	
1940-09-17	113.29	
1932-08-16	70.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A10 **West** **1/8 - 1/4 Mile** **Lower**		**FED USGS**	**USGS2493742**

Agency cd:	USGS	Site no:	302619091104003
Site name:	EB- 434		
Latitude:	302619		
Longitude:	0911040	Dec lat:	30.43880206
Dec lon:	-91.17788489	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	45.44		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19451201
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth	611	Hole depth:	611
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	0	Daily flow data begin date.	0000-00-00
Daily flow data end date.	0000-00-00	Daily flow data count:	0
Peak flow data begin date	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date:	1950-08-08
Water quality data end date	2002-12-30	Water quality data count	50
Ground water data begin date	1961-11-29	Ground water data end date	2002-12-30
Ground water data count	197		

Ground-water levels, Number of Measurements 197

Date	Feet below Surface	Feet to Sealevel
2002-12-30	63.73	
1999-12-14	69.44	
1997-12-17	65.66	
1996-01-26	59.89	
1992-10-19	55.43	
1990-09-20	51.79	
1989-12-15	48.63	
1988-05-26	59.70	
1987-10-20	64.02	
1987-04-27	55.97	
1986-08-19	66.75	
1986-02-21	62.05	
1985-10-10	67.15	
1985-04-13	59.16	
1984-10-02	76.09	
2000-11-27	70.27	
1999-01-04	64.10	
1996-11-26	64.22	
1993-10-04	56.79	
1991-10-23	51.96	
1990-05-10	43.24	
1988-10-12	57.78	
1988-02-26	56.98	
1987-09-04	58.42	
1986-10-29	61.87	
1986-04-11	64.00	
1985-11-19	63.60	
1985-08-08	63.02	
1984-10-16	76.24	
1984-07-19	66.40	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1984-05-09	63.51	
1984-02-08	69.80	
1983-11-14	74.52	
1983-04-05	67.10	
1982-12-03	78.90	
1982-08-02	70.20	
1982-01-19	73.60	
1981-10-09	77.64	
1981-04-02	68.54	
1980-11-03	83.79	
1980-07-11	77.30	
1980-05-05	58.25	
1979-12-05	81.34	
1979-07-12	77.42	
1979-05-17	62.62	
1978-11-15	91.63	
1978-07-28	85.45	
1978-04-06	70.09	
1977-10-27	107.23	
1977-05-31	86.50	
1977-02-24	99.13	
1976-11-09	100.72	
1976-05-18	79 75	
1976-04-13	76.10	
1975-11-12	94.33	
1975-07-14	92.16	
1975-05-06	76.96	
1975-01-20	91 30	
1974-10-23	108.24	
1974-07-15	101.65	
1974-02-04	80 50	
1973-10-09	105 32	
1973-04-04	84 01	
1972-10-12	120 12	
1972-05-26	91 55	
1972 04-19	93 07	
1971-10-05	119.95	
1971-05-10	95.98	
1970-12-16	104.38	
1970-10-26	116.79	
1970-05-14	98.36	
1970-01-08	109.89	
1969-10-21	123.45	
1969-04-30	96.54	
1968-11-19	119.64	
1968-09-30	125.10	
1968-07-18	115.15	
1968-05-03	95.14	
1968-02-29	94.51	
1968-01-04	104.39	
1967-11-07	111.30	
1967-09-12	117.61	
1967-07-06	99.47	
1967-02-07	87.33	
1966-12-15	95.85	

Date	Feet below Surface	Feet to Sealevel
1984-05-02	64.40	
1983-12-15	68.10	
1983-07-06	73.79	
1983-02-02	65.45	
1982-10-22	75.65	
1982-05-06	56.98	
1981-10-27	80.45	
1981-07-23	72.74	
1981-01-20	73.86	
1980-10-27	83.86	
1980-06-02	63.10	
1980-01-22	69.95	
1979-11-08	92.80	
1979-05-30	63.77	
1979-03-07	63.08	
1978-11-07	91.70	
1978-04-18	69.50	
1978-02-08	73.65	
1977-07-21	96.20	
1977-04-05	93.57	
1976-12-08	102.60	
1976-07-12	92.25	
1976-04-16	73.15	
1976-02-12	86.45	
1975-11-03	94 90	
1975-05-21	75 14	
1975-03-31	84 06	
1974-11-20	108 11	
1974-09-25	109.80	
1974-05-02	83.28	
1973-10-31	102.68	
1973-07-26	98.62	
1973-02-01	100 74	
1972-06-26	103 80	
1972-04-24	93 90	
1971-11-11	117 90	
1971-07-20	111.35	
1971-03-18	91.37	
1970-11-09	111 30	
1970-09-03	119 16	
1970-04-14	100.27	
1969-11-06	121 67	
1969-07-14	114 98	
1969-02-04	102 08	
1968-10-22	125.57	
1968-08-29	122.78	
1968-06-06	102.58	
1968-04-05	96.86	
1968-02-02	94.12	
1967-12-11	99.48	
1967-10-09	120.68	
1967-08-11	111.80	
1967-03-14	85.17	
1967-01-17	89.37	
1966-11-28	99.86	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1966-11-02	113.49	
1966-08-17	106.14	
1966-06-21	87.99	
1966-04-20	82.61	
1966-02-28	83.58	
1966-01-03	84.32	
1965-10-07	106.34	
1965-08-06	106.09	
1965-06-11	89.90	
1965-04-12	81.42	
1965-02-08	86.76	
1964-12-14	90.32	
1964-10-08	108.65	
1964-07-09	98.58	
1964-05-11	80.91	
1964-03-03	94.15	
1964-01-13	99.80	
1963-11-12	119.51	
1963-09-06	117.96	
1963-07-12	114.13	
1963-05-10	92.30	
1963-03-07	99.00	
1963-01-15	97.10	
1962-11-12	111.92	
1962-09-12	111.26	
1962-07-12	102.84	
1962-04-03	77.45	
1962-01-02	87.51	
1961-11-28	98.26	
1966-09-14	113.71	
1966-07-20	97.70	
1966-05-18	78.75	
1966-03-28	81.05	
1966-01-31	81.76	
1965-12-07	90.15	
1965-09-09	109.67	
1965-07-09	100.48	
1965-05-13	80.10	
1965-03-03	85.50	
1965-01-08	87.95	
1964-11-02	101.73	
1964-09-08	108.81	
1964-06-04	88.22	
1964-04-06	86.28	
1964-02-13	95.54	
1963-12-13	100.87	
1963-10-10	117.83	
1963-08-12	117.41	
1963-06-14	103.88	
1963-04-05	95.13	
1963-02-08	99.69	
1962-12-10	98.83	
1962-10-09	112.28	
1962-08-15	108.18	
1962-05-08	76.07	
1962-02-06	85.68	
1961-12-08	101.32	

C12
NNE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2493761**

Agency cd:	USGS	Site no	302639091102201
Site name.	EB- 83		
Latitude:	302639		
Longitude:	0911022	Dec lat:	30.44435747
Dec lon:	-91.17288479	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	54.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19160101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1700-FOOT SAND OF BATON ROUGE AREA		
Well depth:	1820	Hole depth:	1821
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1943-02-23	Ground water data end date:	1948-12-31
Ground water data count:	235		

Ground-water levels, Number of Measurements: 235

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-12-31	33.30		1948-12-15	35.30	
1948-12-10	36.30		1948-12-05	34.50	
1948-11-30	35.50		1948-11-25	36.30	
1948-11-20	36.80		1948-11-05	36.30	
1948-10-31	34.90		1948-10-15	31.57	
1948-10-10	32.40		1948-10-05	33.40	
1948-09-30	34.50		1948-09-25	35.80	
1948-09-20	34.10		1948-09-15	33.70	
1948-09-10	35.30		1948-09-05	33.70	
1948-08-31	33.80		1948-08-25	35.00	
1948-08-20	37.20		1948-08-05	37.60	
1948-07-31	36.50		1948-07-25	34.30	
1948-07-20	37.00		1948-07-15	35.70	
1948-07-10	35.30		1948-07-05	34.10	
1948-06-30	36.50		1948-06-25	35.10	
1948-06-20	34.90		1948-05-25	35.70	
1948-05-20	34.80		1948-05-10	32.90	
1948-05-05	33.60		1948-04-30	33.40	
1948-04-25	30.70		1948-04-20	31.30	
1948-04-15	30.60		1948-04-10	31.30	
1948-04-05	29.00		1948-03-31	28.00	
1948-03-25	29.50		1948-03-20	27.80	
1948-03-15	26.50		1948-03-10	27.20	
1948-03-05	27.10		1948-02-29	26.80	
1948-02-25	28.70		1948-02-20	28.00	
1948-02-15	30.00		1948-02-10	30.10	
1948-02-05	31.50		1948-01-31	31.00	
1948-01-25	29.30		1948-01-20	24.80	
1948-01-15	22.50		1948-01-10	24.60	
1948-01-05	24.00		1947-12-31	23.80	
1947-12-25	25.50		1947-12-20	26.80	
1947-12-15	26.00		1947-12-10	28.00	
1947-12-05	27.40		1947-11-30	26.10	
1947-11-25	29.10		1947-11-20	30.70	
1947-11-15	30.80		1947-11-10	30.40	
1947-10-31	31.00		1947-10-25	31.70	
1947-10-20	31.00		1947-10-10	32.00	
1947-10-05	30.90		1947-09-30	31.50	
1947-09-25	30.90		1947-09-20	31.10	
1947-09-15	31.90		1947-09-10	31.70	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1947-09-05	32.00	
1947-08-30	31.20	
1947-08-28	30.90	
1947-08-21	30.00	
1947-08-19	30.00	
1947-07-31	31.65	
1947-07-10	28.39	
1947-06-27	24.62	
1947-06-13	23.41	
1947-05-31	26.56	
1947-04-25	20.20	
1947-04-15	19.50	
1947-04-05	19.90	
1947-03-25	20.00	
1947-03-15	21.70	
1947-03-05	21.70	
1947-02-25	21.20	
1947-02-15	20.80	
1947-02-05	19.90	
1947-01-25	19.70	
1947-01-15	20.80	
1947-01-05	18.90	
1946-12-25	16.30	
1946-12-15	19.10	
1946-12-05	18.80	
1946-11-25	18.50	
1946-11-15	18.70	
1946-11-05	19.20	
1946-10-25	18.70	
1946-10-15	22.30	
1946-10-05	24.40	
1946-09-25	24.30	
1946-09-15	23.30	
1946-09-05	24.30	
1946-08-25	24.60	
1946-08-15	27.20	
1946-08-05	25.50	
1946-07-25	26.50	
1946-07-15	26.00	
1946-07-05	24.00	
1946-06-25	25.00	
1946-06-15	24.80	
1946-06-05	22.60	
1946-05-25	22.10	
1946-05-10	22.60	
1946-04-30	20.50	
1946-04-15	21.20	
1946-04-05	19.20	
1946-03-25	16.60	
1946-03-15	17.20	
1945-12-31	15.30	
1945-12-25	16.20	
1945-11-30	19.70	
1945-11-20	19.90	
1945-11-10	20.20	

Date	Feet below Surface	Feet to Sealevel
1947-08-31	30.30	
1947-08-29	31.00	
1947-08-27	30.80	
1947-08-20	29.80	
1947-08-07	32.00	
1947-07-24	30.85	
1947-07-03	27.10	
1947-06-20	23.37	
1947-06-06	23.03	
1947-05-23	24.29	
1947-04-20	19.20	
1947-04-10	20.60	
1947-03-31	18.30	
1947-03-20	21.70	
1947-03-10	19.70	
1947-02-28	20.80	
1947-02-20	20.90	
1947-02-10	18.90	
1947-01-31	20.80	
1947-01-20	18.90	
1947-01-10	20.60	
1946-12-31	16.90	
1946-12-20	19.90	
1946-12-10	18.60	
1946-11-30	17.60	
1946-11-20	18.40	
1946-11-10	18.80	
1946-10-31	17.10	
1946-10-20	19.50	
1946-10-10	22.70	
1946-09-30	23.30	
1946-09-20	24.50	
1946-09-10	23.00	
1946-08-31	25.10	
1946-08-20	24.60	
1946-08-10	27.70	
1946-07-31	26.80	
1946-07-20	25.60	
1946-07-10	26.20	
1946-06-30	24.70	
1946-06-20	24.90	
1946-06-10	22.90	
1946-05-31	22.80	
1946-05-15	21.40	
1946-05-05	20.60	
1946-04-25	20.40	
1946-04-10	20.40	
1946-03-31	17.20	
1946-03-20	16.60	
1946-03-10	16.10	
1945-12-29	16.12	
1945-12-23	16.64	
1945-11-25	18.90	
1945-11-15	20.10	
1945-11-05	19.30	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1945-10-31	18.80	
1945-10-20	19.40	
1945-10-10	19.40	
1945-09-30	18.20	
1945-09-25	18.30	
1945-09-20	17.20	
1945-08-25	17.60	
1945-08-15	16.80	
1945-07-31	13.90	
1945-07-20	12.50	
1945-07-10	11.30	
1945-07-02	10.10	
1945-06-10	10.83	
1945-06-01	7.11	
1944-12-01	21.60	
1944-09-28	19.37	
1944-06-14	17.58	
1944-03-28	10.18	
1944-01-26	9.31	
1943-11-20	9.50	
1943-06-03	-1.10	
1943-05-06	-2.40	
1943-02-23	-14.80	

Date	Feet below Surface	Feet to Sealevel
1945-10-25	18.30	
1945-10-15	18.70	
1945-10-05	19.40	
1945-09-28	19.66	
1945-09-22	18.36	
1945-08-31	19.20	
1945-08-20	15.30	
1945-08-05	15.00	
1945-07-25	13.00	
1945-07-15	10.60	
1945-07-09	9.64	
1945-06-25	10.07	
1945-06-08	7.86	
1945-05-31	4.98	
1944-10-30	21.46	
1944-08-19	20.57	
1944-05-08	11.38	
1944-02-19	7.79	
1943-12-21	9.14	
1943-11-11	7.71	
1943-05-20	-2.10	
1943-04-21	-4.90	

13
ESE
1/4 - 1/2 Mile
Lower

FED USGS **USGS2493717**

Agency cd:	USGS	Site no.	302605091100901
Site name:	EB-1028		
Latitude	302605		
Longitude	0911009	Dec lat	30 43491325
Dec lon:	-91 16927352	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 53T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	40.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi, Area = 1890 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	19810520
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2238	Hole depth:	2350
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
Water quality data end date: 2002-12-09
Ground water data begin date: 1981-05-20
Ground water data count: 104

Water quality data begin date: 1981-01-05
Water quality data count: 20
Ground water data end date: 2005-01-06

Ground-water levels, Number of Measurements: 104

Date	Feet below Surface	Feet to Sealevel
2005-01-06	216.61	
2004-07-26	220.79	
2004-01-13	215.08	
2003-07-07	209.97	
2003-02-17	205.98	
2002-10-08	218.81	
2002-05-16	231.44	
2001-12-12	216.39	
2001-07-05	233.69	
2001-01-17	239.33	
2000-07-21	261.17	
2000-02-10	222.31	
1999-07-26	233 36	
1999-02-08	222 70	
1998-07-24	231 12	
1998-02-03	191 31	
1997-11-11	204 41	
1997-04-30	187 40	
1997-01-06	190 42	
1996-07-09	207 77	
1996-01-17	201 84	
1995-08-04	205 07	
1995-02-08	177 66	
1994-11-02	172 99	
1994-04-25	205 15	
1993-12-28	173.99	
1993-07-26	210 84	
1993-02-16	209 21	
1992-10-22	182 04	
1992-08-06	209 44	
1992-06-24	195 78	
1992-01-14	212 04	
1991-07-15	212 48	
1991-03-29	215.08	
1988-10-12	195 89	
1988-02-26	192 41	
1987-07-31	187.72	
1986-10-29	196.20	
1986-04-11	193.70	
1985-11-27	193.20	
1985-08-09	206.25	
1984-10-01	215.95	
1984-05-02	222.80	
1984-01-05	226.73	
1983-12-13	216.00	
1983-07-06	216.30	
1983-05-19	217.10	
1983-02-04	225.65	
1982-10-22	225.10	
1982-05-12	238.90	
2004-10-05	230.75	
2004-04-02	218.38	
2003-10-01	220.77	
2003-04-22	210.99	
2002-12-09	202.91	
2002-08-05	223.00	
2002-02-19	210.64	
2001-11-14	229.38	
2001-04-17	241.15	
2000-10-23	248.74	
2000-05-16	239.62	
1999-11-16	236.29	
1999-05-05	234.67	
1998-11-23	211.43	
1998-04-08	194.43	
1998-01-02	201.55	
1997-07-25	198.77	
1997-02-11	188.61	
1996-10-08	202.76	
1996-04-22	198.78	
1995-10-31	212.39	
1995-06-16	191 51	
1994-11-17	180.93	
1994-07-26	211 80	
1994-01-14	210 20	
1993-11-30	202 85	
1993-05-05	205.25	
1992-10-22	182 12	
1992-08-10	174 00	
1992-06-26	194 69	
1992-04-13	207 27	
1991-11-14	213 84	
1991-04-17	207 31	
1990-07-18	213 16	
1988-05-25	192 90	
1987-10-19	200 78	
1987-04-27	175 10	
1986-08-21	197 10	
1986-02-21	197 60	
1985-10-18	206.00	
1985-05-02	216.25	
1984-07-20	217.30	
1984-02-08	229.20	
1983-12-22	216.80	
1983-11-14	218.75	
1983-05-23	213.70	
1983-04-15	212.80	
1982-12-27	219.50	
1982-08-03	228.70	
1982-05-03	233.94	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-01-19	239.50		1981-10-06	234.97	
1981-07-23	245.19		1981-05-20	235.00	

15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2493772**

Agency cd:	USGS	Site no:	302644091101801
Site name:	EB- 817		
Latitude:	302644		
Longitude:	0911018	Dec lat:	30.44574633
Dec lon:	-91.17177366	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	62500
Altitude:	55.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi Area = 1890 sq.mi		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction	Not Reported
Date inventoried	Not Reported	Mean greenwich time offset.	CST
Local standard time flag	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2284.	Hole depth	2295
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count	0
Peak flow data begin date.	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1968-10-21
Water quality data end date:	1987-08-27	Water quality data count:	14
Ground water data begin date:	1972-11-15	Ground water data end date:	1972-11-15
Ground water data count.	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-11-15	289.00	

D16
NNE
1/2 - 1 Mile
Higher

AQUIFLOW **24778**

Site ID:	U001895145
Groundwater Flow:	NW
Average Water Depth:	9
Deep Water Depth:	Not Reported
Shallow Water Depth:	Not Reported
Date:	4/10/1990

Map ID Direction Distance Elevation		Database	EDR ID Number
17 **WSW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS2493878**

Agency cd:	USGS	Site no:	302604091110301
Site name:	EB- 738		
Latitude:	302604		
Longitude:	0911103	Dec lat:	30.43463549
Dec lon:	-91.18427393	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 51T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	50.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq mi		
Topographic	Flat surface		
Site type	Ground-water other than Spring	Date construction:	19620427
Date inventoried	Not Reported	Mean greenwich time offset:	CST
Local standard time flag	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	SALISBURY AQUIFER		
Well depth	290	Hole depth	290
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	Not Reported	Daily flow data begin date	Not Reported
Daily flow data end date	Not Reported	Daily flow data count	Not Reported
Peak flow data begin date	Not Reported	Peak flow data end date	Not Reported
Peak flow data count	Not Reported	Water quality data begin date	Not Reported
Water quality data end date	Not Reported	Water quality data count	Not Reported
Ground water data begin date	Not Reported	Ground water data end date	Not Reported
Ground water data count	Not Reported		

Ground-water levels, Number of Measurements. 0

D18 **NNE** **1/2 - 1 Mile** **Higher**		**FED USGS**	**USGS2493782**

Agency cd	USGS	Site no	302648091102301
Site name.	EB- 128		
Latitude:	302648		
Longitude:	0911023	Dec lat:	30.44685741
Dec lon:	-91.17316259	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	57.02		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	970	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1940-08-22	Ground water data end date:	2005-01-06
Ground water data count:	1783		

Ground-water levels, Number of Measurements: 1783

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-01-06	83.47		2004-10-05	91.13	
2004-07-26	85.17		2004-04-02	85.75	
2004-01-13	88.77		2003-10-01	89.42	
2003-07-08	87.09		2003-04-22	84.08	
2003-02-14	84.88		2002-10-08	86.73	
2002-08-05	85.68		2002-05-16	84.87	
2002-02-19	84.35		2001-11-14	90.81	
2001-07-06	84.60		2001-04-17	83.12	
2001-01-17	89.14		2000-10-23	96.55	
2000-07-17	93.67		2000-05-15	91.54	
2000-02-11	92.69		1999-11-16	93.68	
1999-07-26	87.04		1994-11-17	76.47	
1994-07-25	73.40		1994-04-21	66.20	
1994-01-14	71.25		1993-11-29	68.70	
1993-07-14	74.50		1993-05-04	67.91	
1993-02-17	65.20		1992-11-25	65.33	
1992-07-30	68.36		1992-04-13	62.40	
1992-01-14	65.93		1991-12-12	66.73	
1991-07-15	63.05		1991-04-17	61.21	
1991-01-24	63.51		1990-11-02	67.07	
1990-07-10	60.83		1990-06-15	61.08	
1990-04-17	63.16		1990-02-21	65.28	
1989-11-14	65.80		1989-07-12	60.40	
1989-04-03	61.08		1989-01-25	65.96	
1988-10-12	72.89		1988-05-26	71.73	
1988-02-26	70.16		1987-10-20	76.49	
1987-09-04	74.67		1987-04-24	70.48	
1986-10-31	77.09		1986-08-19	80.00	
1986-04-11	78.00		1986-02-21	80.00	
1985-10-24	84.05		1985-08-08	74.78	
1985-04-15	72.23		1984-10-16	86.58	
1984-10-02	86.25		1984-07-19	79.20	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1984-05-09	76.85	
1983-11-14	86.17	
1983-04-12	79.75	
1982-10-08	90.35	
1982-05-06	76.88	
1981-10-09	89.41	
1981-04-02	83.88	
1980-10-27	96.92	
1980-05-07	76.02	
1979-11-08	102.67	
1979-05-17	79.15	
1978-11-07	102.08	
1978-04-06	84.59	
1977-11-18	109.20	
1977-04-05	103.58	
1976-11-09	107.65	
1976-04-16	90.03	
1975-11-03	102.25	
1975-07-14	98.23	
1975-01-20	103.07	
1974-07-15	108.70	
1974-02-04	97.00	
1973-08-02	108.58	
1973-02-01	109 72	
1972-06-26	111 44	
1972-02-18	107 04	
1971-07-20	117 47	
1970-12-21	113.21	
1970-09-04	124 38	
1970-01-08	117 65	
1969-07-14	118 78	
1969-02-04	110 32	
1968-07-19	119 98	
1967-12-20	108 49	
1967-09-12	121 65	
1967-06-09	97 32	
1967-02-07	100.20	
1966-12-15	107 32	
1966-11-02	117 73	
1966-08-16	112 18	
1966-06-15	96.18	
1966-04-20	95 82	
1966-02-24	96.38	
1965-12-07	100.89	
1965-09-09	115.48	
1965-07-09	107.11	
1965-04-22	91.94	
1965-02-11	98.07	
1965-02-05	98.45	
1965-01-25	98.55	
1965-01-15	99.31	
1965-01-05	100.69	
1964-12-25	101.03	
1964-12-15	102.43	
1964-12-10	103.52	

Date	Feet below Surface	Feet to Sealevel
1984-02-15	82.25	
1983-07-06	84.30	
1983-01-31	81.50	
1982-08-02	87.10	
1982-01-22	88.13	
1981-07-23	86.80	
1981-01-20	89.34	
1980-07-10	89.53	
1980-01-22	96.95	
1979-07-16	90.40	
1979-03-07	79.90	
1978-07-28	95.80	
1978-02-08	88.80	
1977-07-21	104.36	
1977-02-24	107.80	
1976-07-12	100.59	
1976-02-13	97.64	
1975-09-15	104.74	
1975-03-31	95.60	
1974-09-26	115.68	
1974-05-16	96.45	
1973-10-09	112.74	
1973-05-24	94.80	
1972-11-24	121.63	
1972-04-18	105.02	
1971-10-21	124.76	
1971-04-19	105.38	
1970-10-26	123 68	
1970-05-14	108.69	
1969-10-21	127.85	
1969-04-30	105.35	
1968-11-19	125.80	
1968-02-29	104 80	
1967-10-09	124 55	
1967-07-06	106 01	
1967-03-23	97.29	
1967-01-17	101.83	
1966-11-28	109.98	
1966-09-09	117 47	
1966-07-21	105 66	
1966-05-19	93.05	
1966-03-29	95.56	
1966-01-12	96 44	
1965-10-07	113 15	
1965-08-06	111.83	
1965-06-11	99.75	
1965-03-03	97.07	
1965-02-10	98.10	
1965-01-31	98.31	
1965-01-20	98.93	
1965-01-10	100.19	
1964-12-31	100.87	
1964-12-20	101.72	
1964-12-14	102.62	
1964-12-05	104.57	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1964-11-30	105.54	
1964-11-20	106.85	
1964-11-12	108.64	
1964-11-05	110.15	
1964-10-25	112.62	
1964-10-15	114.90	
1964-10-05	116.46	
1964-09-25	116.60	
1964-09-15	116.30	
1964-09-08	115.89	
1964-08-31	115.05	
1964-08-20	113.75	
1964-08-10	113.06	
1964-07-31	111.67	
1964-07-20	110.07	
1964-07-10	108.30	
1964-07-05	102.04	
1964-06-25	105.29	
1964-06-15	103.06	
1964-06-05	100.59	
1964-05-31	98.90	
1964-05-20	95.97	
1964-05-10	96.02	
1964-04-30	97.35	
1964-04-20	98.61	
1964-04-15	99.30	
1964-04-05	100.27	
1964-03-25	102.47	
1964-03-15	104.17	
1964-03-05	104.75	
1964-02-25	105.01	
1964-02-15	105.72	
1964-02-10	106.26	
1964-01-31	107.03	
1964-01-20	108.26	
1964-01-13	109.28	
1963-12-31	109.95	
1963-12-20	110.44	
1963-12-13	111.44	
1963-12-05	113.33	
1963-11-25	115.84	
1963-11-15	119.05	
1963-11-12	119.60	
1963-10-05	123.22	
1963-09-25	123.16	
1963-09-15	122.41	
1963-09-06	122.03	
1963-08-31	121.77	
1963-08-20	121.11	
1963-08-15	120.93	
1963-08-05	120.25	
1963-07-25	118.76	
1963-07-12	117.56	
1963-07-05	116.01	
1963-06-25	112.76	

Date	Feet below Surface	Feet to Sealevel
1964-11-25	106.12	
1964-11-15	108.00	
1964-11-10	109.12	
1964-10-31	111.10	
1964-10-20	113.90	
1964-10-10	115.87	
1964-09-30	116.77	
1964-09-20	116.46	
1964-09-10	115.95	
1964-09-05	115.60	
1964-08-25	114.27	
1964-08-15	113.34	
1964-08-05	112.45	
1964-07-25	110.79	
1964-07-15	109.27	
1964-07-09	108.04	
1964-06-30	106.17	
1964-06-20	104.29	
1964-06-10	101.83	
1964-06-04	100.36	
1964-05-25	97.18	
1964-05-15	95.54	
1964-05-05	96.65	
1964-04-25	97.96	
1964-04-16	99.13	
1964-04-10	99.78	
1964-03-31	101.43	
1964-03-20	103.21	
1964-03-10	104.88	
1964-02-29	104.84	
1964-02-20	105.40	
1964-02-13	105.88	
1964-02-05	106.54	
1964-01-25	107.63	
1964-01-15	109.03	
1964-01-10	109.55	
1963-12-25	109.79	
1963-12-15	111.16	
1963-12-10	112.16	
1963-11-30	114.57	
1963-11-20	117.43	
1963-11-13	111.44	
1963-10-11	122.79	
1963-09-30	123.44	
1963-09-20	122.70	
1963-09-10	122.11	
1963-09-05	122.03	
1963-08-25	121.37	
1963-08-19	121.12	
1963-08-10	120.74	
1963-07-31	119.97	
1963-07-20	117.63	
1963-07-10	117.20	
1963-06-30	114.55	
1963-06-20	111.14	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1963-06-15	109.96	
1963-06-10	108.62	
1963-05-31	106.10	
1963-05-20	103.15	
1963-05-15	101.95	
1963-05-05	102.14	
1963-04-25	102.27	
1963-04-15	102.70	
1963-04-05	103.62	
1963-03-25	104.45	
1963-03-15	105.10	
1963-03-10	105.57	
1963-02-28	106.17	
1963-02-20	106.05	
1963-02-13	106.42	
1963-02-05	106.29	
1963-01-25	104.97	
1963-01-15	105 10	
1963-01-05	105 48	
1962-12-25	104.97	
1962-12-15	105 10	
1962-12-10	107 15	
1962-11-30	109 18	
1962-11-20	112 99	
1962-11-12	115 43	
1962-11-05	116 47	
1962-10-25	116 25	
1962-10-15	116 07	
1962-10-05	116 05	
1962-09-25	115 50	
1962-09-15	114 98	
1962-09-10	114 76	
1962-08-31	113 93	
1962-08-20	112 52	
1962-08-10	110 97	
1962-07-31	109 88	
1962-07-20	108 30	
1962-07-12	106 61	
1962-07-05	104 69	
1962-06-25	102 15	
1962-06-15	99 36	
1962-06-05	95 45	
1962-05-25	90.83	
1962-05-15	88 17	
1962-05-08	87.46	
1962-04-25	86.85	
1962-04-15	87.27	
1962-04-05	88.89	
1962-03-31	89.65	
1962-03-10	91.20	
1962-02-06	94.96	
1962-01-25	95.54	
1962-01-15	95.96	
1962-01-05	96.76	
1961-12-25	99.22	

Date	Feet below Surface	Feet to Sealevel
1963-06-14	109.73	
1963-06-05	107.50	
1963-05-25	104.38	
1963-05-16	102.17	
1963-05-10	101.81	
1963-04-30	102.26	
1963-04-20	102.36	
1963-04-10	103.16	
1963-03-31	104.01	
1963-03-20	104.66	
1963-03-13	105.47	
1963-03-05	106.01	
1963-02-25	106.05	
1963-02-15	106.25	
1963-02-10	106.40	
1963-01-31	105.67	
1963-01-20	104.88	
1963-01-10	105.26	
1962-12-31	105.67	
1962-12-20	104.88	
1962-12-13	107.82	
1962-12-05	107.92	
1962-11-25	111 17	
1962-11-15	114 66	
1962-11-10	115.90	
1962-10-31	116 31	
1962-10-20	116 00	
1962-10-10	116 14	
1962-09-30	115 81	
1962-09-20	115 20	
1962-09-12	114 86	
1962-09-05	114 44	
1962-08-25	113 17	
1962-08-15	[illegible]	
1962-08-05	110 37	
1962-07-25	109 25	
1962-07-15	107.25	
1962-07-10	106.06	
1962-06-30	103 59	
1962-06-20	100 80	
1962-06-12	98 42	
1962-05-31	93 33	
1962-05-20	89 18	
1962-05-10	87 56	
1962-04-30	87.17	
1962-04-20	86.88	
1962-04-10	87.91	
1962-04-03	89.29	
1962-03-25	90.61	
1962-03-07	92.90	
1962-01-31	95.24	
1962-01-20	95.77	
1962-01-10	96.36	
1962-01-02	97.41	
1961-12-20	100.37	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1961-12-15	101.75	
1961-12-07	102.99	
1961-11-20	106.60	
1961-11-10	107.82	
1961-10-25	108.82	
1961-10-15	109.17	
1961-10-05	109.31	
1961-09-30	108.80	
1961-09-20	107.87	
1961-09-10	107.40	
1961-09-05	107.40	
1961-08-25	106.35	
1961-08-15	105.80	
1961-07-31	103.38	
1961-07-20	100.76	
1961-07-10	97.66	
1961-06-10	87.84	
1961-06-05	87 83	
1961-05-25	88 13	
1961-05-15	88 24	
1961-05-05	88 19	
1961-04-30	88 42	
1961-04-20	89 50	
1961-04-10	90 94	
1961-04-05	91 69	
1961-03-25	94 37	
1961-03-15	96 61	
1961-03-09	97 33	
1961-02-28	99 13	
1961-02-20	100 30	
1961-02-10	100 72	
1961-01-15	101 89	
1961-01-05	102 59	
1960-12-31	103 08	
1960-12-20	103 82	
1960-12-10	105 62	
1960-12-05	106 96	
1960-11-25	109 10	
1960-11-15	111 77	
1960-11-07	114 21	
1960-10-31	116.93	
1960-10-20	118 01	
1960-10-10	118 65	
1960-10-04	118.57	
1960-09-25	118.07	
1960-09-15	117.65	
1960-09-08	117.52	
1960-08-31	117.50	
1960-08-20	116.93	
1960-08-10	115.36	
1960-08-05	114.17	
1960-07-25	111.09	
1960-07-15	108.21	
1960-07-07	105.50	
1960-06-30	102.06	

Date	Feet below Surface	Feet to Sealevel
1961-12-10	102.76	
1961-11-25	105.95	
1961-11-15	107.10	
1961-10-31	108.40	
1961-10-20	109.03	
1961-10-10	109.32	
1961-10-03	109.12	
1961-09-25	108.13	
1961-09-15	107.66	
1961-09-06	107.41	
1961-08-31	107.05	
1961-08-20	105.98	
1961-08-14	105.74	
1961-07-25	102.06	
1961-07-15	99.25	
1961-07-05	95.77	
1961-06-06	87.30	
1961-05-31	87.96	
1961-05-20	88.27	
1961-05-10	88.15	
1961-05-04	88.22	
1961-04-25	88.86	
1961-04-15	90.07	
1961-04-06	91.48	
1961-03-31	92 87	
1961-03-20	95.53	
1961-03-10	97 21	
1961-03-05	98 12	
1961-02-25	99 77	
1961-02-15	100.61	
1961-02-07	100.82	
1961-01-10	102 09	
1961-01-04	102 65	
1960-12-25	103 49	
1960-12-15	104 58	
1960-12-09	105 89	
1960-11-30	108 03	
1960-11-20	110 36	
1960-11-10	113.25	
1960-11-05	115 15	
1960-10-25	117 74	
1960-10-15	118 26	
1960-10-05	118 60	
1960-09-30	118.35	
1960-09-20	117.98	
1960-09-10	117.47	
1960-09-05	117.50	
1960-08-25	117.20	
1960-08-15	116.22	
1960-08-09	115.17	
1960-07-31	112.54	
1960-07-20	109.67	
1960-07-10	106.56	
1960-07-05	104.72	
1960-06-25	100.00	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1960-06-20	97.56	
1960-06-10	93.36	
1960-06-05	92.05	
1960-05-25	91.27	
1960-05-15	90.75	
1960-05-05	90.66	
1960-04-30	90.92	
1960-04-20	91.05	
1960-04-10	91.18	
1960-03-31	90.62	
1960-03-20	90.63	
1960-03-10	91.34	
1960-03-01	92.05	
1960-02-25	92.41	
1960-02-15	93.82	
1960-02-05	95.03	
1960-01-31	95.87	
1960-01-20	97.98	
1960-01-10	99.04	
1960-01-05	99.95	
1959-12-25	102 52	
1959-12-15	104 60	
1959-12-09	106 02	
1959-11-30	108 68	
1959-11-20	111 57	
1959-11-10	115 12	
1959-11-04	116 11	
1959-10-25	115 98	
1959-10-15	116 60	
1959-10-07	117 25	
1959-09-30	117 55	
1959-09-20	117 99	
1959-09-10	118 56	
1959-09-02	117 84	
1959-08-25	116 93	
1959-08-15	115 47	
1959-08-05	113 30	
1959-07-28	113 10	
1959-07-20	111 54	
1959-07-10	109 97	
1959-07-05	108 98	
1959-06-25	106.99	
1959-06-15	104 31	
1959-06-05	101.28	
1959-05-31	99 48	
1959-05-20	95.35	
1959-04-17	93.26	
1959-04-10	94.05	
1959-03-31	94.27	
1959-03-20	95.30	
1959-03-10	96.20	
1959-02-28	97.12	
1959-02-20	97.98	
1959-02-10	98.72	
1959-02-03	99.41	

Date	Feet below Surface	Feet to Sealevel
1960-06-15	95.23	
1960-06-09	93.00	
1960-05-31	91.57	
1960-05-20	90.95	
1960-05-10	90.76	
1960-05-04	90.74	
1960-04-25	90.95	
1960-04-15	91.00	
1960-04-05	91.03	
1960-03-25	90.56	
1960-03-15	90.73	
1960-03-05	91.77	
1960-02-29	92.15	
1960-02-20	93.10	
1960-02-10	94.40	
1960-02-02	95.48	
1960-01-25	97.31	
1960-01-15	98.28	
1960-01-06	99.70	
1959-12-31	101 05	
1959-12-20	103.65	
1959-12-10	105.07	
1959-12-05	107 05	
1959-11-25	110.07	
1959-11-15	113 35	
1959-11-05	116 01	
1959-10-31	116 31	
1959-10-20	116 20	
1959-10-10	117 12	
1959-10-05	117 45	
1959-09-25	117 62	
1959-09-15	118 42	
1959-09-05	118 22	
1959-08-31	117 53	
1959-08-20	116 23	
1959-08-10	114 23	
1959-07-31	113 25	
1959-07-25	112 47	
1959-07-15	110 60	
1959-07-08	109 59	
1959-06-30	108 09	
1959-06-20	105 68	
1959-06-10	102 87	
1959-06-01	99 96	
1959-05-25	97 19	
1959-05-15	95.74	
1959-04-15	93.54	
1959-04-05	94.19	
1959-03-25	94.89	
1959-03-15	95.77	
1959-03-05	96 51	
1959-02-25	97.35	
1959-02-15	98.23	
1959-02-05	99.21	
1959-01-31	99.93	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1959-01-25	100.72	
1959-01-15	100.90	
1959-01-07	100.73	
1958-12-31	100.81	
1958-12-20	102.10	
1958-12-10	103.88	
1958-12-03	105.15	
1958-11-25	106.36	
1958-11-15	108.00	
1958-11-05	110.25	
1958-10-31	110.90	
1958-10-20	110.95	
1958-10-10	110.97	
1958-10-05	110.78	
1958-09-25	111.17	
1958-09-15	111.83	
1958-09-10	111.84	
1958-09-04	111.80	
1958-08-25	110.93	
1958-08-15	109.82	
1958-08-05	107.92	
1958-07-30	106.85	
1958-07-20	106.05	
1958-07-10	105.05	
1958-07-01	103.11	
1958-06-25	101.58	
1958-06-15	99.53	
1958-06-05	97.92	
1958-05-31	97.38	
1958-05-20	96.82	
1958-05-10	97.38	
1958-04-30	97.50	
1958-04-20	97.36	
1958-04-10	98.10	
1958-03-31	99.28	
1958-03-20	99.94	
1958-03-10	100.39	
1958-03-04	100.54	
1958-02-25	99.62	
1958-02-15	99.47	
1958-02-05	99.78	
1958-01-25	101.65	
1958-01-15	101.33	
1958-01-05	102.80	
1957-12-25	104.72	
1957-12-16	105.97	
1957-12-10	106.62	
1957-11-30	108.65	
1957-11-21	111.15	
1957-11-15	113.00	
1957-11-05	115.70	
1957-10-25	118.60	
1957-10-20	119.55	
1957-10-10	120.53	
1957-09-30	120.65	

Date	Feet below Surface	Feet to Sealevel
1959-01-20	100.89	
1959-01-10	100.92	
1959-01-05	100.78	
1958-12-25	101.85	
1958-12-15	103.07	
1958-12-05	104.77	
1958-11-30	105.93	
1958-11-20	107.09	
1958-11-10	109.23	
1958-11-04	110.40	
1958-10-25	111.01	
1958-10-15	110.98	
1958-10-09	110.84	
1958-09-30	110.82	
1958-09-20	111.59	
1958-09-11	111.86	
1958-09-05	111.83	
1958-08-31	111.42	
1958-08-20	110.47	
1958-08-10	108.93	
1958-07-31	107.02	
1958-07-25	106.35	
1958-07-15	105.70	
1958-07-05	103.85	
1958-06-30	102.78	
1958-06-20	100.53	
1958-06-10	98.70	
1958-06-03	97.69	
1958-05-25	97.02	
1958-05-15	96.97	
1958-05-05	97.60	
1958-04-25	97.48	
1958-04-15	97.62	
1958-04-05	98.65	
1958-03-25	99.58	
1958-03-15	100.11	
1958-03-05	100.60	
1958-02-28	100.01	
1958-02-20	99.55	
1958-02-10	99.51	
1958-01-31	100.08	
1958-01-20	101.00	
1958-01-10	102.02	
1957-12-31	103.72	
1957-12-20	105.45	
1957-12-15	106.12	
1957-12-05	107.45	
1957-11-25	109.90	
1957-11-20	111.50	
1957-11-10	114.30	
1957-10-31	117.06	
1957-10-24	118.94	
1957-10-15	120.35	
1957-10-05	120.52	
1957-09-25	120.95	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1957-09-20	121.42	
1957-09-15	121.60	
1957-09-05	121.60	
1957-08-25	120.98	
1957-08-15	119.90	
1957-08-05	117.88	
1957-07-31	116.80	
1957-07-20	115.40	
1957-07-10	114.10	
1957-07-02	112.96	
1957-06-20	110.80	
1957-06-10	109.10	
1957-05-31	107.40	
1957-05-20	105.20	
1957-05-10	103.20	
1957-05-03	101.82	
1957-04-25	101.95	
1957-04-15	102 05	
1957-04-05	101 85	
1957-03-25	101 05	
1957-03-15	101 43	
1957-03-08	102 38	
1957-02-28	103 06	
1957-02-20	104 32	
1957-02-10	106 21	
1957-02-01	108.23	
1957-01-10	111 90	
1956-12-31	114 55	
1956-12-20	117 15	
1956-12-10	118 45	
1956-11-30	119 03	
1956-11-20	120 55	
1956-11-14	121 20	
1956-10-12	124 45	
1956-09-14	127 81	
1956-09-09	128 42	
1956-08-31	127 94	
1956-08-20	126 99	
1956-08-14	126 09	
1956-08-05	124.29	
1956-07-25	122.02	
1956-07-16	119.69	
1956-06-20	118 70	
1956-06-10	109 82	
1956-06-05	108.59	
1956-05-29	106.98	
1956-05-20	106.22	
1956-05-10	105.72	
1956-04-30	105.42	
1956-04-20	105.62	
1956-04-10	105.48	
1956-03-31	106.30	
1956-03-20	107.81	
1956-03-10	109.00	
1956-02-29	110.35	

Date	Feet below Surface	Feet to Sealevel
1957-09-17	121.59	
1957-09-10	121.80	
1957-08-31	121.30	
1957-08-20	120.58	
1957-08-10	118.95	
1957-08-02	117.10	
1957-07-25	116.10	
1957-07-15	114.70	
1957-07-05	113.40	
1957-06-25	111.70	
1957-06-15	110.00	
1957-06-05	108.18	
1957-05-25	106.20	
1957-05-15	104.20	
1957-05-05	101.82	
1957-04-30	101.94	
1957-04-20	101.97	
1957-04-10	102.11	
1957-03-31	101.47	
1957-03-20	101.07	
1957-03-10	102.12	
1957-03-05	102.53	
1957-02-25	103.40	
1957-02-15	105.25	
1957-02-05	107 37	
1957-01-15	110 20	
1957-01-05	113 20	
1956-12-25	116.30	
1956-12-15	117 73	
1956-12-05	118 68	
1956-11-25	119 97	
1956-11-15	121 15	
1956-10-15	123.87	
1956-10-09	124 96	
1956-09-10	128 29	
1956-09-05	128.29	
1956-08-25	127 41	
1956-08-15	126.24	
1956-08-10	125 34	
1956-07-31	123 36	
1956-07-20	120 89	
1956-07-13	118 74	
1956-06-15	111 81	
1956-06-08	109 50	
1956-05-31	107.34	
1956-05-25	106.52	
1956-05-15	105.90	
1956-05-05	105.50	
1956-04-25	105.51	
1956-04-15	105.36	
1956-04-05	105.82	
1956-03-25	107.20	
1956-03-15	108.37	
1956-03-05	109.38	
1956-02-25	110.85	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1956-02-20	111.60	
1956-02-10	112.67	
1956-01-20	113.36	
1956-01-10	113.46	
1956-01-04	114.11	
1955-12-25	115.60	
1955-12-15	116.42	
1955-12-10	117.34	
1955-11-30	119.81	
1955-11-22	121.56	
1955-10-29	127.02	
1955-10-20	126.96	
1955-10-12	126.59	
1955-10-05	125.86	
1955-09-25	125.04	
1955-09-15	124.68	
1955-09-10	124.45	
1955-08-31	123 88	
1955-08-20	123 15	
1955-08-10	122.22	
1955-08-05	121.58	
1955-07-25	119.55	
1955-07-15	117 72	
1955-07-06	115 65	
1955-06-30	113 56	
1955-06-20	111 20	
1955-06-10	109 47	
1955-06-05	109 38	
1955-05-25	108 75	
1955-05-15	106 72	
1955-05-05	105 57	
1955-04-25	106 85	
1955-04-15	107 25	
1955-04-05	106 05	
1955-03-25	106 19	
1955-03-15	104 85	
1955-03-05	104 86	
1955-02-25	104 61	
1955-02-18	104 01	
1955-02-05	105 52	
1955-01-25	106 59	
1955-01-15	107 83	
1955-01-05	108 83	
1954-12-25	110 84	
1954-12-15	113.10	
1954-12-05	114.99	
1954-11-25	116.62	
1954-11-15	118.23	
1954-11-05	121.18	
1954-10-25	124.15	
1954-10-15	125.05	
1954-10-06	125.35	
1954-09-30	125.88	
1954-09-20	125.60	
1954-09-10	124.98	

Date	Feet below Surface	Feet to Sealevel
1956-02-15	112.20	
1956-01-25	113.68	
1956-01-15	113.13	
1956-01-05	113.97	
1955-12-31	114.69	
1955-12-20	115.98	
1955-12-12	117.47	
1955-12-05	118.25	
1955-11-25	120.92	
1955-11-15	123.20	
1955-10-25	127.16	
1955-10-15	126.82	
1955-10-10	126.46	
1955-09-30	125.35	
1955-09-20	124.64	
1955-09-12	124.61	
1955-09-05	124.16	
1955-08-25	123.55	
1955-08-15	122.70	
1955-08-09	122.14	
1955-07-31	120 75	
1955-07-20	118 44	
1955-07-10	116.84	
1955-07-05	115 27	
1955-06-25	112 10	
1955-06-15	110 35	
1955-06-07	109 35	
1955-05-31	109 38	
1955-05-20	107 80	
1955-05-10	105 83	
1955-04-30	105 93	
1955-04-20	107 33	
1955-04-10	106 40	
1955-03-31	105 82	
1955-03-20	105 52	
1955-03-10	104 80	
1955-02-28	104 94	
1955-02-20	104 01	
1955-02-10	105 00	
1955-01-31	106 12	
1955-01-20	107 21	
1955-01-10	108 20	
1954-12-31	109 65	
1954-12-20	111.98	
1954-12-10	114.32	
1954-11-30	115.90	
1954-11-20	117.29	
1954-11-10	119.74	
1954-10-31	122.68	
1954-10-20	124.92	
1954-10-10	125.22	
1954-10-05	125.40	
1954-09-25	126.60	
1954-09-15	125.19	
1954-09-05	124.74	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1954-08-31	124.59	
1954-08-20	124.20	
1954-08-10	122.96	
1954-07-31	122.47	
1954-07-20	121.11	
1954-07-10	114.45	
1954-06-30	115.85	
1954-06-20	112.77	
1954-06-10	110.72	
1954-05-31	110.10	
1954-05-20	110.10	
1954-05-10	109.63	
1954-05-04	108.82	
1954-04-25	106.82	
1954-04-15	105.20	
1954-04-05	105.35	
1954-03-25	105.67	
1954-03-15	106.62	
1954-03-12	106 76	
1954-01-29	110.25	
1954-01-20	109 64	
1954-01-10	111.00	
1953-12-31	112 48	
1953-12-20	115.24	
1953-12-10	118 43	
1953-12-05	120.35	
1953-11-25	122 52	
1953-11-15	122 19	
1953-11-05	122 19	
1953-10-25	122.22	
1953-10-15	122.28	
1953-10-05	120 60	
1953-09-25	119 44	
1953-09-15	118 18	
1953-09-05	117 43	
1953-08-31	116 88	
1953-08-20	115 56	
1953-05-29	94 96	
1953-05-22	94 18	
1953-04-14	90 50	
1953-04-05	91.23	
1953-03-28	91 43	
1953-03-15	92 07	
1953-03-05	93 91	
1953-02-25	94 78	
1953-02-19	95.67	
1953-02-12	97.67	
1953-02-05	97.52	
1953-01-28	98.45	
1953-01-08	99.66	
1952-12-31	100.68	
1952-12-19	102.56	
1952-12-05	104.55	
1952-11-25	105.51	
1952-11-15	107.10	

Date	Feet below Surface	Feet to Sealevel
1954-08-25	124.18	
1954-08-15	123.84	
1954-08-05	122.60	
1954-07-25	122.03	
1954-07-15	119.94	
1954-07-05	117.20	
1954-06-25	114.35	
1954-06-15	111.35	
1954-06-05	110.34	
1954-05-25	109.95	
1954-05-15	110.00	
1954-05-05	108.99	
1954-04-30	108.09	
1954-04-20	105.60	
1954-04-10	105.29	
1954-03-31	105.26	
1954-03-20	105.97	
1954-03-13	106.70	
1954-02-10	110.20	
1954-01-25	111 00	
1954-01-15	109.67	
1954-01-05	111.50	
1953-12-25	113.92	
1953-12-15	113.09	
1953-12-09	118.57	
1953-11-30	121 70	
1953-11-20	122 84	
1953-11-10	122 19	
1953-10-31	122 19	
1953-10-20	122 40	
1953-10-10	121 52	
1953-09-30	119 98	
1953-09-20	118 91	
1953-09-10	117 73	
1953-09-04	117 32	
1953-08-25	116 17	
1953-07-31	94 96	
1953-05-25	93 94	
1953-04-23	91 21	
1953-04-10	90 76	
1953-03-31	91 38	
1953-03-19	91 69	
1953-03-12	92 57	
1953-02-26	94 68	
1953-02-20	95 52	
1953-02-15	96.28	
1953-02-10	96.99	
1953-01-31	98.13	
1953-01-22	98.80	
1953-01-02	100.47	
1952-12-23	101.78	
1952-12-12	103.47	
1952-11-30	105.10	
1952-11-20	106.20	
1952-11-13	107.26	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1952-11-10	107.65	
1952-10-31	109.92	
1952-10-23	111.44	
1952-10-10	112.76	
1952-10-02	113.61	
1952-09-25	114.45	
1952-08-29	117.76	
1952-05-08	83.37	
1952-02-29	85.49	
1952-02-14	87.88	
1952-01-31	90.14	
1952-01-10	91.92	
1951-12-27	95.62	
1951-12-13	98.93	
1951-11-28	103.13	
1951-11-16	109.94	
1951-10-25	110 12	
1951-08-10	106 80	
1951-07-31	104 00	
1951-06-29	96 20	
1951-06-20	91 90	
1951-06-10	87 40	
1951-05-31	85.50	
1951-05-20	83.20	
1951-05-10	81 10	
1951-04-30	80 60	
1951-04-20	80 80	
1951-04-10	81 20	
1951-03-28	81 90	
1951-03-22	82 30	
1951-03-10	82 00	
1951-02-28	81 90	
1951-02-20	82 70	
1951-02-10	83 90	
1951-01-31	83 80	
1951-01-19	86 00	
1951-01-12	87 90	
1950-12-31	89 90	
1950-12-20	93 10	
1950-12-10	94 60	
1950-12-02	95 80	
1950-11-20	97 20	
1950-11-10	99 60	
1950-10-31	100 40	
1950-10-20	102.20	
1950-10-10	102.60	
1950-09-30	102.10	
1950-09-20	100.40	
1950-09-10	99.40	
1950-08-31	98.20	
1950-08-20	97.70	
1950-08-10	96.90	
1950-07-31	96.10	
1950-07-20	95.10	
1950-07-10	92.30	

Date	Feet below Surface	Feet to Sealevel
1952-11-07	108.39	
1952-10-30	110.06	
1952-10-16	112.28	
1952-10-09	112.78	
1952-09-30	113.83	
1952-09-23	114.73	
1952-08-06	109.33	
1952-04-11	84.34	
1952-02-21	86.57	
1952-02-07	89.12	
1952-01-24	89.59	
1952-01-03	92.89	
1951-12-20	97.49	
1951-12-06	100.83	
1951-11-21	105.26	
1951-11-02	109.56	
1951-08-15	108.30	
1951-08-05	104.70	
1951-07-26	103.20	
1951-06-25	94.40	
1951-06-15	89 40	
1951-06-05	85.90	
1951-05-25	83.70	
1951-05-15	82.20	
1951-05-05	80 80	
1951-04-25	80.60	
1951-04-15	81 10	
1951-04-05	81 50	
1951-03-25	82 30	
1951-03-15	82 00	
1951-03-05	81 80	
1951-02-25	82 30	
1951-02-15	83 40	
1951-02-03	83 70	
1951-01-27	84 50	
1951-01-15	87 10	
1951-01-02	89 40	
1950-12-25	91 50	
1950-12-15	94 00	
1950-12-05	95 20	
1950-11-22	101 97	
1950-11-15	98 20	
1950-11-05	99 90	
1950-10-25	101 50	
1950-10-15	103.00	
1950-10-05	102.60	
1950-09-25	101.10	
1950-09-15	99.70	
1950-09-05	98.90	
1950-08-25	98.00	
1950-08-15	97.50	
1950-08-05	96.50	
1950-07-25	95.90	
1950-07-15	94.00	
1950-07-07	91.30	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1950-06-25	86.60	
1950-06-15	82.60	
1950-06-03	79.40	
1950-05-25	77.70	
1950-05-15	77.20	
1950-05-05	77.00	
1950-04-25	76.40	
1950-04-15	76.90	
1950-04-05	76.20	
1950-03-09	78.20	
1950-02-28	78.70	
1950-02-20	80.40	
1950-02-10	82.50	
1950-01-31	84.80	
1950-01-20	88.40	
1950-01-10	91.50	
1949-12-31	94.50	
1949-12-20	97.20	
1949-12-12	99.03	
1949-11-30	102.90	
1949-11-20	106 00	
1949-11-10	109 40	
1949-10-31	111 90	
1949-10-20	114 10	
1949-10-10	116 50	
1949-09-29	117.12	
1949-09-15	115.64	
1949-09-05	114 80	
1949-08-25	113 30	
1949-08-15	111 10	
1949-08-05	109 00	
1949-07-25	105 80	
1949-07-15	101 90	
1949-07-03	98 80	
1949-06-25	96 80	
1949-06-15	93 30	
1949-06-05	89 30	
1949-05-25	87 40	
1949-05-15	87 10	
1949-05-05	86 30	
1949-04-25	85.00	
1949-04-15	84 50	
1949-04-05	84.60	
1949-03-25	85.10	
1949-03-15	86.30	
1949-03-05	88.40	
1949-02-25	89.10	
1949-02-15	89.90	
1949-01-27	94.10	
1949-01-20	97.40	
1949-01-10	99.40	
1948-12-31	100.10	
1948-12-20	101.10	
1948-12-10	102.20	
1948-11-30	103.10	

Date	Feet below Surface	Feet to Sealevel
1950-06-23	85.50	
1950-06-10	81.40	
1950-05-31	78.50	
1950-05-20	77.40	
1950-05-10	77.40	
1950-04-30	76.80	
1950-04-20	76.60	
1950-04-10	77.00	
1950-03-31	75.60	
1950-03-05	78.70	
1950-02-25	79.40	
1950-02-15	81.30	
1950-02-01	84.60	
1950-01-25	86.60	
1950-01-15	89.90	
1950-01-05	93.00	
1949-12-25	96.10	
1949-12-15	98.40	
1949-12-05	101.30	
1949-11-25	104.20	
1949-11-15	107.50	
1949-11-05	110.90	
1949-10-25	113.10	
1949-10-15	115.30	
1949-10-06	117 09	
1949-09-22	116.32	
1949-09-10	115 50	
1949-08-31	114 10	
1949-08-20	112 40	
1949-08-10	110 00	
1949-07-31	107 70	
1949-07-20	104 00	
1949-07-10	100 60	
1949-06-30	97 90	
1949-06-20	95 20	
1949-06-10	91 50	
1949-05-31	87 60	
1949-05-20	87 20	
1949-05-10	86 80	
1949-04-30	85 40	
1949-04-20	84 80	
1949-04-10	84 40	
1949-03-31	84 80	
1949-03-20	85 70	
1949-03-10	87 40	
1949-02-28	88.90	
1949-02-20	89.50	
1949-02-10	90.60	
1949-01-25	95.10	
1949-01-15	98.40	
1949-01-05	99.60	
1948-12-25	100.80	
1948-12-15	101.50	
1948-12-05	102.70	
1948-11-25	104.10	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1948-11-20	104.80	
1948-11-10	106.60	
1948-10-30	106.00	
1948-10-22	111.00	
1948-09-30	114.50	
1948-09-20	115.60	
1948-09-10	115.10	
1948-08-31	113.40	
1948-08-20	111.60	
1948-08-10	109.60	
1948-07-31	109.40	
1948-07-23	104.50	
1948-07-10	97.00	
1948-07-02	90.80	
1948-06-20	79.80	
1948-06-10	75.40	
1948-05-31	74.20	
1948-05-15	73.50	
1948-05-05	73.40	
1948-04-25	75.00	
1948-04-15	75.90	
1948-04-05	76.80	
1948-03-25	77.00	
1948-03-15	77.90	
1948-03-05	79.30	
1948-02-25	81.30	
1948-02-15	83.00	
1948-02-05	82.00	
1948-01-25	80.80	
1948-01-15	80.70	
1948-01-05	80.10	
1947-12-25	82.90	
1947-12-15	84.20	
1947-11-30	85.60	
1947-11-20	87.50	
1947-11-10	89.10	
1947-10-31	91.20	
1947-10-20	94.90	
1947-10-10	99.50	
1947-09-30	101.10	
1947-09-20	99.70	
1947-09-10	98.10	
1947-08-31	97.10	
1947-08-20	95.20	
1947-08-10	93.00	
1947-07-31	90.60	
1947-07-20	87.90	
1947-07-10	85.60	
1947-06-13	72.90	
1947-06-05	70.90	
1947-05-25	71.60	
1947-05-10	72.90	
1947-04-30	73.40	
1947-04-20	73.10	
1947-04-07	74.50	

Date	Feet below Surface	Feet to Sealevel
1948-11-15	105.60	
1948-11-05	102.30	
1948-10-25	108.30	
1948-10-05	114.00	
1948-09-25	115.00	
1948-09-13	115.10	
1948-09-05	114.30	
1948-08-25	112.30	
1948-08-15	110.40	
1948-08-05	108.70	
1948-07-25	105.50	
1948-07-16	100.60	
1948-07-05	93.50	
1948-06-25	84.50	
1948-06-15	77.20	
1948-06-05	74.20	
1948-05-25	74.50	
1948-05-10	73.10	
1948-04-30	74.50	
1948-04-20	75.40	
1948-04-10	76.60	
1948-03-31	77.00	
1948-03-20	77.70	
1948-03-10	78.50	
1948-03-01	79.90	
1948-02-20	82.50	
1948-02-10	82.70	
1948-01-31	80.80	
1948-01-20	80.40	
1948-01-10	81.10	
1947-12-31	81.90	
1947-12-20	83.10	
1947-12-05	85.10	
1947-11-25	86.30	
1947-11-15	88.30	
1947-11-05	89.90	
1947-10-25	93.30	
1947-10-15	97.00	
1947-10-05	100.90	
1947-09-25	100.20	
1947-09-18	99.60	
1947-09-05	97.40	
1947-08-25	96.10	
1947-08-15	94.20	
1947-08-05	91.90	
1947-07-25	89.20	
1947-07-17	87.50	
1947-07-07	84.70	
1947-06-10	71.80	
1947-05-31	70.80	
1947-05-15	72.60	
1947-05-05	73.20	
1947-04-25	73.40	
1947-04-15	73.90	
1947-03-31	74.10	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1947-03-25	73.50	
1947-03-17	72.90	
1947-03-05	73.30	
1947-02-25	73.80	
1947-02-15	74.00	
1947-02-05	75.60	
1947-01-25	78.60	
1947-01-15	78.90	
1947-01-05	80.80	
1946-12-25	81.60	
1946-12-15	83.20	
1946-12-05	85.40	
1946-11-25	88.40	
1946-11-15	91.90	
1946-11-05	95.80	
1946-10-25	100.10	
1946-10-15	103.90	
1946-10-05	105.00	
1946-09-25	104 50	
1946-09-15	103.50	
1946-09-05	102.30	
1946-08-25	100.60	
1946-08-15	99.10	
1946-08-05	97.20	
1946-07-25	94 80	
1946-07-15	91 60	
1946-07-04	88 70	
1946-06-20	82.20	
1946-06-10	79 80	
1946-05-31	78 40	
1946-05-17	76 70	
1946-05-10	74 80	
1946-04-27	72 70	
1946-04-17	70 60	
1946-04-13	70 30	
1946-03-31	68 30	
1946-03-20	68 10	
1946-03-10	68 40	
1946-02-28	69.90	
1946-02-20	70 90	
1946-02-10	72 20	
1946-01-31	74.60	
1946-01-20	77 40	
1946-01-10	78.80	
1945-12-25	80.30	
1945-12-14	81.20	
1945-12-05	82.60	
1945-11-25	84.10	
1945-11-15	86.30	
1945-11-05	89.10	
1945-10-25	93.50	
1945-10-15	97.40	
1945-10-05	98.90	
1945-09-25	98.40	
1945-09-15	97.80	

Date	Feet below Surface	Feet to Sealevel
1947-03-20	73.10	
1947-03-10	73.10	
1947-02-28	73.70	
1947-02-20	73.60	
1947-02-10	74.80	
1947-01-31	76.50	
1947-01-20	78.30	
1947-01-10	80.00	
1946-12-31	81.10	
1946-12-20	82.20	
1946-12-10	84.00	
1946-11-30	86.80	
1946-11-20	90.10	
1946-11-10	94.00	
1946-10-31	97.70	
1946-10-20	102.50	
1946-10-10	104.50	
1946-09-30	104.80	
1946-09-20	104.30	
1946-09-10	102.90	
1946-08-31	101 50	
1946-08-20	99.70	
1946-08-10	98.40	
1946-07-31	96.00	
1946-07-20	93 20	
1946-07-10	89 60	
1946-06-25	84 60	
1946-06-15	80 70	
1946-06-05	79 00	
1946-05-25	77 90	
1946-05-15	76 10	
1946-05-05	74 10	
1946-04-25	72 30	
1946-04-15	70 40	
1946-04-05	68 80	
1946-03-25	67 90	
1946-03-15	67 90	
1946-03-05	69 20	
1946-02-25	70.20	
1946-02-15	71 60	
1946-02-04	73 40	
1946-01-25	76 50	
1946-01-15	78 20	
1946-01-05	79 60	
1945-12-20	80 60	
1945-12-10	81.60	
1945-11-30	83.30	
1945-11-20	85.00	
1945-11-10	87.10	
1945-10-31	90.80	
1945-10-20	95.90	
1945-10-10	98.20	
1945-09-30	99.10	
1945-09-20	98.20	
1945-09-10	97.00	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1945-09-05	96.00	
1945-08-24	94.30	
1945-08-15	92.70	
1945-08-05	90.60	
1945-07-25	87.40	
1945-07-08	81.20	
1945-06-30	78.10	
1945-06-18	72.30	
1945-06-12	70.20	
1945-05-31	69.70	
1945-05-20	70.60	
1945-05-10	71.00	
1945-04-30	72.40	
1945-04-22	73.70	
1945-04-10	75.30	
1945-03-31	77.20	
1945-03-20	80.80	
1945-03-10	84.50	
1945-02-27	88.10	
1945-02-20	90.60	
1945-02-10	90.90	
1945-01-31	92.00	
1945-01-20	93.40	
1945-01-10	94.90	
1944-12-31	96.69	
1944-12-20	96.93	
1944-12-10	97.91	
1944-11-30	99.29	
1944-11-20	101.70	
1944-11-10	105.11	
1944-10-31	108.80	
1944-10-20	112.85	
1944-10-10	114.79	
1944-09-30	115.55	
1944-09-20	115.65	
1944-09-10	115.20	
1944-08-31	114.45	
1944-08-20	113.65	
1944-08-10	112.33	
1944-07-31	110.64	
1944-07-20	108.75	
1944-07-10	107.10	
1944-06-30	105.73	
1944-06-20	103.18	
1944-06-10	100.37	
1944-05-31	98.25	
1944-05-20	98.02	
1944-05-10	98.64	
1944-04-30	99.14	
1944-04-20	99.55	
1944-04-10	100.29	
1944-03-31	101.49	
1944-03-20	102.41	
1944-03-10	103.46	
1944-02-29	104.11	

Date	Feet below Surface	Feet to Sealevel
1945-08-31	95.30	
1945-08-20	93.50	
1945-08-10	91.70	
1945-07-31	89.10	
1945-07-23	86.60	
1945-07-05	80.00	
1945-06-25	75.90	
1945-06-15	71.20	
1945-06-05	69.40	
1945-05-25	70.40	
1945-05-15	70.70	
1945-05-05	71.60	
1945-04-25	73.20	
1945-04-15	74.60	
1945-04-05	76.30	
1945-03-25	78.90	
1945-03-15	82.60	
1945-03-05	86.10	
1945-02-25	89.10	
1945-02-17	91.00	
1945-02-05	91.10	
1945-01-25	92.80	
1945-01-15	94.00	
1945-01-05	96.10	
1944-12-25	96.68	
1944-12-15	97.64	
1944-12-05	98.41	
1944-11-25	100.27	
1944-11-15	103.25	
1944-11-05	106.89	
1944-10-25	111.17	
1944-10-15	114.22	
1944-10-05	115.23	
1944-09-25	115.62	
1944-09-15	115.47	
1944-09-05	114.84	
1944-08-25	114.21	
1944-08-15	113.06	
1944-08-05	111.60	
1944-07-25	109.53	
1944-07-15	107.94	
1944-07-05	106.38	
1944-06-25	104.43	
1944-06-15	101.60	
1944-06-05	99.09	
1944-05-25	98.07	
1944-05-15	98.13	
1944-05-05	99.01	
1944-04-25	99.23	
1944-04-15	99.70	
1944-04-05	101.02	
1944-03-25	102.10	
1944-03-15	102.85	
1944-03-05	103.69	
1944-02-25	104.34	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1944-02-20	104.40	
1944-02-10	104.51	
1944-01-31	103.90	
1944-01-20	103.25	
1944-01-10	102.75	
1943-12-24	102.56	
1943-12-10	102.08	
1943-11-26	102.83	
1943-11-12	103.18	
1943-10-29	105.14	
1943-10-15	106.97	
1943-10-01	108.85	
1943-09-17	108.33	
1943-09-03	107.20	
1943-08-20	105.23	
1943-08-06	102.62	
1943-07-23	98.53	
1943-07-09	93.80	
1943-06-25	90.14	
1943-06-11	87.53	
1943-05-28	87.21	
1943-05-14	86.40	
1943-04-30	85 36	
1943-04-16	85 29	
1943-04-02	87 09	
1943-03-19	88 58	
1943-03-05	88 12	
1943-02-19	87 54	
1943-02-05	89 05	
1943-01-22	89.96	
1943-01-08	91.83	
1942-12-24	93 34	
1942-12-11	92 81	
1942-11-27	93 92	
1942-11-13	95 03	
1942-10-30	96 29	
1942-10-16	98 38	
1942-10-02	100 79	
1942-09-18	99 64	
1942-09-04	97.98	
1942-08-21	96 70	
1942-08-07	95 70	
1942-07-24	93 59	
1942-07-10	92.16	
1942-06-26	90.20	
1942-06-12	85.90	
1942-05-29	84.69	
1942-05-15	84.19	
1942-05-01	83.68	
1942-04-17	84.70	
1942-04-03	85.78	
1942-03-20	87.37	
1942-03-06	88.37	
1942-02-20	89.73	
1942-02-06	89.87	

Date	Feet below Surface	Feet to Sealevel
1944-02-15	104.65	
1944-02-05	104.38	
1944-01-25	103.46	
1944-01-15	102.84	
1944-01-05	102.67	
1943-12-17	102.45	
1943-12-03	101.77	
1943-11-19	102.40	
1943-11-05	104.12	
1943-10-22	106.05	
1943-10-08	108.09	
1943-09-24	108.85	
1943-09-11	108.16	
1943-08-27	106.52	
1943-08-12	103.80	
1943-07-30	100.59	
1943-07-16	96.21	
1943-07-02	91.94	
1943-06-18	88.44	
1943-06-04	87.26	
1943-05-21	87.03	
1943-05-07	85.75	
1943-04-23	87.06	
1943-04-09	85.69	
1943-03-26	87.73	
1943-03-12	88 77	
1943-02-26	87 55	
1943-02-12	88 43	
1943-01-29	89.68	
1943-01-15	90.83	
1943-01-01	92 97	
1942-12-18	93.33	
1942-12-04	93 04	
1942-11-20	94 18	
1942-11-06	95 75	
1942-10-23	97 08	
1942-10-09	99 90	
1942-09-25	100.36	
1942-09-11	98 91	
1942-08-28	97.25	
1942-08-14	96 32	
1942-07-31	94 84	
1942-07-17	92 08	
1942-07-03	91.55	
1942-06-19	88.16	
1942-06-05	84.75	
1942-05-22	84.55	
1942-05-08	84.00	
1942-04-25	84.13	
1942-04-10	85.19	
1942-03-27	86.43	
1942-03-13	87.81	
1942-02-27	89.02	
1942-02-13	90.15	
1942-01-30	89.55	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1942-01-24	89.46	
1942-01-09	88.36	
1941-12-26	88.86	
1941-12-12	90.33	
1941-11-28	91.75	
1941-11-14	93.61	
1941-10-31	98.41	
1941-10-17	102.79	
1941-10-03	103.63	
1941-09-19	102.98	
1941-09-05	101.98	
1941-08-22	100.81	
1941-08-08	98.10	
1941-07-25	96.32	
1941-07-11	94.66	
1941-06-27	92.64	
1941-06-13	90.38	
1941-05-30	84 98	
1941-05-16	82.50	
1941-05-02	81 74	
1941-04-18	80.69	
1941-04-04	79 00	
1941-03-21	79 79	
1941-03-07	80.53	
1941-02-21	80 36	
1941-02-07	79 98	
1941-01-24	80 70	
1941-01-10	81 48	
1940-12-27	83 13	
1940-12-06	85 49	
1940-11-22	87.23	
1940-11-08	88 89	
1940-10-25	90 33	
1940-10-12	92 44	
1940-08-22	88 38	

Date	Feet below Surface	Feet to Sealevel
1942-01-16	89.05	
1942-01-02	88.48	
1941-12-19	89.63	
1941-12-05	91.09	
1941-11-21	92.30	
1941-11-07	95.75	
1941-10-24	100.90	
1941-10-10	103.64	
1941-09-26	103.52	
1941-09-12	102.16	
1941-08-29	101.68	
1941-08-15	99.42	
1941-08-01	97.45	
1941-07-18	95.60	
1941-07-04	93.69	
1941-06-20	91.69	
1941-06-06	87.82	
1941-05-23	83.00	
1941-05-09	81.97	
1941-04-24	81.32	
1941-04-11	79.67	
1941-03-28	79.24	
1941-03-14	80.58	
1941-02-28	80.56	
1941-02-14	80 06	
1941-01-31	80 48	
1941-01-17	80 69	
1941-01-03	82 42	
1940-12-20	83 81	
1940-11-27	86.27	
1940-11-15	88 10	
1940-11-01	89 43	
1940-10-18	91 55	
1940-10-03	91 50	

19
WSW
1/2 - 1 Mile
Lower

Site ID	U000219977	
Groundwater Flow	NNW	
Average Water Depth	Not Reported	
Deep Water Depth	Not Reported	
Shallow Water Depth	Not Reported	
Date	03/1991	

AQUIFLOW **27489**

E20
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS2493877**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	302604091095801
Site name:	EB- 123		
Latitude:	302604		
Longitude:	0910958	Dec lat:	30.43463547
Dec lon:	-91.16621789	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 53T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	51.13		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19350309
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	710	Hole depth	738
Source of depth data	Not Reported		
Project number:	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count:	0
Peak flow data begin date	0000-00-00	Peak flow data end date.	0000-00-00
Peak flow data count	0	Water quality data begin date:	1947-11-18
Water quality data end date:	1962-05-09	Water quality data count	7
Ground water data begin date	1935-03-09	Ground water data end date	1988-10-12
Ground water data count	1053		

Ground-water levels. Number of Measurements 1053

Date	Feet below Surface	Feet to Sealevel
1988-10-12	69.41	
1988-02-26	65.51	
1987-09-03	69.36	
1986-10-29	70.07	
1986-04-11	69.19	
1985-10-18	73.84	
1985-04-13	66.82	
1984-10-01	80.52	
1984-05-02	70.44	
1983-11-14	79.41	
1983-04-05	73.09	
1982-10-22	80.39	
1982-05-03	64.51	
1981-10-14	82.98	
1981-04-02	74.33	
1980-10-27	87.56	
1980-05-05	65.54	
1979-11-08	94.56	
1978-11-07	94.00	
1978-04-06	75.32	
1977-11-21	102.51	
1977-04-06	93.47	
1988-05-25	68.07	
1987-10-20	72.28	
1987-04-24	64.82	
1986-08-19	74.29	
1986-02-21	70.19	
1985-08-08	71.40	
1984-10-16	81.94	
1984-07-19	72.99	
1984-02-08	75.89	
1983-07-05	77.63	
1983-01-28	70.94	
1982-08-02	77.74	
1982-01-19	78.78	
1981-07-23	76.88	
1981-01-26	79.29	
1980-07-14	82.29	
1980-01-22	75.51	
1979-03-07	69.65	
1978-07-28	88.02	
1978-02-08	78.46	
1977-07-21	97.39	
1977-02-25	98.89	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1976-11-11	100.15	
1976-04-19	80.28	
1976-03-12	81.31	
1975-11-03	94.56	
1975-07-14	91.09	
1975-05-06	78.41	
1975-04-10	82.37	
1975-03-31	84.31	
1975-02-15	86.75	
1975-02-05	88.44	
1975-01-25	90.75	
1975-01-15	92.41	
1975-01-05	94.76	
1974-12-25	97.55	
1974-12-15	101.22	
1974-12-05	103.92	
1974-11-25	104.42	
1974-11-15	106.12	
1974-11-05	105.87	
1974-09-25	106.29	
1974-07-20	99.34	
1974-07-15	98.47	
1974-07-05	97.22	
1974-06-25	95.38	
1974-06-15	94.25	
1974-06-05	91.13	
1974-05-25	87.75	
1974-05-15	86.39	
1974-05-10	85.12	
1974-04-30	83.62	
1974-02-04	81.64	
1974-01-25	83.08	
1974-01-15	85.03	
1974-01-05	86.93	
1973-12-25	88.72	
1973-12-15	92.10	
1973-12-05	96.92	
1973-11-25	99.58	
1973-11-15	99.32	
1973-11-09	99.91	
1973-11-05	100.15	
1973-10-25	101.37	
1973-10-15	102.62	
1973-10-09	102.98	
1973-10-04	102.93	
1973-07-25	96.23	
1973-07-15	93.87	
1973-05-24	81.03	
1973-05-15	81.37	
1973-05-05	82.64	
1973-04-27	83.22	
1973-04-20	83.19	
1973-04-10	83.85	
1973-03-31	85.05	
1973-03-20	87.75	

Date	Feet below Surface	Feet to Sealevel
1976-07-12	92.13	
1976-04-13	78.78	
1976-02-12	87.34	
1975-09-15	96.59	
1975-06-18	81.65	
1975-04-14	81.85	
1975-04-05	83.53	
1975-02-19	86.15	
1975-02-10	87.71	
1975-01-31	89.33	
1975-01-20	91.79	
1975-01-10	93.47	
1974-12-31	95.86	
1974-12-20	99.25	
1974-12-10	103.17	
1974-11-30	104.08	
1974-11-20	105.10	
1974-11-10	106.15	
1974-11-01	105.70	
1974-07-22	99.68	
1974-07-19	99.14	
1974-07-10	97.90	
1974-06-30	96.08	
1974-06-20	95.09	
1974-06-10	92.78	
1974-05-31	89.28	
1974-05-20	87.05	
1974-05-15	86.10	
1974-05-05	84.15	
1974-04-29	83.59	
1974-01-31	82.16	
1974-01-20	83.94	
1974-01-10	85.95	
1973-12-31	87.78	
1973-12-20	90.15	
1973-12-10	94.38	
1973-11-30	99.10	
1973-11-20	99.42	
1973-11-10	99.85	
1973-11-08	99.98	
1973-10-31	100.52	
1973-10-20	101.85	
1973-10-10	102.98	
1973-10-05	102.96	
1973-07-26	96.42	
1973-07-20	94.94	
1973-07-13	93.50	
1973-05-20	81.28	
1973-05-10	81.53	
1973-04-30	83.22	
1973-04-25	83.15	
1973-04-15	83.57	
1973-04-05	84.37	
1973-03-25	86.32	
1973-03-15	89.06	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1973-03-10	90.19	
1973-02-28	91.67	
1973-02-20	93.35	
1973-02-12	95.52	
1973-02-05	97.47	
1973-01-31	98.56	
1973-01-20	101.44	
1973-01-10	103.35	
1972-12-31	103.96	
1972-12-20	105.00	
1972-12-10	106.32	
1972-11-30	109.10	
1972-11-22	111.19	
1972-11-15	113.07	
1972-11-05	113.87	
1972-10-25	114.12	
1972-10-13	114.52	
1972-08-25	109.38	
1972-08-15	108.55	
1972-08-05	108.59	
1972-07-25	107 83	
1972-07-15	106.08	
1972-07-05	104 14	
1972-06-29	102 49	
1972-06-20	99 63	
1972-06-15	98.15	
1972-06-05	93 60	
1972-05-26	91.23	
1972-05-20	91 43	
1972-04-19	93 76	
1972-04-10	93.63	
1972-03-31	93 11	
1972-03-10	95 05	
1972-03-06	95 88	
1972-01-05	101 60	
1971-12-25	103 85	
1971-12-03	110 25	
1971-11-25	113 37	
1971-11-15	113.97	
1971-11-05	113 37	
1971-10-27	113 90	
1971-10-20	114 50	
1971-10-10	115 43	
1971-10-04	115 21	
1971-09-25	114 37	
1971-09-17	113.63	
1971-09-10	113.63	
1971-08-31	113.20	
1971-08-24	111.78	
1971-08-17	111.05	
1971-08-10	111.24	
1971-07-31	110.07	
1971-07-25	108.53	
1971-07-15	107.71	
1971-07-05	106.18	

Date	Feet below Surface	Feet to Sealevel
1973-03-05	91.04	
1973-02-25	92.23	
1973-02-15	94.64	
1973-02-10	96.23	
1973-02-01	98.37	
1973-01-25	99.94	
1973-01-15	102.96	
1973-01-05	103.55	
1972-12-25	104.50	
1972-12-15	105.65	
1972-12-05	107.57	
1972-11-25	110.38	
1972-11-20	111.70	
1972-11-10	113.87	
1972-10-31	113.91	
1972-10-20	114.49	
1972-08-31	110.53	
1972-08-20	108.77	
1972-08-10	108.57	
1972-07-31	108.42	
1972-07-20	107 02	
1972-07-10	105.32	
1972-06-30	102.75	
1972-06-25	101 35	
1972-06-16	98 45	
1972-06-10	96 12	
1972-05-31	91 98	
1972-05-25	91 20	
1972-05-18	91 52	
1972-04-13	93 59	
1972-04-05	93 39	
1972-03-25	93.29	
1972-03-09	95 19	
1972-02-24	96 03	
1971-12-31	102 33	
1971-12-22	104 40	
1971-11-30	111 49	
1971-11-20	114 18	
1971-11-10	113.62	
1971-10-31	113 51	
1971-10-25	114 13	
1971-10-15	115 00	
1971-10-05	115 26	
1971-09-30	114 81	
1971-09-20	113 88	
1971-09-15	113.60	
1971-09-05	113.75	
1971-08-25	111.93	
1971-08-20	111.17	
1971-08-15	111.15	
1971-08-05	110.73	
1971-07-27	109.01	
1971-07-20	108.11	
1971-07-10	107.30	
1971-07-01	104.97	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1971-06-30	104.72	
1971-06-22	101.67	
1971-06-15	97.93	
1971-06-08	95.57	
1971-06-01	94.85	
1971-05-25	95.05	
1971-05-20	95.31	
1971-05-15	95.49	
1971-05-10	95.53	
1971-05-05	95.43	
1971-04-30	94.99	
1971-04-25	94.15	
1971-04-20	92.78	
1971-04-13	92.22	
1971-04-10	92.00	
1971-04-07	91.94	
1971-04-05	91.95	
1971-03-31	91.84	
1971-03-29	91.71	
1971-03-25	91.42	
1971-03-23	91.35	
1971-03-19	91.44	
1971-03-17	91.63	
1971-03-15	91.60	
1971-03-11	91.89	
1971-03-05	93.34	
1971-03-01	94.09	
1971-02-25	94.64	
1971-02-17	95.77	
1971-02-10	96.14	
1971-01-31	97.82	
1971-01-20	100.23	
1971-01-05	101.36	
1970-12-25	102.38	
1970-12-16	102.42	
1970-11-17	105.56	
1970-11-10	108.30	
1970-10-31	111.60	
1970-10-25	113.23	
1970-10-15	114.73	
1970-10-05	115.89	
1970-09-25	115.09	
1970-09-02	115.07	
1970-01-09	107.91	
1969-07-14	111.37	
1969-02-04	101.33	
1968-07-18	111.16	
1967-12-11	99.45	
1967-09-12	113.61	
1967-07-05	97.97	
1967-04-10	86.76	
1967-03-31	87.09	
1967-03-23	86.99	
1967-03-15	87.34	
1967-03-09	87.66	

Date	Feet below Surface	Feet to Sealevel
1971-06-25	102.90	
1971-06-20	100.71	
1971-06-10	95.94	
1971-06-05	95.19	
1971-05-31	94.76	
1971-05-21	95.29	
1971-05-18	95.39	
1971-05-11	95.49	
1971-05-07	95.51	
1971-05-04	95.41	
1971-04-27	94.59	
1971-04-23	93.53	
1971-04-15	92.23	
1971-04-12	92.17	
1971-04-08	91.91	
1971-04-06	91.92	
1971-04-01	91.84	
1971-03-30	91.79	
1971-03-26	91.53	
1971-03-24	91.49	
1971-03-20	91.47	
1971-03-18	91.54	
1971-03-16	91.62	
1971-03-12	91.78	
1971-03-10	92.20	
1971-03-03	93.75	
1971-02-28	94.30	
1971-02-20	95.21	
1971-02-15	95.97	
1971-02-05	96.74	
1971-01-25	99.27	
1971-01-18	100.26	
1970-12-31	101.95	
1970-12-20	102.51	
1970-11-20	104.52	
1970-11-15	106.39	
1970-11-05	110.01	
1970-10-26	112.97	
1970-10-20	114.12	
1970-10-10	115.64	
1970-09-30	115.65	
1970-09-22	114.83	
1970-05-14	97.45	
1969-10-21	119.07	
1969-04-30	96.07	
1968-11-19	116.25	
1968-02-29	93.98	
1967-10-09	115.52	
1967-08-11	108.55	
1967-04-11	86.72	
1967-04-05	87.09	
1967-03-25	87.00	
1967-03-20	87.08	
1967-03-10	87.54	
1967-03-05	87.78	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1967-02-25	88.04	
1967-02-15	88.14	
1967-02-07	89.22	
1967-01-31	89.77	
1967-01-20	90.62	
1966-12-15	96.63	
1966-12-05	98.38	
1966-11-25	100.98	
1966-11-15	105.00	
1966-11-05	108.09	
1966-10-25	110.88	
1966-10-15	111.60	
1966-10-05	111.71	
1966-09-25	111.76	
1966-09-15	111.00	
1966-09-10	110.30	
1966-08-31	108.29	
1966-08-20	105.67	
1966-08-15	104.20	
1966-08-05	101 70	
1966-07-25	99.09	
1966-07-15	96.32	
1966-07-05	93.53	
1966-06-25	91 02	
1966-06-15	86.22	
1966-06-05	81 96	
1966-05-25	81 03	
1966-05-19	81 61	
1966-05-10	82 07	
1966-04-30	83 51	
1966-04-20	85.22	
1966-04-10	85 20	
1966-03-31	84 58	
1966-03-25	84 32	
1966-03-15	83 96	
1966-03-05	84 21	
1966-02-25	86 91	
1966-02-20	88 15	
1966-02-10	87 47	
1966-01-31	84.65	
1966-01-20	84 84	
1966-01-12	86.70	
1966-01-05	87 11	
1965-12-25	88 47	
1965-12-15	90.31	
1965-12-07	92.16	
1965-11-30	93.27	
1965-11-20	94.42	
1965-11-10	97.06	
1965-10-31	101.84	
1965-10-20	103.80	
1965-10-10	104.41	
1965-09-30	104.84	
1965-09-20	105.15	
1965-09-10	107.00	

Date	Feet below Surface	Feet to Sealevel
1967-02-20	87.88	
1967-02-10	88.92	
1967-02-05	89.36	
1967-01-25	90.20	
1967-01-17	90.71	
1966-12-10	97.51	
1966-11-30	99.43	
1966-11-20	102.77	
1966-11-10	107.04	
1966-10-31	109.15	
1966-10-20	111.40	
1966-10-10	111.62	
1966-09-30	111.89	
1966-09-20	111.45	
1966-09-14	110.87	
1966-09-05	109.29	
1966-08-25	106.97	
1966-08-17	104.84	
1966-08-10	103.00	
1966-07-31	100.50	
1966-07-20	97.92	
1966-07-10	94.92	
1966-06-30	92.07	
1966-06-20	88.90	
1966-06-10	83.65	
1966-05-31	81 30	
1966-05-20	81 55	
1966-05-15	81 78	
1966-05-05	82 86	
1966-04-25	84 47	
1966-04-15	85.34	
1966-04-05	84 92	
1966-03-29	84 46	
1966-03-20	84 15	
1966-03-10	83 78	
1966-02-28	85 72	
1966-02-24	87.29	
1966-02-15	88 17	
1966-02-05	86 17	
1966-01-25	84 20	
1966-01-15	85 98	
1966-01-10	87 02	
1965-12-31	87 59	
1965-12-20	89.26	
1965-12-10	91 53	
1965-12-05	92.48	
1965-11-25	94.04	
1965-11-15	95.33	
1965-11-05	99.52	
1965-10-25	103.27	
1965-10-15	104.32	
1965-10-05	104.79	
1965-09-25	104.89	
1965-09-15	106.15	
1965-09-08	107.28	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1965-09-05	107.16	
1965-08-25	106.44	
1965-08-15	105.33	
1965-08-06	105.97	
1965-07-31	103.41	
1965-07-20	101.40	
1965-07-10	99.50	
1965-07-05	98.35	
1965-06-25	94.57	
1965-06-15	91.74	
1965-06-05	88.68	
1965-05-25	83.93	
1965-05-15	82.28	
1965-05-10	82.05	
1965-04-30	82.20	
1965-04-20	82.72	
1965-04-10	83.64	
1965-03-31	85.14	
1965-03-20	86 70	
1965-03-10	87.65	
1965-03-01	86.76	
1965-02-25	86.85	
1965-02-15	88.14	
1965-02-05	88.66	
1965-01-31	88.42	
1965-01-20	89 13	
1965-01-10	89.54	
1964-12-31	89 84	
1964-12-20	90.92	
1964-12-10	93.26	
1964-12-05	94 61	
1964-11-25	97 02	
1964-11-15	98.94	
1964-11-05	101 30	
1964-10-31	102 07	
1964-10-20	104 75	
1964-10-10	106 57	
1964-10-05	107 54	
1964-09-25	107.75	
1964-09-15	107 31	
1964-09-08	106.74	
1964-08-31	105.64	
1964-08-20	104.03	
1964-08-10	103.23	
1964-07-31	101.64	
1964-07-20	99.93	
1964-07-10	97.93	
1964-07-05	96.98	
1964-06-25	95.35	
1964-06-15	92.49	
1964-06-05	89.16	
1964-05-31	86.27	
1964-05-20	82.79	
1964-05-11	82.56	
1964-05-05	83.52	

Date	Feet below Surface	Feet to Sealevel
1965-08-31	106.93	
1965-08-20	105.92	
1965-08-10	104.38	
1965-08-05	103.95	
1965-07-25	102.33	
1965-07-15	100.41	
1965-07-09	99.31	
1965-06-30	96.48	
1965-06-20	93.23	
1965-06-10	90.29	
1965-05-31	86.39	
1965-05-20	82.84	
1965-05-13	82.08	
1965-05-05	82.10	
1965-04-25	82.25	
1965-04-15	83.11	
1965-04-05	84.34	
1965-03-25	85.77	
1965-03-15	87.38	
1965-03-05	87.15	
1965-02-28	86 76	
1965-02-20	87.52	
1965-02-10	88.24	
1965-02-01	88.47	
1965-01-25	88.65	
1965-01-15	89 45	
1965-01-05	89 75	
1964-12-25	90 20	
1964-12-15	91 87	
1964-12-09	93 52	
1964-11-30	96.22	
1964-11-20	97 67	
1964-11-10	100 20	
1964-11-02	101 66	
1964-10-25	103.65	
1964-10-15	105 63	
1964-10-08	106 84	
1964-09-30	107 84	
1964-09-20	107 64	
1964-09-10	106 89	
1964-09-05	106 27	
1964-08-25	104 62	
1964-08-15	103 57	
1964-08-05	102.55	
1964-07-25	100.83	
1964-07-15	98.84	
1964-07-09	97.72	
1964-06-30	96.38	
1964-06-20	94.03	
1964-06-10	91.06	
1964-06-04	88.60	
1964-05-25	84.30	
1964-05-15	82.08	
1964-05-10	82.79	
1964-04-30	84.11	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1964-04-25	84.84	
1964-04-15	86.28	
1964-04-10	87.11	
1964-03-31	89.19	
1964-03-20	92.56	
1964-03-10	94.65	
1964-03-03	94.65	
1964-02-25	95.16	
1964-02-15	95.70	
1964-02-05	96.90	
1964-01-31	97.07	
1964-01-20	98.66	
1964-01-10	99.85	
1963-12-31	99.98	
1963-12-20	100.10	
1963-12-10	101.47	
1963-12-05	102.61	
1963-11-25	105 53	
1963-11-15	109 39	
1963-11-05	111.63	
1963-10-31	112 30	
1963-10-20	112 76	
1963-10-10	114 23	
1963-09-30	115 34	
1963-09-20	114 70	
1963-09-10	114 05	
1963-09-05	114 10	
1963-08-25	113 66	
1963-08-15	113 29	
1963-08-10	113 12	
1963-07-31	112 73	
1963-07-20	111 88	
1963-07-10	109 95	
1963-07-01	107 60	
1963-06-25	105 25	
1963-06-15	102 20	
1963-06-05	100 02	
1963-05-25	95 80	
1963-05-16	92 78	
1963-05-10	92 47	
1963-04-30	92 04	
1963-04-20	91 90	
1963-04-10	93 54	
1963-04-01	94.88	
1963-03-25	96.00	
1963-03-15	97.37	
1963-03-10	98.00	
1963-03-04	98.71	
1963-02-12	98.93	
1963-02-05	98.75	
1963-01-20	96.65	
1963-01-14	96.94	
1963-01-07	97.43	
1962-12-10	98.45	
1962-11-15	106.00	

Date	Feet below Surface	Feet to Sealevel
1964-04-20	85.42	
1964-04-13	86.62	
1964-04-05	87.66	
1964-03-25	91.04	
1964-03-15	93.95	
1964-03-05	94.78	
1964-02-29	94.94	
1964-02-20	95.37	
1964-02-10	96.46	
1964-02-03	97.10	
1964-01-25	97.79	
1964-01-15	99.30	
1964-01-05	100.20	
1963-12-25	99.42	
1963-12-15	100.61	
1963-12-06	102.41	
1963-11-30	104.02	
1963-11-20	107.45	
1963-11-10	110.63	
1963-11-04	111.93	
1963-10-25	112.50	
1963-10-15	113.27	
1963-10-05	114.86	
1963-09-25	115 17	
1963-09-15	114 43	
1963-09-06	114 02	
1963-08-31	114 04	
1963-08-20	113 41	
1963-08-12	113 21	
1963-08-05	113 00	
1963-07-25	112 59	
1963-07-15	110 87	
1963-07-05	108 76	
1963-06-30	107 15	
1963-06-20	103 45	
1963-06-10	101 18	
1963-06-04	99 71	
1963-05-20	94 09	
1963-05-15	92.57	
1963-05-05	92 49	
1963-04-25	91 64	
1963-04-15	92 65	
1963-04-05	94 29	
1963-03-31	95 00	
1963-03-20	96.73	
1963-03-11	97.80	
1963-03-05	98.58	
1963-02-15	99.06	
1963-02-10	98.91	
1963-02-04	98.70	
1963-01-15	96.85	
1963-01-10	97.29	
1962-12-15	97.92	
1962-12-05	99.25	
1962-11-10	108.59	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1962-11-05	109.45	
1962-10-22	108.74	
1962-10-10	108.81	
1962-10-05	108.75	
1962-09-30	108.67	
1962-09-24	108.43	
1962-09-18	108.20	
1962-09-10	107.81	
1962-09-04	107.56	
1962-08-15	105.22	
1962-08-10	104.51	
1962-08-05	104.12	
1962-07-25	103.37	
1962-07-15	101.20	
1962-07-09	99.49	
1962-07-02	97.58	
1962-06-25	95.62	
1962-06-18	93.77	
1962-06-11	91.37	
1962-06-05	88.88	
1962-05-21	80.56	
1962-04-25	77.53	
1962-04-20	77.73	
1962-04-15	77.81	
1962-04-09	78.16	
1962-04-02	79.30	
1962-03-26	80.78	
1962-03-15	81.80	
1962-03-10	82.34	
1962-02-28	84.07	
1962-02-25	84.27	
1962-02-19	84.94	
1962-02-12	85.67	
1962-02-05	86.46	
1962-01-29	86.94	
1962-01-22	87.09	
1962-01-15	86.73	
1962-01-08	86.85	
1962-01-02	88.12	
1961-12-26	89.97	
1961-12-20	91.69	
1961-12-15	92.97	
1961-12-10	94.17	
1961-11-30	99.35	
1961-11-20	99.77	
1961-11-14	100.94	
1961-11-06	101.51	
1961-10-31	101.89	
1961-10-23	102.63	
1961-10-16	102.58	
1961-10-02	102.55	
1961-09-25	101.38	
1961-09-18	100.45	
1961-09-11	100.19	
1961-09-05	100.52	

Date	Feet below Surface	Feet to Sealevel
1962-10-25	108.90	
1962-10-15	108.80	
1962-10-08	108.82	
1962-10-01	108.58	
1962-09-25	108.47	
1962-09-20	108.24	
1962-09-15	108.05	
1962-09-05	107.62	
1962-08-20	105.96	
1962-08-13	104.96	
1962-08-07	104.30	
1962-07-31	103.86	
1962-07-20	102.28	
1962-07-10	99.77	
1962-07-05	98.33	
1962-06-30	96.94	
1962-06-20	94.28	
1962-06-15	92.87	
1962-06-10	90.89	
1962-06-04	88.39	
1962-05-07	77.61	
1962-04-23	77.71	
1962-04-16	77.85	
1962-04-10	78.11	
1962-04-05	78.67	
1962-03-31	79.59	
1962-03-19	81.27	
1962-03-12	82.13	
1962-03-05	83.26	
1962-02-26	84.19	
1962-02-20	84.83	
1962-02-15	85.02	
1962-02-10	86.02	
1962-01-31	86.79	
1962-01-25	87.00	
1962-01-20	87.04	
1962-01-10	86.74	
1962-01-05	87.33	
1961-12-31	88.67	
1961-12-25	90.24	
1961-12-18	92.12	
1961-12-11	93.95	
1961-12-05	95.58	
1961-11-27	98.41	
1961-11-15	100.73	
1961-11-10	101.45	
1961-11-05	101.52	
1961-10-25	102.55	
1961-10-20	102.61	
1961-10-09	102.94	
1961-09-30	102.09	
1961-09-20	100.54	
1961-09-15	100.30	
1961-09-10	100.19	
1961-08-31	100.06	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1961-08-28	99.87	
1961-08-21	98.98	
1961-08-15	99.32	
1961-08-10	98.98	
1961-07-31	97.68	
1961-07-24	96.29	
1961-07-17	93.69	
1961-07-10	89.90	
1961-07-04	88.19	
1961-06-28	85.57	
1961-06-20	81.82	
1961-06-15	79.53	
1961-06-10	77.57	
1961-05-31	77.85	
1961-05-25	78.03	
1961-05-20	78.25	
1961-05-10	77.80	
1961-05-05	77.22	
1961-04-30	77.06	
1961-04-24	77.23	
1961-04-17	78.41	
1961-04-10	79.92	
1961-04-04	81.24	
1961-03-27	83.45	
1961-03-20	86.05	
1961-03-13	87.89	
1961-02-27	91.44	
1961-02-13	91.99	
1961-01-30	93.98	
1961-01-16	93.59	
1960-12-05	97.99	
1960-11-07	106.05	
1960-10-10	111.65	
1960-09-26	111.26	
1960-09-12	110.80	
1960-08-29	111.39	
1960-08-15	110.57	
1960-08-01	107.55	
1960-07-11	102.16	
1960-06-27	95.51	
1960-06-13	87.26	
1960-05-31	84.42	
1960-05-16	85.01	
1960-05-02	82.20	
1960-04-18	82.93	
1960-04-04	82.48	
1960-03-21	81.03	
1960-03-07	81.07	
1960-02-22	82.16	
1960-02-08	84.43	
1960-01-18	88.60	
1960-01-05	90.52	
1959-12-21	95.46	
1959-12-07	102.65	
1959-11-23	112.12	

Date	Feet below Surface	Feet to Sealevel
1961-08-25	99.34	
1961-08-20	98.98	
1961-08-14	99.34	
1961-08-07	98.66	
1961-07-25	96.52	
1961-07-20	94.85	
1961-07-15	92.94	
1961-07-05	88.60	
1961-06-30	86.33	
1961-06-25	84.34	
1961-06-19	81.43	
1961-06-12	78.23	
1961-06-05	77.51	
1961-05-29	77.90	
1961-05-22	78.14	
1961-05-15	78.11	
1961-05-08	77.59	
1961-05-02	77.14	
1961-04-25	77.09	
1961-04-20	77.77	
1961-04-15	78.84	
1961-04-05	81.03	
1961-03-31	82.62	
1961-03-25	85.16	
1961-03-17	87.02	
1961-03-06	89.28	
1961-02-20	92.15	
1961-02-06	92.62	
1961-01-23	94.15	
1961-01-03	94.31	
1960-11-21	111.65	
1960-10-17	110.69	
1960-10-03	111.60	
1960-09-19	111.26	
1960-09-06	110.79	
1960-08-23	111.16	
1960-08-08	109.24	
1960-07-18	103.51	
1960-07-05	100.40	
1960-06-20	91.04	
1960-06-07	84.68	
1960-05-23	83.51	
1960-05-09	81.73	
1960-04-25	82.51	
1960-04-11	82.99	
1960-03-28	81.74	
1960-03-14	80.61	
1960-03-01	81.69	
1960-02-15	83.25	
1960-01-25	87.76	
1960-01-11	89.25	
1959-12-28	93.23	
1959-12-14	96.59	
1959-11-30	110.47	
1959-11-16	107.46	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1959-11-09	108.58	
1959-10-26	110.08	
1959-10-12	112.47	
1959-09-28	112.67	
1959-09-14	112.69	
1959-08-31	111.81	
1959-08-17	103.91	
1959-08-03	108.82	
1959-07-21	107.69	
1959-07-07	103.56	
1959-06-23	103.88	
1959-06-05	95.26	
1959-05-22	88.75	
1959-05-08	85.35	
1959-04-24	82.99	
1959-04-09	85.41	
1959-03-26	87.33	
1959-03-13	87 35	
1959-02-27	89 33	
1959-02-13	91.02	
1959-02-02	94 13	
1959-01-19	94 79	
1959-01-06	93 91	
1958-12-15	95.95	
1958-12-01	98 31	
1958-11-18	99.96	
1958-10-27	104 39	
1958-10-13	103 73	
1958-09-24	104 13	
1958-09-11	103 91	
1958-08-25	102 93	
1958-08-12	101 66	
1958-07-28	98 28	
1958-07-14	97 04	
1958-07-01	95 16	
1958-06-13	90 11	
1958-06-02	87 97	
1958-05-26	87 58	
1958-05-19	87 61	
1958-05-12	88 75	
1958-05-05	89 51	
1958-04-24	88 93	
1958-04-18	88 29	
1958-04-07	89 69	
1958-03-28	90.99	
1958-03-21	91.56	
1958-03-14	92.45	
1958-03-07	92.25	
1958-02-28	91.13	
1958-02-21	90.47	
1958-02-03	90.41	
1958-01-21	90.32	
1958-01-07	92.16	
1957-12-24	95.29	
1957-12-04	98.57	

Date	Feet below Surface	Feet to Sealevel
1959-11-02	110.19	
1959-10-19	111.21	
1959-10-07	112.82	
1959-09-21	111.81	
1959-09-08	114.53	
1959-08-25	111.36	
1959-08-10	109.49	
1959-07-27	108.06	
1959-07-13	105.06	
1959-06-30	102.21	
1959-06-16	102.85	
1959-05-28	92.24	
1959-05-14	86.49	
1959-04-30	83.56	
1959-04-16	85.23	
1959-04-02	85.51	
1959-03-19	86.74	
1959-03-05	88.23	
1959-02-20	90 14	
1959-02-06	92 31	
1959-01-27	94 26	
1959-01-12	94 62	
1958-12-29	93 65	
1958-12-08	96.53	
1958-11-24	99 29	
1958-11-03	104 12	
1958-10-20	103 06	
1958-10-02	103 69	
1958-09-18	104 46	
1958-09-02	103 47	
1958-08-19	102 62	
1958-08-05	100 12	
1958-07-21	97 78	
1958-07-08	97 40	
1958-06-23	93 37	
1958-06-06	88 39	
1958-05-29	87 66	
1958-05-23	87 67	
1958-05-16	87 94	
1958-05-09	89 19	
1958-04-28	88 99	
1958-04-21	88 59	
1958-04-16	88 29	
1958-03-31	90 72	
1958-03-24	91.09	
1958-03-17	92.07	
1958-03-10	92.51	
1958-03-03	91.75	
1958-02-24	90 45	
1958-02-17	90.59	
1958-01-28	90.46	
1958-01-14	91.05	
1957-12-31	93.94	
1957-12-11	96.89	
1957-11-21	103.00	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1957-11-08	106.86	
1957-10-01	113.34	
1957-08-02	110.02	
1957-05-03	94.79	
1956-10-26	117.94	
1956-08-28	121.64	
1948-12-17	103.22	
1947-11-17	95.09	
1939-07-01	101.30	
1935-03-09	50.69	

Date	Feet below Surface	Feet to Sealevel
1957-11-01	109.29	
1957-09-17	115.02	
1957-06-21	104.46	
1957-03-11	96.51	
1956-09-26	121.65	
1949-01-09	95.94	
1948-02-01	86.69	
1940-09-04	143.70	
1935-04-01	50.70	

E21
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS2493875**

Agency cd:	USGS	Site no:	302603091095801
Site name:	EB- 122		
Latitude:	302603		
Longitude:	0910958	Dec lat:	30.4343577
Dec lon:	-91.16621788	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 53T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	51.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi, Area = 1890 sq.mi		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19251125
Date inventoned:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	720	Hole depth:	1226
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1925-11-25	Ground water data end date:	1925-11-25
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1925-11-25	51.00	

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
22 **North** **1/2 - 1 Mile** **Higher**	Site ID:	U001898409	**AQUIFLOW**	**27470**
	Groundwater Flow:	Not Reported		
	Average Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Shallow Water Depth:	6.5		
	Date:	Not Reported		

F23
North
1/2 - 1 Mile
Higher

FED USGS **USGS2493642**

Agency cd:	USGS	Site no:	302653091103701
Site name:	EB-1148		
Latitude:	302653		
Longitude:	0911037	Dec lat:	30.44824628
Dec lon:	-91.17705159	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	57		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic	Amite, Louisiana, Mississippi, Area = 1890 sq.mi.		
Topographic	Not Reported		
Site type:	Ground-water other than Spring	Date construction	19860818
Date inventoried:	19870630	Mean greenwich time offset:	CST
Local standard time flag	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	2400-FOOT SAND OF BATON ROUGE AREA		
Well depth	2724	Hole depth:	2750
Source of depth data	driller		
Project number	Not Reported		
Real time data flag	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date	0000-00-00	Peak flow data end date.	0000-00-00
Peak flow data count.	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1986-08-18	Ground water data end date:	1986-08-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1986-08-18	150.	

F24
North
1/2 - 1 Mile
Higher

FED USGS **USGS2493644**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	302653091103703
Site name:	EB-1150		
Latitude:	302653		
Longitude:	0911037	Dec lat:	30.44824628
Dec lon:	-91.17705159	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	57.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19870421
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth	2242	Hole depth	2260
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag.	0	Daily flow data begin date	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count.	0
Peak flow data begin date:	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count:	0	Water quality data begin date	1991-07-29
Water quality data end date:	2003-02-21	Water quality data count	15
Ground water data begin date:	1987-04-21	Ground water data end date	2002-05-23
Ground water data count	3		

Ground-water levels, Number of Measurements. 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-05-23	255.90		1991-[illegible]	221.[illegible]	
1987-04-21	207				

F25
North
1/2 - 1 Mile
Higher

FED USGS **USGS2493643**

Agency cd	USGS	Site no	302653091103702
Site name	EB-1149		
Latitude	302653		
Longitude	0911037	Dec lat	30 44824628
Dec lon:	-91.17705159	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 74T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000

Altitude:	57.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19861215
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2400-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2694.	Hole depth:	2738.
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-03-25
Water quality data end date:	2003-02-21	Water quality data count:	7
Ground water data begin date:	1987-05-13	Ground water data end date:	2002-05-23
Ground water data count:	2		

Ground-water levels. Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-05-23	208 52		1987-05-13	147.	

F26
North
1/2 - 1 Mile
Higher

LA WELLS **1033005008**

Site Name:	CONVENTION 002		
Site ID	008		
Public Water Sys ID	1033005	Source:	Not Reported
Latitude/Longitude	302553 911037	Total Depth:	2260
Diameter	018	Capacity	1000
Supply Name.	BATON ROUGE WATER CO INC PO BOX 96016 BATON ROUGE. LA 70896		
Parish:	E BATON ROUGE	FIPS County Code:	033
Owner.	BATON ROUGE WATER CO	System Type:	Comm
Contact1.	KENT NAQUIN		
Telephone1:	(504) 928 - 1925		
Contact2:	DENNIS MAGEE		
Telephone2:	(504) 928 - 1000		

F27
North
1/2 - 1 Mile
Higher

LA WELLS **1033005007**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Site Name:	CONVENTION 001		
Site ID:	007		
Public Water Sys. ID:	1033005	Source:	Not Reported
Latitude/Longitude:	302653 / 911037	Total Depth:	2738
Diameter:	018	Capacity:	1625
Supply Name:	BATON ROUGE WATER CO.INC PO BOX 96016 BATON ROUGE, LA 70896		
Parish:	E BATON ROUGE	FIPS County Code:	033
Owner:	BATON ROUGE WATER CO.	System Type:	Comm
Contact1:	KENT NAQUIN		
Telephone1:	(504) 928 - 1925		
Contact2:	DENNIS MAGEE		
Telephone2:	(504) 928 - 1000		

F28
North
1/2 - 1 Mile
Higher

FRDS PWS **LA1033005**

PWS ID	LA1033005	PWS Status:	Not Reported
Date Initiated	Not Reported	Date Deactivated:	Not Reported
PWS Name	BATON ROUGE WATER CO.INC 8755 GOODWOOD BLVD BATON ROUGE, LA 70806		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	3071		
Facility name	LULA EAST PUMP STATION		
Facility type	Treatment_plant	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city:	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region:	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3073		
Facility name:	LAFAYETTE PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3074		
Facility name:	INTERSTATE PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3076		
Facility name:	GREENRIDGE PUMP STATION		
Facility type	Treatment_plant	Treatment process:	chloramines
Treatment objective	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3079		
Facility name:	GOVERNMENT SOUTH PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3080		
Facility name:	GOVERNMENT NORTH PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3085		
Facility name:	CORTANA EAST PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3087		
Facility name:	CONVENTION PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3093		
Facility name:	BANKSTON WEST PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	3096		
Facility name:	S. HARRELLS FERRY PUMP STATION		
Facility type:	Treatment_plant	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5797		
Facility name:	N. SHARP 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5798		
Facility name:	ROBIN ST. 003		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5799		
Facility name:	ROBIN ST. 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5800		
Facility name:	ROBIN ST 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5801		
Facility name:	RIDGECREST 003		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5802		
Facility name:	RIDGECREST 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5803		
Facility name:	ONEAL LANE 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5804		
Facility name	OLOL 001		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id.	5805		
Facility name	N. SHARP 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5806		
Facility name:	N. 45TH 003		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type	Private
Facility id:	5807		
Facility name.	N 45TH 002		
Facility type:	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5808		
Facility name	S CHOCTAW 001		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name:	KERR, PAT		
Original name.	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5809		
Facility name:	GOVERNMENT 007		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5810		
Facility name:	OLOL 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region	06
State:	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5811		
Facility name	SOUTHERN UNIV 001		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source:	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5812		
Facility name:	STAN AUBIN 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5805		
Facility name:	N. SHARP 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type.	CWS		
Status	Active	Owner type:	Private
Facility id:	5806		
Facility name:	N 45TH 003		
Facility type.	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5807		
Facility name	N 45TH 002		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5808		
Facility name:	S CHOCTAW 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5809		
Facility name:	GOVERNMENT 007		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5810		
Facility name	OLOL 002		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id.	5811		
Facility name:	SOUTHERN UNIV. 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5812		
Facility name:	STAN AUBIN 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5813		
Facility name:	STAN AUBIN 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5814		
Facility name:	STUMBERG 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5815		
Facility name:	TOULON 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5816		
Facility name:	TOULON 002		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5817		
Facility name:	WESTMINSTER 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5818		
Facility name:	N. 45TH 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5819		
Facility name:	LAFAYETTE 018		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type	Private
Facility id:	5820		
Facility name:	ONEAL LANE 001		
Facility type:	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name:	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5821		
Facility name	S CHOCTAW 002		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5822		
Facility name:	N. 45TH 004		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		

Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5823		
Facility name:	S. HARRELLS FERRY 001		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5824		
Facility name:	INTERSTATE 003		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5825		
Facility name:	BR METRO AIRPORT WELL		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Private
Facility id:	5826		
Facility name:	GOVERNMENT 006		
Facility type:	Well	Treatment process:	chloramines
Treatment objective:	disinfection by-products control		
Contact name:	KERR, PAT		
Original name:	KERR, PAT		
Contact phone:	225-231-0335	Contact address1:	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Pwsid:	LA1033005	Epa region:	06
State:	LA	County:	East Baton Rouge
Pws name:	BATON ROUGE WATER COMPANY		
Population Served:	385272	Pwssvcconn:	96318
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type	Private
Facility id	5827		
Facility name	BANKSTON 003		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city	BATON ROUGE
Contact zip	70896		

Pwsid	LA1033005	Epa region	06
State	LA	County	East Baton Rouge
Pws name	BATON ROUGE WATER COMPANY		
Population Served	385272	Pwssvcconn	96318
PWS Source	Groundwater		
Pws type	CWS		
Status	Active	Owner type	Private
Facility id	5828		
Facility name	BANKSTON 005		
Facility type	Well	Treatment process	chloramines
Treatment objective	disinfection by-products control		
Contact name	KERR, PAT		
Original name	KERR, PAT		
Contact phone	225-231-0335	Contact address1	Baton Rouge Water Company
Contact address2:	PO Box 96016	Contact city:	BATON ROUGE
Contact zip:	70896		

Addressee / Facility: Operator
KENT NAQUIN

Addressee / Facility: System Owner/Responsible Party
DENNIS MAGEE

Facility Latitude:	30 24 6.0000	Facility Longitude:	91 2 12.0000
Facility Latitude:	30 25 8.0000	Facility Longitude:	91 3 54.0000
Facility Latitude:	30 26 42.0000	Facility Longitude:	91 8 32.0000
Facility Latitude:	30 26 46.0000	Facility Longitude:	91 8 38.0000
Facility Latitude:	30 30 18.0000	Facility Longitude:	91 7 56.0000
Facility Latitude:	30 30 19.0000	Facility Longitude:	91 7 52.0000
Facility Latitude:	30 31 31.0000	Facility Longitude:	91 10 28.0000
Facility Latitude:	30 25 37.0000	Facility Longitude:	91 3 30.0000
Facility Latitude:	30 26 35.0000	Facility Longitude:	91 2 22.0000
Facility Latitude:	30 27 18.0000	Facility Longitude:	91 8 39.0000
Facility Latitude:	30 27 21.0000	Facility Longitude:	91 5 49.0000
Facility Latitude:	30 27 45.0000	Facility Longitude:	91 9 24.0000
Facility Latitude:	30 27 51.0000	Facility Longitude:	91 9 25.0000
Facility Latitude:	30 30 19.0000	Facility Longitude:	91 7 49.0000
Facility Latitude:	30 31 41.0000	Facility Longitude:	91 11 48.0000
Facility Latitude:	30 31 54.0000	Facility Longitude:	91 9 32.0000
Facility Latitude:	30 25 20.0000	Facility Longitude:	91 4 14.0000
Facility Latitude:	30 26 34.0000	Facility Longitude:	91 2 22.0000
Facility Latitude:	30 26 41.0000	Facility Longitude:	91 8 58.0000
Facility Latitude:	30 26 47.0000	Facility Longitude:	91 8 33.0000
Facility Latitude:	30 27 21.0000	Facility Longitude:	91 5 47.0000
Facility Latitude:	30 27 49.0000	Facility Longitude:	91 11 11.0000
Facility Latitude:	30 27 50.0000	Facility Longitude:	91 11 11.0000
Facility Latitude:	30 25 9.0000	Facility Longitude:	91 3 53.0000
Facility Latitude:	30 27 17.0000	Facility Longitude:	91 8 39.0000
Facility Latitude:	30 27 51.0000	Facility Longitude:	91 9 32.0000
Facility Latitude:	30 30 21.0000	Facility Longitude:	91 7 49.0000
Facility Latitude:	30 25 0.0000	Facility Longitude:	91 5 25.0000
Facility Latitude:	30 25 37.0000	Facility Longitude:	91 3 28.0000
Facility Latitude:	30 26 51.0000	Facility Longitude:	91 11 24.0000
Facility Latitude:	30 27 16.0000	Facility Longitude:	91 8 38.0000
Facility Latitude:	30 29 10.0000	Facility Longitude:	91 3 48.0000
Facility Latitude:	30 27 17.0000	Facility Longitude:	91 5 13.0000
Facility Latitude:	30 27 46.0000	Facility Longitude:	91 9 17.0000
Facility Latitude:	30 29 10.0000	Facility Longitude:	91 3 38.0000
Facility Latitude:	30 25 18.0000	Facility Longitude:	91 4 14.0000
Facility Latitude:	30 26 34.0000	Facility Longitude:	91 2 21.0000
Facility Latitude:	30 26 55.0000	Facility Longitude:	91 11 24.0000
Facility Latitude:	30 27 17.0000	Facility Longitude:	91 5 14.0000
Facility Latitude:	30 27 50.0000	Facility Longitude:	91 9 20.0000
Facility Latitude:	30 29 36.0000	Facility Longitude:	91 3 35.0000
Facility Latitude:	30 31 32.0000	Facility Longitude:	91 10 32.0000
Facility Latitude:	30 26 2.0000	Facility Longitude:	91 0 25.0000
Facility Latitude:	30 26 53.0000	Facility Longitude:	91 10 37.0000
Facility Latitude:	30 27 21.0000	Facility Longitude:	91 5 48.0000
Facility Latitude:	30 27 49.0000	Facility Longitude:	91 9 16.0000
Facility Latitude:	30 27 49.0000	Facility Longitude:	91 9 28.0000
Facility Latitude:	30 28 18.0000	Facility Longitude:	91 1 14.0000
Facility Latitude:	30 30 21.0000	Facility Longitude:	91 7 48.0000
Facility Latitude:	30 30 21.0000	Facility Longitude:	91 8 0.0000
Facility Latitude:	30 31 33.0000	Facility Longitude:	91 10 31.0000
City Served:	Not Reported		
Treatment Class:	Treated	Population:	350000

Violations information not reported.

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
29 **WSW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS2493865**

Agency cd:	USGS	Site no:	302559091110801
Site name:	EB- 794		
Latitude:	302559		
Longitude:	0911108	Dec lat:	30.43324664
Dec lon:	-91.18566284	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 52T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	50.18		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi, Area = 1890 sq mi		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19650724
Date inventoried:	Not Reported	Mean greenwich time offset	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2400-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2709	Hole depth:	2773
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count	0
Peak flow data begin date:	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date	1965-07-27
Water quality data end date	2002-12-26	Water quality data count	46
Ground water data begin date	1965-07-27	Ground water data end date	2004-08-02
Ground water data count	177		

Ground-water levels, Number of Measurements 177

Date	Feet below Surface	Feet to Sealevel
2004-08-02	217.61	
2003-09-23	217.61	
1993-10-01	160.27	
1991-11-08	170.33	
1990-05-11	162.27	
1988-05-26	165.34	
1987-10-19	163.64	
1986-10-27	148.56	
1986-04-11	142.30	
1985-12-06	140.40	
1985-08-08	156.98	
1984-10-16	172.10	
1984-07-19	167.40	
1984-02-15	173.10	
1983-11-14	163.30	
2003-11-18	206.52	
1994-11-04	148.08	
1992-10-21	153.88	
1990-09-20	176.52	
1988-10-12	158.27	
1988-02-26	163.85	
1987-04-27	140.38	
1986-08-20	149.40	
1986-02-21	143.40	
1985-10-10	151.00	
1985-04-13	165.29	
1984-10-01	171.90	
1984-05-07	165.10	
1983-12-13	166.50	
1983-07-06	164.85	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1983-05-19	164.55	
1983-02-04	170.45	
1982-10-22	179.90	
1982-05-13	174.90	
1982-01-19	185.98	
1981-10-14	193.66	
1981-05-08	193.76	
1981-01-20	194.85	
1980-10-28	198.60	
1980-06-05	188.61	
1980-05-05	184.88	
1979-12-04	190.30	
1979-09-21	200.90	
1979-03-07	199.91	
1978-11-06	198.02	
1978-04-13	185.86	
1978-02-08	178.80	
1977-07-21	189.23	
1977-04-05	182.90	
1976-12-14	192.90	
1976-07-12	192 64	
1976-05-20	180 48	
1976-04-16	176 41	
1975-11-10	188 02	
1975-09-15	191 57	
1975-03-31	184 05	
1974-10-29	192 55	
1974-07-19	198 00	
1974-02-07	188 00	
1973-10-09	195 75	
1973-04-05	179 68	
1972-10-24	179 84	
1972-04-24	184 70	
1972-01-05	188 89	
1971-07-20	194 0[illegible]	
1970-12-16	178 70	
1970-09-04	183 28	
1970-04-14	174 77	
1969-11-10	176 77	
1969-07-14	171 54	
1969-04-30	163.23	
1968-11-19	157 74	
1968-09-20	156 04	
1968-07-18	156.35	
1968-05-15	151.72	
1968-04-05	150.20	
1968-02-02	148.47	
1967-12-11	146.66	
1967-10-09	147.35	
1967-08-11	147.55	
1967-01-23	134.48	
1967-01-03	134.72	
1966-12-21	135.60	
1966-12-05	134.56	
1966-11-21	135.64	

Date	Feet below Surface	Feet to Sealevel
1983-04-05	169.00	
1982-12-03	173.30	
1982-08-03	175.70	
1982-04-30	176.92	
1981-10-30	193.70	
1981-07-23	192.30	
1981-04-02	195.02	
1980-11-03	198.93	
1980-07-11	196.15	
1980-06-02	188.27	
1980-01-10	196.98	
1979-11-08	200.09	
1979-07-13	204.76	
1978-11-13	197.72	
1978-08-01	195.67	
1978-04-06	185.10	
1977-10-28	185.66	
1977-05-25	183.05	
1977-02-24	186.82	
1976-11-09	188.80	
1976-05-24	180.14	
1976-05-18	179.58	
1976-02-12	182.00	
1975-11-03	187.69	
1975-07-14	184.74	
1975-01-20	189 17	
1974-09-25	188.20	
1974-05-01	192 40	
1973-10-30	197 16	
1973-07-26	192.94	
1973-02-01	176 36	
1972-06-29	189 60	
1972-04-18	183.39	
1971-10-05	193 40	
1971-05-10	187 20	
1970-11-05	182 65	
1970-05-14	179.20	
1970-01-08	174 39	
1969-10-21	177 66	
1969-05-21	160.50	
1969-02-04	159 65	
1968-10-21	157 78	
1968-08-29	153 12	
1968-06-06	152 65	
1968-05-03	152.36	
1968-02-29	148.78	
1968-01-04	145.55	
1967-11-07	149.00	
1967-09-12	150.25	
1967-06-09	136.28	
1967-01-16	134.18	
1966-12-28	135.65	
1966-12-13	135.53	
1966-11-28	135.52	
1966-11-14	135.82	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1966-11-01	133.89	
1966-09-26	132.70	
1966-09-08	133.30	
1966-08-23	133.06	
1966-08-02	131.84	
1966-06-24	127.71	
1966-05-26	122.05	
1966-05-06	119.05	
1966-04-04	122.06	
1966-03-17	120.64	
1966-02-23	121.85	
1966-01-20	122.03	
1966-01-03	123.58	
1965-10-29	121.07	
1965-10-08	120.19	
1965-09-23	118.58	
1965-09-02	117.06	
1965-08-19	118.13	
1965-07-27	113.28	
1966-10-10	132.42	
1966-09-19	132.55	
1966-08-29	132.66	
1966-08-15	132.59	
1966-07-20	130.73	
1966-06-10	125.67	
1966-05-25	121.71	
1966-04-15	123.41	
1966-03-28	121.19	
1966-03-04	121.00	
1966-01-31	123.75	
1966-01-12	122.94	
1965-12-07	124.81	
1965-10-21	121.14	
1965-10-01	119.86	
1965-09-09	119.21	
1965-08-27	116.93	
1965-08-03	115.54	

31
North
1/2 - 1 Mile
Higher

FED USGS **USGS2493651**

Agency cd	USGS	Site no:	302656091102301
Site name	EB- 596		
Latitude:	302656		
Longitude	0911023	Dec lat:	30.44907958
Dec lon	-91.1731626	Coor meth:	M
Coor accr	S	Latlong datum:	NAD27
Dec latlong datum	NAD83	District:	22
State	22	County:	033
Country	US	Land net:	S 48TS7S R 1W
Location map	BATON ROUGE W 163A	Map scale:	24000
Altitude	58.00		
Altitude method	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum.	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite, Louisiana, Mississippi, Area = 1890 sq.mi.		
Topographic.	Alluvial or marine terrace		
Site type.	Ground-water other than Spring	Date construction:	19500125
Date inventoried.	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	888	Hole depth:	888
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	1956-09-12
Water quality data end date:	1968-10-16	Water quality data count:	13
Ground water data begin date:	1950-01-25	Ground water data end date:	1950-01-25
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-01-25	86.00	

G32
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2493645**

Agency cd:	USGS	Site no:	302654091101101
Site name:	EB- 500		
Latitude:	302654		
Longitude:	0911011	Dec lat:	30.44852404
Dec lon:	-91.16982918	Coor meth:	M
Coor accr:	S	Latlong datum	NAD27
Dec latlong datum:	NAD83	District	22
State	22	County	033
Country	US	Land net	S 46T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	62500
Altitude.	57.00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic	Bayou SaraThompson Louisiana Mississippi Area = 698 sq mi		
Topographic	Alluvial or marine terrace		
Site type	Ground-water other than Spring	Date construction	19481001
Date inventoried	Not Reported	Mean greenwich time offset	CST
Local standard time flag	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	600-FOOT SAND OF BATON ROUGE AREA		
Well depth	710	Hole depth	741
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count	0
Peak flow data begin date.	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date	1951-07-26
Water quality data end date	1988-07-25	Water quality data count	69
Ground water data begin date:	1948-10-16	Ground water data end date	1988-12-15
Ground water data count	55		

Ground-water levels, Number of Measurements: 55

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-12-15	67.06		1988-05-26	71 12	
1988-02-26	68.90		1987-10-20	76.23	
1987-08-04	70.17		1987-04-27	68.29	
1986-10-29	74.43		1986-04-11	74.56	
1985-11-19	76.26		1985-10-18	78.06	
1984-11-01	87.66		1984-10-16	90.06	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1984-10-02	88.51	
1984-05-02	78.46	
1983-04-12	82.66	
1982-10-08	88.51	
1981-10-27	84.86	
1981-04-02	81.63	
1979-12-10	104.46	
1978-04-24	84.18	
1977-05-24	101.12	
1976-04-13	92.80	
1975-05-21	90.74	
1974-10-25	126.46	
1973-10-31	120.03	
1973-04-04	100.55	
1972-05-26	109.70	
1971-11-11	137.05	
1970-10-26	135.03	
1969-11-06	142.34	
1962-10-09	131.14	
1948-12-10	125.10	
1948-11-12	130.50	
1948-10-16	145.67	

Date	Feet below Surface	Feet to Sealevel
1984-05-09	77.81	
1983-11-14	86.95	
1982-12-22	83.46	
1982-05-06	69.31	
1981-10-09	91.76	
1980-11-05	99.61	
1978-11-21	106.44	
1977-06-11	103.03	
1976-05-14	95.12	
1975-11-18	110.49	
1975-05-06	91.99	
1974-05-06	100.69	
1973-04-16	101.53	
1972-10-13	138.92	
1972-04-20	110.82	
1971-05-10	112.52	
1970-04-13	119.04	
1969-05-26	114.18	
1948-12-31	138.40	
1948-12-03	126.37	
1948-11-05	132.69	

G34
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2493650**

Agency cd	USGS	Site no:	302656091101301
Site name	EB- 674		
Latitude	302656		
Longitude	0911013	Dec lat:	30.44907958
Dec lon.	-91 17038475	Coor meth:	M
Coor accr	S	Latlong datum:	NAD27
Dec latlong datum	NAD83	District.	22
State.	22	County:	033
Country:	US	Land net:	S 46T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale:	24000
Altitude:	56.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana. Mississippi. Area = 698 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19581201
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2250	Hole depth:	2253
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	1960-01-13
Water quality data end date:	1996-02-06	Water quality data count:	26
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

G35
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2493646**

Agency cd:	USGS	Site no:	302655091101001
Site name:	EB- 114A		
Latitude:	302655		
Longitude:	0911010	Dec lat:	30.44880181
Dec lon:	-91.16955139	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 48T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana. Mississippi. Area = 698 sq.mi		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19281127
Date inventoried:	Not Reported	Mean greenwich time offset	CST
Local standard time flag.	Y		
Type of ground water site:	Single well. other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	723	Hole depth:	723
Source of depth data	Not Reported		
Project number:	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count:	0
Peak flow data begin date.	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count.	0
Ground water data begin date:	1928-11-27	Ground water data end date:	1928-11-27
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1928-11-27	76.00	

G36
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2493647**

Agency cd:	USGS	Site no:	302655091101002
Site name:	EB- 114B		
Latitude:	302655		
Longitude:	0911010	Dec lat:	30.44880181
Dec lon:	-91.16955139	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 48T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19391101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	982	Hole depth	982
Source of depth data	Not Reported		
Project number:	Not Reported		
Real time data flag.	Not Reported	Daily flow data begin date	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count.	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count	Not Reported		

Ground-water levels, Number of Measurements 0

G37
NNE
1/2 - 1 Mile
Higher

FED USGS USGS2493653

Agency cc	USGS	Site no	302657091101201
Site name	EB- 112		
Latitude:	302657		
Longitude	0911012	Dec lat	30 44935735
Dec lon	-91 17010697	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District:	22
State:	22	County	033
Country:	US	Land net:	S 48T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	57.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19300107
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2254	Hole depth:	2254
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1930-01-07	Ground water data end date:	1988-10-12
Ground water data count:	155		

Ground-water levels, Number of Measurements: 155

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-10-12	226.42		1988-05-26	226.18	
1988-02-26	223.96		1987-10-20	230.55	
1987-09-04	223.92		1987-04-27	203.85	
1986-10-29	227.60		1986-08-21	229.85	
1986-04-11	224.10		1986-02-21	230.10	
1985-10-18	239.35		1985-08-08	239.02	
1985-05-02	246.00		1984-10-02	240.65	
1984-07-19	251.50		1984-05-02	251.70	
1984-02-08	260.75		1983-11-14	249.90	
1983-07-06	251.10		1983-04-12	239.10	
1983-02-02	245.35		1982-10-08	268.50	
1982-08-02	272.95		1982-05-06	270.85	
1982-01-19	274.32		1981-10-09	272.07	
1981-07-23	278.44		1981-04-02	282.60	
1981-01-20	271.00		1980-10-27	281.00	
1980-07-11	287.06		1980-05-05	283.70	
1980-01-22	282.03		1979-11-08	285.38	
1979-07-12	284.71		1979-05-17	275.65	
1979-03-07	282.57		1978-11-06	275.08	
1978-07-28	272.65		1978-04-06	279.41	
1978-02-08	272.47		1977-11-18	274.55	
1977-07-21	287.73		1977-04-05	270.94	
1977-02-24	279.73		1976-11-09	278.13	
1976-07-12	285.49		1976-04-26	272.53	
1976-04-16	271.97		1976-02-13	275.77	
1975-11-06	273.88		1975-07-15	261.81	
1975-03-31	263.56		1975-01-20	274.86	
1974-09-26	291.20		1974-07-15	296.35	
1974-05-16	293.00		1974-02-04	288.50	
1973-10-09	294.26		1973-07-26	301.20	
1973-05-23	288.80		1973-02-01	287.60	
1972-11-22	293.75		1972-06-26	293.53	
1972-04-18	282.02		1972-01-07	282.86	
1971-10-05	284.68		1971-07-20	289.74	
1971-04-19	271.97		1970-12-21	265.35	
1970-09-04	275.79		1970-05-14	271.47	
1970-01-08	261.52		1969-10-21	263.39	
1969-07-15	268.83		1969-04-30	233.98	
1969-02-04	225.57		1968-11-19	226.43	
1968-02-29	203.57		1967-12-18	206.57	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1967-02-07	197.68	
1966-09-09	188.00	
1966-04-15	171.31	
1965-12-07	177.74	
1965-06-11	173.74	
1964-12-09	158.17	
1964-03-03	148.08	
1963-09-06	144.45	
1963-03-12	141.04	
1962-10-09	146.60	
1962-06-12	136.44	
1961-12-06	132.07	
1961-06-06	128.70	
1960-12-05	123.15	
1960-06-06	123.28	
1960-02-02	108.50	
1959-12-08	108.72	
1959-11-16	108.98	
1959-11-02	111 50	
1959-10-19	110.68	
1959-10-05	114 14	
1959-09-22	111 69	
1959-09-08	109 86	
1959-08-25	108 85	
1959-08-10	109 82	
1959-07-27	111 34	
1959-07-13	112 44	
1959-06-30	117 53	
1959-06-16	110 85	
1959-05-28	114 85	
1959-05-14	108.22	
1959-04-24	103 09	
1959-04-03	102 75	
1959-03-13	107 29	
1943-11-20	11 00	
1943-05-20	-0 70	
1943-04-19	-5 10	
1930-01-07	-73 90	

Date	Feet below Surface	Feet to Sealevel
1966-12-15	191.45	
1966-06-10	177.14	
1966-03-01	162.08	
1965-09-09	169.08	
1965-03-08	168.70	
1964-06-04	152.90	
1963-12-12	144.16	
1963-06-14	149.54	
1962-12-13	146.93	
1962-09-12	142.98	
1962-03-07	131.76	
1961-09-07	130.67	
1961-03-08	121.05	
1960-09-08	130.25	
1960-03-01	109.86	
1960-01-08	100.93	
1959-11-23	110.26	
1959-11-09	110.99	
1959-10-26	109.97	
1959-10-12	111.25	
1959-09-28	110 88	
1959-09-14	110.18	
1959-08-31	110 12	
1959-08-17	110.35	
1959-08-03	111 22	
1959-07-21	114 52	
1959-07-07	113 25	
1959-06-23	115 04	
1959-06-05	112 05	
1959-05-22	112 87	
1959-04-30	107 89	
1959-04-16	103 10	
1959-03-31	103 48	
1959-03-03	[illegible]	
1943-11-11	[illegible]	
1943-05-06	-1 80	
1940-09-04	-37 00	

G38
NNE
1/2 - 1 Mile
Higher

FED USGS USGS2493654

Agency cd.	USGS	Site no.	302657091101202
Site name:	EB- 113		
Latitude:	302657		
Longitude:	0911012	Dec lat:	30.44935735
Dec lon:	-91.17010697	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 48T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000

Altitude:	57.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19241108
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1200-FOOT SAND OF BATON ROUGE AREA		
Well depth:	1235	Hole depth:	1242
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date	0000-00-00	Water quality data count:	0
Ground water data begin date	1924-11-08	Ground water data end date:	1924-11-08
Ground water data count	1		

Ground-water levels, Number of Measurements. 1

Date	Feet below Surface	Feet to Sealevel
1924-11-08	-19 00	

39
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS2493832**

Agency cd	USGS	Site no	302537091101501
Site name	EB- 777		
Latitude	302537		
Longitude	0911015	Dec lat	30 42713566
Dec lon	-91 17094019	Coor meth	M
Coor acc	F	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State	22	County	033
Country	US	Land net	S 53T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	24000
Altitude	50 00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type	Ground-water other than Spring	Date construction:	19650219
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1500-FOOT SAND OF BATON ROUGE AREA		
Well depth:	1795	Hole depth:	3210
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count: 0
Water quality data end date: 1967-12-04
Ground water data begin date: 1965-03-04
Ground water data count: 52

Water quality data begin date: 1965-03-11
Water quality data count: 2
Ground water data end date: 1966-06-21

Ground-water levels, Number of Measurements: 52

Date	Feet below Surface	Feet to Sealevel
1966-06-21	80.19	
1966-05-25	78.49	
1966-05-18	77.82	
1966-04-10	77.88	
1966-04-04	79.62	
1966-03-20	77.10	
1966-03-15	76.00	
1966-03-05	75.76	
1966-02-24	74.56	
1966-01-20	71.03	
1965-09-23	55.97	
1965-09-05	58.94	
1965-08-25	58.85	
1965-08-15	55.85	
1965-08-10	56.50	
1965-07-31	60.05	
1965-07-20	59.72	
1965-06-15	61.65	
1965-06-05	59.32	
1965-05-25	57 90	
1965-05-19	59.02	
1965-05-10	59 30	
1965-04-30	62.30	
1965-04-25	61 65	
1965-04-20	61 77	
1965-04-01	64 36	

Date	Feet below Surface	Feet to Sealevel
1966-05-31	78.53	
1966-05-20	78.16	
1966-04-15	77.33	
1966-04-05	79.60	
1966-03-31	77.95	
1966-03-17	76.10	
1966-03-10	76.50	
1966-03-04	75.23	
1966-01-27	73.86	
1965-12-07	74.04	
1965-09-09	56.81	
1965-08-31	58.86	
1965-08-20	58.68	
1965-08-12	56 16	
1965-08-05	57.56	
1965-07-25	60 98	
1965-07-15	60.09	
1965-06-10	59.88	
1965-05-31	58.62	
1965-05-20	59 41	
1965-05-15	60 11	
1965-05-05	61 39	
1965-04-26	62 00	
1965-04-23	61 [illegible]	
1965-04-19	61 86	
1965-03-04	52 34	

G40
NNE
1/2 - 1 Mile
Higher

FED USGS USGS2493652

Agency cd	USGS	Site no	302657091101101
Site name	EB- 111		
Latitude	302657		
Longitude	0911011	Dec lat	30 44935735
Dec lon	-91.16982918	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 48T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	57.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19170601
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1200-FOOT SAND OF BATON ROUGE AREA		
Well depth:	1274	Hole depth:	1274
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1917-06-01	Ground water data end date:	1917-06-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1917-06-01	-51.50	

H41
North
1/2 - 1 Mile
Lower

FED USGS **USGS2493658**

Agency cd	USGS	Site no	302701091104001
Site name	EB- 865		
Latitude	302701		
Longitude	0911040	Dec lat	30 45046845
Dec lon	-91 17758496	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State	22	County	033
Country	US	Land net	S 72T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	24000
Altitude	51 00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic	Amite Louisiana Mississippi Area = 1890 sq mi		
Topographic	Flat surface		
Site type	Ground-water other than Spring	Date construction	19661201
Date inventoried	Not Reported	Mean greenwich time offset	CST
Local standard time flag	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	776	Hole depth:	806
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
H42 **NNW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS2493659**

Agency cd:	USGS	Site no:	302701091104101
Site name:	EB- 880		
Latitude:	302701		
Longitude:	0911041	Dec lat:	30.45046845
Dec lon:	-91.17816275	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 72T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	Not Reported
Altitude:	47.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana. Mississippi. Area = 1890 sq mi.		
Topographic	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19710101
Date inventoned	Not Reported	Mean greenwich time offset.	CST
Local standard time flag:	Y		
Type of ground water site	Single well. other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	800-FOOT SAND OF BATON ROUGE AREA		
Well depth	775	Hole depth:	Not Reported
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count:	0
Peak flow data begin date	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date	1972-01-26
Water quality data end date	1972-01-26	Water quality data count	1
Ground water data begin date	1972-01-26	Ground water data end date	1984-10-16
Ground water data count	4		

Ground-water levels Number of Measurements 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-10-16	75 58		1984-05-30	62 48	
1984-05-09	63 91		1972-01-26	99 20	

H43 **North** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS2493661**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	302702091103902
Site name:	EB- 806B		
Latitude:	302702		
Longitude:	0911039	Dec lat:	30.45074622
Dec lon:	-91.17760718	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 72T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	46.50		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19660401
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	2400-FOOT SAND OF BATON ROUGE AREA		
Well depth:	2579	Hole depth:	2943
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1966-04-22
Water quality data end date:	1988-08-09	Water quality data count:	26
Ground water data begin date:	1966-05-19	Ground water data end date	2005-01-06
Ground water data count.	201		

Ground-water levels. Number of Measurements. 201

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-01-06	213.66		2004-10-05	224.29	
2004-07-26	220.12		2004-04-02	208.83	
2004-01-13	211.53		2003-10-01	222.72	
2003-07-08	218.59		2003-04-22	214.01	
2003-02-14	205.85		2002-10-08	215.32	
2002-08-05	219.40		2002-05-16	201.38	
2002-02-19	207.84		2001-12-03	216.15	
2001-07-06	223.92		2001-04-17	216.30	
2001-01-17	225.14		2000-10-20	224.46	
2000-05-15	218.30		2000-02-11	201.46	
1999-11-16	209.89		1999-07-26	206.40	
1999-05-05	190.04		1999-02-08	192.39	
1998-11-20	201.40		1998-07-24	213.30	
1998-04-08	189.64		1998-01-23	188.50	
1997-11-11	195.85		1997-07-24	197.62	
1997-04-30	185.97		1997-02-12	187.48	
1996-10-08	191.51		1996-07-09	191.23	
1996-04-22	185.77		1996-02-13	198.50	
1995-10-30	199.45		1995-08-04	206.86	
1995-06-15	196.97		1995-02-08	173.71	
1994-11-17	181.95		1994-07-25	178.97	
1994-04-21	176.01		1994-01-14	178.97	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1993-11-29	164.23	
1993-05-04	180.13	
1992-11-17	181.01	
1992-04-13	172.34	
1991-12-12	177.67	
1991-04-17	169.98	
1990-11-02	179.07	
1990-05-09	168.14	
1990-02-21	157.32	
1989-07-12	172.81	
1989-01-25	159.26	
1988-05-26	169.47	
1987-10-20	167.96	
1987-05-01	140.56	
1986-08-21	147.92	
1986-02-25	141.17	
1985-08-08	157.05	
1984-10-02	172 97	
1984-05-02	166.27	
1983-11-16	163 32	
1983-04-12	169.27	
1982-10-08	181 47	
1982-04-30	177 76	
1981-10-28	196 62	
1981-07-23	193 52	
1981-01-20	193 94	
1980-10-27	197 39	
1980-05-05	183 57	
1980-01-22	195 73	
1979-11-08	198 78	
1979-07-12	204 05	
1979-03-07	198 58	
1978-11-21	197 01	
1978-07-28	195 [illegible]	
1978-02-08	177 49	
1977-07-21	187 78	
1977-02-24	185 31	
1976-11-09	188.20	
1976-04-15	175 30	
1975-11-19	184 24	
1975-07-14	183 65	
1975-03-28	182 48	
1974-10-30	191 03	
1974-07-15	194 85	
1974-02-12	186.25	
1973-10-10	194.40	
1973-04-05	177.69	
1972-10-20	178.30	
1972-04-18	167.40	
1971-11-15	188.05	
1971-07-20	192.57	
1970-12-21	178.30	
1970-09-04	182.57	
1969-11-24	175.30	
1969-11-05	176.17	

Date	Feet below Surface	Feet to Sealevel
1993-07-14	179.98	
1993-02-16	178.98	
1992-08-05	181.15	
1992-01-14	175.92	
1991-07-15	175.71	
1991-01-24	176.25	
1990-07-10	177.60	
1990-04-17	159.91	
1989-11-14	170.81	
1989-04-03	161.86	
1988-10-12	161.44	
1988-02-26	162.23	
1987-08-10	173.56	
1986-10-29	143.37	
1986-04-18	140.27	
1985-10-24	150.67	
1985-04-13	166.65	
1984-07-19	167.67	
1984-02-13	173.67	
1983-07-06	164.37	
1983-01-28	171.92	
1982-07-05	180.17	
1982-01-19	188.26	
1981-10-09	195.19	
1981-04-02	194.36	
1980-11-05	197 14	
1980-07-10	194 74	
1980-04-18	183.57	
1979-12-06	197 17	
1979-09-21	199.72	
1979-05-17	192.66	
1978-12-18	198.22	
1978-11-06	195 99	
1978-04-06	183 99	
1977-10-27	184 23	
1977-04-05	181 72	
1976-12-08	191.05	
1976-07-09	191.88	
1976-02-12	180.67	
1975-11-03	186.27	
1975-05-16	178 97	
1975-01-22	188.23	
1974-09-26	187.35	
1974-05-17	188.00	
1973-11-01	195.35	
1973-07-26	191.30	
1973-02-01	174.70	
1972-06-26	186.81	
1972-01-07	177.97	
1971-10-05	192.84	
1971-04-19	184.69	
1970-11-06	181.10	
1970-05-14	178.83	
1969-11-21	175.02	
1969-10-21	176.93	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1969-07-14	170.88	
1969-05-14	161.75	
1968-10-22	153.75	
1968-07-24	155.17	
1968-05-16	151.95	
1968-04-05	149.66	
1968-02-02	148.16	
1967-12-20	146.53	
1967-11-07	148.50	
1967-09-12	146.55	
1967-06-12	135.59	
1967-01-23	132.18	
1967-01-03	134.02	
1966-12-21	135.96	
1966-12-05	127.80	
1966-11-21	128.12	
1966-11-01	127.88	
1966-09-26	132.38	
1966-09-12	128.92	
1966-08-29	128.86	
1966-08-15	129.40	
1966-07-21	128.60	
1966-06-10	124.31	
1966-05-19	119.03	
1969-06-04	166.60	
1969-02-04	158.99	
1968-09-30	155.44	
1968-06-06	152.25	
1968-05-03	152.36	
1968-02-29	148.13	
1968-01-04	146.44	
1967-11-13	148.07	
1967-10-06	147.37	
1967-08-11	147.44	
1967-01-31	131.49	
1967-01-16	131.58	
1966-12-28	136.80	
1966-12-13	134.64	
1966-11-28	128.30	
1966-11-14	128.45	
1966-10-10	128.48	
1966-09-19	132.23	
1966-09-06	128.83	
1966-08-23	129.23	
1966-08-02	128.88	
1966-06-24	126.21	
1966-05-26	120.91	

H44
North
1/2 - 1 Mile
Lower

FED USGS **USGS2493660**

Agency cd	USGS	Site no	302702091103901
Site name.	EB- 806A		
Latitude	302702		
Longitude	0911039	Dec lat	30.45074622
Dec lon	-91.17750719	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State:	22	County	033
Country	US	Land net	S 72T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	24000
Altitude.	46.50		
Altitude method	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19660401
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	663	Hole depth:	2943
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count: 0
Water quality data end date: 1966-04-20
Ground water data begin date: 1966-05-23
Ground water data count: 23

Water quality data begin date: 1966-04-20
Water quality data count: 1
Ground water data end date: 2002-08-06

Ground-water levels, Number of Measurements: 23

Date	Feet below Surface	Feet to Sealevel
2002-08-06	311.13	
1969-07-14	133.00	
1969-06-04	116.30	
1969-04-30	111.19	
1969-02-04	116.72	
1968-11-19	136.68	
1968-09-30	144.25	
1968-06-06	120.07	
1968-05-03	110.16	
1968-03-25	115.45	
1968-02-02	100.25	
1966-05-23	85.60	
1969-08-25	136.68	
1969-06-05	117.02	
1969-05-27	111.32	
1969-03-12	111.34	
1968-12-18	121.31	
1968-10-22	144.37	
1968-07-24	134.87	
1968-05-16	112.37	
1968-04-05	114.85	
1968-02-29	112.40	
1968-01-04	111.53	

145
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS2493762**

Agency cd:	USGS	Site no.	302639091111701
Site name:	EB- 107		
Latitude:	302639		
Longitude:	0911117	Dec lat:	30.44435749
Dec lon:	-91.18816298	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	34.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson Louisiana, Mississippi, Area = 698 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19370409
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	400-FOOT SAND OF BATON ROUGE AREA		
Well depth:	449	Hole depth:	451
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1955-06-08
Water quality data end date:	1955-06-08	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
I46 **WNW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2493763**

Agency cd:	USGS	Site no:	302639091111702
Site name:	EB- 108		
Latitude:	302639		
Longitude:	0911117	Dec lat:	30.44435749
Dec lon:	-91.18816298	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	34.00		
Altitude method.	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana. Mississippi. Area = 698 sq.mi		
Topographic	Flat surface		
Site type	Ground-water other than Spring	Date construction	19200101
Date inventoried	Not Reported	Mean greenwich time offset.	CST
Local standard time flag	Y		
Type of ground water site	Single well other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	400-FOOT SAND OF BATON ROUGE AREA		
Well depth	450	Hole depth	Not Reported
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	Not Reported	Daily flow data begin date	Not Reported
Daily flow data end date	Not Reported	Daily flow data count	Not Reported
Peak flow data begin date	Not Reported	Peak flow data end date	Not Reported
Peak flow data count	Not Reported	Water quality data begin date	Not Reported
Water quality data end date	Not Reported	Water quality data count	Not Reported
Ground water data begin date	Not Reported	Ground water data end date	Not Reported
Ground water data count	Not Reported		

Ground-water levels Number of Measurements 0

I47 **WNW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2493764**

Agency cd	USGS	Site no	302639091111703
Site name.	EB- 577		
Latitude:	302639		
Longitude:	0911117	Dec lat:	30.44435749
Dec lon:	-91.18816298	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000

Altitude:	41.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19520924
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	400-FOOT SAND OF BATON ROUGE AREA		
Well depth:	464	Hole depth:	465
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1955-06-10
Water quality data end date:	1955-06-10	Water quality data count:	1
Ground water data begin date:	1952-09-24	Ground water data end date:	1952-09-24
Ground water data count:	1		

Ground-water levels, Number of Measurements 1

Date	Feet below Surface	Feet to Sealevel
1952-09-24	35.00	

48
NE
1/2 - 1 Mile
Lower

FED USGS USGS2493641

Agency cd	USGS	Site no	302653091095701
Site name	EB- 146		
Latitude	302653		
Longitude	0910957	Dec lat	30.44324626
Dec lon	-91.16594018	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State	22	County	033
Country	US	Land net	S 73T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	24000
Altitude	52.00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson Louisiana, Mississippi Area = 698 sq mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19160325
Date inventoried:	Not Reported	Mean greenwich time offset	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1200-FOOT SAND OF BATON ROUGE AREA		
Well depth:	1259	Hole depth:	1262
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

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Peak flow data count: 0
Water quality data end date: 1956-09-07
Ground water data begin date: 1916-03-25
Ground water data count: 197

Water quality data begin date: 1956-09-07
Water quality data count: 1
Ground water data end date: 2005-01-06

Ground-water levels, Number of Measurements: 197

Date	Feet below Surface	Feet to Sealevel
2005-01-06	123.48	
2004-07-26	125.02	
2004-01-13	125.59	
2003-07-07	134.61	
2003-02-14	124.20	
2002-08-05	128.84	
2002-02-19	123.05	
2001-07-06	126.34	
2001-01-17	117.78	
2000-07-17	127.35	
2000-02-10	119.12	
1999-07-26	116.24	
1999-02-08	115.36	
1998-07-26	116 24	
1998-04-08	108 56	
1997-11-11	112 69	
1997-04-30	103.20	
1996-10-08	106.23	
1996-04-22	105 53	
1995-10-31	105 35	
1995-06-15	102.10	
1994-11-17	114 00	
1994-04-21	99 47	
1993-11-29	104 35	
1993-05-07	102 49	
1992-11-25	108 25	
1992-04-13	98 85	
1991-12-12	99 00	
1991-04-17	102 49	
1990-11-02	105 75	
1990-05-16	100 78	
1990-02-21	103 07	
1989-07-12	98 99	
1989-01-25	97 88	
1988-05-26	101 86	
1987-10-20	104 53	
1987-04-27	103 09	
1986-08-21	109 15	
1986-02-21	105.90	
1985-08-08	108.21	
1984-10-02	108.61	
1984-05-07	107.55	
1983-11-16	106.75	
1982-05-06	111.80	
1981-10-09	115.76	
1981-04-02	113.90	
1980-10-27	115.80	
1980-05-05	109.62	
1979-11-08	113.78	
1979-05-15	110.46	
2004-10-05	129.67	
2004-04-02	123.18	
2003-10-01	129.33	
2003-04-22	123.14	
2002-10-08	127.08	
2002-05-16	130.51	
2001-11-14	121.95	
2001-04-14	117.72	
2000-10-20	128.67	
2000-05-15	121.11	
1999-11-16	120.37	
1999-05-05	117.71	
1998-11-20	118.36	
1998-07-24	116 75	
1998-01-23	109.69	
1997-07-27	107.36	
1997-02-11	102.51	
1996-07-09	106.20	
1996-02-13	102.96	
1995-08-04	104.34	
1995-02-08	100.85	
1994-07-25	104.93	
1994-01-14	100.72	
1993-07-14	104.97	
1993-02-17	107.15	
1992-07-30	106.33	
1992-01-14	96 12	
1991-07-15	102.90	
1991-01-24	100 30	
1990-07-10	104 89	
1990-04-17	101 42	
1989-11-14	101 43	
1989-04-03	94 34	
1988-10-12	102 07	
1988-02-26	100 05	
1987-09-04	106 19	
1986-10-31	107 78	
1986-04-11	106 45	
1985-10-24	106 80	
1985-04-15	100 17	
1984-07-19	110.45	
1984-02-15	108.15	
1982-08-05	108.85	
1982-01-19	113.71	
1981-07-23	116.49	
1981-01-20	113.00	
1980-07-10	112.30	
1980-01-22	107.96	
1979-07-12	118.15	
1979-03-07	112.28	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1978-11-06	116.96	
1978-04-06	109.19	
1977-11-18	113.79	
1977-04-05	112.26	
1976-11-09	111.96	
1976-04-16	106.58	
1975-11-03	104.98	
1975-03-31	102.30	
1974-09-26	111.92	
1974-05-16	108.62	
1973-10-10	110.80	
1973-05-24	109.06	
1972-11-22	112.07	
1972-04-18	101.99	
1971-10-21	105.87	
1971-04-19	102.68	
1970-09-04	107.18	
1970-01-08	100 03	
1969-07-14	101 62	
1969-02-04	95 77	
1968-08-29	96.84	
1968-06-06	92 92	
1968-04-05	90 62	
1968-02-02	91 35	
1967-12-20	92 57	
1967-10-06	94 76	
1967-08-11	94 73	
1967-03-13	91 74	
1967-01-17	91 20	
1966-11-28	90 82	
1966-09-09	91 74	
1966-07-21	91 40	
1966-05-19	89 62	
1966-03-29	87 01	
1966-01-07	86 44	
1965-10-07	89 09	
1965-08-12	89 77	
1965-04-12	84 72	
1965-02-11	85 90	
1964-11-11	89 35	
1964-09-16	92 02	
1964-07-15	94 35	
1964-04-06	93 08	
1964-02-13	93 54	
1963-10-11	93 81	
1963-08-19	92.23	
1963-06-14	91.56	
1963-04-09	88.72	
1916-03-25	-33.00	

Date	Feet below Surface	Feet to Sealevel
1978-07-28	115.25	
1978-02-08	111.27	
1977-07-21	116.07	
1977-02-24	112.30	
1976-07-09	112.07	
1976-02-13	105.96	
1975-07-14	102.11	
1975-01-20	106.37	
1974-07-15	113.07	
1974-02-08	109.75	
1973-07-26	112.50	
1973-02-01	109.84	
1972-06-26	105.59	
1972-02-18	102.52	
1971-07-20	107.87	
1970-12-18	105.26	
1970-05-14	103.41	
1969-10-21	102.58	
1969-04-30	93.05	
1968-09-30	97.63	
1968-07-19	97 06	
1968-05-03	90.90	
1968-02-29	90.24	
1968-01-04	91 24	
1967-11-07	94 81	
1967-09-12	93 91	
1967-07-06	93 61	
1967-02-07	90 70	
1966-12-15	91 34	
1966-11-01	91 22	
1966-08-17	91 17	
1966-06-15	89 [illegible]	
1966-04-20	88 34	
1966-02-24	87 [illegible]	
1965-12-07	86 57	
1965-09-09	89 64	
1965-05-20	87 43	
1965-03-03	85 22	
1964-12-07	87 32	
1964-10-08	90 08	
1964-08-10	94 20	
1964-06-04	94 30	
1964-03-03	93 42	
1964-01-14	93 52	
1963-09-05	92 70	
1963-07-12	91 31	
1963-05-16	90.90	
1963-03-27	88.23	

H49
North
1/2 - 1 Mile
Lower

FED USGS **USGS2493670**

Agency cd:	USGS	Site no:	302704091103701
Site name:	EB- 143		
Latitude:	302704		
Longitude:	0911037	Dec lat:	30.45130176
Dec lon:	-91.17705161	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 72T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	47.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1917
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	1200-FOOT SAND OF BATON ROUGE AREA		
Well depth	1239	Hole depth:	1239
Source of depth data	Not Reported		
Project number:	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count	0
Peak flow data begin date	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count	0
Ground water data begin date:	1917-00-00	Ground water data end date	1917-01-01
Ground water data count	2		

Ground-water levels, Number of Measurements 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1917-01-01	-43.00		19[illegible]	-43.00	

50
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2493822**

Agency cd:	USGS	Site no:	302533091104901
Site name:	EB- 382		
Latitude:	302533		
Longitude:	0911049	Dec lat:	30.42602458
Dec lon:	-91.18038488	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 75T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	25.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19340101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	MISSISSIPPI RIVER ALLUVIAL AQUIFER		
Well depth:	260	Hole depth:	260
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1959-02-16	Ground water data end date:	2003-10-01
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-01	114.66		1959-02-16	9.94	

51
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS2493657**

Agency cd:	USGS	Site no	302700091105601
Site name	EB- 134		
Latitude	302700		
Longitude	0911056	Dec lat	30 45019068
Dec lon	-91 18232952	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State	22	County	033
Country	US	Land net	S 72T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale	24000
Altitude	55 00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic	Bayou SaraThompson Louisiana, Mississippi Area = 698 sq mi		
Topographic	Flat surface		
Site type	Ground-water other than Spring	Date construction	19190917
Date inventoried	Not Reported	Mean greenwich time offset	CST
Local standard time flag	Y		
Type of ground water site	Single well, other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	2000-FOOT SAND OF BATON ROUGE AREA		
Well depth.	2184	Hole depth.	2184
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1941-10-28	Ground water data end date:	1941-10-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1941-10-28	-9.86	

52
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS2493853**

Agency cd:	USGS	Site no:	302551091111701
Site name:	EB- 768		
Latitude:	302551		
Longitude:	0911117	Dec lat:	30.43102447
Dec lon:	-91.1881629	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 53T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	28.00		
Altitude method	Interpolated from topographic map		
Altitude accuracy	5		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite Louisiana, Mississippi Area = 1890 sq mi		
Topographic	Flat surface		
Site type	Ground-water other than Spring	Date construction	19640603
Date inventoned	Not Reported	Mean greenwich time offset	CST
Local standard time flag	Y		
Type of ground water site	Single well other than collector or Ranney type		
Aquifer Type	Not Reported		
Aquifer	SALISBURY AQUIFER		
Well depth	280	Hole depth	280
Source of depth data	Not Reported		
Project number	Not Reported		
Real time data flag	0	Daily flow data begin date	0000-00-00
Daily flow data end date	0000-00-00	Daily flow data count	
Peak flow data begin date	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date	0000-00-00
Water quality data end date	0000-00-00	Water quality data count	0
Ground water data begin date	1964-06-04	Ground water data end date	1964-06-04
Ground water data count	1		

Ground-water levels, Number of Measurements 1

Date	Feet below Surface	Feet to Sealevel
1964-06-04	12.00	

J53
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS2493771**

Agency cd:	USGS	Site no:	302642091112102
Site name:	EB- 110		
Latitude:	302642		
Longitude:	0911121	Dec lat:	30.44519081
Dec lon:	-91.18927412	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	033
Country:	US	Land net:	S 49T 7S R 1W
Location map:	BATON ROUGE W 163A	Map scale:	24000
Altitude:	34.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SALISBURY AQUIFER		
Well depth:	250	Hole depth	Not Reported
Source of depth data	Not Reported		
Project number:	Not Reported		
Real time data flag.	0	Daily flow data begin date	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date	0000-00-00	Peak flow data end date	0000-00-00
Peak flow data count	0	Water quality data begin date	0000-00-00
Water quality data end date	0000-00-00	Water quality data count	0
Ground water data begin date	0000-00-00	Ground water data end date	0000-00-00
Ground water data count	0		

Ground-water levels. Number of Measurements: 0

J54
WNW
1/2 - 1 Mile
Lower

FED USGS USGS2493770

Agency cd	USGS	Site no	302642091112101
Site name	EB- 109		
Latitude:	302642		
Longitude	0911121	Dec lat	30 44519081
Dec lon	-91 18927412	Coor meth	M
Coor accr:	T	Latlong datum.	NAD27
Dec latlong datum	NAD83	District	22
State:	22	County	033
Country:	US	Land net.	S 49T 7S R 1W
Location map.	BATON ROUGE W 163A	Map scale:	24000
Altitude:	35.74		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Bayou SaraThompson. Louisiana, Mississippi. Area = 698 sq mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19250415
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	800-FOOT SAND OF BATON ROUGE AREA		
Well depth:	888	Hole depth:	893
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1952-04-15	Ground water data end date:	1952-04-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1952-04-15	38.00	

K55
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS2493820**

Agency cd.	USGS	Site no:	302533091100501
Site name.	EB- 869		
Latitude	302533		
Longitude	0911005	Dec lat:	30.42602457
Dec lon	-91.16816233	Coor meth:	M
Coor accr	S	Latlong datum:	NAD27
Dec latlong datum	NAD83	District.	22
State:	22	County:	033
Country:	US	Land net:	S 67T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale.	Not Reported
Altitude	26.42		
Altitude method	Level or other surveying method		
Altitude accuracy	1		
Altitude datum	National Geodetic Vertical Datum of 1929		
Hydrologic.	Amite, Louisiana, Mississippi, Area = 1890 sq.mi		
Topographic	Hillside (slope)		
Site type	Ground-water other than Spring	Date construction:	19710302
Date inventoried	Not Reported	Mean greenwich time offset	CST
Local standard time flag	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	599	Hole depth:	715
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1971-03-16
Water quality data end date:	1978-04-13	Water quality data count:	2
Ground water data begin date:	1971-03-03	Ground water data end date:	1990-07-09
Ground water data count:	64		

Ground-water levels, Number of Measurements: 64

Date	Feet below Surface	Feet to Sealevel
1990-07-09	23.12	
1979-05-22	37.18	
1976-04-13	45.59	
1973-05-16	46.36	
1973-02-12	59.68	
1972-05-18	56.69	
1971-09-17	77.03	
1971-08-17	74.68	
1971-07-29	73.46	
1971-07-27	72.98	
1971-07-12	71.59	
1971-07-07	70.82	
1971-06-22	66.27	
1971-06-15	62.98	
1971-06-08	60.93	
1971-05-25	60.50	
1971-05-18	61.00	
1971-05-07	61.13	
1971-04-30	60.52	
1971-04-23	59.07	
1971-04-16	57.95	
1971-04-12	57.74	
1971-04-08	57.45	
1971-04-06	57.51	
1971-04-01	57.25	
1971-03-30	57.11	
1971-03-22	56.78	
1971-03-18	57.00	
1971-03-16	57.05	
1971-03-12	57.39	
1971-03-09	58.10	
1971-03-04	59.28	
1984-05-09	38.74	
1978-04-13	45.84	
1975-05-06	47.27	
1973-04-16	48.51	
1972-05-26	56.34	
1971-10-04	78.29	
1971-08-24	75.30	
1971-08-10	74.80	
1971-07-28	73.21	
1971-07-13	71.96	
1971-07-09	71.00	
1971-07-01	69.17	
1971-06-18	64.46	
1971-06-10	61.27	
1971-06-01	60.20	
1971-05-21	60.84	
1971-05-11	61.14	
1971-05-04	60.98	
1971-04-27	60.04	
1971-04-20	58.43	
1971-04-13	57.82	
1971-04-09	57.52	
1971-04-07	57.44	
1971-04-05	57.39	
1971-03-31	57.18	
1971-03-26	56.92	
1971-03-19	56.90	
1971-03-17	57.10	
1971-03-15	57.11	
1971-03-11	57.53	
1971-03-05	58.89	
1971-03-03	59.36	

K56
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2493821

Agency cd	USGS	Site no	302533091100502
Site name	EB- 876		
Latitude	302533		
Longitude	0911005	Dec lat	30.42602457
Dec lon	-91.16816233	Coor meth	M
Coor accr	S	Latlong datum	NAD27
Dec latlong datum	NAD83	District	22
State:	22	County:	033
Country:	US	Land net:	S 67T 7S R 1W
Location map	BATON ROUGE W 163A	Map scale:	Not Reported
Altitude:	26.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Amite. Louisiana, Mississippi. Area = 1890 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19710713
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	600-FOOT SAND OF BATON ROUGE AREA		
Well depth:	635	Hole depth:	642
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1971-07-13
Water quality data end date:	1971-07-13	Water quality data count:	1
Ground water data begin date:	1971-07-13	Ground water data end date:	1990-07-09
Ground water data count:	7		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-07-09	22.76		1979-05-22	37.69	
1979-04-27	36.99		1975-05-06	46.27	
1971-07-27	74.02		1971-07-20	73.29	
1971-07-13	73.42				

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for EAST BATON ROUGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 70802

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Louisiana Public Water Supply Wells
Source: Office of Public Health
Telephone: 504-568-5101

Water Well Registration Data File
Source: Department of Transportation and Development
Telephone: 225-274-4172

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Telephone: 225-342-1977
Oil and gas well locations in Louisiana

RADON

State Database LA Radon
Source Department of Environmenal Quality
Telephone 225-925-1752
Radon Levels

Area Radon Information
Source USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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