

***FINAL***

**ENVIRONMENTAL CONDITION OF  
PROPERTY REPORT**

**BOSSIER CITY  
U.S. ARMY RESERVE CENTER (LA007)  
300 MILLER ROAD  
BOSSIER CITY, LOUISIANA 71112**

***Prepared for:***

**U.S. Army Corps of Engineers — Louisville District  
Engineering Division — Environmental Engineering Branch  
600 Dr. Martin Luther King, Jr. Place  
Louisville, Kentucky 40202-2232**

**February 8, 2007**

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## CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DOD) requirements for completion of an Environmental Condition of Property (ECP) Report.

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**JAMES WHEELER II**  
**Chief, Environmental Division**  
**90<sup>th</sup> Regional Readiness Command**

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**DATE**

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.

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**LENARD P. GUNNELL, P.G.**  
**Project Geologist**  
**U.S. Army Corps of Engineers**

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**DATE**

## EXECUTIVE SUMMARY

Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers, Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the Bossier City U.S. Army Reserve (USAR) Center (Facility ID LA007), hereafter referred to as the "Site" or "USAR Center." The Site is located at 300 Miller Road, Bossier City, Bossier Parish, Louisiana.

This ECP Report was conducted in conformance with primary Department of Defense (DoD) and Army guidance, the DoD's Base Redevelopment and Realignment Manual, DoD 4165.77-M, Army regulations and the American Society for Testing and Materials Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance.

This ECP Report details the history of the property, including the USAR and any prior tenant uses of the Site and the resulting environmental condition of the property.

The USAR Center is on 10.36 acres of land with two permanent structures, a 31,517-square-foot Training Building and a 5,280-square-foot organizational maintenance shop. The site is currently occupied by the 4013<sup>th</sup> Garrison Support Unit and Detachment 1 of the 820<sup>th</sup> Signal Company.

Based on a review of aerial photographs and U.S. Geological Survey topographical maps dating back to 1955, the Site was a vacant area on the northeast side of Barksdale Air Force Base prior to the 1972 purchase by the U.S. government. The buildings on the Site were constructed in 1974 and the USAR has been the only occupant.

Areas of potential environmental concern were reviewed and TEJV found no significant concerns relating to environmental condition of the Site. In accordance with DoD policy defining the classifications (see S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the 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.

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## List of Acronyms and Abbreviations

ACM	asbestos-containing material
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure Act
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG	conditionally exempt small-quantity generator
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites
DoD	Department of Defense
ECCI	Environmental, Compliance & Construction, Inc.
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
I-20	Interstate 20
IFR	indoor firing range
kg	kilograms
LBP	lead-based paint
LDEQ	Louisiana Department of Environmental Quality
LDWF	Louisiana Department of Wildlife and Fisheries
LQG	large-quantity generator
LUST	Leaking Underground Storage Tank
MEP	military equipment parking
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
OMS	organizational maintenance shop
OWS	oil-water separator

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PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
PMT	pole-mounted transformer
POV	privately owned vehicle
PWS	Public Water Supply
RCRA	Resource Conservation and Recovery Act
RCRAInfo	RCRA Information
REC	Recreational
RRC	Regional Readiness Command
RQ	reportable quantity
SQG	small-quantity generator
TEJV	Terraine-EnSafe Joint Venture
TSD	treatment, storage, and disposal
USACE	U.S. Army Corps of Engineers
USAR	U.S. Army Reserve
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank
VWR	vehicle wash rack

## 1.0 INTRODUCTION

Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, was authorized to prepare an Environmental Condition of Property (ECP) Report for the Bossier City U.S. Army Reserve (USAR) Center (Facility ID LA007), in response to the Base Realignment and Closure Act (BRAC) 2005 legislation. The work was performed under Contract No. W912QR-04-D-0044, Delivery Order No. 0008. The facility located at 300 Miller Road in Bossier City, Bossier Parish, Louisiana, is hereafter referred to as the "Site" or "USAR Center." In support of the ECP, a visual reconnaissance of the Site was conducted on August 9, 2006. The purpose of the reconnaissance was to visually obtain information indicating the likelihood of recognized environmental conditions in connection with the Site.

### 1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY

The Military Department with real property accountability shall assess, determine, and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's (DoD's) policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist Federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA) "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more – specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4 or one kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. Army Regulation 200-1 requires that the ECP Report address asbestos, lead-based paint (LBP), radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

## **1.2 SCOPE OF SERVICES**

This ECP covers the 10.36-acre Bossier City USAR Center at 300 Miller Road in Bossier City, Louisiana. Miller Road is north of the Site. The USACE Ft. Worth District Eastern Area Office is on the northwest side of the Site. Cooper Bayou is a water body that parallels the property boundary to the west and south. The perimeter of Barksdale Air Force Base is west and south of Cooper Bayou. Agricultural fields are east of the site. A general Site location map, Site maps, flood plain map, and historical topographic maps and aerial photographs are provided in Appendix A. Appendix B provides photographs taken during the Site reconnaissance. Appendix C provides chain-of-title information. Historical environmental documents and reports are provided in Appendix D. The environmental database report is provided in Appendix E.

This ECP Report classifies the property into one of seven DoD Environmental ECP categories as defined by the S.W. Goodman Memorandum dated October 21, 1996. The property classification categories are as follows:

- Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).
- Category 2: Areas where only release or disposal of petroleum products has occurred.

- Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.
- Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.
- Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required remedial actions have not yet been taken.
- Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.
- Category 7: Areas that are not evaluated or require additional evaluation.

### **1.3 ASSUMPTIONS AND LIMITATIONS**

This report was prepared to permit formulation of an opinion of the environmental condition of the Site. Opinions on the environmental conditions at the Site are based on information from the visual Site reconnaissance, interviews, and collection and review of readily available information. New information or changes in Site use could require a review and possible modification of the findings and conclusions contained in this report. The information obtained from the USAR, the USAR's representatives, individuals interviewed and prior environmental reports was considered to be accurate unless reasonable inquiries indicated otherwise. Conditions observed were considered representative of similar areas that were not accessible unless otherwise indicated.

This ECP Report presents a summary of readily available information on the environmental conditions of, and concerns relative to, the land, facilities, and real property assets at the USAR Center. Its findings are based on a record search of readily available documents, a thorough review of the applicable and relevant documents, a visual Site reconnaissance conducted on August 9, 2006, and interviews with personnel knowledgeable about the Site and its history. Previous environmental investigations and reports and Site historical documents were reviewed in support of this ECP. Information obtained from these other studies is reflected within this report by reference. A complete list of references is provided as Section 9.0.

All Site buildings were visually inspected during the Site reconnaissance. However, a 100% visual reconnaissance of each building (such as areas above ceilings, etc.) was not practical due to accessibility restrictions. No sampling or analysis of any media was conducted during this survey.

## 2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

The Site reconnaissance included a driving tour of the facility and the surrounding area, and a walking assessment of the developed area of the Site and buildings, including the Training Building and the organizational maintenance shop (OMS). The Site reconnaissance was conducted by TEJV personnel on August 9, 2006, to field-verify information produced in the document review and to identify recognized environmental conditions of property.

A reconnaissance of the Site perimeter was conducted to evaluate adjacent property uses that could result in environmental contamination on the Site. TEJV personnel walked along the Site's perimeter and in the surrounding area to visually identify any contiguous properties that appear, in TEJV's professional judgment, to have contamination that could migrate to the Site. The findings of the perimeter survey are presented in Section 4.0.

### 2.1 SITE LOCATION

The Site address is 300 Miller Road in Bossier City, Bossier Parish, Louisiana. As shown on Figure 1 in Appendix A, the Site is on the north side of Barksdale Air Force Base, which is located approximately 2 miles southeast of Bossier City. The Site is bordered by Miller Road to the north. The USACE Ft. Worth District-Eastern Area Office is on the northwest side of the Site. Cooper Bayou is a water body that parallels the property boundary to the west and south. The perimeter of Barksdale Air Force Base is west and south of Cooper Bayou. Agricultural fields are east of the site.

### 2.2 ASSET INFORMATION

Facility Name and Address:	Bossier City USAR Center (LA007) 300 Miller Road Bossier City, Louisiana 71112
Property Owner:	U.S. Government
Date of Ownership:	1972
Current Occupant:	4013 <sup>th</sup> Garrison Support Unit and Detachment 1 of the 820 <sup>th</sup> Signal Company
Zoning:	A-1 Airbase Buffer Zone
County, State:	Bossier Parish, Louisiana
USGS Quadrangle:	Bossier City
Section/Township/Range:	Section 26, Township 18N, Range 13W

Latitude/Longitude: 32° 31' 32.5"N; 93° 40' 25.0"W

Legal Description: Being that parcel or tract of land, containing 10.36 acres of land, more or less, situated and lying in the northeast ¼ of Section 26, Township 18 North, Range 13 West in Bossier City, Parish of Bossier, state of Louisiana.

A copy of the chain-of-title report, which includes a complete legal description, is provided in Appendix C.

### **2.3 PHYSICAL DESCRIPTION**

A Site map of the USAR Center is provided in Figure 2 in Appendix A. Photographs of the Site and surrounding area are presented in Appendix B. The exterior of the Training Building is shown on Photographs 1 through 4, and the exterior of the OMS is shown on Photographs 5 and 6. Various views of the Training Building, privately-owned vehicle (POV) parking, military equipment parking (MEP), vehicle wash rack (VWR), and oil-water separator (OWS) areas are shown on Photographs 7 through 22. The interior of the Training Building is shown on Photographs 23 through 28. The interior of the OMS is shown on Photographs 29 and 30. Properties adjacent to the Site are shown on Photographs 31 through 38.

The USAR Center is situated on 10.36 acres of land with two permanent structures. The 31,517-square-foot Training Building and the 5,280-square-foot OMS were constructed in 1974. Additional structures at the site include a 1,350-square-foot recreation (REC) shelter and a 594-square-foot VWR. There is also a portable metal flammable materials storage shed. Approximately two-thirds of the 10.36-acre tract is considered impervious (asphalt parking areas, driveways, concrete walkways, building footprints, etc.), while the remainder is covered by lawn or bare turf and several trees along the west and south sides of the Training Building.

On the northwest side of the site, west of the Training Building, is a 4,131-square-foot POV parking area. A 3,381-square-foot MEP area is southwest of the OMS. These parking areas are asphalt-paved. Vehicle access is via the two POV parking lot entrances off of Miller Road. On the south end of the MEP are numerous metal shipping containers for the storage of miscellaneous materials.

The Training Building is a one-story building with a concrete foundation and concrete block and brick exterior walls that contains an assembly hall, kitchen and scullery, classrooms, offices, storage rooms, a locker room, latrines, a conference room, a mail room, a mechanical room, and an arms vault. A former indoor firing range (IFR) on the east side of the Training Building was closed and converted to a storage room in 1996. Floor drains are located inside the mechanical room, kitchen, scullery, restrooms, and on a concrete curbed kitchen/janitorial wash pad on the east side of the Training Building. All floor drains are connected to the sanitary sewer. A grease trap associated with the kitchen is also located

outside the Training Building. Figure 3 in Appendix A shows the floor plan of the Training Building.

The OMS is a one-story building with a concrete foundation and concrete block and brick exterior walls. The OMS has interior work and maintenance bays, storage areas, and an office area. Four overhead bay doors are on the east side of the building. Personnel doors are on the north and south ends of the building.

The VWR has a concrete foundation with a 6-inch containment curb on the north, south, and east sides, and a ramp on the west side. The floor of the foundation slopes toward a slotted floor drain that is connected to an underground 575-gallon OWS. The OWS is located on the east side of the VWR. The OWS is of steel construction, covered with fiberglass reinforced polyester resin, and is connected to the sanitary sewer. No permit is required for this OWS.

The flammable materials storage locker (Photograph 15, Appendix B) is an one-story metal enclosure that sits on a concrete base along the southeast end of the MEP area. No military vehicles were on the Site or within the MEP area during the Site visit.

Electric power to the Site is provided by overhead lines from the Southwestern Electric Power Company. One pad-mounted transformer is on the western side of the Training Building (Photograph 21, Appendix B). Four pole-mounted transformers (PMTs) are along Miller Road near the northeastern and northwestern corners of the Site (Photographs 34 and 35, Appendix B). A wall-mounted transformer is also located in the mechanical room of the Training Building.

## **2.4 SITE HYDROLOGY AND GEOLOGY**

### **2.4.1 Surface Water Characteristics**

Appendix A provides a topographic map (Figure 1) of the Site and surrounding area. As shown on the map, the Site gently slopes to the southwest toward Cooper Bayou and is approximately 164 feet above mean sea level. The Site drains south and west towards Cooper Bayou and north towards a drainage ditch that flows west along Miller Road to Bayou Cooper. Bayou Cooper is the only surface water body present on or near the Site.

Based on the Bossier Parish soil map from the U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS), the predominant surface soil type on the Site is the Moreland soil component. Moreland soils are composed of clays with very slow infiltration rates. The soils have a high water table, or are shallow to an impervious layer. Moreland soils are not listed as hydric by the NRCS.

## **2.4.2 Hydrogeological Characteristics**

The Moreland Clay series has a high runoff potential and it is somewhat poorly drained. This soil is classified as Hydrologic Group Class D. Soils in this group are clayey, have a high water table, or are shallow to an impervious layer, and have very slow infiltration rates. The water table can be expected at 1 to 3 feet.

A search was conducted for wells within one mile of the Site by Environmental Data Resources, Inc. (EDR), and the report is provided in Appendix E. The environmental database report included a search of the following well databases: federal U.S. Geological Survey (USGS), Federal Reporting Data System — Public Water Supply (PWS) System, and State Database. One PWS well, listed in both the PWS and the State databases, and 11 federal USGS wells were identified within one mile of the Site. The closest well, 0.2 mile northeast of the Site, is registered with the USGS and it has a reported depth of 250 feet. No further information about the well was provided in the well search.

The remaining wells are mapped over one-half mile from the Site. Well depths reported for four of the wells ranged from 56 to 73 feet, two wells had depths between 220 to 343 feet, and the remaining wells did not have depths reported. Eight wells were at a higher elevation than the Site and four wells were at a lower elevation. One of the remaining wells was a PWS System well for the “Green Acres Apartment and MHP” water system, while the rest of the wells are primarily used for water quality or site assessment purposes. Based on their distance and orientation from the Site, the presence of these wells does not indicate sites that may pose a risk to the Site.

## **2.5 SITE UTILITIES**

The Site and the surrounding area are serviced by public utilities. Potable Water and sanitary sewer service are provided by Bossier City. Electricity is provided by the Southwestern Electric Power Company. Natural gas is supplied by AEP, Inc. Solid waste is placed in a Dumpster serviced by Browning-Ferrous Industries.

## **2.6 WATER SUPPLY WELLS AND SEPTIC SYSTEMS**

As described in Section 2.4.2, the closest PWS well is over one-half mile from the Site. Because the Site is served by a public sanitary sewer system, there are no septic systems on the Site, and no known systems were identified in the area.

### 3.0 SITE HISTORY

#### 3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1919. Appendix C contains a historical chain-of-title report completed for the Site. Key historical deed transfers of the Site within the last 60 years are as follows:

- February 5, 1952 — E. Kenneth Nelson John N. Birdwell
- December 14, 1955 — John N. Birdwell to Charles Maggio
- May 30, 1972 — Santa Maria Corporation (owned by Maggio) to the United States of America

The historical chain-of-title report did not identify any leases or environmental liens against the USAR Center property.

#### 3.2 PAST USES AND OPERATIONS

Important events in the facility's development, administration, and mission are summarized in Table 1.

<b>Table 1</b>	
<b>Historical Summary of Bossier City USAR Center</b>	
<b>Year</b>	<b>Description</b>
1972	Site property was purchased by the U.S. government
1974	Training Building, OMS, and MEP were constructed
1980s	POV parking lot, VWR and OWS, and REC shelter constructed
1990s	Flammable materials storage locker added

Historical information sources suggest that the Site was previously part of a farm on the north side of Barksdale Air Force Base. The Site has served as a USAR Center since the U.S. government acquired the land in 1972 and developed the facility in 1974.

The Site has primarily functioned as an administrative and educational facility, with limited maintenance of military vehicles. The Site was also historically used by reservists for drill activities on various weekends throughout the year.

The site is active and is currently occupied by the 4013<sup>th</sup> Garrison Support Unit and Detachment 1 of the 820<sup>th</sup> Signal Company. The mission of the 4013<sup>th</sup> Garrison Support Unit is to provide support services for the garrison. Detachment 1 of the 820<sup>th</sup> Signal Company provides communications support. During the Site visit, the Training Building showed signs of active use, although no military units were training at the time. The OMS also showed signs of active use.

Available business directories, including Polk's city directories, were reviewed by EDR at roughly five-year intervals between 1963 and 2005. In addition, TEJV reviewed Bruggerhuff's City Directories dated 1933 and 1940 at the Bossier Parrish Library Historical Center in Bossier City. The 1933 and 1940 Bruggerhuff's City Directories reviewed by TEJV at the Bossier Parrish Library Historical Center had no listings for Miller Road. City directories first listed Miller Road and the Site address in 1983, with the "USAR Center" listed as the occupant from 1983 through 2005. Also beginning in 1983, adjacent addresses of 276 and 280 Miller Road were included; however, no occupants were listed for those addresses. The 1994 and 1999 city directories list the "USACE" and "U.S. Department of the Army," respectively, at 280 Miller Road, with no listings for 276 Miller Road. The 2005 city directory lists the "USACE" at both 276 and 280 Miller Road.

No historical Sanborn fire insurance maps were available for this Site, according to EDR which maintains copyright to the largest and most complete collection of Sanborn maps.

Historical topographic maps and aerial photographs provide information about the Site and surrounding area. Figures 5 through 9 in Appendix A present topographical maps of the Site and surrounding area dated 1955, 1969, 1975, 1978, and 1998, respectively. Figures 10 through 15 present aerial photographs of the Site and surrounding areas dated 1936, 1955, 1972, 1974, 1982, and 2002, respectively.

Pertinent observations on the historical topographic maps are summarized below.

- **1955 and 1969 (Figures 5 and 6).** The 1955 and 1969 Bossier City Quadrangle maps show the Site and surrounding areas as undeveloped. Miller Road is not yet developed on the maps. Cooper Bayou and Barksdale Air Force Base are west and south of the Site. The Illinois Central Gulf railroad tracks are north of the Site. On the 1969 map, Interstate 20 (I-20) appears to be under construction approximately 0.20 mile north of the Site. An unpaved road lies near what will become the eastern boundary of the Site property. Undeveloped land is east of the site. A large catfish pond or rice paddy is approximately one mile east of the site.
- **1975 and 1978 (Figures 7 and 8).** The 1975 and 1978 Bossier City Quadrangles are similar to the 1969 topographic map. The 1975 and 1978 topographic maps show I-20 completely developed. The USAR Center is not shown on either of these topographic maps.

- **1998 (Figure 9).** The 1998 Bossier City Quadrangle shows Miller Road, the USAR Center, and the adjacent USACE Ft. Worth District-Eastern Area Office building. The 1998 topographic map shows increased commercial development north of the Illinois Central Gulf railroad tracks, between the railroad tracks and I-20. The 1998 topographic map also shows expansion of the city limits of Bossier City to the north, west, and east of the Site.

Pertinent observations on the historical aerial photographs are summarized below.

- **1936 (Figure 10).** The 1936 aerial photograph shows the Site property to be undeveloped.
- **1955 (Figure 11).** The 1955 aerial photograph shows the Site property to be undeveloped.
- **1972 and 1974 (Figures 12 and 13).** The 1972 and 1974 aerial photographs show the Site property to be undeveloped and vacant, except for what appears to be a trailer or Quonset hut near the eastern boundary of the Site. No records were found regarding that structure.
- **1982 (Figure 14).** The 1982 aerial photograph shows the Training Building, OMS, and MEP area. The POV parking lot and REC shelter had not been developed. The trailer/Quonset hut structure observed in the 1972 aerial photograph had been removed.
- **2002 (Figure 15).** The 2002 aerial photograph shows the addition of the POV parking lot, the VWR, the REC shelter, and the flammable materials storage locker at the USAR Center. The USACE building on the northwest side of the Site is also present.

In addition, TEJV reviewed historical topographic maps dated 1939 and 1959 at the Bossier Parish Library Historical Center, and a 1966 aerial photograph available at the Shreveport City Engineering Department. The Site appears undeveloped; I-20 was under construction on the 1966 aerial photograph.

### **3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES**

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel.

#### **3.3.1 Past Use and Storage of Hazardous Substances**

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities and janitorial services. Janitorial chemicals and

building maintenance-related products would have historically been stored in the designated storage area within the janitorial closet in the Training Building. Vehicle maintenance products and small amounts of petroleum, oil, and lubricant products were also stored in designated areas within the OMS building.

A 1998 historical architectural report provided in Appendix D (Parsons, 1998 [*Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana*]) contained a figure dated February 14, 1990. This figure showed an "Indoor Firing Range" on the east side of the Training Building. The IFR was closed and assessed for fugitive lead contamination in 1996. The figure also shows a "Vehicle Wash Rack With Oil-Water Separator," a "Grease Rack," and a "Flammable Materials Storage Locker" to the south of the OMS building, which is labeled as a "Maintenance Shop" on the same figure. The VWR and OWS were both noted during the Site visit.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding RQs.

### **3.3.2 Past Disposal and Release of Hazardous Substances**

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel. According to USAR personnel and Site records, disposal of hazardous materials or wastes has not occurred on the Site. The MEP area and POV parking area did not show any signs of stressed vegetation or staining, and no noxious or foul odors were noted during the Site visit.

### **3.4 PAST BULK PETROLEUM STORAGE TANKS**

Based upon a review of available Site records, a search of federal and state environmental databases, and interviews with USAR personnel, it does not appear that aboveground storage tanks (ASTs) or underground storage tanks (USTs) have been used on the Site. The 575-gallon OWS is of steel construction, covered with fiberglass reinforced polyester resin, and is connected to the sanitary sewer. No permit is required for this OWS, nor is it required to be registered as a UST with the Louisiana Department of Environmental Quality (LDEQ).

### **3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS**

A review of Site records produced several applicable reports. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise

specified, are provided in Appendix D. Only pertinent sections of reports that addressed multiple sites are presented in Appendix D.

### **3.5.1 Environmental Baseline Survey Report**

Environmental, Compliance & Construction, Inc. (ECCI) issued an *Environmental Baseline Survey for Bossier City, U.S. Army Reserve Center* in May 2005. The Environmental Baseline Survey provides summary and general information about the Site. "In accordance with the ASTM Standard D 5746-98 for *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities*," ECCI classified the Site as an ECP Area Type 1 Property. An ECP Area Type 1 Property is an area or parcel of real property where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred, including no migration of these substances from adjacent properties.

### **3.5.2 Architectural Assessment Report**

Parsons Engineering Science, Inc. performed an assessment of the Site and prepared the *Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana*, for the Department of the Army, 90<sup>th</sup> Regional Readiness Command (RRC), Office of the Engineer, in February 1998. The report concluded that the buildings on the Site were not eligible for placement on the National Register of Historic Places because they did not meet the 50-year age criteria and they did not appear to possess exceptional historical importance. No further architectural surveys were recommended for this Site until 2024.

### **3.5.3 LBP Assessment and Management Report**

ETC Engineers, Inc. of Little Rock, Arkansas, performed a LBP assessment of the USAR Center in 1993 for the USACE, Little Rock District. The results were summarized in a *Report of Findings, Lead-Based Paint and Ozone Depleting Chemicals Assessment and Management, Bossier City USAR Center, Bossier City, Louisiana*, issued January 1994. The report stated that the date of construction for the USAR Center buildings was 1974, with the Site buildings painted and renovated in 1990. The assessment documented materials/surfaces containing LBP in the USAR Center.

Positive test results for LBP were indicated at eight locations at the USAR Center. The report recommended implementation of a management plan for LBP identified at the Site to reduce the risk of release and exposure to LBP through normal activities. The report recommended abatement of the following: overhead door jambs, building columns, the Site flag pole, specific office walls and doors, a floor stripe, and Site garbage cans.

### **3.5.4 Radon Report**

A site-specific radon study was performed on February 14, 1994, by Radon Testing Corporation of America. Twenty two air samples were collected at the USAR Center for radon analysis. All results were "1.0 or less" picocuries per liter (pCi/L). The USEPA recommended action level is 4.0 pCi/L.

### **3.5.5 Asbestos Reports**

Two asbestos inspections have been performed at the Site. According to the *Asbestos Building Reinspection, Bossier City U.S. Army Reserve Center, Bossier City, Louisiana*, November 1997, asbestos-containing material (ACM) was found in roof material, which was scheduled for replacement in the near future, on the Training Building. Floor tile (9-inch) and pipe insulation in the mechanical room of the Training Building were not ACM.

### **3.5.6 Archeological Resources Report**

Parsons Engineering Science, Inc. performed a cultural assessment of the Site and prepared: *Archeological Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana*, for the Department of the Army, 90<sup>th</sup> RRC, in February 1998. The archaeological assessment concluded the Site had a "high" archeological potential, because the Site is on Copper Bayou and 5.6 acres of the property have not been developed. Additionally, the report recommended a survey be done on the undeveloped portions of the Site.

### **3.5.7 Management Summary Report**

Parsons Engineering Science, Inc. performed an architectural and cultural assessment of the Site and prepared: *Management Summary, Cultural Resources Assessment of 90<sup>th</sup> Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas*, for the Department of the Army, 90<sup>th</sup> RRC, in February 1998. The management summary report compiled results from all of the cultural assessments conducted for the 90<sup>th</sup> RRC, including the Site. The management summary report concluded the Site has no architectural issues (no buildings on the Site were eligible for placement on the National Register of Historic Places), but it does have the potential for undiscovered archaeological resources.

### **3.5.8 Polychlorinated Biphenyls Report**

The U.S. Army Center for Health Promotion and Preventive Medicine prepared *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97* for the 90<sup>th</sup> RRC facilities, in September 1997. The assessment addressed PMTs, pad-mounted transformers, and wall-mounted transformers at the Site, along with fluorescent lights in the Training Building. Four PMTs are located along Miller Road, near the northeastern and northwestern corners of the Site (Photographs 34 and 35, Appendix B). One pad-mounted transformer is located

on the western side of the Training Building (Photograph 21, Appendix B). One wall-mounted transformer is located in the mechanical room of the Training Building.

The report identified the pad- and pole-mounted transformers as owned by the Southwestern Electric Power Company. One PMT was manufactured by General Electric in 1986, and was found to be in good condition. Three of the PMTs were manufactured by Central Malone in the 1950s and 1960s, and were noted to be in fair condition due to their age. The pad-mounted transformer was manufactured by Allis Chalmers in 1962, and was in good condition.

The wall-mounted transformer in the Training Building is owned by the U.S. government and was manufactured by Westinghouse in 1973; the 1997 report stated it was in good condition.

The report said that all of the transformers had no leaks and were non-PCB-containing. The report also identified some of the fluorescent light fixtures as having PCB ballasts.

### **3.5.9 OWS Evaluation Report**

According to the May 5, 2000, *Oil-Water Separator Evaluation* performed by EnSafe Inc., the 575-gallon OWS is of steel construction, covered with fiberglass reinforced polyester resin, and is connected to the sanitary sewer. No permit or monitoring was required for the OWS, which was installed in 1995 (Photograph 13, Appendix B). The evaluation noted that the OWS was connected to both the VWR and an abandoned nearby wash pad. Approximately 4 inches of sediment were noted in the discharge sump of the VWR, and the discharge sump of the abandoned wash pad was completely filled with sediment. The evaluation report recommended that the OWS and all drain lines and sumps leading to the OWS be cleaned out, the OWS be inspected on a routine basis, and the drain lines from the abandoned wash pad be disconnected from the OWS.

### **3.5.10 Indoor Firing Range Assessment Report**

During 1996, the former IFR at the USAR Center was evaluated for lead bullet residue. The findings were published in the April 18, 1996, report *Alternate Use of Indoor Firing Range at the Bossier City, USAR Center, Bossier City, Louisiana*. Eight wipe samples were collected from the floor, walls, furniture, and exhaust fan, with results ranging from non-detect to 216 micrograms of lead per wipe. Four of the eight samples were below the detection limit. The report stated that the former IFR met the criteria for alternate use. After that investigation, the former IFR was converted to a supply room.

#### 4.0 ADJACENT PROPERTIES

Figure 15 in Appendix A provides a 2002 aerial view of the Site and adjacent properties. To the north is Miller Road. Beyond Miller Road are the Illinois Central Gulf railroad tracks. Beyond the railroad tracks is I-20. Cooper Bayou is a water body that parallels the property boundary to the west and south. The perimeter of Barksdale Air Force Base is west and south of Cooper Bayou. The USACE Ft. Worth District — Eastern Area Office is on the northwest side of the Site. Agricultural fields are east of the site. Table 2 provides a list of adjacent properties with their directional location in regards to the Site. The zoning of the adjacent parcels is also listed in Table 2.

<b>Direction from Site</b>	<b>Name/Type of Property</b>	<b>Address</b>	<b>Zoning</b>
North	Miller Road; thence railroad right-of-way	N/A	A-1, Airbase Buffer
South	Cooper Bayou/ Barksdale Air Force Base	N/A	A-1, Airbase Buffer
East	Agricultural fields	N/A	R-A, Residential/Agricultural
West	Cooper Bayou/Barksdale Air Force Base/ USACE Center	280 Miller Road	A-1, Airbase Buffer

Appendix A provides historical aerial photographs and topographic maps, and Appendix E presents an environmental database report that was used to evaluate potential environmental impacts from adjacent and nearby properties that may have also impacted the environmental conditions at the Site. Historical land use does not appear to have impacted the environmental conditions of the USAR Center.

## **5.0 REVIEW OF REGULATORY INFORMATION**

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties where there has been a release or likely release of any hazardous substance or any petroleum product and that are likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product on the federal real property. An environmental database summary report was obtained from EDR on July 17, 2006. The EDR report consolidates standard federal, state, local, and tribal environmental record sources based on ASTM-recommended minimum search distances from the Site. A copy of the complete EDR report is included in Appendix E.

There were no environmental permits issued for the Site; therefore, there were no permit applications or associated permit documentation available for review. There were no known contamination events on the Site that required an environmental cleanup; therefore, the Site did not participate in the Installation Restoration Program, Military Munitions Response Program, or a Compliance Cleanup program.

TEJV interviewed local authorities and reviewed reasonably accessible USAR Center environmental documents, LDEQ files, and historical information obtained from the USDA's Benton Service Center, and the Bossier Parish Library Historical Center. Available information on potential impacts to the Site was assessed.

TEJV conducted multiple interviews with relevant personnel to discuss general environmental interest and specific areas of interest identified during the records review and Site visit. Section 9.0 of this report identifies the individuals interviewed with respect to conditions and operations at the Site and the information from those interviews incorporated into this report. The interviews included topics of general environmental interest and specific areas of interest identified during the records review and Site visit.

### **5.1 FEDERAL ENVIRONMENTAL RECORDS**

#### **5.1.1 Federal National Priorities List Sites within One Mile**

The National Priorities List (NPL) record is a USEPA list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the U.S. and its territories. NPL sites are targeted for long-term remedial action under CERCLA. According to the EDR report, the USAR Center is not an NPL site and there are no NPL sites within one mile of the Site.

#### **5.1.2 Federal CERCLA Information System Sites within One-Half Mile**

The CERCLA 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 CERCLA. CERCLIS contains sites that

are either proposed to be or are on the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL.

CERCLIS No Further Remedial Action Planned (NFRAP) sites have been removed and archived from CERCLIS sites. NFRAP status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and that no further steps will be taken to list this site on the NPL unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with the site; it means that, based on available information, the location is not judged to be a potential NPL site.

According to the EDR report, the USAR Center is not a CERCLIS or CERCLIS NFRAP site, and there are no CERCLIS or CERCLIS NFRAP sites located within one-half mile of the Site.

#### **5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within One Mile**

Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) represent facilities that have generated or managed hazardous wastes and require corrective action. According to the EDR report, the USAR Center is not a CORRACTS. No CORRACTS were identified within one mile of the Site.

As stated in Section 5.1.7, Barksdale Air Force Base is adjacent to the Site to the west and south. TEJV reviewed the December 2004 *Environmental Restoration Management Action Plan Barksdale Air Force Base*, which summarized the status of the base's installation environmental restoration program. The sites investigated at Barksdale Air Force Base have included 16 sites undergoing combined investigations under RCRA and CERCLA. The EDR report did not list any of the Barksdale Air Force Base sites on RCRA CORRACTS.

#### **5.1.4 RCRA Treatment, Storage, and/or Disposal Facilities within One-Half Mile**

The RCRA Information (RCRAInfo) database includes selective information on sites that generate, transport, and treat, store, and/or dispose (TSD) of hazardous waste, as defined by RCRA. According to the EDR report, the USAR Center is not a RCRA TSD site and there are no such sites located within one-half mile of the Site.

### **5.1.5 Federal RCRA Small- and Large-Quantity Generators Listed within One-Quarter Mile**

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. RCRA small-quantity generators (SQGs) are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month, while a large-quantity generator (LQG) is defined as a facility generating more than 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month.

The USAR Center is listed as a CESQG on RCRAInfo. According to RCRAInfo, this facility has had no documented violations of hazardous waste rules.

According to the EDR report, no RCRA SQGs or LQGS were identified within one-quarter mile of the Site.

### **5.1.6 Federal Emergency Response Notification System List**

The federal Emergency Response Notification System (ERNS) List provides information on reported releases of oil and hazardous substances. According to the EDR report, the USAR Center is not listed on the ERNS List.

### **5.1.7 Department of Defense Sites List**

Barksdale Air Force Base is adjacent to the Site to the west and south. The base was listed as a DoD site in the EDR report. TEJV reviewed the *Environmental Restoration Management Action Plan Barksdale Air Force Base*, published in December 2004. This document summarized the status of the base's installation environmental restoration program. The sites investigated at Barksdale Air Force Base have included bomb ranges, disposal pits, spill areas, storage tanks, fire-training areas, landfills, wastewater treatment plants, and radiological waste sites. Approximately 21 of those sites are being investigated under CERCLA, with another 16 sites combined under both CERCLA and RCRA. Primary contaminants in soil and water have included fuels, waste solvents, paints, shop waste, debris, drilling fluids, petroleum products, pesticides, sludge, chemical warfare agents, radiological waste, and inorganic compounds. As of December 2004, 22 sites at the base had been closed, 10 sites had been recommended for no further action, and 20 sites required additional remedial investigation or action. According to the report, investigative work is expected to continue at several sites through fiscal year 2020, and monitoring is expected to continue at select sites through 2027. None of the sites under investigation at the Barksdale Air Force Base were specifically listed as NPL, CERCLIS, or RCRA sites in the EDR report.

## **5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS**

The regulatory information presented below was obtained from the EDR report. Supplemental information was also obtained from database searches of LDEQ's Electronic Document Management System.

### **5.2.1 State-Registered Landfills or Solid Waste Disposal Sites within One-Half Mile**

According to the EDR report, no solid waste landfills, incinerators, or transfer stations are located within one-half mile of the USAR Center. There is no solid waste landfill, incinerator, or transfer station on the Site.

### **5.2.2 State-Registered Leaking UST Sites within One-Half Mile**

According to the EDR report, five leaking underground storage tanks (LUST) sites were identified within one-half mile of the USAR Center. The Site itself is not listed in the LUST database. Table 3 lists the LUST sites along with their addresses and elevations relative to the Site. As shown in Table 3, one of the five LUST sites has received closure, indicating that no further remedial action is required and that residual petroleum contamination does not pose a concern for human health or the environment.

Based on review of piezometric information contained in reports obtained from the LDEQ for the Day and Night #34 and Gainesway sites, groundwater beneath the Industrial Drive area flows north-northwest. Based on a review of piezometric information contained in reports reviewed for Circle K #8189, groundwater beneath the East Texas Street area flows to the east. File information for the Industrial Drive Exxon indicated groundwater flows to the west. Circle K #8189 is at a higher elevation than the Site, but groundwater flow direction at Circle K is to the east so it is considered a low risk to the Site. The other leaking UST sites are at elevations lower than the Site and they too are considered to represent a low risk to the Site.

### **5.2.3 State-Registered UST Sites within One-Quarter Mile**

USTs are regulated under RCRA Subtitle I and must be registered with the state department responsible for administering the UST program. According to the EDR report, five registered UST facilities were identified within one-half mile of USAR Center. Table 4 lists the sites along with their address and elevation relative to the Site. The Site itself is not listed in the LDEQ UST database. Two of the sites in Table 4 are at elevations higher than the USAR Center, while the other three are at lower elevations. The active registered USTs are not known to have had releases and/or, as discussed above in the LUST section, these sites are considered to represent a low risk to the Site.

<b>Table 3 Leaking Underground Storage Tank Sites</b>				
<b>Site Name/ LDEQ Facility No.</b>	<b>Address</b>	<b>Distance and Direction from Site</b>	<b>Status</b>	<b>Elevation Relative to Site</b>
Day and Night #34 #6980	3820 Industrial Drive	Approximately 673 feet North	1993 petroleum product release. Remedial action ongoing.	Lower
Gainesway #7378	3811 Industrial Drive	Approximately 861 feet North	1992 gasoline release. Remedial action ongoing.	Lower
Circle K #8189 #75326	4629 East Texas Street	Approximately 2,278 feet North	Petroleum product releases in 1992 and 2005. Remedial action ongoing.	Higher
Industrial Drive Exxon #08-004056	3818 Industrial Drive	Approximately 1,225 feet North	Petroleum release in 1994.	Lower
Southern Maid Donuts #08-013282	4701 East Texas Street	Approximately 2,359 feet North	1993 petroleum product release. Site granted No Further Action based on very low sample results.	Lower

<b>Table 4 Underground Storage Tank Sites</b>				
<b>Company/Site</b>	<b>Address</b>	<b>Distance and Direction from Site</b>	<b>Tank Status</b>	<b>Elevation Relative to Site</b>
Day and Night #34 #6980	3820 Industrial Drive	Approximately 673 feet North	One 12,000-gallon and two 10,000-gallon gasoline USTs. One 10,000-gallon diesel UST in service. All fiberglass construction.  Release documented (see Table 3).	Lower
Gainesway #7378	3811 Industrial Drive	Approximately 861 feet North	Four 6,000-gallon gasoline USTs removed. Release documented (see Table 3).	Lower
Delta Minimart #19 #13415	3818 Industrial Drive	Approximately 1,225 feet North	One 20,000-gallon and two 10,000-gallon gasoline USTs. One 12,000-gallon diesel UST in service. All composite construction.  Two 10,000-gallon, one 8,000-gallon, and one 6,000-gallon gasoline USTs removed. One 1,000-gallon used oil UST removed. One 250-gallon "miscellaneous contents" UST removed.  Release documented for Industrial Drive Exxon at this address (see Table 3).	Lower
Sundowner C Store #70413	3790 Industrial Drive	Approximately 1,271 feet North	One 12,000-gallon and two 10,000-gallon gasoline USTs. One 10,000-gallon diesel UST in service. All steel construction.	Higher
Circle K #8189 #75326	4629 East Texas Street	Approximately 2,278 feet North	Three 10,000-gallon gasoline USTs. All fiberglass construction. Release documented (see Table 3).	Higher

#### **5.2.4 State-Registered Leaking AST Sites within One-Half Mile**

According to the EDR report, there are no state-registered leaking ASTs within one-half mile of the USAR Center.

#### **5.2.5 State-Registered AST Sites within One-Quarter Mile**

According to the EDR report, there are no state-registered ASTs within one-quarter mile of the USAR Center.

#### **5.2.6 State-Registered Sites with Engineering and Institutional Controls within One-Half Mile**

Institutional controls include administrative procedures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post-remediation care requirements intended to prevent exposure to contaminants remaining onsite. 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. According to the EDR report, no state-registered sites with Institutional or Engineering Controls are located within one-half mile of USAR Center.

#### **5.2.7 Voluntary Action Program Sites within One-Half Mile**

Brownfields sites are included on the Superfund Voluntary Cleanup, Oversight, and Assistance Program listing. According to the EDR report, no state-registered Voluntary Action Program Sites are located within one-half mile of the USAR Center.

#### **5.2.8 State Voluntary Cleanup and Superfund Site Status Reports within One Mile**

There are no State Voluntary Cleanup and Superfund Sites with one mile of the USAR Center.

#### **5.2.9 State-Registered Dry-Cleaning Facilities within One-Quarter Mile**

According to the EDR report, there are no state-registered dry-cleaning facilities within one-quarter mile of the USAR Center.

#### **5.2.10 State Brownfields Program Sites within One-Half Mile**

Included in the state brownfields program listing are brownfields properties addressed by Cooperative Agreement Recipients and brownfields properties targeted by Targeted Brownfields Assessments. According to the EDR report, no state-registered Brownfield Program Sites are located within one-half mile of the USAR Center.

### **5.3 TRIBAL ENVIRONMENTAL RECORDS**

According to the EDR report, no designated Indian Reservations are located within one mile of the USAR Center.

### **5.4 UNMAPPED SITES**

The EDR report yielded 22 unmapped sites. Unmapped sites are those with address information sufficient only to identify them as within the same zip code as the target Site. TEJV identified and/or estimated the location of each site and none of them were determined to be within the corresponding ASTM minimum search distances for the databases on which they were listed.

### **5.5 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO SITE**

During review of environmental information summarized in Section 5, multiple databases and sites were reviewed to evaluate potential risks to the Site. Based on an evaluation of available information and details concerning the identified sites, no "High Risk" sites were identified in the area of the Site. "High Risk" properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

## **6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS**

Findings documented in the following subsections are based on the August 9, 2006, Site and area reconnaissance, a review of available site records, and information obtained from USAR personnel.

### **6.1 USTs/ASTs**

No petroleum USTs or ASTs are currently on the Site. No permit is required for the 575-gallon OWS, which is not required to be registered with the LDEQ.

### **6.2 INVENTORY OF CHEMICALS/HAZARDOUS SUBSTANCES**

During the Site visit, the only chemicals and hazardous substances observed on the Site were the cleaning supplies in the janitor's closet and the cleaning cart in the Training Building. The OMS contained a locker that held five containers, one gallon or less in size, which appeared to contain antifreeze, paint thinner, or oil.

Two empty, rusted, and unlabeled drums were noted near the southwest corner of the MEP area (Photograph 18, Appendix B). There was no evidence of a release associated with the empty drums.

### **6.3 WASTE DISPOSAL SITES**

No signs of landfilling or illegal waste disposal activities were observed during the Site visit.

### **6.4 PITS, SUMPS, DRY WELLS, AND CATCH BASINS**

No sumps, pits, dry-wells, or catch basins were noted during the Site visit.

Floor drains are located inside the mechanical room, kitchen, scullery, restrooms, and on a concrete curbed kitchen/janitorial wash pad on the east side of the Training Building. All floor drains are connected to the sanitary sewer. Also, a grease trap associated with the kitchen is outside the Training Building.

The VWR has a concrete foundation that slopes toward a slotted floor drain that is connected to a buried, 575-gallon OWS, and ultimately discharges to the sanitary sewer.

### **6.5 ASBESTOS-CONTAINING MATERIAL**

As described in Section 3.5.5, asbestos was found in the roof of the Training Building. TEJV did not assess the roof during the Site visit.

### **6.6 PCB-CONTAINING EQUIPMENT**

As described in Section 3.5.8, there are no known PCB-containing transformers on the Site. Some of the fluorescent light fixtures were identified as having PCB ballasts. Any

light ballast not marked with "No PCBs" should be assumed to contain PCBs and management and disposal of these light ballasts must be in accordance with local, State and Federal requirements. The light ballasts observed at the Site were in good condition and no dielectric fluid was observed during the Site visit.

#### **6.7 LEAD-BASED PAINT**

As described in Section 3.5.3, LBP was detected on the Site in discrete locations during a 1997 site assessment by ETC Engineers, Inc., and recommendations were made for mitigation measures to reduce the risk of release and exposure to LBP through normal activities. During the Site visit, the paint in both buildings appeared to be in good condition.

#### **6.8 RADON**

As described in Section 3.5.4, radon tests were performed at 22 locations in the Training Building. All results were 1.0 pCi/L or less.

Bossier Parish, which includes the Site, is in USEPA's Radon Zone 3. Zone 3 has "Low Potential" for radon and the average short-term radon measurement that can be expected in a building is less than 2 pCi/L. The USEPA recommended action level is 4.0 pCi/L.

#### **6.9 UNEXPLODED ORDNANCE**

No indications were found during the Site visit or during the review of records to indicate the presence of munitions and explosives of concern at the Site.

#### **6.10 RADIOACTIVE MATERIALS**

During the Site visit and records review process, no indications were found of the past storage or use of radiological commodities at the USAR Center.

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## **7.0 REVIEW OF SPECIAL RESOURCES**

### **7.1 LAND USE**

According to information obtained from the City of Bossier City, the Site and surrounding area to the north, west, and south are zoned A-1, Air Base Buffer, while the surrounding area to the east is zoned R-A, Residential/Agricultural. Figure 15 in Appendix A provides a 2002 aerial photograph of the USAR Center and surrounding properties, and depicts current land use. As shown in that figure, Miller Road is north of the Site. The USACE Ft. Worth District — Eastern Area Office is on the northwest side of the Site. Cooper Bayou is a water body that parallels the property boundary to the west and south. The perimeter of Barksdale Air Force Base is west and south of Cooper Bayou. Agricultural fields are east of the site.

### **7.2 COASTAL ZONE MANAGEMENT**

Bossier Parish is not one of the 19 parishes within the Louisiana coastal zone boundary. Therefore, there is no coastal zone management plan for Bossier City, Louisiana. The Site is approximately 190 miles north of the Gulf of Mexico.

### **7.3 WETLANDS**

No wetlands or wetland vegetation were noted on the Site during the Site visit. A search for wetland information was conducted online from the U.S. Fish and Wildlife Service Web site, with no digital data available for the Site. According to USDA soil survey information, the predominant surface soil composition in the area of the Site (Moreland Clay) is not a hydric soil that would be associated with wetlands. EDR did not have wetlands information for the Site.

### **7.4 100-YEAR FLOODPLAIN**

According to the online Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Panel Number 2200330020C, obtained from the Bossier City Web site (Figure 16, Appendix A), the Site is not in the 100-year or 500-year floodplain. Cooper Bayou, which parallels the western boundary of the site, is in FEMA zone A-1 which is subject to inundation in the 100-year floodplain. The EDR report Overview Map (Appendix E) depicts the extent of the nearest 100-year and 500-year floodplain in relation to the site.

### **7.5 NATURAL RESOURCES**

The USAR Center was not included in any threatened and endangered species habitat analysis previously performed for 90<sup>th</sup> RRC facilities. A statewide list of threatened and endangered species was obtained from the Louisiana Department of Wildlife and Fisheries (LDWF). No separate list was available for Bossier Parish. Statewide, the list includes three plants, five invertebrates, one amphibian, four fish, nine reptiles, 11 birds, and

eight mammals as threatened and endangered (see the LDWF Threatened or Endangered Table in Appendix D).

TEJV examined the LDWF Threatened or Endangered Table and determined that many of the marine and/or aquatic species would not be found in the upland habitat of the Site. Based on the developed nature of the Site, its small size, and lack of sensitive natural resources, no rare species are expected to be established on the Site. Except for potential incidental use by migrants, the threatened and endangered species are unlikely to occur at the Site.

## **7.6 CULTURAL RESOURCES**

As described in Sections 3.5.2 and 3.5.6, architectural and archaeological assessments were performed for the Site. The architectural assessment report concluded that the buildings on the Site were not eligible for placement on the National Register of Historic Places because they did not meet the 50-year age criteria and they did not appear to possess exceptional historical importance. No further architectural surveys were recommended for this Site until 2024. The archaeological assessment concluded the Site has a “high” archaeological potential, because the Site is on Copper Bayou and 5.6 acres of the property have not been developed. Additionally, the report recommended a survey be done on the undeveloped portions of the Site.

## **7.7 OTHER SPECIAL RESOURCES**

There are no other known resources that could affect the Site.

## 8.0 CONCLUSIONS

TEJV, under contract to the USACE, Louisville District, has prepared this ECP Report for the Bossier City USAR Center (Facility ID LA007), at 300 Miller Road, Bossier City, Bossier Parish, Louisiana. The Site encompasses 10.36 acres of land and is currently active; the 4013<sup>th</sup> Garrison Support Unit and Detachment 1 of the 820<sup>th</sup> Signal Company occupy the facility. The Site contains a Training Building, an OMS, a REC shelter, a flammable materials storage locker, and a VWR with OWS. The Site has primarily functioned as an administrative and educational training facility.

Findings of this ECP are based on existing environmental information, including visual observations, Site records, and federal, state, and local database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the Site. The following present the findings related to areas evaluated during the ECP process.

- **Hazardous Substances.** Chemicals containing CERCLA hazardous substances would have been used and stored at the Site in amounts necessary to support unit-level vehicle and building maintenance activities. However, the quantities stored for one year or more would not have exceeded 1,000 kg or the RQ of designated hazardous substances, or one kg of acutely hazardous waste. There is no evidence that the chemicals used or stored were ever improperly handled, released, or disposed at the Site.
- **USTs/ASTs.** No petroleum ASTs or USTs are known to have been used on the Site since the U.S. Government's purchase of the property in 1972.
- **Non-UST/AST Petroleum Storage.** Petroleum storage would have occurred in designated areas within the OMS and the flammable materials storage locker. There is no evidence that non-UST/AST petroleum products in excess of 55 gallons were stored for one year or more on the Site.
- **PCBs.** A PCB assessment was performed in 1997 on the Site of electric transformers and fluorescent lighting fixtures. The transformers were determined to be non-PCB containing, but some of the fluorescent light fixture ballasts contained PCBs. Any light ballast not marked with "No PCBs" should be assumed to contain PCBs and management and disposal of these light ballasts must be in accordance with local, State and Federal requirements. The light ballasts observed at the Site were in good condition and no dielectric fluid was observed during the Site visit.
- **ACM.** In 1997, an asbestos survey of the Site indicated there was ACM in roof materials on the Training Building, which was scheduled for replacement.

- **LBP.** ETC Engineers, Inc. performed a LBP assessment of the USAR Center in 1993. The assessment documented materials/surfaces containing LBP in the USAR Center and presented abatement recommendations and a management plan. During the Site visit, painted surfaces in the buildings were observed to be in good condition.
- **Radiological Materials.** No radiological materials were identified during the Site visit. There is no evidence to suggest that radiological commodities were improperly managed at the Site, or that any radionuclides were ever released.
- **Radon.** In 1994, radon tests were performed at 22 locations in the Training Building. All results were 1.0 pCi/L or less. The USEPA recommended action level is 4.0 pCi/L. Based on actual measurements, radon is not an environmental concern at the Site.
- **Munitions and Explosives.** No evidence was found during the Site visit or records review process of the past presence of munitions or explosives of concern at the Site.
- **Surrounding Properties.** Potential environmental properties of concern, located within the corresponding ASTM minimum search distances from the Site, were evaluated. Land use at the adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center. No "High Risk" properties were identified.

Areas of potential environmental concern were reviewed and TEJV found no significant concerns relating to the environmental condition of the Site. In accordance with DoD policy defining the classifications (see S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the 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.

---

## 9.0 REFERENCES

### PERSONS CONTACTED

- Sergeant First Class Wheeler, Bossier City USAR Center Facility Manager, Interview on August 9, 2006.
- Mo Parker, Planner for Bossier City Zoning Department, (318) 741-8824, Interview on September 12, 2006.

### RESOURCES CONSULTED

- Bossier City, Louisiana. *Bossier City Flood Zone Map, Bossier City Zoning Map.* <http://www.bossiercity.org/>.
- ECCI. *Environmental Baseline Survey, Bossier City United States Army Reserve Center.* May 2005.
- EnSafe Inc. *Oil-Water Separator Evaluation.* May 5, 2000.
- Environmental Data Resources Inc. *The EDR Radius Map with GeoCheck, 440 Wheelers Farms Road, Milford, Connecticut 06461.* Inquiry No. 1716236.2s. July 17, 2006. Topographic maps of the USGS Bossier City Quadrangle, 1969, 1975, and 1998.
- ETC Engineers, Inc. *Report of Findings, Lead-Based Paint and Ozone-Depleting Chemicals Assessment and Management, Bossier City USAR Center, Bossier City, Louisiana.* January 1994.
- Goodman, S.W. *Memorandum: Clarification of "Uncontaminated" Environmental Condition of Property at Base Realignment and Closure (BRAC) Installations.* October 21, 1996.
- Louisiana Department of Wildlife and Fisheries. *Threatened and Endangered Table.* <http://www.wlf.louisiana.gov/experience/threatened/threatenedandendangeredtable/>.
- Louisiana Department of Environmental Quality. Electronic Document Management System. <http://edms.deq.louisiana.gov/app/Doc/QueryDef.aspx>.
- NETR-Real Estate Research & Information, 2055 East Rio Salado Parkway, Tempe, Arizona, 85281. *Historical Chain-of-Title Report.* Project No. N06-4927. August 5, 2006.
- Parsons Engineering Science, Inc. *Archeological Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana.* February 1998.

- Parsons Engineering Science, Inc. *Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana*. February 1998.
- Parsons Engineering Science, Inc. *Management Summary, Cultural Resources Assessment of 90<sup>th</sup> Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas*. February 1998.
- Radon Testing Corporation of America. Radon test results for sampling conducted on February 14, 1994.
- U.S. Air Force. *Environmental Restoration Management Action Plan Barksdale Air Force Base*. December 2004.
- U.S. Army Center for Health Promotion and Preventive Medicine. *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97 (for 90<sup>th</sup> RRC)*. September 30, 1997.
- U.S. Army 90<sup>th</sup> Regional Support Command. *Alternate Use of Indoor Firing Range at the Bossier City, USAR Center, Bossier City, Louisiana*. April 18, 1996.
- U.S. Army 90<sup>th</sup> Regional Support Command. *Asbestos Building Reinspection, Bossier City U.S. Army Reserve Center, Bossier City, Louisiana*. November 1997.
- U.S. Department of Agriculture. Benton Service Center. 200 Burt Boulevard, Suite 101, Benton, Louisiana 71006-4901. Aerial Photographs dated 1972 and 1982.
- U.S. Geological Survey TerraServer-USA. (1998 and 2002 aerial photographs). Retrieved from <http://www.terraserver-usa.com/>
- Weston Solutions, Inc. *Barksdale Hazardous Waste Permit Application*. September 2004.

#### **AGENCIES CONTACTED**

- Bossier Parish Library Historical Center
- Bossier Parish Library
- Shreveport City Engineer
- U.S. Department of Agriculture, Benton Service Center

**Appendix A**  
**Figures**

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Figure 17	Bossier City Zoning Map

**Appendix B**  
**Site Reconnaissance Photographs**

**Appendix C**  
**Chain-of-Title Report**

**Appendix D**  
**Previous Environmental Reports**

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**PREVIOUS ENVIRONMENTAL REPORTS**

1. EnSafe Inc. *Oil-Water Separator Evaluation U.S. Army Reserve 90<sup>th</sup> RSC.* May 5, 2000.
2. Environmental, Compliance, and Construction, Inc. *Environmental Baseline Survey, Bossier City U.S. Army Reserve Center.* May 2005.
3. ETC Engineers, Inc. *Report of Findings, Lead-Based Paint and Ozone-Depleting Chemicals Assessment and Management, Bossier City USAR Center, Bossier City, Louisiana.* January 1994.
4. Louisiana Department of Wildlife and Fisheries. *Threatened and Endangered Table.* <http://www.wlf.louisiana.gov/experience/threatened/threatenedandendangeredtable/>.
5. Parsons Engineering Science, Inc. *Archeological Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana.* February 1998.
6. Parsons Engineering Science, Inc. *Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Louisiana.* February 1998.
7. Parsons Engineering Science, Inc. *Management Summary, Cultural Resources Assessment of 90<sup>th</sup> Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.* February 1998.
8. Radon Testing Corporation of America. Radon test results for sampling conducted on February 14, 1994.
9. U.S. Air Force. *Environmental Restoration Management Action Plan Barksdale Air Force Base.* December 2004.
10. U.S. Army Center for Health Promotion and Preventive Medicine. *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97 (for 90<sup>th</sup> RRC).* September 30, 1997.
11. U.S. Army 90<sup>th</sup> Regional Support Command. *Alternate Use of Indoor Firing Range at the Bossier City, USAR Center, Bossier City, Louisiana.* April 18, 1996.
12. U.S. Army 90<sup>th</sup> Regional Support Command. *Asbestos Building Reinspection, Bossier City U.S. Army Reserve Center, Bossier City, Louisiana.* November 1997.
13. Weston Solutions, Inc. *Barksdale Hazardous Waste Permit Application.* September 2004.

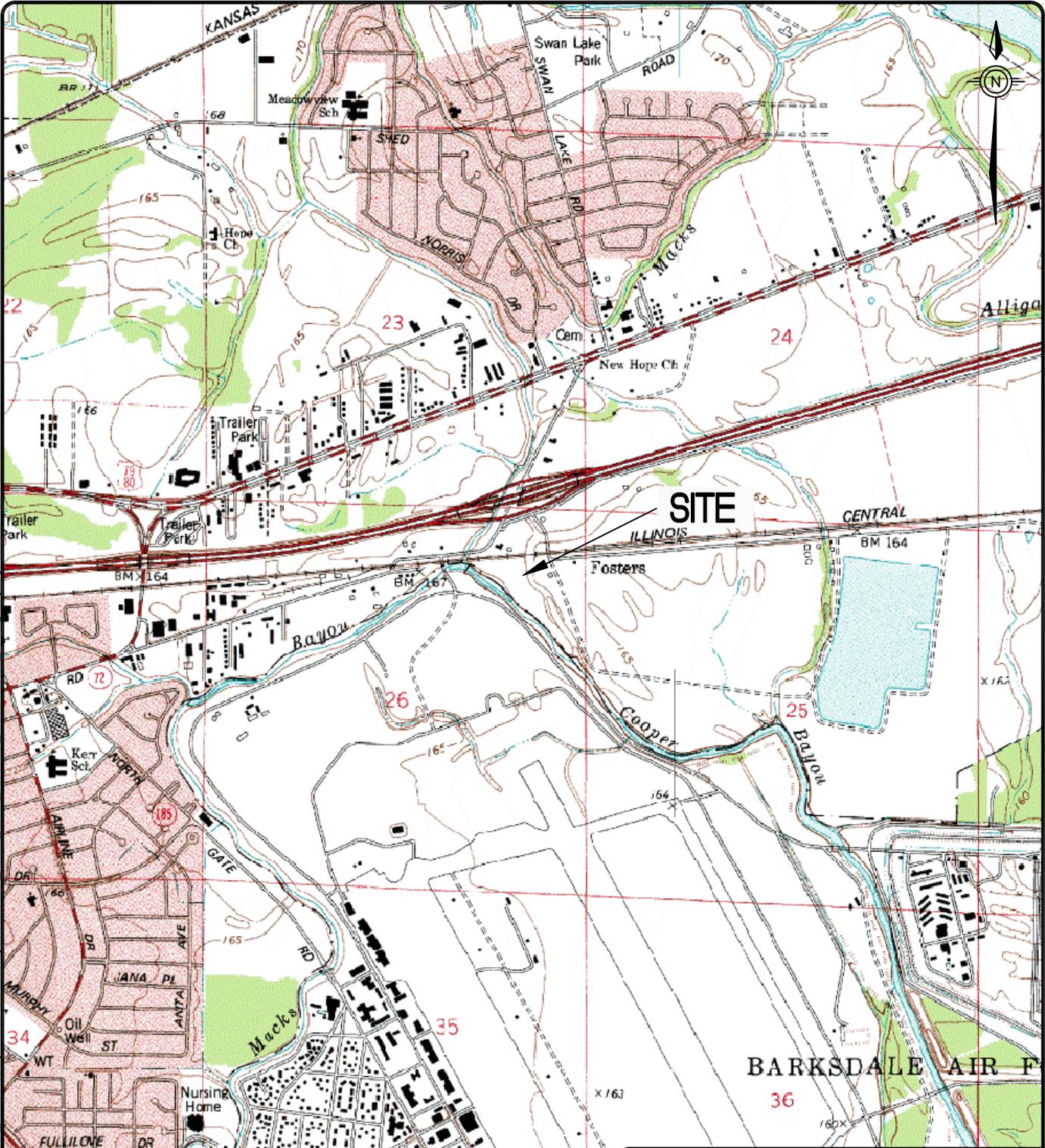
**Appendix E**  
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Figure 16	FEMA Flood Plain Map
Figure 17	Bossier City Zoning Map

I:\PROJECTS-BST\0888802978 -enviro\BRAC\enviro BRAC data\802978W160 -LA07-FIG 1-SITE LOC-BOSSIER CITY-1A.dwg 9/18/2006 8:36:28 AM CST

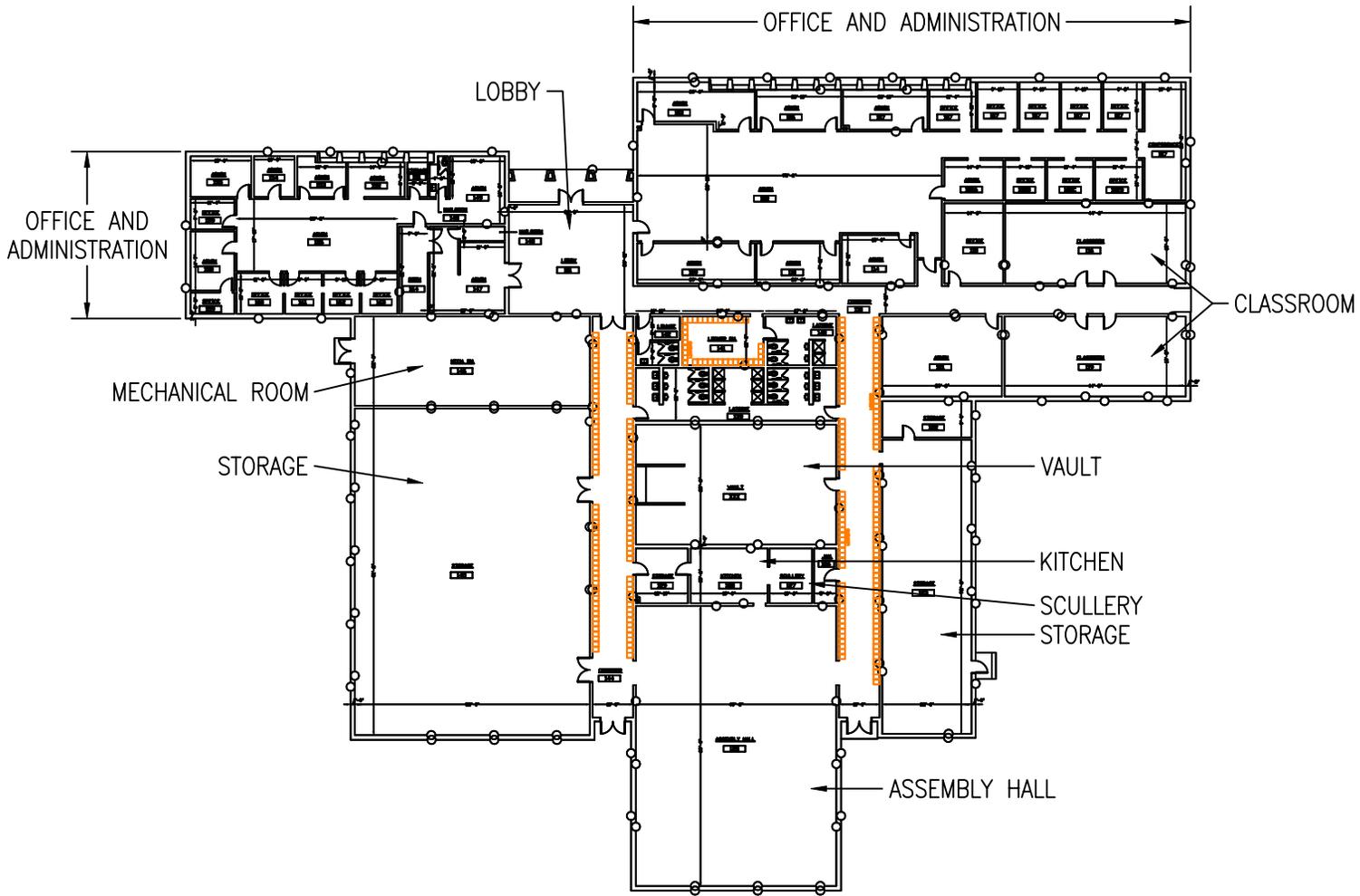


MAP SOURCE:  
 U.S.G.S. 7.5 MINUTE QUADRANGLE  
 BOSSIER CITY, LA 1975

**FIGURE 1**  
 GENERAL SITE LOCATION MAP  
 ENVIRONMENTAL CONDITION OF PROPERTY  
 BOSSIER CITY USAR CENTER  
 BOSSIER CITY, LOUISIANA

REQUESTED BY: GEISSINGER	
DRAWN BY: WOOSLEY	
DWG DATE: 09/18/06	
DWG NO: 802978W160	





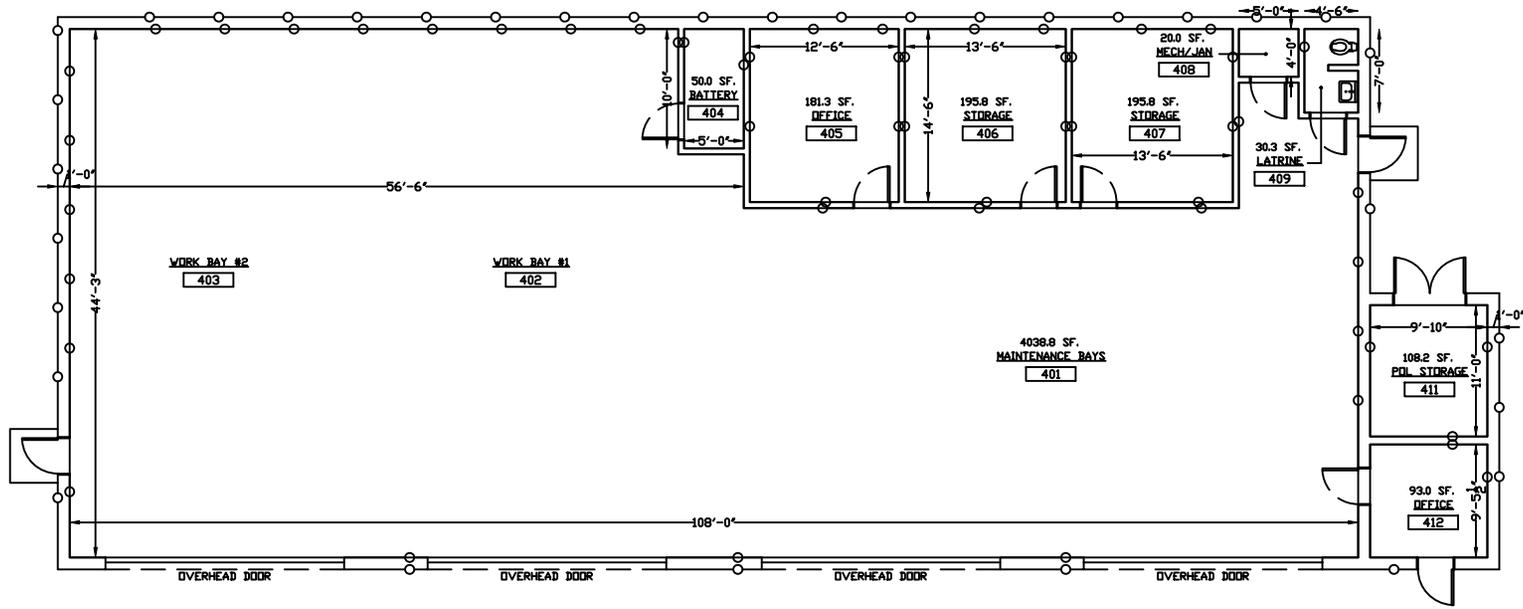
SCALE: 3/128" = 1'

SOURCE:  
U.S. ARMY RESERVE  
90TH REGIONAL READINESS COMMAND

FIGURE 3  
EXISTING TRAINING BUILDING FLOOR PLAN  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

REQUESTED BY:	GEISSINGER
DRAWN BY:	BRONSON
DWG DATE:	08/24/06
DWG NO:	802978B044





SCALE: 1/16" = 1'

SOURCE:  
U.S. ARMY RESERVE  
90TH REGIONAL READINESS COMMAND

FIGURE 4  
EXISTING OMS BUILDING FLOOR PLAN  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

REQUESTED BY:	GEISSINGER
DRAWN BY:	BRONSON
DWG DATE:	08/24/06
DWG NO:	802978B045









I:\PROJECTS-BST\0888802978\_enviro\BRAC\enviro\BRAC\02978W165\_LA007-FIG 8\_1978\_TOPO\_BOSSIER CITY\_LA.dwg 9/18/2006 9:48:44 AM CST

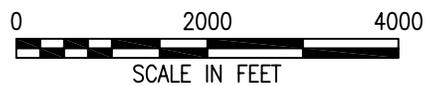
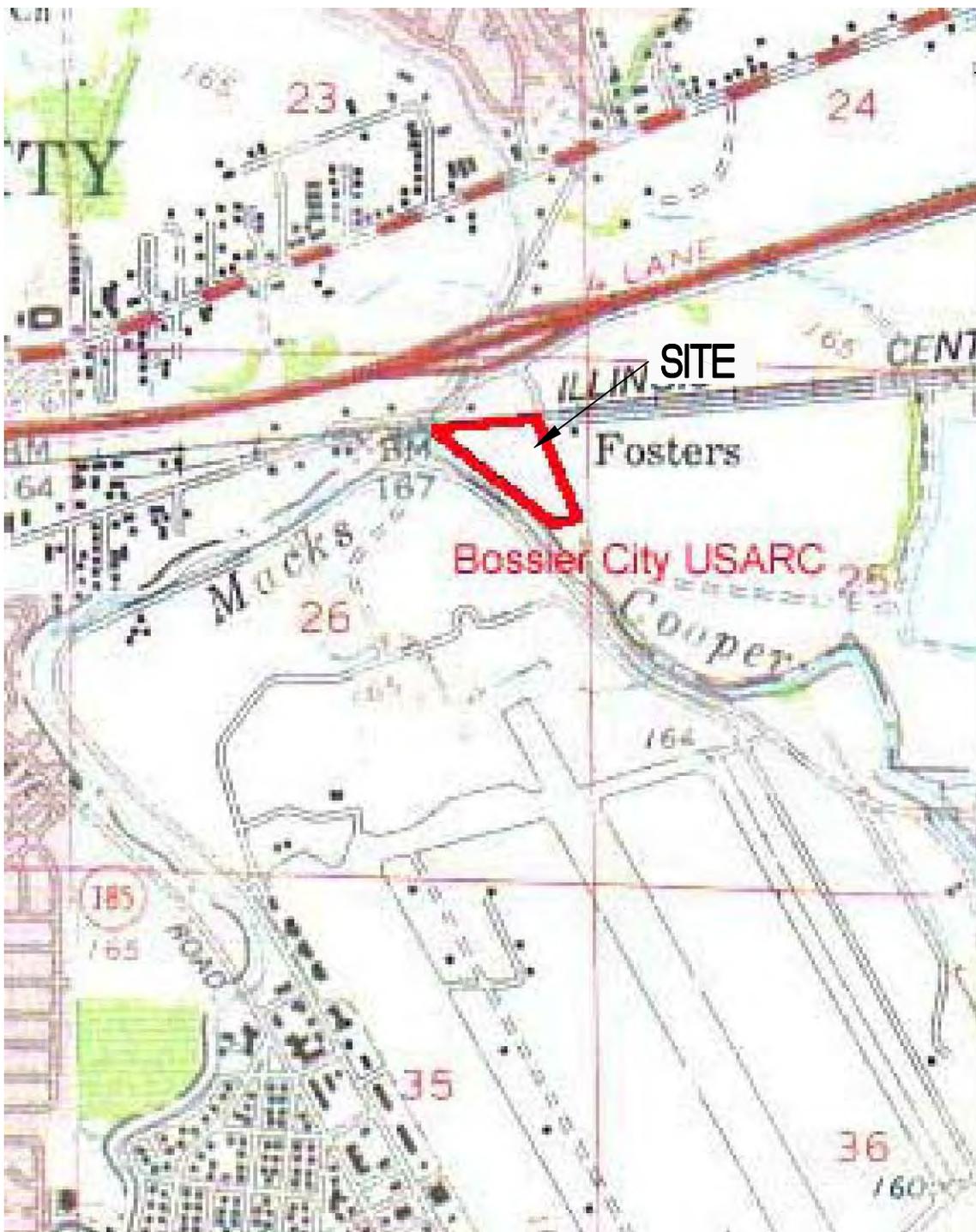


FIGURE 8  
 1978 TOPOGRAPHIC MAP  
 ENVIRONMENTAL CONDITION OF PROPERTY  
 BOSSIER CITY USARC CENTER  
 BOSSIER CITY, LOUISIANA

MAP SOURCE:  
 U.S.G.S. 7.5 MINUTE QUADRANGLE  
 BOSSIER CITY, LA

REQUESTED BY:	GEISSINGER
DRAWN BY:	WOOSLEY
DWG DATE:	09/18/06
DWG NO:	802978W165



I:\PROJECTS-BST\0888802978\_enviro\BRAC\enviro BRAC data\802978W166\_LA007-FIG 9\_1998\_TOPO\_BOSSIER CITY\_LA.dwg 9/18/2006 9:49:45 AM CST

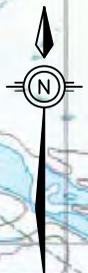
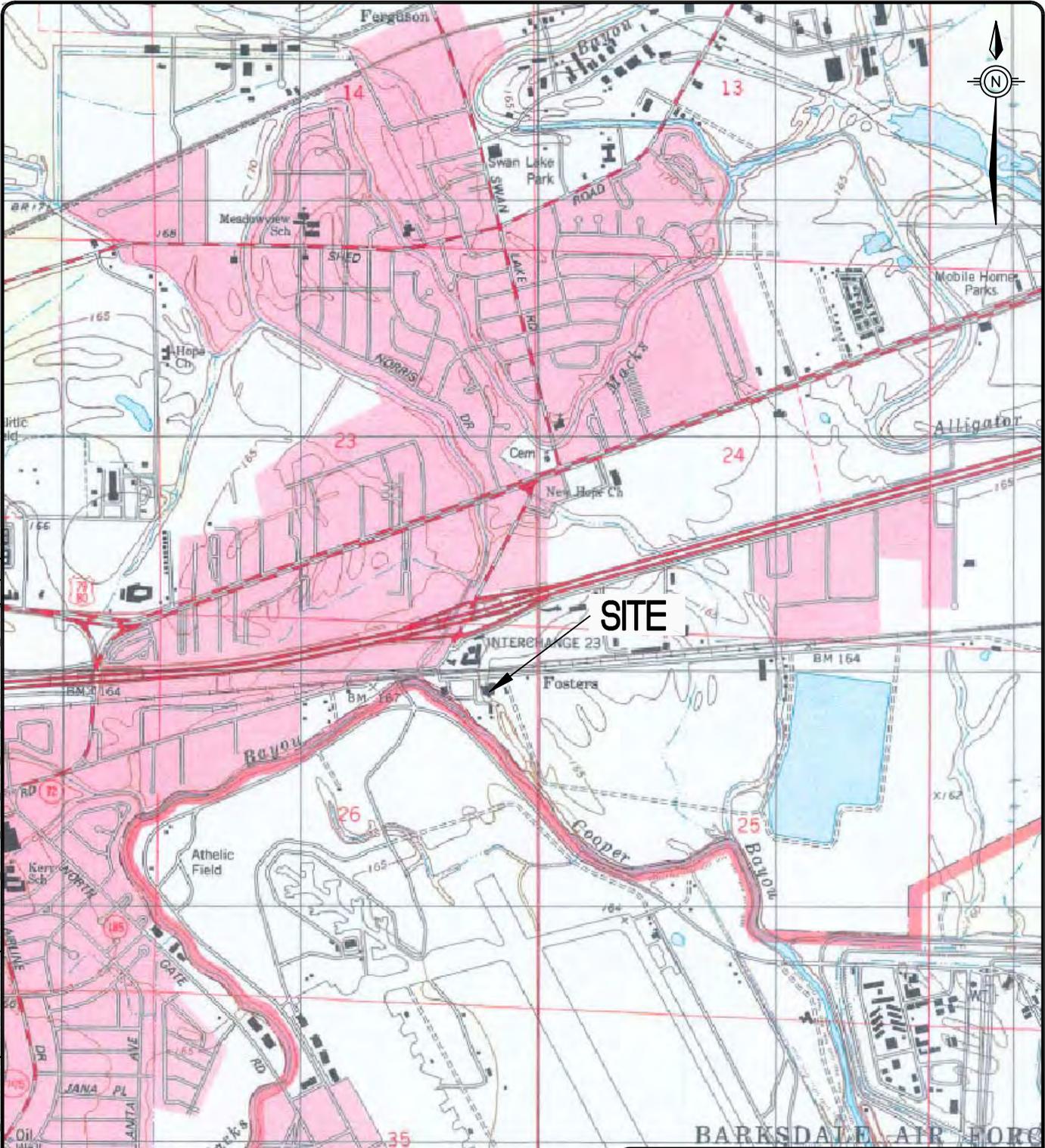


FIGURE 9  
1998 TOPOGRAPHIC MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

MAP SOURCE:  
U.S.G.S. 7.5 MINUTE QUADRANGLE  
ENVIRONMENTAL DATA RESOURCES, INC.  
BOSSIER CITY, LA

REQUESTED BY: GEISSINGER  
DRAWN BY: WOOSLEY  
DWG DATE: 09/18/06  
DWG NO: 802978W166



Aerial Photograph  
May 30, 1936  
Source: 90th RRC



**SITE**

Bossier City USARC

I:\PROJECTS-BST\0888802978\_enviro\BRAC\_data\802978W167\_LA007-FIG 10-1936\_AERIAL\_BOSSIER CITY\_LA.dwg 9/18/2006 9:53:43 AM CST

SOURCE:  
90th RRC

NOT TO SCALE

FIGURE 10  
1936 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

REQUESTED BY: GEISSINGER	
DRAWN BY: WOOSLEY	
DWG DATE: 09/18/06	
DWG NO: 802978W167	



I:\PROJECTS--BST\0888602978 enviro\BRAC\enviro\BRAC\02978W169 LA007 FIG 12 -1972 AERIAL\_BOSSIER CITY\_LA.dwg 9/18/2006 9:58:49 AM CST

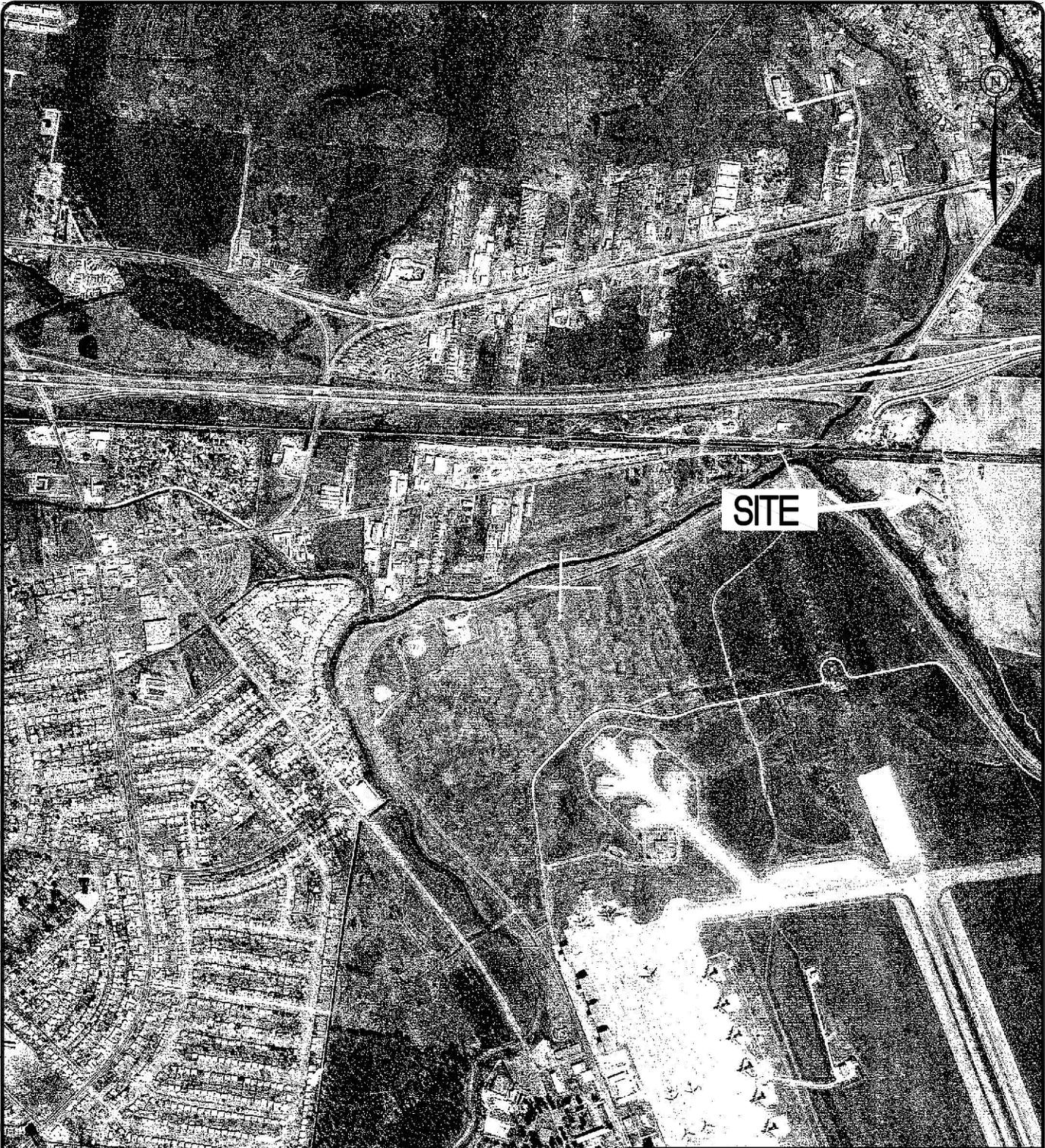


FIGURE 12  
1972 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

SOURCE:  
NRCS

NOT TO SCALE

REQUESTED BY: GEISSINGER

DRAWN BY: WOOSLEY

DWG DATE: 09/18/06

DWG NO: 802978W169



Aerial Photograph  
1974  
Source: 90th RRC



**SITE**

Bossier City USARC

I:\PROJECTS-BST\0888802978 -enviro\BRAC\enviro BRAC data\802978W170 -LA007 -FIG 13 -1974 -AERIAL -BOSSIER CITY -LA.dwg 9/18/2006 10:00:14 AM CST

FIGURE 13  
1974 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

REQUESTED BY: GEISSINGER	
DRAWN BY: WOOSLEY	
DWG DATE: 09/18/06	
DWG NO: 802978W170	

SOURCE:  
90th RRC

NOT TO SCALE

I:\PROJECTS--BST\0888602978\_enviro\BRAC\enviro BRAC ddtg\802978W171\_LA007-FIG 14 -1982 AERIAL\_BOSSIER CITY\_LA.dwg 9/18/2006 10:02:37 AM CST

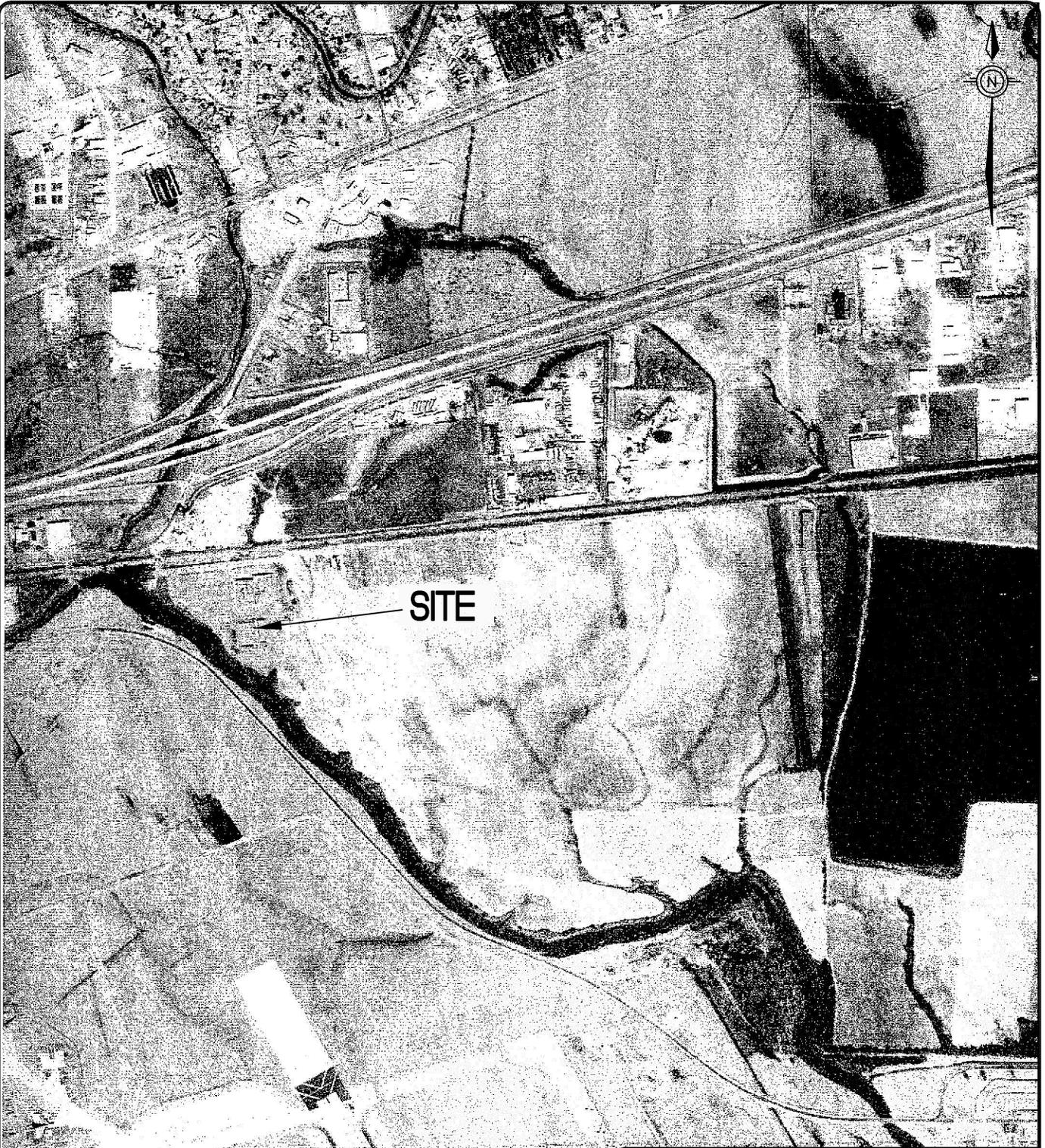


FIGURE 14  
1982 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

SOURCE:  
NRCS

NOT TO SCALE

REQUESTED BY: GEISSINGER

DRAWN BY: WOOSLEY

DWG DATE: 09/18/06

DWG NO: 802978W171



Aerial Photograph  
March 2002  
Source: USGS



Bossier City USARC



SITE

I:\PROJECTS-BST\0888602978\_enviro\BRAC\_data\802978W172\_LA007-FIG 15-2002\_AERIAL\_BOSSIER CITY\_LA.dwg 9/18/2006 10:04:09 AM CST

SOURCE:  
U.S.G.S.

NOT TO SCALE

FIGURE 15  
2002 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

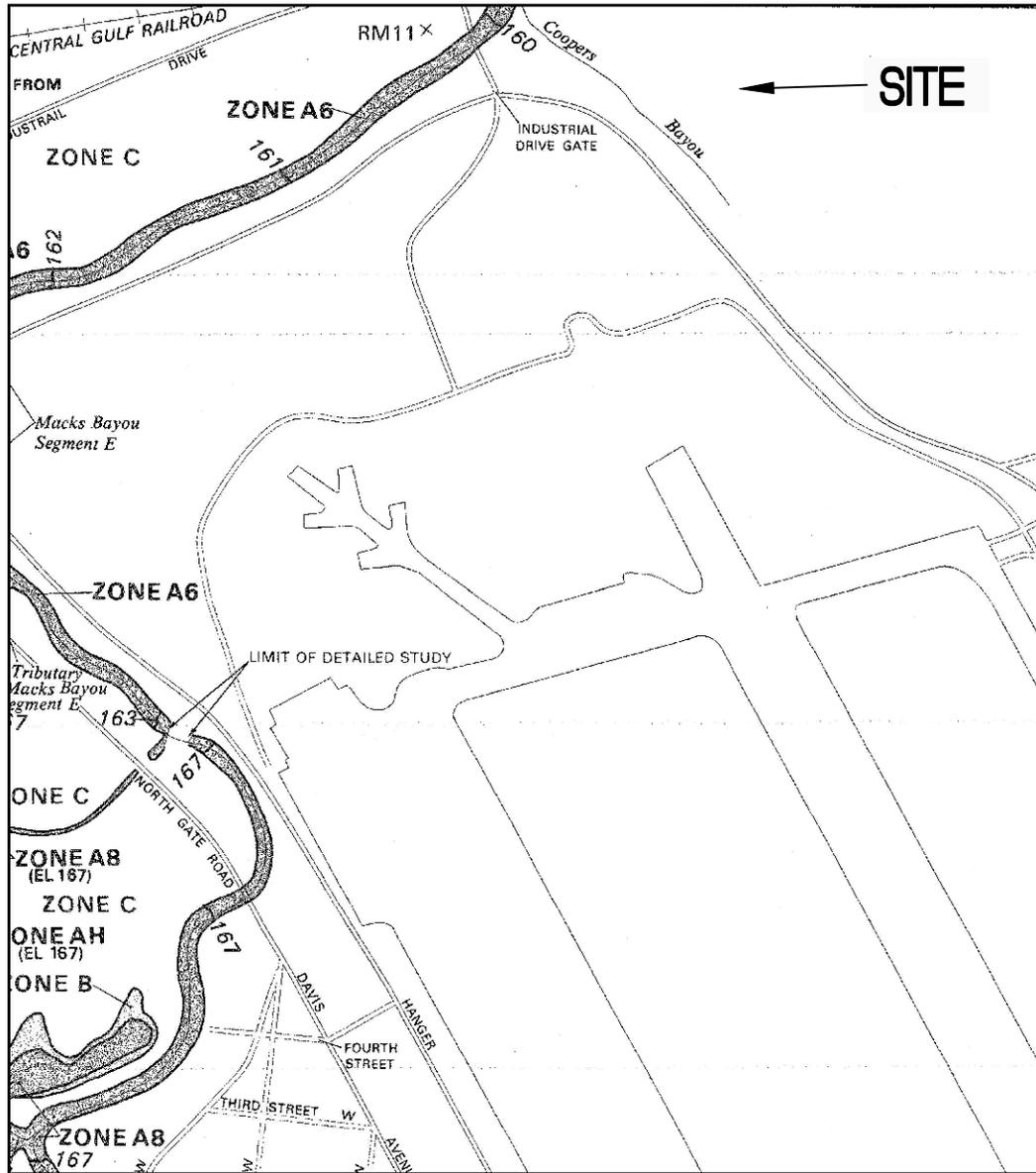
REQUESTED BY: GEISSINGER

DRAWN BY: WOOSLEY

DWG DATE: 09/18/06

DWG NO: 802978W172





← SITE



APPROXIMATE SCALE  
1000 0 1000 FEET



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

CITY OF  
**BOSSIER CITY,**  
**LOUISIANA**  
BOSSIER PARISH

PANEL 20 OF 30

COMMUNITY-PANEL NUMBER  
220033 0020 C

EFFECTIVE DATE:  
APRIL 4, 1983



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

SOURCE:  
FEDERAL EMERGENCY MANAGEMENT AGENCY  
(APRIL 4, 1983)

FIGURE 16  
FEMA FLOOD PLAIN MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
BOSSIER CITY USAR CENTER  
BOSSIER CITY, LOUISIANA

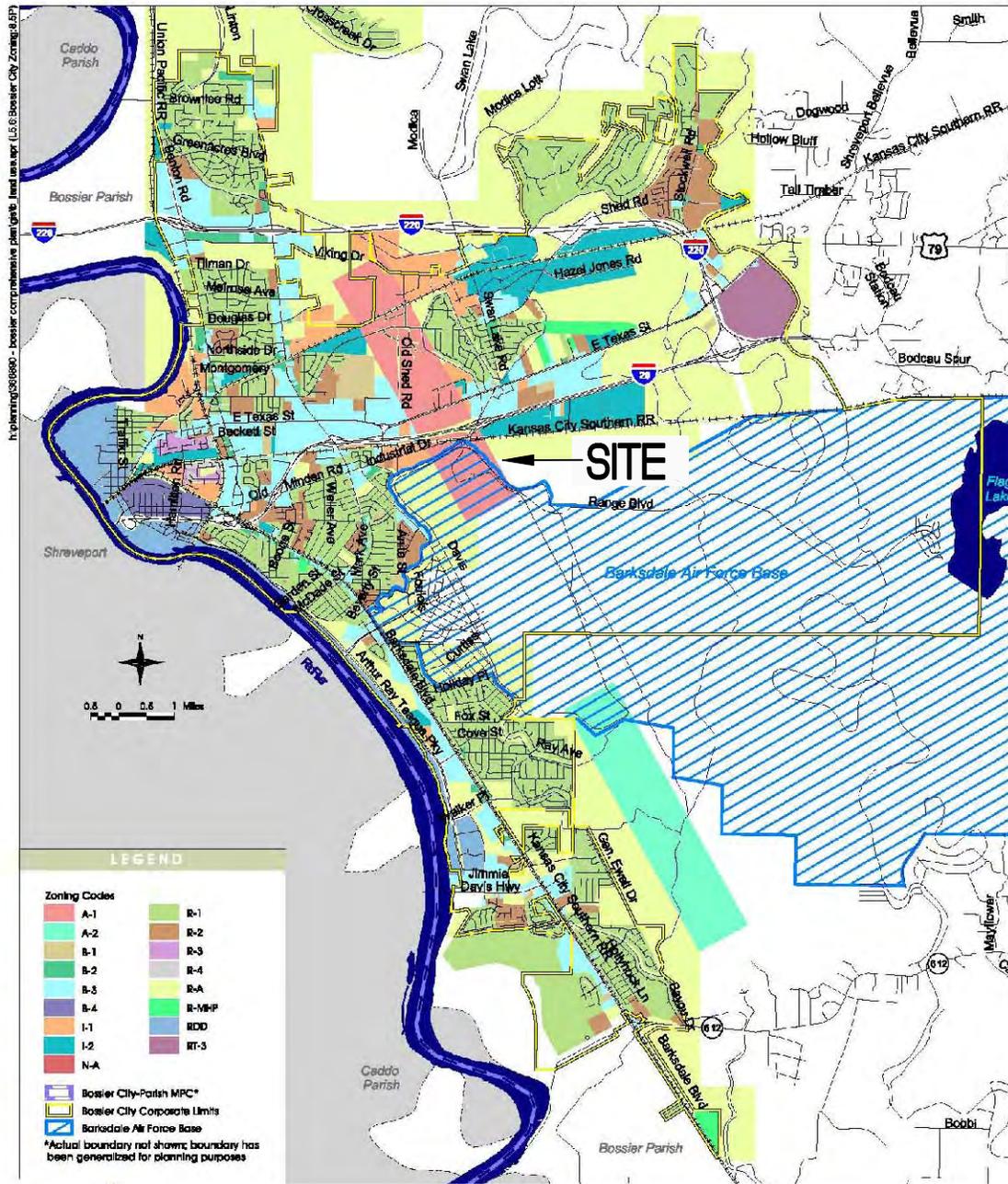
REQUESTED BY: GEISSINGER

DRAWN BY: WOOSLEY

DWG DATE: 09/18/06

DWG NO: 802978W173





**FIGURE 17**  
**BOSSIER CITY ZONING MAP**  
**ENVIRONMENTAL CONDITION OF PROPERTY**  
**BOSSIER CITY USAR CENTER**  
**BOSSIER CITY, LOUISIANA**

REQUESTED BY:	GEISSINGER
DRAWN BY:	WOOSLEY
DWG DATE:	09/18/06
DWG NO:	802978W174



TERRAINE  
**ENSAFE**  
 B(a) joint venture

SOURCE:  
 WILBUR SMITH ASSOCIATES

Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana

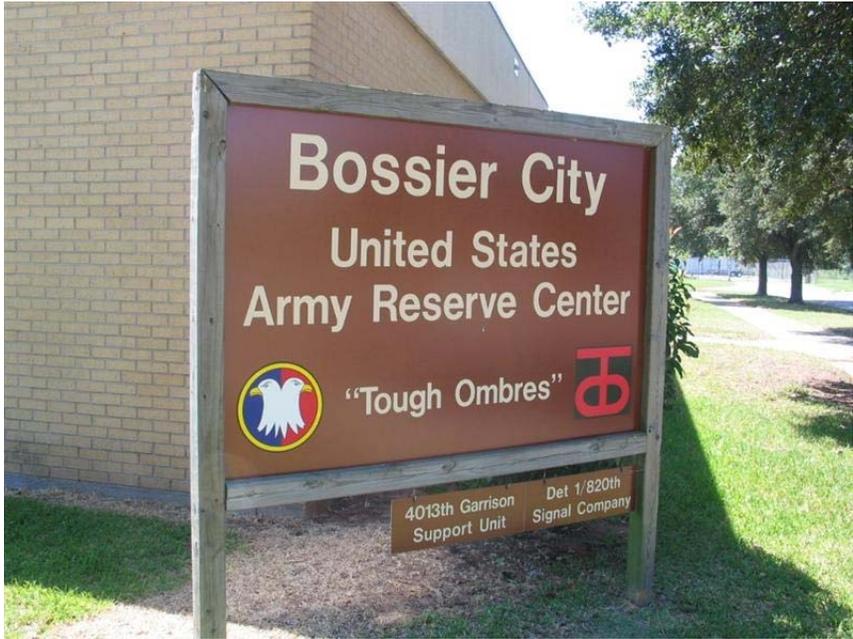


Photo 1: Looking south towards the USAR Center sign from the northwest corner of the Training Building.



Photo 2: Looking southwest toward the north side of the Training Building.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 3:** Looking northwest toward the Training Building.



**Photo 4:** Close-up of wash pad on the east side of the Training Building. A floor drain on the pad is connected to the sanitary sewer via a grease trap.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 5:** Looking north along the west wall of the OMS. The Training building is visible in the background and the MEP area is to the left.



**Photo 6:** Looking northeast toward the offices at the southern end of the OMS. Note the air conditioning unit in the window.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 7:** Looking north toward a HVAC unit on the west side of the Training Building.



**Photo 8:** Looking east across the POV parking lot. The Training Building is visible in the background.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 9:** Looking north toward the POV parking lot. Power poles in background denote Miller Road.



**Photo 10:** Looking northwest toward the southwest corner of the MEP area. Shipping containers in the parking area are used for storage and the tree-line to the left denotes the east bank of Cooper Bayou.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 11:** Looking south from the southwest corner of the MEP area. Cooper Bayou is to the right and a concrete storm water ditch is in the foreground.



**Photo 12:** Looking west at the vehicle wash rack. The center of the washing pad has a slotted floor drain that is connected to an OWS. The OWS (not shown in this view) is on the east side of the wash rack. Shipping containers and the MEP area are visible in the background. Also, the tree-line denotes the bank of Cooper Bayou.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 13:** Close-up of the OWS that serves the vehicle wash rack.



**Photo 14:** Close-up of former wash pad that is no longer in use. According to USAR personnel, the pad appears to be the remnant of a previously removed grease rack.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 15:** Looking southeast at a flammable materials storage locker, located at the southeast end of the MEP area.



**Photo 16:** Looking south at the gated storage area on the southeast side of the MEP area.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 17:** Looking southwest along the southern end of the MEP area showing a row of shipping containers.



**Photo 18:** Looking northeast at shipping containers located on the south side of the MEP area. Empty, unused drums are visible next to the shipping containers.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 19:** Looking southeast from the west side of the POV parking lot, toward a miscellaneous portable building.



**Photo 20:** Looking northeast from near the southeast side of the MEP area. A recreational shelter is visible in the background and the OMS and vehicle wash rack can be seen to left. The tree-line in the background denotes Miller Road.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 21:** Looking west toward a pad-mounted transformer on the west side of the Training Building. The POV parking lot is in the background.



**Photo 22:** Looking east toward the dumpster storage area. Solid waste is collected by BFI, Inc.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 23:** View of the interior of the assembly hall in the Training Building.



**Photo 24:** Interior view of the kitchen inside the Training Building.

Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana



**Photo 25:** View of scullery adjacent to the kitchen of the Training Building. Note cleaning compounds on the shelf to the left and a floor drain in front of the sink.



**Photo 26:** A janitor's closet inside the Training Building stores cleaning compounds on a metal shelf.

Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana



**Photo 27:** Interior of the mechanical room of the Training Building. The 1997 asbestos survey of the Site did not identify ACM in pipe insulation within this room.

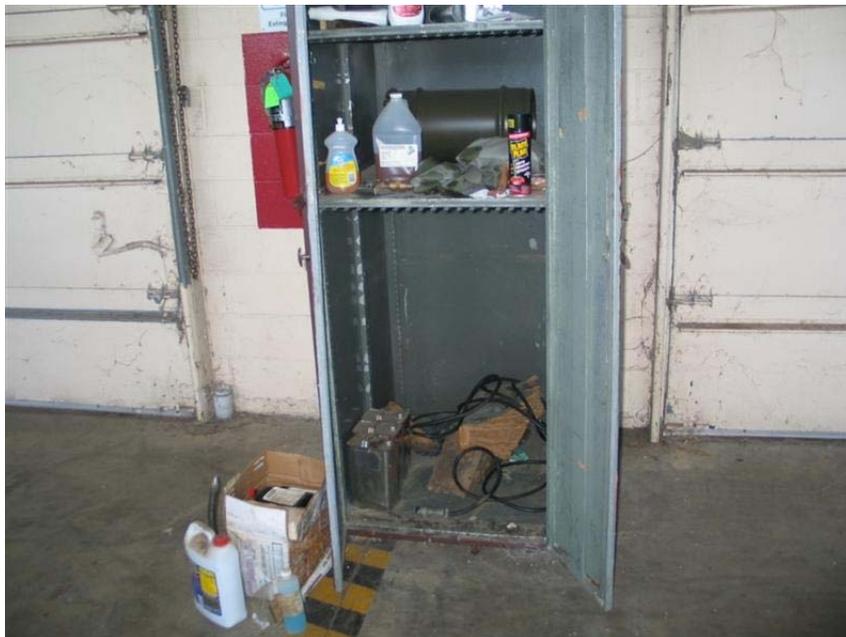


**Photo 28:** Another view of equipment in the mechanical room in the Training Building. A floor drain is visible in the left front and there were other floor drains in this room too.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 29:** Interior view of the OMS, looking southeast toward the east wall. This view shows various equipment storage cages and gas heaters hanging from the ceiling.



**Photo 30:** Equipment and materials are stored in a storage locker along the west wall of the OMS.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 31:** Looking to the west, a bridge in the background crosses Cooper Bayou and leads to an entrance at Barksdale Air Force Base. The USACE Ft. Worth District-Eastern Area Office is on the left.



**Photo 32:** Looking from the northwest corner of the Site, the USACE Ft. Worth District-Eastern Area Office is visible to the left with a parking lot in the right foreground.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 33:** Looking east along Miller Road, the USAR Center is on the right.



**Photo 34:** Looking east toward the east end of Miller Road, a grain elevator is visible in the background. The power pole in the foreground has a pole-mounted transformer.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 35:** Looking to the northwest from the northwest corner of the USAR Center, several power poles with pole-mounted transformers are visible.



**Photo 36:** Looking east across agricultural fields that are east of the Site.

**Bossier City USAR Center  
300 Miller Road  
Bossier City, Louisiana**



**Photo 37:** View of one of the service stations in the Industrial Drive area northwest of the USAR Center.



**Photo 38:** View of another service station in the Industrial Drive area northwest of the USAR Center.

**Appendix C**  
**Chain-of-Title Report**



2055 East Rio Salado Parkway, Suite 201  
Tempe, Arizona 85281  
Phone: (480) 967-6752  
Fax Number: (480) 966-9422  
Web Site: [www.netronline.com](http://www.netronline.com)

## **HISTORICAL CHAIN OF TITLE REPORT**

**BOSSIER CITY USARC  
300 MILLER ROAD  
BOSSIER CITY, LOUISIANA**

**Submitted to:**

**TERRAINE, INC.**  
4002 Sutherland Ave  
Knoxville, Tennessee 37919  
(800) 531-1242

**Attention: James Young**

**Project No. N06-4945**

**Saturday, August 05, 2006**

**NETR- Real Estate Research & Information** hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

Being that parcel or tract of land, containing 10.367 acres of land, more or less, situated and lying in the Northeast ¼ of Section 26, Township 18 North, Range 13 West in Bossier City, Parish of Bossier, State of Louisiana.

## **1. HISTORICAL CHAIN OF TITLE**

1. WARRANTY DEED:

RECORDED: 12-13-1919  
GRANTOR: J. H. Modawell  
GRANTEE: E. Kenneth Nelson  
INSTRUMENT: Bk 52, Pg 87

2. WARRANTY DEED:

RECORDED: 02-05-1952  
GRANTOR: E. Kenneth Nelson  
GRANTEE: John N. Birdwell  
INSTRUMENT: Bk 229, Pg 481

3. WARRANTY DEED:

RECORDED: 12-14-1955  
GRANTOR: John N. Birdwell  
GRANTEE: Charles Maggio  
INSTRUMENT: Bk 262, Pg 389

4. WARRANTY DEED:

RECORDED: 05-30-1972  
GRANTOR: Santa Maria Corporation (owned by Maggio)  
GRANTEE: United States of America  
INSTRUMENT: Bk 486, Pg 156

## **2. LEASES AND MISCELLANEOUS**

1. No environmental liens, institutional controls or engineering controls were found of record.

### **3. LIMITATION**

This report was prepared for the use of Terraine, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

**APPENDIX E**  
**REGULATORY DATABASE SEARCH RESULTS**



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Bossier City USARC  
300 Miller Road  
Bossier City, LA 71112**

**Inquiry Number: 1716236.2s**

**July 17, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

#### Disclaimer - Copyright and Trademark Notice

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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

300 MILLER ROAD  
BOSSIER CITY, LA 71112

#### COORDINATES

Latitude (North): 32.525700 - 32° 31' 32.5"  
Longitude (West): 93.673600 - 93° 40' 25.0"  
Universal Transverse Mercator: Zone 15  
UTM X (Meters): 436738.6  
UTM Y (Meters): 3598718.5  
Elevation: 164 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 32093-E6 BOSSIER CITY, LA  
Most Recent Revision: 1998

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
USARC BOSSIER CITY 300 MILLER RD BOSSIER CITY, LA 71112	RCRA-SQG FINDS	LA8210499945

### 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

## EXECUTIVE SUMMARY

<b>NPL RECOVERY</b>	Federal Superfund Liens
<b>CERCLIS</b>	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b>	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b>	Corrective Action Report
<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>FUDS</b>	Formerly Used Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SHWS</b>	Potential and Confirmed Sites List
<b>SWF/LF</b>	Landfill List
<b>DEBRIS</b>	LDEQ Approved Debris Sites
<b>SWRCY</b>	Recycling Directory
<b>LIENS</b>	Environmental Liens
<b>SPILLS</b>	Emergency Response Section Incidents
<b>AUL</b>	Listing of Institutional Controls
<b>VCP</b>	Voluntary Remediation Program Sites
<b>DRYCLEANERS</b>	Drycleaner Facility Listing

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN UST</b>	USTs on Indian Land

### EDR PROPRIETARY RECORDS

<b>Manufactured Gas Plants</b>	EDR Proprietary Manufactured Gas Plants
<b>EDR Historical Auto Stations</b>	EDR Proprietary Historic Gas Stations
<b>EDR Historical Cleaners</b>	EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

## 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

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>STAR ENTER</i></b>	<b><i>3820 INDUSTRIAL</i></b>	<b><i>0 - 1/8 N</i></b>	<b><i>2</i></b>	<b><i>6</i></b>
<b><i>EXXON CO USA 53991</i></b>	<b><i>3818 INDUSTRIAL DR</i></b>	<b><i>1/8 - 1/4 W</i></b>	<b><i>A5</i></b>	<b><i>17</i></b>

**DOD:** 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BARKSDALE AIR FORCE BASE		1/8 - 1/4 S	0	6

### STATE AND LOCAL RECORDS

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's list: LDEQ's Leaking UST Database.

A review of the LUST list, as provided by EDR, and dated 02/14/2006 has revealed that there are 3

## EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CIRCLE K #8189</b>	<b>4629 E TEXAS ST</b>	<b>1/4 - 1/2N</b>	<b>9</b>	<b>27</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DAY &amp; NIGHT #34</b>	<b>3820 INDUSTRIAL I-20</b>	<b>1/8 - 1/4N</b>	<b>3</b>	<b>7</b>
<b>GAINESWAY</b>	<b>3811 INDUSTRIAL BLVD</b>	<b>1/8 - 1/4N</b>	<b>4</b>	<b>11</b>

**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 4 HIST LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DAY &amp; NIGHT #34</b>	<b>3820 INDUSTRIAL I-20</b>	<b>1/8 - 1/4N</b>	<b>3</b>	<b>7</b>
<b>GAINESWAY</b>	<b>3811 INDUSTRIAL BLVD</b>	<b>1/8 - 1/4N</b>	<b>4</b>	<b>11</b>
<b>INDUSTRIAL DRIVE EXXON</b>	<b>3818 INDUSTRIAL DR</b>	<b>1/8 - 1/4N</b>	<b>7</b>	<b>24</b>
<b>SOUTHERN MAID DONUTS</b>	<b>4701 E TEXAS</b>	<b>1/4 - 1/2N</b>	<b>10</b>	<b>29</b>

**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 04/04/2006 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DELTA MINI MART #19</b>	<b>3818 INDUSTRIAL DR</b>	<b>1/8 - 1/4W</b>	<b>A6</b>	<b>18</b>
<b>SUNDOWNER C STORE</b>	<b>3790 INDUSTRIAL DR</b>	<b>1/8 - 1/4W</b>	<b>A8</b>	<b>25</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DAY &amp; NIGHT #34</b>	<b>3820 INDUSTRIAL I-20</b>	<b>1/8 - 1/4N</b>	<b>3</b>	<b>7</b>
<b>GAINESWAY</b>	<b>3811 INDUSTRIAL BLVD</b>	<b>1/8 - 1/4N</b>	<b>4</b>	<b>11</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
OLD CITGO REFINERY	SHWS
LINCOLN CREOSOTING	SHWS
PAUL SPEARS DUMP	SHWS
PHILLIPS PETROLEUM CO BOSSIER CITY	SHWS
H&W WRECKING CO LANDFILL	SHWS
DOWELL SCHLUMBERGER INC BOSSIER CITY	SPILLS
BOSSIER PARISH	SPILLS
KANSAS CITY SOUTHERN RAILWAY CO	SPILLS
H & W WRECKING COMPANY LANDFILL	CERC-NFRAP
HELENA CHEMICAL COMPANY - BOSSIER CITY	CERC-NFRAP
DIAMOND SHAMROCK TOTAL #4198	HIST LUST
HILLCREST CEMETERY	UST
BOSSIER AMOCO SERVICE CENTER	UST
BOSSIER CITY OF - LANDFILL	UST
DISCOUNT AUTO PARTS 753	UST
AERO FARM SERVICE	UST
PAR MINERALS	UST
PROFESSIONAL AUTO	RCRA-SQG, FINDS
HWY 2 OUTSIDE OF THE CITY LIMITS EAST OF PLAIN DEALING	ERNS
RED RIVER KANSAS CITY RR BRIDGE	ERNS
BOSSIER CITY SANITARY LANDFILL	ODI
CITY PEST CONTROL	ICIS

# OVERVIEW MAP - 1716236.2s



-  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
-  Landfill Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone

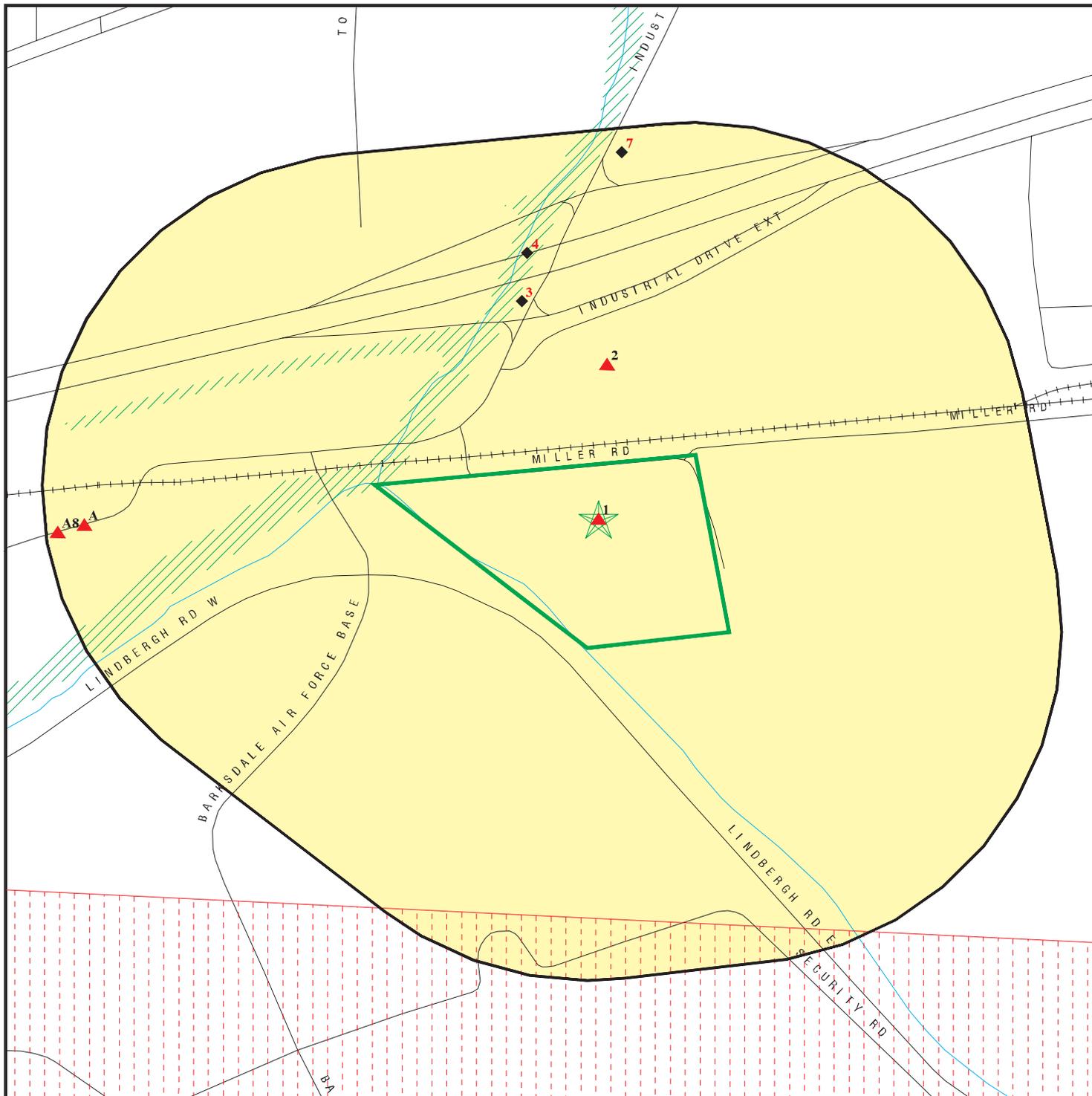


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bossier City USARC  
 ADDRESS: 300 Miller Road  
 Bossier City LA 71112  
 LAT/LONG: 32.5257 / 93.6736

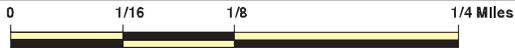
CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1716236.2s  
 DATE: July 17, 2006

# DETAIL MAP - 1716236.2s



-  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
-  Landfill Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone



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: Bossier City USARC  
 ADDRESS: 300 Miller Road  
 Bossier City LA 71112  
 LAT/LONG: 32.5257 / 93.6736

CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1716236.2s  
 DATE: July 17, 2006

## 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
<b><u>FEDERAL RECORDS</u></b>								
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 RECOVERY		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
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	1	1	NR	NR	NR	2
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	1	0	0	NR	1
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		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
ODI		0.500	0	0	0	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
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
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
DEBRIS		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	2	1	NR	NR	3
HIST LUST		0.500	0	3	1	NR	NR	4
UST		0.250	0	4	NR	NR	NR	4
LIENS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations	TP		NR	NR	NR	NR	NR	0
EDR Historical Cleaners	TP		NR	NR	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**  
**Target**  
**Property**  
**USARC BOSSIER CITY**  
**300 MILLER RD**  
**BOSSIER CITY, LA 71112**

**RCRA-SQG** **1004707699**  
**FINDS** **LA8210499945**

**Actual:**  
**164 ft.**

RCRAInfo:  
 Owner: 90TH RSC ARMY RESERVE  
 (501) 771-7882  
 EPA ID: LA8210499945  
 Contact: JAMES WHEELER  
 (501) 771-7992  
 Classification: Conditionally Exempt Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**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.

**DOD**  
**Region**  
**South**  
**1/8-1/4**  
**1071 ft.**  
**BARKSDALE AIR FORCE BASE**  
**BARKSDALE AIR FORCE BASE (County), LA**

**DOD** **CUSA045943**  
**N/A**

FEDERAL LANDS:  
 Feature 1: Air Force DOD  
 Feature 2: Not reported  
 Feature 3: Not reported  
 Agency: DOD  
 URL: Not reported  
 Name 1: Barksdale Air Force Base  
 Name 2: Not reported  
 Name 3: Not reported  
 State: LA

**2**  
**North**  
**< 1/8**  
**392 ft.**  
**STAR ENTER**  
**3820 INDUSTRIAL**  
**BOSSIER CITY, LA 71111**

**RCRA-SQG** **1000454083**  
**FINDS** **LAD985172436**

**Relative:**  
**Higher**

RCRAInfo:  
 Owner: MOTIVA ENTERPRISES LLC  
 000-0000  
 EPA ID: LAD985172436  
 Contact: DAVID GUMBLEY  
 (214) 650-0200

**Actual:**  
**164 ft.**

Classification: Small Quantity Generator  
 TSDF Activities: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**STAR ENTER (Continued)**

EDR ID Number  
 EPA ID Number

**1000454083**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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.

**3**  
**North**  
**1/8-1/4**  
**673 ft.**

**DAY & NIGHT #34**  
**3820 INDUSTRIAL I-20**  
**SHREVEPORT, LA 71111**

**LUST** **U001897196**  
**UST** **N/A**  
**HIST LUST**

**Relative:**  
**Lower**

LUST:  
 Facility ID: 69840

**Actual:**  
**157 ft.**

LUST HIST:  
 Facility ID: 08-011779 Incident Number: 93-7-0053  
 Quantity: UNKNOWN Release Date: 03/03/1993  
 Facility Parish: BOSSIER Owner ID: 00391200  
 Date Confirmed: 06/08/1992

Substance Name: GASOLINE  
 Reported By: JACK ENSMINGER  
 Owner Name: STAR ENTERPRISE  
 Owner Address: P. O. BOX 152045  
 IRVING, TX 75015

Type of Incident: UNKNOWN  
 Incident Contactor: Not reported  
 Assessment Pending Info: No  
 Assessment Request Date: 07/01/1992  
 Assessment Plan Due Date: 09/19/1992  
 Assessment Plan Received Date: 08/12/1992  
 Assessment Approved Date: 09/15/1992  
 Assessment Contractor: Not reported  
 Corrective Plan Due Date: 04/30/1992  
 Corrective Plan Received Date: Not reported  
 Corrective Plan Approved Date: 04/30/1993  
 Remediation Method: Not reported  
 Remediation Date: Not reported

Incident Comments:  
 DEQ REQUEST TO CONTINUE MONITORING PROGRAM 2-1-95. ADDITIONAL ASSESSMENT PLAN DATED 2-13-95 TO INSTALL 1 SOIL BORING EST COST OF \$5900 APPROVED ON 4-6-95. DEQ LETTER 5/21/99 APPROVED REMEDIATION MODIFICATION.

Corrective Action Comments:  
 DEQ LETTER 1-19-94 REQUEST PERMANENT MONITORING POINT DOWN GRADIENT OF LDEQ LETTER DATED 30-APR-93 REQUESTS CAP. QUARTERLY REPORTS SUBMITTED. DEQ LETTER 11/1/94 CONTINUE QUARTERLY MONITORING. MW-2 AND MW-3 AND TO INSTALL A PERMANENT MONITORING WELL IN THE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

DAY & NIGHT #34 (Continued)

U001897196

DIRECTION OF GW MOVEMENT. REC'D QTLY REPORT 4-12-94 ADDRESSING DEQ'S REQUEST FOR ADD. PERMANENT MW(S). DEQ LETTER 1-20-95 RESULTS DEMONSTRATE THE NEED TO CONTINUE CORRECTIVE ACTION. REC'D CORRECTIVE ACTION ALTERNATIVES ON 1/30/95.

Assessment Comments:

CITY OFFICIALS REPORTED GASOLINE VAPORS IN SANITARY SEWER SYSTEM. DEQ EMERGENCY RESPONSE INSPECTED FACILITY. STATION MANAGER INFORMED DEQ THAT THERE WAS NO INVENTORY LOSS, AND USTS PAST TIGHTNESS TEST THE WEEK BEFORE. PROBLEM WAS IN O-RINGS IN SUBMERSIBLE PLUS PUMP. HAND AUGER BORINGS INSTALLED.

Facility ID:	08-011779	Incident Number:	93-7-0053
Quantity:	Not reported	Release Date:	03/03/1993
Facility Parish:	BOSSIER	Owner ID:	00391200
Date Confirmed:	Not reported		
Substance Name:	Not reported		
Reported By:	Not reported		
Owner Name:	STAR ENTERPRISE		
Owner Address:	P. O. BOX 152045 IRVING, TX 75015		
Type of Incident:	Not reported		
Incident Contactor:	ATC GROUP SERVICES		
Assessment Pending Info:	No		
Assessment Request Date:	03/04/1993		
Assessment Plan Due Date:	05/25/1993		
Assessment Plan Received Date:	12/09/1993		
Assessment Approved Date:	Not reported		
Assessment Contractor:	ATC GROUP SERVICES		
Corrective Plan Due Date:	04/30/1992		
Corrective Plan Received Date:	Not reported		
Corrective Plan Approved Date:	04/30/1993		
Remediation Method:	Not reported		
Remediation Date:	Not reported		

Incident Comments:

DEQ REQUEST TO CONTINUE MONITORING PROGRAM 2-1-95. ADDITIONAL ASSESSMENT PLAN DATED 2-13-95 TO INSTALL 1 SOIL BORING EST COST OF \$5900 APPROVED ON 4-6-95. DEQ LETTER 5/21/99 APPROVED REMEDIATION MODIFICATION.

Corrective Action Comments:

DEQ LETTER 1-19-94 REQUEST PERMANENT MONITORING POINT DOWN GRADIENT OF LDEQ LETTER DATED 30-APR-93 REQUESTS CAP. QUARTERLY REPORTS SUBMITTED. DEQ LETTER 11/1/94 CONTINUE QUARTERLY MONITORING. MW-2 AND MW-3 AND TO INSTALL A PERMANENT MONITORING WELL IN THE DIRECTION OF GW MOVEMENT. REC'D QTLY REPORT 4-12-94 ADDRESSING DEQ'S REQUEST FOR ADD. PERMANENT MW(S). DEQ LETTER 1-20-95 RESULTS DEMONSTRATE THE NEED TO CONTINUE CORRECTIVE ACTION. REC'D CORRECTIVE ACTION ALTERNATIVES ON 1/30/95.

Assessment Comments:

CITY OFFICIALS REPORTED GASOLINE VAPORS IN SANITARY SEWER SYSTEM. DEQ EMERGENCY RESPONSE INSPECTED FACILITY. STATION MANAGER INFORMED DEQ THAT THERE WAS NO INVENTORY LOSS, AND USTS PAST TIGHTNESS TEST THE WEEK BEFORE. PROBLEM WAS IN O-RINGS IN SUBMERSIBLE PLUS PUMP. HAND AUGER BORINGS INSTALLED.

UST:

Master Agency Id :	69840
Subject Category Code :	EQT
Subject ID :	1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DAY & NIGHT #34 (Continued)

U001897196

Subject Item ID : 1  
Install Date : 08/01/84  
Pipe Method Desc : Pressure  
Last Status : 3260  
Status Date : 06/01/94  
Total Capacity : 12000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Active  
Other Material : Not reported  
UST Tank Num : 31359

Master Agency Id : 69840  
Subject Category Code : EQT  
Subject ID : 2  
Subject Item ID : 2  
Install Date : 08/01/84  
Pipe Method Desc : Pressure  
Last Status : 3260  
Status Date : 06/01/94  
Total Capacity : 10000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
Interior Line With Some Material : Not reported  
Dble Wall As Opposed To Single Wall : Not reported  
Outside Lined w/ Polyethylen Jacket : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DAY & NIGHT #34 (Continued)

U001897196

Made Of Concrete : Not reported  
Liner Covering Excavation Hole : Not reported  
Unknown : Not reported  
Other Description : Not reported  
Facility Status : Active  
Other Material : Not reported  
UST Tank Num : 31360

Master Agency Id : 69840  
Subject Category Code : EQT  
Subject ID : 3  
Subject Item ID : 3  
Install Date : 08/01/84  
Pipe Method Desc : Pressure  
Last Status : 3260  
Status Date : 06/01/94  
Total Capacity : 10000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Active  
Other Material : Not reported  
UST Tank Num : 31361

Master Agency Id : 69840  
Subject Category Code : EQT  
Subject ID : 4  
Subject Item ID : 4  
Install Date : 08/01/84  
Pipe Method Desc : Pressure  
Last Status : 3260  
Status Date : 06/01/94  
Total Capacity : 10000  
Number Of Compartments : 1  
Gasoline Flag : Not reported  
Diesal Flag : Yes  
Gashol Flag : Not reported  
Kerosen Flag : Not reported  
Heating Oil Flag : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**DAY & NIGHT #34 (Continued)**

**U001897196**

New Used Oil Flag : Not reported  
 Other Sub : Not reported  
 Other Description : Not reported  
 Steel Tank Covered With Asphalt : Not reported  
 Cathodically Protected : Not reported  
 Epoxy Coated Tank : Not reported  
 A Composite Of Different Materials : Not reported  
 Fiberglass Or Plastic : Y  
 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 Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 31362

**4**  
**North**  
**1/8-1/4**  
**861 ft.**

**GAINESWAY**  
**3811 INDUSTRIAL BLVD**  
**BOSSIER CITY, LA 71111**

**LUST** **U000876347**  
**UST** **N/A**  
**HIST LUST**

**Relative:**  
**Lower**

LUST:  
 Facility ID: 73786

**Actual:**  
**155 ft.**

LUST HIST:  
 Facility ID: 08-004281 Incident Number: 92-7-0182  
 Quantity: UNKNOWN Release Date: 08/26/1992  
 Facility Parish: BOSSIER Owner ID: 00111800  
 Date Confirmed: 08/27/1992

Substance Name: GASOLINE  
 Reported By: JOHNNY MITCHELL/B&J EQUIPMENT  
 Owner Name: GAINES PETROLEUM COMPANY, INC  
 Owner Address: 1600 N MARKETST, P.O.BOX 7069  
 SHREVEPORT, LA 71137  
 Type of Incident: PIPING LEAK  
 Incident Contactor: JONES BROTHERS/JONES ENVIRONMENTAL  
 Assessment Pending Info: Yes  
 Assessment Request Date: 11/06/1992  
 Assessment Plan Due Date: 02/26/1993  
 Assessment Plan Received Date: 11/17/1992  
 Assessment Approved Date: 08/08/1994  
 Assessment Contractor: JONES BROTHERS/JONES ENVIRONMENTAL  
 Corrective Plan Due Date: Not reported  
 Corrective Plan Received Date: Not reported  
 Corrective Plan Approved Date: Not reported  
 Remediation Method: Not reported  
 Remediation Date: Not reported

Incident Comments:  
 Not reported

Corrective Action Comments:  
 DEQ ATTORNEY LETTER TO MR. ROBERT LOWERY (PROPERTY OWNER) DATED  
 3/15/95. REC'D REPLY LETTER FROM MR. LOWERY ON 3/30/95..

Assessment Comments:  
 PSH ENCOUNTERED WHILE INSTALLING RDD'S IN TANK BED. INVESTIGATION  
 REVEALED HOLE IN PIPING. PIPING LINE WAS TAKEN OUT AND SERVICED AND  
 PSH RECOVERY BEGAN BY HAND PUMP. ADDITIONAL SITE ASSESSMENT DUE BY

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

9/7/94. DEQ MEMO 11/23/94: INCIDENT HISTORY OF SITE. DEQ LETTER  
12/19/94 TO MR. LOWERY CONCERNING TRUST FUND ELIGIBILITY.

Facility ID: 08-004281 Incident Number: 92-7-0182  
Quantity: Not reported Release Date: 08/26/1992  
Facility Parish: BOSSIER Owner ID: 00111800  
Date Confirmed: Not reported  
Substance Name: Not reported  
Reported By: Not reported  
Owner Name: GAINES PETROLEUM COMPANY, INC  
Owner Address: 1600 N MARKETST, P.O.BOX 7069  
SHREVEPORT, LA 71137  
Type of Incident: Not reported  
Incident Contactor: JONES BROTHERS/JONES ENVIRONMENTAL  
Assessment Pending Info: Yes  
Assessment Request Date: 11/06/1992  
Assessment Plan Due Date: 02/26/1993  
Assessment Plan Received Date: 11/17/1992  
Assessment Approved Date: 08/08/1994  
Assessment Contractor: JONES BROTHERS/JONES ENVIRONMENTAL  
Corrective Plan Due Date: Not reported  
Corrective Plan Received Date: Not reported  
Corrective Plan Approved Date: Not reported  
Remediation Method: Not reported  
Remediation Date: Not reported

Incident Comments:  
Not reported

Corrective Action Comments:  
DEQ ATTORNEY LETTER TO MR. ROBERT LOWERY (PROPERTY OWNER) DATED  
3/15/95. REC'D REPLY LETTER FROM MR. LOWERY ON 3/30/95..

Assessment Comments:  
PSH ENCOUNTERED WHILE INSTALLING RDD'S IN TANK BED. INVESTIGATION  
REVEALED HOLE IN PIPING. PIPING LINE WAS TAKEN OUT AND SERVICED AND  
PSH RECOVERY BEGAN BY HAND PUMP. ADDITIONAL SITE ASSESSMENT DUE BY  
9/7/94. DEQ MEMO 11/23/94: INCIDENT HISTORY OF SITE. DEQ LETTER  
12/19/94 TO MR. LOWERY CONCERNING TRUST FUND ELIGIBILITY.

**UST:**

Master Agency Id : 73786  
Subject Category Code : EQT  
Subject ID : 1  
Subject Item ID : 1  
Install Date : 05/01/75  
Pipe Method Desc : Pressure  
Last Status : 334  
Status Date : 01/04/05  
Total Capacity : 6000  
Number Of Compartments : 1  
Gasoline Flag : Yes  
Diesel 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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

Epoxy Coated Tank :	Not reported
A Composite Of Different Materials :	Not reported
Fiberglass Or Plastic :	Not reported
Interior Line With Some Material :	Yes
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 Description :	Not reported
Facility Status :	Removed
Other Material :	Not reported
UST Tank Num :	12199
Master Agency Id :	73786
Subject Category Code :	EQT
Subject ID :	1
Subject Item ID :	1
Install Date :	05/01/75
Pipe Method Desc :	Pressure
Last Status :	1755
Status Date :	05/01/86
Total Capacity :	6000
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 :	Yes
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 Description :	Not reported
Facility Status :	Temp Out of Service
Other Material :	Not reported
UST Tank Num :	12199
Master Agency Id :	73786
Subject Category Code :	EQT
Subject ID :	2
Subject Item ID :	2
Install Date :	05/01/75
Pipe Method Desc :	Pressure
Last Status :	334
Status Date :	01/04/05
Total Capacity :	6000

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

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 :	Yes
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 Description :	Not reported
Facility Status :	Removed
Other Material :	Not reported
UST Tank Num :	12200
Master Agency Id :	73786
Subject Category Code :	EQT
Subject ID :	2
Subject Item ID :	2
Install Date :	05/01/75
Pipe Method Desc :	Pressure
Last Status :	1755
Status Date :	05/01/86
Total Capacity :	6000
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 :	Yes
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 Description :	Not reported
Facility Status :	Temp Out of Service
Other Material :	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

UST Tank Num :	12200
Master Agency Id :	73786
Subject Category Code :	EQT
Subject ID :	3
Subject Item ID :	3
Install Date :	05/01/75
Pipe Method Desc :	Pressure
Last Status :	334
Status Date :	01/04/05
Total Capacity :	6000
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 :	Yes
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 Description :	Not reported
Facility Status :	Removed
Other Material :	Not reported
UST Tank Num :	12201
Master Agency Id :	73786
Subject Category Code :	EQT
Subject ID :	3
Subject Item ID :	3
Install Date :	05/01/75
Pipe Method Desc :	Pressure
Last Status :	1755
Status Date :	05/01/86
Total Capacity :	6000
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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

A Composite Of Different Materials : Not reported  
 Fiberglass Or Plastic : Not reported  
 Interior Line With Some Material : Yes  
 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 Description : Not reported  
 Facility Status : Temp Out of Service  
 Other Material : Not reported  
 UST Tank Num : 12201

Master Agency Id : 73786  
 Subject Category Code : EQT  
 Subject ID : 4  
 Subject Item ID : 4  
 Install Date : 05/01/75  
 Pipe Method Desc : Pressure  
 Last Status : 334  
 Status Date : 01/04/05  
 Total Capacity : 6000  
 Number Of Compartments : 1  
 Gasoline Flag : Yes  
 Diesel 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 : Yes  
 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 Description : Not reported  
 Facility Status : Removed  
 Other Material : Not reported  
 UST Tank Num : 12202

Master Agency Id : 73786  
 Subject Category Code : EQT  
 Subject ID : 4  
 Subject Item ID : 4  
 Install Date : 05/01/75  
 Pipe Method Desc : Pressure  
 Last Status : 1755  
 Status Date : 05/01/86  
 Total Capacity : 6000  
 Number Of Compartments : 1

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GAINESWAY (Continued)**

**U000876347**

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 :	Yes
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 Description :	Not reported
Facility Status :	Temp Out of Service
Other Material :	Not reported
UST Tank Num :	12202

**A5  
 West  
 1/8-1/4  
 1163 ft.**

**EXXON CO USA 53991  
 3818 INDUSTRIAL DR  
 BOSSIER CITY, LA 71111**

**RCRA-SQG 1004710630  
 FINDS LAD985194885**

**Site 1 of 3 in cluster A**

**Relative:  
 Higher**

RCRAInfo:  
 Owner: EXXON CO USA  
 (713) 656-7761  
 EPA ID: LAD985194885  
 Contact: ALDA S POOL  
 (713) 656-7709

**Actual:  
 167 ft.**

Classification: Conditionally Exempt Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**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.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A6**  
**West**  
**1/8-1/4**  
**1163 ft.**

**DELTA MINI MART #19**  
**3818 INDUSTRIAL DR**  
**BOSSIER CITY, LA 71111**

**UST**    **U003073223**  
           **N/A**

**Site 2 of 3 in cluster A**

**Relative:**  
**Higher**

UST:  
 Master Agency Id : 13415  
 Subject Category Code : EQT  
 Subject ID : 1  
 Subject Item ID : 1  
 Install Date : 02/21/84  
 Pipe Method Desc : Not reported  
 Last Status : 6570  
 Status Date : 10/01/98  
 Total Capacity : 10000  
 Number Of Compartments : 1  
 Gasoline Flag : Not reported  
 Diesel Flag : Yes  
 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 : Not reported  
 Cathodically Protected : Not reported  
 Epoxy Coated Tank : Not reported  
 A Composite Of Different Materials : Not reported  
 Fiberglass Or Plastic : Y  
 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 Description : Not reported  
 Facility Status : Removed  
 Other Material : Not reported  
 UST Tank Num : 11274

**Actual:**  
**167 ft.**

Master Agency Id : 13415  
 Subject Category Code : EQT  
 Subject ID : 2  
 Subject Item ID : 2  
 Install Date : 02/21/84  
 Pipe Method Desc : Not reported  
 Last Status : 6570  
 Status Date : 10/01/98  
 Total Capacity : 8000  
 Number Of Compartments : 1  
 Gasoline Flag : Yes  
 Diesel 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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**DELTA MINI MART #19 (Continued)**

**U003073223**

Steel Tank Covered With Asphalt : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 11275

Master Agency Id : 13415  
Subject Category Code : EQT  
Subject ID : 3  
Subject Item ID : 3  
Install Date : 02/21/84  
Pipe Method Desc : Not reported  
Last Status : 6570  
Status Date : 10/01/98  
Total Capacity : 6000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 11276

Master Agency Id : 13415  
Subject Category Code : EQT  
Subject ID : 4  
Subject Item ID : 4  
Install Date : 02/21/84  
Pipe Method Desc : Not reported  
Last Status : 6570

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DELTA MINI MART #19 (Continued)

U003073223

Status Date : 10/01/98  
Total Capacity : 10000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 11277

Master Agency Id : 13415  
Subject Category Code : EQT  
Subject ID : 5  
Subject Item ID : 5  
Install Date : 02/21/84  
Pipe Method Desc : Not reported  
Last Status : 6570  
Status Date : 10/01/98  
Total Capacity : 1000  
Number Of Compartments : 1  
Gasoline Flag : Not reported  
Diesal Flag : Not reported  
Gashol Flag : Not reported  
Kerosen Flag : Not reported  
Heating Oil Flag : Not reported  
New Used Oil Flag : Yes  
Other Sub : Not reported  
Other Description : Not reported  
Steel Tank Covered With Asphalt : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**DELTA MINI MART #19 (Continued)**

**U003073223**

Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 11278

Master Agency Id : 13415  
Subject Category Code : EQT  
Subject ID : 6  
Subject Item ID : 6  
Install Date : 01/01/78  
Pipe Method Desc : Not reported  
Last Status : 5652  
Status Date : 01/01/99  
Total Capacity : 250  
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 : Not reported  
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 : Yes  
Other Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 53043

Master Agency Id : 13415  
Subject Category Code : EQT  
Subject ID : 7  
Subject Item ID : 7  
Install Date : 10/01/98  
Pipe Method Desc : Pressure  
Last Status : 10002  
Status Date : 05/02/86  
Total Capacity : 12000  
Number Of Compartments : 1  
Gasoline Flag : Not reported  
Diesal Flag : Yes  
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 : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**DELTA MINI MART #19 (Continued)**

**U003073223**

Cathodically Protected : Not reported  
 Epoxy Coated Tank : Not reported  
 A Composite Of Different Materials : Yes  
 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 Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 53901

Master Agency Id : 13415  
 Subject Category Code : EQT  
 Subject ID : 8  
 Subject Item ID : 8  
 Install Date : 10/01/98  
 Pipe Method Desc : Pressure  
 Last Status : 10002  
 Status Date : 05/02/86  
 Total Capacity : 20000  
 Number Of Compartments : 1  
 Gasoline Flag : Yes  
 Diesel 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 : Not reported  
 Cathodically Protected : Not reported  
 Epoxy Coated Tank : Not reported  
 A Composite Of Different Materials : Yes  
 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 Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 53902

Master Agency Id : 13415  
 Subject Category Code : EQT  
 Subject ID : 9  
 Subject Item ID : 9  
 Install Date : 10/01/98  
 Pipe Method Desc : Pressure  
 Last Status : 10002  
 Status Date : 05/02/86

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**DELTA MINI MART #19 (Continued)**

**U003073223**

Total Capacity :	10000
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 :	Not reported
Cathodically Protected :	Not reported
Epoxy Coated Tank :	Not reported
A Composite Of Different Materials :	Yes
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 Description :	Not reported
Facility Status :	Active
Other Material :	Not reported
UST Tank Num :	53903
Master Agency Id :	13415
Subject Category Code :	EQT
Subject ID :	10
Subject Item ID :	10
Install Date :	10/01/98
Pipe Method Desc :	Pressure
Last Status :	10002
Status Date :	05/02/86
Total Capacity :	10000
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 :	Not reported
Cathodically Protected :	Not reported
Epoxy Coated Tank :	Not reported
A Composite Of Different Materials :	Yes
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 Description :	Not reported
Facility Status :	Active

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**DELTA MINI MART #19 (Continued)**

**U003073223**

Other Material : Not reported  
 UST Tank Num : 53904

**7**  
**North**  
**1/8-1/4**  
**1225 ft.**

**INDUSTRIAL DRIVE EXXON**  
**3818 INDUSTRIAL DR**  
**BOSSIER CITY, LA 71112**

**HIST LUST S103490002**  
**N/A**

**Relative:**  
**Lower**

**LUST HIST:**

Facility ID: 08-004056 Incident Number: 94-7-0156  
 Quantity: UNKNOWN Release Date: 05/04/1994  
 Facility Parish: BOSSIER Owner ID: 00109200  
 Date Confirmed: 05/27/1994

**Actual:**  
**160 ft.**

Substance Name: GASOLINE  
 Reported By: EXXON  
 Owner Name: EXXON MOBIL COMPANY, U.S.A.  
 Owner Address: P. O. BOX 4386  
 HOUSTON,, TX 77210  
 Type of Incident: UNKNOWN  
 Incident Contactor: Not reported  
 Assessment Pending Info: No  
 Assessment Request Date: 11/22/1994  
 Assessment Plan Due Date: 02/12/1994  
 Assessment Plan Received Date: Not reported  
 Assessment Approved Date: Not reported  
 Assessment Contractor: Not reported  
 Corrective Plan Due Date: Not reported  
 Corrective Plan Received Date: Not reported  
 Corrective Plan Approved Date: 05/05/1995  
 Remediation Method: Not reported  
 Remediation Date: Not reported  
 Incident Comments:  
 Not reported  
 Corrective Action Comments:  
 Not reported  
 Assessment Comments:  
 CONTAMINATION WAS IDENTIFIED DURING PROPERTY DIVESITURE  
 ASSESSMENT WITH A REPORT PROVIDED TO THE UST DIVISION AND  
 RECEIVED IN SHREVEPORT ON 7-2-94. ADDITIONAL INFORMATION  
 IS REQUIRED.

Facility ID: 08-004056 Incident Number: 94-7-0156  
 Quantity: Not reported Release Date: 05/04/1994  
 Facility Parish: BOSSIER Owner ID: 00109200  
 Date Confirmed: Not reported  
 Substance Name: Not reported  
 Reported By: Not reported  
 Owner Name: EXXON MOBIL COMPANY, U.S.A.  
 Owner Address: P. O. BOX 4386  
 HOUSTON,, TX 77210  
 Type of Incident: Not reported  
 Incident Contactor: Not reported  
 Assessment Pending Info: No  
 Assessment Request Date: 11/22/1994  
 Assessment Plan Due Date: 02/12/1994  
 Assessment Plan Received Date: Not reported  
 Assessment Approved Date: Not reported  
 Assessment Contractor: Not reported  
 Corrective Plan Due Date: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**INDUSTRIAL DRIVE EXXON (Continued)**

**S103490002**

Corrective Plan Received Date: Not reported  
 Corrective Plan Approved Date: 05/05/1995  
 Remediation Method: Not reported  
 Remediation Date: Not reported

Incident Comments:  
 Not reported

Corrective Action Comments:  
 Not reported

Assessment Comments:  
 CONTAMINATION WAS IDENTIFIED DURING PROPERTY DIVESTURE  
 ASSESSMENT WITH A REPORT PROVIDED TO THE UST DIVISION AND  
 RECEIVED IN SHREVEPORT ON 7-2-94. ADDITIONAL INFORMATION  
 IS REQUIRED.

**A8**  
**West**  
**1/8-1/4**  
**1271 ft.**

**SUNDOWNER C STORE**  
**3790 INDUSTRIAL DR**  
**BOSSIER CITY, LA 71112**

**UST U000878544**  
**N/A**

**Site 3 of 3 in cluster A**

**Relative:**  
**Higher**

UST:  
 Master Agency Id : 70413  
 Subject Category Code : EQT  
 Subject ID : 1  
 Subject Item ID : 1  
 Install Date : 01/01/80  
 Pipe Method Desc : Pressure  
 Last Status : 7526  
 Status Date : 05/09/86  
 Total Capacity : 10000  
 Number Of Compartments : 1  
 Gasoline Flag : Yes  
 Diesel 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 : Not reported  
 Cathodically Protected : Yes  
 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 Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 3627

**Actual:**  
**166 ft.**

Master Agency Id : 70413  
 Subject Category Code : EQT  
 Subject ID : 2  
 Subject Item ID : 2

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SUNDOWNER C STORE (Continued)**

**U000878544**

Install Date : 01/01/80  
Pipe Method Desc : Pressure  
Last Status : 7526  
Status Date : 05/09/86  
Total Capacity : 8000  
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 : Not reported  
Cathodically Protected : Yes  
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 Description : Not reported  
Facility Status : Active  
Other Material : Not reported  
UST Tank Num : 3628

Master Agency Id : 70413  
Subject Category Code : EQT  
Subject ID : 3  
Subject Item ID : 3  
Install Date : 01/01/80  
Pipe Method Desc : Pressure  
Last Status : 7526  
Status Date : 05/09/86  
Total Capacity : 8000  
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 : Not reported  
Cathodically Protected : Yes  
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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**SUNDOWNER C STORE (Continued)**

**U000878544**

Liner Covering Excavation Hole : Not reported  
 Unknown : Not reported  
 Other Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 3629

Master Agency Id : 70413  
 Subject Category Code : EQT  
 Subject ID : 4  
 Subject Item ID : 4  
 Install Date : 05/08/85  
 Pipe Method Desc : Pressure  
 Last Status : 7526  
 Status Date : 05/09/86  
 Total Capacity : 8000  
 Number Of Compartments : 1  
 Gasoline Flag : Not reported  
 Diesel Flag : Yes  
 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 : Not reported  
 Cathodically Protected : Not reported  
 Epoxy Coated Tank : Yes  
 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 Description : GLASSTEEL  
 Facility Status : Active  
 Other Material : Y  
 UST Tank Num : 3630

**9**  
**North**  
**1/4-1/2**  
**2278 ft.**

**CIRCLE K #8189**  
**4629 E TEXAS ST**  
**BOSSIER CITY, LA 71111**

**LUST** **U003987391**  
**UST** **N/A**

**Relative:**  
**Higher**

LUST:  
 Facility ID: 75326

**Actual:**  
**164 ft.**

UST:  
 Master Agency Id : 75326  
 Subject Category Code : EQT  
 Subject ID : 1  
 Subject Item ID : 1  
 Install Date : 06/20/89  
 Pipe Method Desc : Pressure  
 Last Status : 5638  
 Status Date : 01/26/89  
 Total Capacity : 10000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**CIRCLE K #8189 (Continued)**

**U003987391**

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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Active  
Other Material : Not reported  
UST Tank Num : 37059

Master Agency Id : 75326  
Subject Category Code : EQT  
Subject ID : 2  
Subject Item ID : 2  
Install Date : 06/20/89  
Pipe Method Desc : Pressure  
Last Status : 5638  
Status Date : 01/26/89  
Total Capacity : 10000  
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 : Not reported  
Cathodically Protected : Not reported  
Epoxy Coated Tank : Not reported  
A Composite Of Different Materials : Not reported  
Fiberglass Or Plastic : Y  
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 Description : Not reported  
Facility Status : Active  
Other Material : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**CIRCLE K #8189 (Continued)**

**U003987391**

UST Tank Num : 37060  
 Master Agency Id : 75326  
 Subject Category Code : EQT  
 Subject ID : 3  
 Subject Item ID : 3  
 Install Date : 06/20/89  
 Pipe Method Desc : Pressure  
 Last Status : 5638  
 Status Date : 01/26/89  
 Total Capacity : 10000  
 Number Of Compartments : 1  
 Gasoline Flag : Yes  
 Diesel 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 : Not reported  
 Cathodically Protected : Not reported  
 Epoxy Coated Tank : Not reported  
 A Composite Of Different Materials : Not reported  
 Fiberglass Or Plastic : Y  
 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 Description : Not reported  
 Facility Status : Active  
 Other Material : Not reported  
 UST Tank Num : 37061

**10  
 North  
 1/4-1/2  
 2359 ft.**

**SOUTHERN MAID DONUTS  
 4701 E TEXAS  
 BOSSIER CITY, LA 71111**

**UST U000220704  
 HIST LUST N/A**

**Relative:  
 Lower**

**LUST HIST:**

Facility ID:	08-013282	Incident Number:	93-7-0190
Quantity:	UNKNOWN	Release Date:	07/23/1993
Facility Parish:	BOSSIER	Owner ID:	00541900
Date Confirmed:	07/23/1993		

**Actual:  
 163 ft.**

Substance Name: GASOLINE  
 Reported By: TALMEDGE DENNIS/DENNIS OIL  
 Owner Name: SOUTHERN MAID DONUTS  
 Owner Address: 4701 E. TEXAS  
 BOSSIER CITY, LA 71111  
 Type of Incident: UST LEAK  
 Incident Contactor: Not reported  
 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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SOUTHERN MAID DONUTS (Continued)**

**U000220704**

Corrective Plan Due Date: Not reported  
Corrective Plan Received Date: Not reported  
Corrective Plan Approved Date: 07/28/1993  
Remediation Method: Not reported  
Remediation Date: Not reported

Incident Comments:

RELEASE NOTIFICATION NOT IN FOLDER. OWNER IS MR. L.W. YATES  
P.O. BOX 5097, BOSSIER CITY, LA. NO INFORMATION NOT IN THE  
FOLDER ON THE 1993 INCIDENT.

Corrective Action Comments:

NO RESPONSE ACTION CONTRACTOR INFO IN FOLDER.

Assessment Comments:

SAMPLE RESULTS COLLECTED JUST BELOW 6,000 GALLON GAS UST HAD  
HIGH BTEX AND TPH-G LEVELS IN SOIL. ADDITIONAL SOIL SAMPLES  
WERE REQUESTED SINCE NO GW HAD BEEN SEEN IN HOLE IN TIME OF  
REMOVAL. NEW SAMPLES WERE COLLECTED AT DEPTH OF ABOUT 13 TO  
14 FEET BELOW SURFACE AND SENT TO LAB FOR ANALYSIS. RESULTS  
VERY LOW. BASED ON THESE RESULTS, NO FURTHER ACTION REQUIRED

Facility ID: 08-013282  
Quantity: Not reported  
Facility Parish: BOSSIER  
Date Confirmed: Not reported

Incident Number: 93-7-0190  
Release Date: 07/23/1993  
Owner ID: 00541900

Substance Name: Not reported  
Reported By: Not reported  
Owner Name: SOUTHERN MAID DONUTS  
Owner Address: 4701 E. TEXAS  
BOSSIER CITY, LA 71111

Type of Incident: Not reported  
Incident Contactor: Not reported  
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  
Corrective Plan Due Date: Not reported  
Corrective Plan Received Date: Not reported  
Corrective Plan Approved Date: 07/28/1993  
Remediation Method: Not reported  
Remediation Date: Not reported

Incident Comments:

RELEASE NOTIFICATION NOT IN FOLDER. OWNER IS MR. L.W. YATES  
P.O. BOX 5097, BOSSIER CITY, LA. NO INFORMATION NOT IN THE  
FOLDER ON THE 1993 INCIDENT.

Corrective Action Comments:

NO RESPONSE ACTION CONTRACTOR INFO IN FOLDER.

Assessment Comments:

SAMPLE RESULTS COLLECTED JUST BELOW 6,000 GALLON GAS UST HAD  
HIGH BTEX AND TPH-G LEVELS IN SOIL. ADDITIONAL SOIL SAMPLES  
WERE REQUESTED SINCE NO GW HAD BEEN SEEN IN HOLE IN TIME OF  
REMOVAL. NEW SAMPLES WERE COLLECTED AT DEPTH OF ABOUT 13 TO  
14 FEET BELOW SURFACE AND SENT TO LAB FOR ANALYSIS. RESULTS  
VERY LOW. BASED ON THESE RESULTS, NO FURTHER ACTION REQUIRED

UST:

Master Agency Id : 68579  
Subject Category Code : EQT

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**SOUTHERN MAID DONUTS (Continued)**

**U000220704**

Subject ID :	1
Subject Item ID :	1
Install Date :	10/01/80
Pipe Method Desc :	Not reported
Last Status :	15908
Status Date :	06/01/93
Total Capacity :	6000
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 Description :	Not reported
Facility Status :	Removed
Other Material :	Not reported
UST Tank Num :	38259
Master Agency Id :	68579
Subject Category Code :	EQT
Subject ID :	2
Subject Item ID :	2
Install Date :	10/01/80
Pipe Method Desc :	Not reported
Last Status :	15908
Status Date :	06/01/93
Total Capacity :	6000
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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SOUTHERN MAID DONUTS (Continued)**

**U000220704**

Outside Lined w/ Polyethylen Jacket : Not reported  
Made Of Concrete : Not reported  
Liner Covering Excavation Hole : Not reported  
Unknown : Not reported  
Other Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 38260

Master Agency Id : 68579  
Subject Category Code : EQT  
Subject ID : 3  
Subject Item ID : 3  
Install Date : 10/01/80  
Pipe Method Desc : Not reported  
Last Status : 15908  
Status Date : 06/01/93  
Total Capacity : 6000  
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 Description : Not reported  
Facility Status : Removed  
Other Material : Not reported  
UST Tank Num : 38261

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOSSIER CITY	S105750517	OLD CITGO REFINERY	I-20 / OLD MINDEN RD		SHWS
BOSSIER CITY	89106006	HWY 2 OUTSIDE OF THE CITY LIMITS EAST OF PLAIN DEALING	HWY 2 OUTSIDE OF THE CITY LIMITS EAST OF PLAIN DEALING		ERNS
BOSSIER CITY	U003885823	HILLCREST CEMETERY	601 HWY 80 EAST	71110	UST
BOSSIER CITY	S103489998	DIAMOND SHAMROCK TOTAL #4198	3000 BARKSDALE BLVD.	71112	HIST LUST
BOSSIER CITY	U001899284	BOSSIER AMOCO SERVICE CENTER	100 BOSSIER CENTER	71111	UST
BOSSIER CITY	U003969932	BOSSIER CITY OF - LANDFILL	COLQUITT RD	71111	UST
BOSSIER CITY	U003987612	DISCOUNT AUTO PARTS 753	NW CORNER BARKSDALE & BEVERLY	71111	UST
BOSSIER CITY	S106908335	DOWELL SCHLUMBERGER INC BOSSIER CITY	DOWELL SCHLUMBERGER 412 HAMILTON ROAD BOSSIER CI		SPILLS
BOSSIER CITY	1003873354	H & W WRECKING COMPANY LANDFILL	120 N EAST TEXAS ST	71111	CERC-NFRAP
BOSSIER CITY	1003873359	HELENA CHEMICAL COMPANY - BOSSIER CITY	4317 HAZEL JONES RD.	71111	CERC-NFRAP
BOSSIER CITY	1004712690	PROFESSIONAL AUTO	3300 INDUSTRIAL	71111	RCRA-SQG, FINDS
BOSSIER CITY	S106909742	BOSSIER PARISH	B J SERVICES 4920 SHED RD, BOSSIER CITY		SPILLS
BOSSIER CITY	1009258277	CITY PEST CONTROL	3000 JAMIE PL	71112	ICIS
BOSSIER CITY	S106910247	KANSAS CITY SOUTHERN RAILWAY CO	KCS BOSSIER YARD ON THE MAIN LINE 601 HAMILTON RD		SPILLS
BOSSIER CITY	S105201098	LINCOLN CREOSOTING	E OF MONTGOMERY ST OFF BENTON		SHWS
BOSSIER CITY	1007444153	BOSSIER CITY SANITARY LANDFILL	OFF HWY 72 W NE OF BOSSIER CITY NEAR RED RIVER		ODI
BOSSIER CITY	S104511535	PAUL SPEARS DUMP	PAUL SPEARS DUMP		SHWS
BOSSIER CITY	S105201168	PHILLIPS PETROLEUM CO BOSSIER CITY	PHILLIPS PETROLEUM BOSSIER CITY		SHWS
BOSSIER CITY	94406253	RED RIVER KANSAS CITY RR BRIDGE	RED RIVER KANSAS CITY RR BRIDGE		ERNS
BOSSIER CITY	S105201050	H&W WRECKING CO LANDFILL	TEXAS BRIDGE N END		SHWS
MCDADE	U003987038	AERO FARM SERVICE	558 HWY 157	71111	UST
SHREVEPORT	U001897561	PAR MINERALS	HWY 1 SOUTH	71111	UST

# 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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	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 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 8  
Telephone: 303-312-6774

EPA Region 4  
Telephone 404-562-8033

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **NPL RECOVERY: 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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	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: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

## **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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

## **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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	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: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **US BROWNFIELDS:** A Listing of Brownfields Sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

## **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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	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: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	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: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	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	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	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: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

**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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	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: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

## **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: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

## **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: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/30/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Biennially

## 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: 02/14/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Quarterly

### **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: 04/10/2006  
Date Data Arrived at EDR: 05/05/2006  
Date Made Active in Reports: 06/12/2006  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 07/10/2006  
Next Scheduled EDR Contact: 10/09/2006  
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: 03/23/2006  
Date Data Arrived at EDR: 03/29/2006  
Date Made Active in Reports: 05/04/2006  
Number of Days to Update: 36

Source: Department of Environmental Quality  
Telephone: 225-219-3953  
Last EDR Contact: 06/28/2006  
Next Scheduled EDR Contact: 09/25/2006  
Data Release Frequency: Varies

### **SWRCY:** Recycling Directory

A listing of recycling facilities.

Date of Government Version: 04/11/2006  
Date Data Arrived at EDR: 04/11/2006  
Date Made Active in Reports: 05/04/2006  
Number of Days to Update: 23

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 07/12/2006  
Next Scheduled EDR Contact: 10/09/2006  
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: 02/14/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## **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: 04/04/2006  
Date Data Arrived at EDR: 04/26/2006  
Date Made Active in Reports: 05/22/2006  
Number of Days to Update: 26

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 07/03/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Quarterly

## **LIENS:** Environmental Liens

Date of Government Version: 02/01/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
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: 03/17/2006  
Date Data Arrived at EDR: 04/10/2006  
Date Made Active in Reports: 05/04/2006  
Number of Days to Update: 24

Source: Department of Environmental Quality  
Telephone: 225-219-3620  
Last EDR Contact: 06/13/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Varies

## **AUL:** Listing of Institutional Controls

Sites that have institutional controls in place.

Date of Government Version: 02/14/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: 225-219-3168  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Quarterly

## **VCP:** Voluntary Remediation Program Sites

Sites that have entered the Department of Environmental Quality's Voluntary Remediation Program

Date of Government Version: 02/13/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Varies

## **DRYCLEANERS:** Drycleaner Facility Listing

A listing of drycleaner facilities.

Date of Government Version: 02/01/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: 225-219-3168  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
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: 12/31/2004  
Date Data Arrived at EDR: 02/08/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 177

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 05/12/2006  
Next Scheduled EDR Contact: 08/07/2006  
Data Release Frequency: Semi-Annually

### **INDIAN UST:** USTs on Indian Land

Date of Government Version: 12/14/2005  
Date Data Arrived at EDR: 12/14/2005  
Date Made Active in Reports: 01/11/2006  
Number of Days to Update: 28

Source: Environmental Protection Agency, Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/23/2006  
Next Scheduled EDR Contact: 08/21/2006  
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

### **EDR Historical Auto Stations:** EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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: Varies

### **EDR Historical Cleaners:** EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

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: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2006
	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: 05/02/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Annually

### **PA MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/04/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

### **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 05/02/2006	Last EDR Contact: 07/11/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/09/2006
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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.

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

BOSSIER CITY USARC  
300 MILLER ROAD  
BOSSIER CITY, LA 71112

### **TARGET PROPERTY COORDINATES**

Latitude (North):	32.52570 - 32° 31' 32.5"
Longitude (West):	93.6736 - 93° 40' 25.0"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	436738.6
UTM Y (Meters):	3598718.5
Elevation:	164 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	32093-E6 BOSSIER CITY, LA
Most Recent Revision:	1998

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).

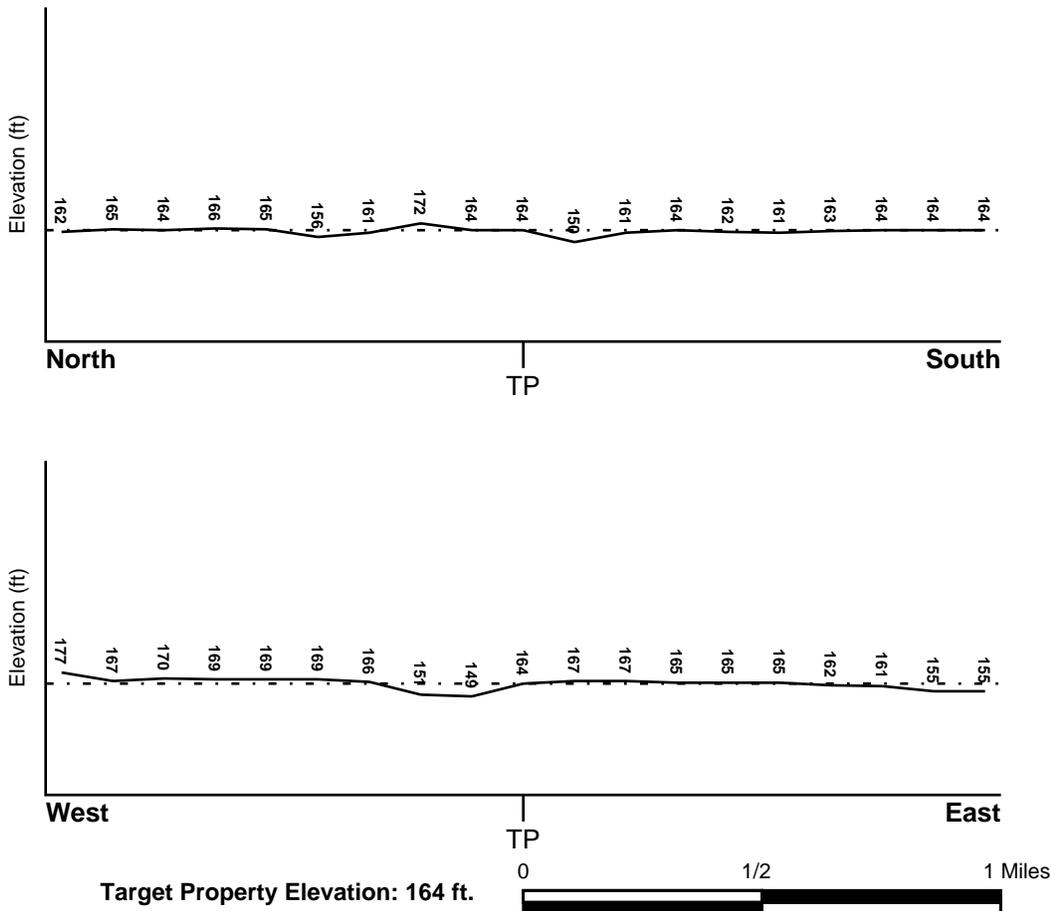
## TOPOGRAPHIC INFORMATION

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 WNW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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**

<u>Target Property County</u> BOSSIER, LA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2200330020C
Additional Panels in search area:	2200330010C

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> NOT AVAILABLE	NWI Electronic <u>Data Coverage</u> Not Available
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## 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

\* ©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: Stratified 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: MORELAND

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.06 Min: 0.00	Max: 7.80 Min: 6.10
2	12 inches	50 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.06 Min: 0.00	Max: 8.40 Min: 6.60
3	50 inches	64 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.00	Max: 8.40 Min: 6.60

### 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: silt loam  
very fine sandy loam  
silty clay loam  
silty clay

Surficial Soil Types: silt loam  
very fine sandy loam  
silty clay loam  
silty clay

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: silt loam  
stratified

### 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2585636	1/8 - 1/4 Mile North
A2	USGS2585476	1/2 - 1 Mile NW
A3	USGS2585474	1/2 - 1 Mile NW
A4	USGS2585475	1/2 - 1 Mile NW
5	USGS2585495	1/2 - 1 Mile North
B6	USGS2585596	1/2 - 1 Mile SW
B7	USGS2585597	1/2 - 1 Mile SW
D10	USGS2585627	1/2 - 1 Mile East
D11	USGS2585626	1/2 - 1 Mile East
12	USGS2585510	1/2 - 1 Mile NNE
13	USGS2585628	1/2 - 1 Mile West

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

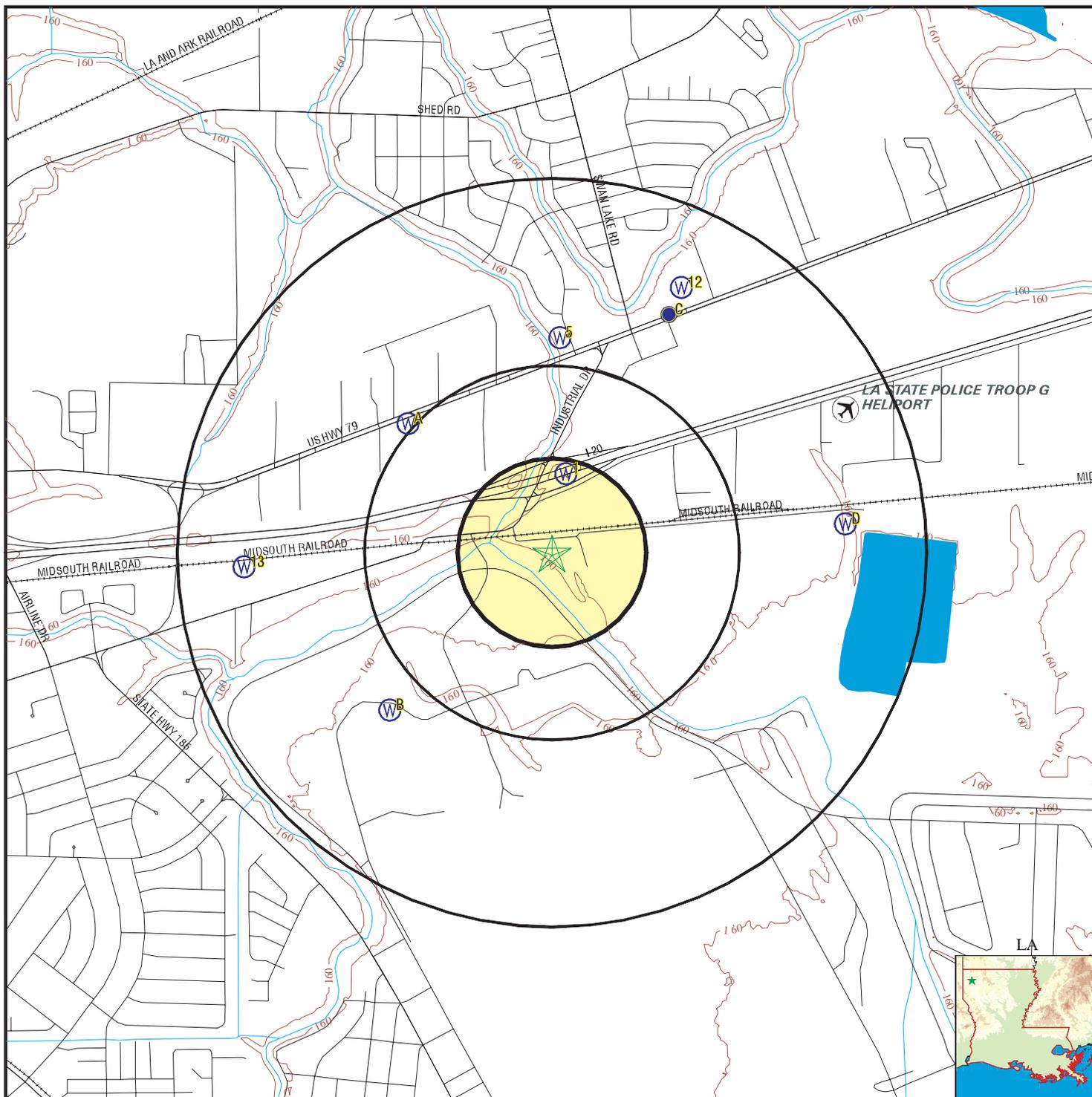
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C8	LA1015035	1/2 - 1 Mile NNE

Note: PWS System location is not always the same as well location.

## **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C9	1015035001	1/2 - 1 Mile NNE

# PHYSICAL SETTING SOURCE MAP - 1716236.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: Bossier City USARC  
 ADDRESS: 300 Miller Road  
 Bossier City LA 71112  
 LAT/LONG: 32.5257 / 93.6736

CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1716236.2s  
 DATE: July 17, 2006

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**North**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS2585636**

Agency cd:	USGS	Site no:	323143093402201
Site name:	BO- 81		
Latitude:	323143		
Longitude:	0934022	Dec lat:	32.52876258
Dec lon:	-93.67295506	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	SESES 23T18N R13W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Red Chute. Louisiana. Area = 381 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:	Not Reported		
Well depth:	250.	Hole depth:	Not Reported
Source of depth data:	other 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

**A2**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2585476**

Agency cd:	USSCS	Site no:	323150093404812
Site name:	BO- 373P		
Latitude:	323150		
Longitude:	0934048	Dec lat:	32.53070695
Dec lon:	-93.68017743	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NESESWS 23T18N R13W
Location map:	BOSSIER CITY 29C	Map scale:	24000
Altitude:	167.10	Altitude method:	M
Altitude accuracy:	3.	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 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

## 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: RED RIVER ALLUVIAL AQUIFER  
 Well depth: Not Reported      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: 1978-05-11      Ground water data end date: 1984-08-07  
 Ground water data count: 71

Ground-water levels, Number of Measurements: 71

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----					
1984-08-07					
Note: The site was dry (no water level recorded).					
1984-07-17					
Note: The site was dry (no water level recorded).					
1984-05-15	9.0		1984-04-16	8.1	
1984-03-08	6.5		1984-02-08	9.6	
1984-01-05	9.9		1983-12-08	11.2	
1983-11-03					
Note: The site was dry (no water level recorded).					
1983-10-05	10.7		1983-09-07	10.6	
1983-08-04	9.8		1983-07-07	7.6	
1983-06-02	8.4		1983-05-04	8.7	
1983-04-07	7.9		1983-03-10	6.8	
1983-02-02	9.2		1983-01-05	9.8	
1982-12-09	11.9		1982-08-04	11.3	
1982-06-30	11.4		1982-06-03	10.0	
1982-05-04	9.8		1982-04-07	10.1	
1982-03-03	9.3		1982-02-04	10.14	
1982-01-05	11.4		1981-12-10	11.3	
1981-11-11	11.0		1981-10-15	11.2	
1981-09-02	10.0		1981-08-05	11.8	
1981-07-08	10.9		1981-06-04	10.4	
1981-05-07	12.0		1981-03-31	11.5	
1981-03-04	11.4		1981-02-06	12.7	
1981-01-09	12.2		1980-12-02	12.3	
1980-11-11	12.5		1980-10-09	13.1	
1980-09-09	12.0		1980-08-11	11.6	
1980-07-02	9.7		1980-06-05	7.61	
1980-05-06	7.60		1980-04-01	6.95	
1980-03-04	7.74		1980-02-04	8.24	
1980-01-08	9.55		1979-12-06	10.33	
1979-11-05	11.4		1979-09-27	11.0	
1979-09-05	10.8		1979-08-02	9.31	
1979-07-03	8.70		1979-06-06	5.71	
1979-05-02	6.75		1979-04-03	6.5	
1979-03-14	8.46		1979-02-19	9.4	
1979-01-18	12.3		1978-12-12	13.1	
1978-11-01					
Note: The site was dry (no water level recorded).					
1978-09-13					
Note: The site was dry (no water level recorded).					

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-08-01					
Note: The site was dry (no water level recorded).					
1978-07-25	13.5				
1978-06-14					
Note: The site was dry (no water level recorded).					
1978-05-11	11.3				

**A3  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2585474**

Agency cd:	USGS	Site no:	323150093404801
Site name:	BO- 373		
Latitude:	323150		
Longitude:	0934048	Dec lat:	32.53070695
Dec lon:	-93.68017743	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NESESWS 23T18N R13W
Location map:	BOSSIER CITY 29C	Map scale:	24000
Altitude:	167.10	Altitude method:	M
Altitude accuracy:	3.	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19780224
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:	RED RIVER ALLUVIAL AQUIFER		
Well depth:	73.0	Hole depth:	77.0
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:	1978-06-15
Water quality data end date:	1979-11-05	Water quality data count:	2
Ground water data begin date:	1978-03-14	Ground water data end date:	1995-10-10
Ground water data count:	115		

Ground-water levels, Number of Measurements: 115

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-10-10	4.18		1990-04-11	4.42	
1989-03-24	7.85		1988-03-11	7.23	
1987-09-02	11.08		1987-08-05	10.90	
1987-07-07	9.90		1987-06-04	9.46	
1987-05-05	8.58		1987-04-08	7.12	
1987-03-06	4.75		1987-02-05	4.92	
1987-01-07	5.60		1986-12-05	7.25	
1986-11-04	8.54		1986-10-16	9.90	
1986-09-18	10.74		1986-08-07	9.65	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-07-02	6.44		1986-06-05	8.97	
1986-04-30	8.93		1986-04-10	9.33	
1986-03-12	8.79		1986-02-20	8.08	
1986-01-16	9.02		1985-12-19	7.87	
1985-11-21	9.80		1985-10-22	8.63	
1985-09-17	11.45		1985-08-13	10.60	
1985-07-16	9.93		1985-06-18	8.86	
1985-05-15	8.22		1985-04-11	6.96	
1985-03-07	6.74		1985-02-13	6.30	
1985-01-16	7.15		1984-12-05	8.11	
1984-11-15	8.68		1984-10-25	8.88	
1984-09-12	11.94		1984-08-08	11.14	
1984-07-16	10.42		1984-06-14	9.74	
1984-05-15	8.07		1984-04-16	7.85	
1984-03-08	6.43		1984-02-08	9.43	
1984-01-05	9.85		1983-12-08	10.97	
1983-11-03	12.30		1983-10-05	11.70	
1983-09-07	10.98		1983-08-04	9.97	
1983-07-07	8.73		1983-06-02	7.99	
1983-05-04	8.74		1983-04-07	7.79	
1983-03-10	6.80		1983-02-02	9.12	
1983-01-05	9.59		1982-12-09	11.68	
1982-11-03	12.98		1982-10-07	13.75	
1982-09-02	13.12		1982-08-04	12.42	
1982-06-30	11.40		1982-06-03	10.79	
1982-05-04	9.82		1982-04-07	9.74	
1982-03-03	9.25		1982-02-04	10.14	
1982-01-05	11.43		1981-12-10	11.27	
1981-07-08	10.83		1981-06-04	10.37	
1981-05-07	11.90		1981-03-31	11.45	
1981-03-04	11.35		1981-02-06	12.70	
1981-01-09	12.93		1980-12-02	12.28	
1980-11-11	12.90		1980-10-09	12.56	
1980-09-09	11.98		1980-08-11	11.22	
1980-07-02	9.21		1980-06-05	7.66	
1980-05-06	7.61		1980-04-01	6.99	
1980-03-04	7.73		1980-02-04	8.28	
1980-01-08	9.45		1979-12-06	10.35	
1979-11-05	11.00		1979-09-27	10.99	
1979-09-05	10.68		1979-08-02	9.28	
1979-07-03	8.70		1979-06-06	5.66	
1979-05-02	6.75		1979-04-03	6.35	
1979-03-14	8.47		1979-02-21	9.38	
1979-01-18	11.91		1978-12-12	12.88	
1978-11-01	14.06		1978-09-13	13.70	
1978-08-14	13.60		1978-07-25	13.40	
1978-06-15	11.85		1978-06-14	11.90	
1978-05-11	11.40		1978-04-11	11.80	
1978-03-14	12.10				

A4  
NW  
1/2 - 1 Mile  
Higher

FED USGS USGS2585475

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USSCS	Site no:	323150093404811
Site name:	BO- 373A		
Latitude:	323150		
Longitude:	0934048	Dec lat:	32.53070695
Dec lon:	-93.68017743	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NESESWS 23T18N R13W
Location map:	BOSSIER CITY 29C	Map scale:	24000
Altitude:	167.10	Altitude method:	M
Altitude accuracy:	3.	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 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:	RED RIVER ALLUVIAL AQUIFER SURFICIAL CONFINING UNIT		
Well depth:	Not Reported	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:	1978-06-14	Ground water data end date:	1979-08-02
Ground water data count:	8		

Ground-water levels, Number of Measurements: 8

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
1979-08-02	0.2			1979-07-03	0.9	
1979-05-02	0.6			1979-03-14	0.7	
1979-02-21	1.2					
1978-08-14						
	Note: The site was dry (no water level recorded).					
1978-07-25						
	Note: The site was dry (no water level recorded).					
1978-06-14						
	Note: The site was dry (no water level recorded).					

**5  
North  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2585495**

Agency cd:	USGS	Site no:	323202093402301
Site name:	BO- 157		
Latitude:	323202		
Longitude:	0934023	Dec lat:	32.53404017
Dec lon:	-93.67323284	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NENESES 23T18N R13W
Location map:	BOSSIER CITY 29	Map scale:	62500

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	167.13	Altitude method:	L
Altitude accuracy:	.1	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19561127
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:	RED RIVER ALLUVIAL AQUIFER		
Well depth:	65.0	Hole depth:	74.0
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:	1956-11-27
Water quality data end date:	1957-05-30	Water quality data count:	2
Ground water data begin date:	1956-11-30	Ground water data end date:	1956-11-30
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1956-11-30	14.75	

**B6  
SW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2585596**

Agency cd:	USGS	Site no:	323110093405101
Site name:	BO- 381		
Latitude:	323110		
Longitude:	0934051	Dec lat:	32.51959623
Dec lon:	-93.68101077	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NENESWS 26T18N R13W
Location map:	BOSSIER CITY 29	Map scale:	24000
Altitude:	167.20	Altitude method:	L
Altitude accuracy:	.1	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19780211
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:	RED RIVER ALLUVIAL AQUIFER		
Well depth:	68.0	Hole depth:	73.0
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:	1978-06-08
Water quality data end date:	1979-11-07	Water quality data count:	2
Ground water data begin date:	1978-03-14	Ground water data end date:	1995-10-13
Ground water data count:	126		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 126

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-10-13	12.64		1995-07-20	10.87	
1995-03-29	7.49		1995-01-04	8.37	
1994-10-05	11.91		1994-07-01	10.41	
1994-04-06	9.15		1994-01-12	11.04	
1993-10-18	11.66		1993-07-08	8.20	
1993-04-23	7.33		1993-02-03	7.58	
1992-10-15	11.02		1992-07-17	8.72	
1992-04-03	7.87		1991-10-11	11.66	
1991-07-11	9.32		1991-06-04	6.59	
1991-04-09	8.98		1990-10-19	12.42	
1990-07-12	9.83		1990-06-21	8.85	
1990-06-07	7.70		1990-05-24	7.76	
1990-04-12	6.05		1989-04-10	10.13	
1988-03-11	9.19		1987-09-01	12.92	
1987-08-05	12.26		1987-06-03	11.05	
1987-05-06	10.23		1987-04-08	8.82	
1987-03-05	5.86		1987-02-05	10.72	
1986-12-05	10.82		1986-11-05	11.19	
1986-09-18	12.52		1986-08-07	11.13	
1986-06-05	11.98		1986-04-30	11.88	
1986-03-13	11.34		1986-02-20	10.62	
1986-01-15	11.19		1985-12-18	10.21	
1985-11-20	12.01		1985-09-17	13.10	
1985-08-13	12.29		1985-06-18	10.95	
1985-05-15	10.23		1985-04-11	9.14	
1985-03-07	9.30		1985-02-12	9.25	
1985-01-17	10.17		1984-11-14	10.85	
1984-09-13	13.87		1984-06-13	10.54	
1984-04-17	10.23		1984-03-08	9.27	
1984-02-08	11.85		1984-01-05	12.20	
1983-12-07	13.32		1983-11-02	13.85	
1983-10-06	13.32		1983-08-03	11.80	
1983-07-07	11.19		1983-06-02	10.28	
1983-04-07	10.23		1983-03-10	9.48	
1983-02-03	11.88		1983-01-05	11.96	
1982-12-09	14.08		1982-11-04	15.04	
1982-10-07	15.44		1982-09-02	14.96	
1982-08-05	14.45		1982-06-30	13.75	
1982-06-03	13.24		1982-05-05	12.73	
1982-04-07	12.58		1982-03-04	12.43	
1982-02-03	13.27		1982-01-05	13.94	
1981-12-11	13.65		1981-11-10	13.04	
1981-08-04	13.60		1981-07-15	12.98	
1981-06-04	13.26		1981-05-07	14.70	
1981-04-01	14.48		1981-03-05	14.40	
1981-02-09	15.00		1981-01-09	14.89	
1980-12-02	14.40		1980-11-12	14.58	
1980-10-08	13.99		1980-09-11	13.43	
1980-08-08	15.70		1980-07-08	11.10	
1980-06-05	9.31		1980-05-07	9.73	
1980-04-01	10.51		1980-03-05	10.60	
1980-02-06	10.98		1980-01-10	11.92	
1979-12-07	12.56		1979-11-07	13.07	
1979-09-27	12.50		1979-09-05	12.05	
1979-08-08	11.18		1979-07-04	10.25	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-06-07	8.08		1979-05-02	9.12	
1979-04-04	9.87		1979-03-14	11.00	
1979-02-22	11.88		1979-01-19	14.30	
1978-12-12	15.51		1978-11-02	16.00	
1978-09-13	15.70		1978-08-14	15.70	
1978-07-25	15.30		1978-06-14	14.20	
1978-06-08	13.95		1978-05-11	14.10	
1978-04-10	14.80		1978-03-14	15.30	

**B7  
SW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2585597**

Agency cd:	USSCS	Site no:	323110093405111
Site name:	BO- 381P		
Latitude:	323110		
Longitude:	0934051	Dec lat:	32.51959623
Dec lon:	-93.68101077	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NENESWS 26T18N R13W
Location map:	BOSSIER CITY 29	Map scale:	24000
Altitude:	167.20	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Red Chute, Louisiana. Area = 381 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:	RED RIVER ALLUVIAL AQUIFER SURFICIAL CONFINING UNIT		
Well depth:	Not Reported	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:	1978-06-14	Ground water data end date:	1995-10-13
Ground water data count:	119		

Ground-water levels, Number of Measurements: 119

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-10-13	12.35		1995-07-20	10.58	
1995-03-29	6.94		1995-01-04	7.95	
1994-10-05	11.53		1994-07-01	10.11	
1994-04-06	8.90		1994-01-12	10.90	
1993-10-18	11.33		1993-07-27	8.00	
1993-04-23	6.91		1993-02-03	7.08	
1992-10-15	10.75		1992-07-17	9.43	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-04-03	7.45		1991-10-11	11.16	
1991-07-11	8.91		1991-06-04	6.0	
1991-04-09	8.8		1990-10-19	12.1	
1990-07-13	9.5		1990-06-21	8.5	
1990-06-07	7.2		1990-05-24	7.4	
1990-04-12	5.4		1989-04-10	10.2	
1988-03-18	12.2		1988-03-11	10.6	
1987-08-05	11.9		1987-06-03	10.8	
1987-05-06	10.0		1987-04-08	8.4	
1987-03-05	5.4		1987-02-05	10.5	
1986-12-05	10.7		1986-11-05	10.9	
1986-09-08	12.6		1986-08-07	10.8	
1986-06-05	11.9		1986-04-30	13.3	
1986-03-13	11.1		1986-02-20	10.4	
1986-01-15	10.9		1985-12-18	10.3	
1985-11-20	11.7		1985-09-17	12.6	
1985-08-13	12.4		1985-06-18	10.9	
1985-05-15	10.3		1985-04-11	8.9	
1985-02-12	9.4		1985-01-17	10.1	
1984-11-14	11.0		1984-06-13	11.3	
1984-04-17	10.8		1984-03-08	9.4	
1984-02-08	11.5		1983-12-07	12.0	
1983-11-02	13.8		1983-10-06	13.1	
1983-08-03	11.5		1983-07-07	11.0	
1983-06-02	9.9		1983-04-07	10.0	
1983-03-10	9.5		1983-02-03	11.9	
1983-01-05	12.1		1982-12-09	14.9	
1982-11-04	15.1		1982-10-07	15.4	
1982-09-02	14.8		1982-08-05	14.3	
1982-06-30	13.2		1982-06-03	13.2	
1982-05-05	12.6		1982-04-07	12.4	
1982-03-04	12.6		1982-02-03	13.2	
1982-01-05	13.6		1981-12-11	13.5	
1981-11-10	14.7		1981-08-04	13.4	
1981-07-15	13.9		1981-06-04	13.4	
1981-05-07	14.6		1981-04-01	14.3	
1981-03-05	14.4		1981-02-09	14.9	
1981-01-09	14.3		1980-12-02	14.2	
1980-11-12	13.6		1980-10-08	13.7	
1980-09-11	13.20		1980-08-08	12.6	
1980-07-08	11.2		1980-06-05	9.00	
1980-05-07	9.49		1980-04-01	9.95	
1980-03-05	10.31		1980-02-06	10.91	
1980-01-10	11.83		1979-12-07	12.38	
1979-11-07	13.1		1979-09-27	12.07	
1979-09-05	11.62		1979-08-08	10.8	
1979-07-04	9.84		1979-06-07	8.2	
1979-05-02	9.03		1979-04-04	10.13	
1979-03-14	10.85		1979-02-22	11.6	
1979-01-19	14.4		1978-12-12	15.0	
1978-11-02	16.1		1978-09-13	15.8	
1978-08-01	15.4		1978-07-25	15.0	
1978-06-14	14.0				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C8**  
**NNE**  
 1/2 - 1 Mile  
 Lower

**FRDS PWS      LA1015035**

PWS ID:                      LA1015035              PWS Status:    Not Reported  
 Date Initiated:          Not Reported              Date Deactivated: Not Reported  
 PWS Name:                GREEN ACRES APT & MHP WS  
                                   4809 EAST TEXAS, #14  
                                   BOSSIER CITY, LA 71111

Addressee / Facility:    Operator  
                                   MICHELLE DURHAM, OPERATOR

Facility Latitude:        32 32 5.0000                      Facility Longitude: 93 40 5.0000  
 City Served:              Not Reported  
 Treatment Class:        Untreated                      Population:            80

PWS currently has or had major violation(s) or enforcement:    Yes

Violations information not reported.

**ENFORCEMENT INFORMATION:**

System Name:	GREEN ACRES APT & MHP WS		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	1999-10-19 - 2015-12-31	Analytical Value:	0000000.000000000
Violation ID:	00V0001	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

System Name:	SANTA FE VILLAGE W.S.		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	1999-10-19 - 2015-12-31	Analytical Value:	0000000.000000000
Violation ID:	00V0001	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

System Name:	SANTA FE VILLAGE WATER SYST		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	1999-10-19 - 2015-12-31	Analytical Value:	0
Violation ID:	00V0001	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

System Name:	SANTA FE VILLAGE WATER SYSTEM		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	1999-10-19 - 2015-12-31	Analytical Value:	0
Violation ID:	00V0001	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

**C9**  
**NNE**  
 1/2 - 1 Mile  
 Lower

**LA WELLS      1015035001**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Name: WELL NO. 1  
 Site ID: 001  
 Public Water Sys. ID: 1015035 Source: ALLUVIAL  
 Latitude/Longitude: 3232055 / 9340051 Total Depth: Not Reported  
 Diameter: Not Reported Capacity: 0  
 Supply Name: GREEN ACRES APT & MHP WS  
 4809 EAST TEXAS, #14  
 BOSSIER CITY, LA 71111  
 Parish: BOSSIER FIPS County Code: 015  
 Owner: GREEN ACRES APT & MHP WS System Type: Comm  
 Contact1: MICHELLE DURHAM, OPERATOR  
 Telephone1: (318) 746 - 3401  
 Contact2: Not Reported  
 Telephone2: Not Reported

**D10  
East  
1/2 - 1 Mile  
Lower**

**FED USGS USGS2585627**

Agency cd: USSCS Site no: 323136093393611  
 Site name: BO- 387P  
 Latitude: 323136  
 Longitude: 0933936 Dec lat: 32.5268182  
 Dec lon: -93.66017701 Coor meth: M  
 Coor accr: F Latlong datum: NAD27  
 Dec latlong datum: NAD83 District: 22  
 State: 22 County: 015  
 Country: US Land net: NENWNES 25T18N R13W  
 Location map: BOSSIER CITY 29C Map scale: 24000  
 Altitude: 163.00 Altitude method: L  
 Altitude accuracy: .01 Altitude datum: NGVD29  
 Hydrologic: Red Chute. Louisiana. Area = 381 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: RED RIVER ALLUVIAL AQUIFER SURFICIAL CONFINING UNIT  
 Well depth: Not Reported 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: 1978-05-11 Ground water data end date: 1983-10-05  
 Ground water data count: 59

Ground-water levels, Number of Measurements: 59

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-10-05	7.5		1983-09-07	6.5	
1983-08-03	5.5		1983-07-07	2.4	
1983-06-02	2.4		1983-05-04	2.3	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-04-07	1.9		1983-03-10	1.5	
1983-02-02	0.7		1983-01-05	1.4	
1982-12-09	4.4		1982-11-03	6.5	
1982-10-07	9.5		1982-09-02	8.2	
1982-08-04	6.7		1982-06-30	5.6	
1982-06-03	2.9		1982-05-04	2.3	
1982-04-07	2.1		1982-03-03	1.0	
1982-02-03	0.7		1982-01-05	2.2	
1981-12-10	2.2		1981-11-11	2.1	
1981-10-14	1.9		1981-09-02	5.6	
1981-07-15	2.3		1981-06-04	3.5	
1981-05-07	4.0		1981-03-31	2.5	
1981-03-04	2.5		1981-02-06	5.7	
1981-01-09	6.3		1980-12-02	6.45	
1980-11-11	7.7		1980-10-09	8.1	
1980-09-10	7.2		1980-08-11	7.0	
1980-07-03	3.87		1980-06-05	2.48	
1980-05-06	1.76		1980-04-01	1.14	
1980-03-05	1.45		1980-02-05	1.39	
1980-01-09	1.7		1979-12-06	2.42	
1979-11-07	4.6		1979-09-27	5.54	
1979-09-05	5.62		1979-06-05	0.4	
1979-05-02	2.6		1979-04-03	0.6	
1979-03-14	1.75		1979-02-21	1.3	
1979-01-18	1.7		1978-12-11	7.1	
1978-11-01	7.4		1978-06-14	5.1	
1978-05-11	2.2				

**D11  
East  
1/2 - 1 Mile  
Lower**

**FED USGS USGS2585626**

Agency cd:	USGS	Site no:	323136093393601
Site name:	BO- 387		
Latitude:	323136		
Longitude:	0933936	Dec lat:	32.5268182
Dec lon:	-93.66017701	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NENWNES 25T18N R13W
Location map:	BOSSIER CITY 29C	Map scale:	24000
Altitude:	163.00	Altitude method:	L
Altitude accuracy:	.1	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19780314
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:	RED RIVER ALLUVIAL AQUIFER		
Well depth:	56.0	Hole depth:	60.0
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: 1980-11-11  
 Ground water data begin date: 1978-04-11  
 Ground water data count: 56

Water quality data begin date: 1978-06-08  
 Water quality data count: 2  
 Ground water data end date: 1983-04-07

Ground-water levels, Number of Measurements: 56

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-04-07	5.08		1983-03-10	3.67	
1983-02-02	4.98		1983-01-05	5.42	
1982-12-09	8.41		1982-11-03	9.66	
1982-10-07	10.62		1982-09-02	9.86	
1982-08-04	8.72		1982-06-30	8.30	
1982-06-03	7.72		1982-05-04	6.91	
1982-04-07	6.76		1982-03-03	6.00	
1982-02-03	6.58		1982-01-05	8.03	
1981-12-10	7.74		1981-11-11	7.15	
1981-09-02	8.68		1981-07-15	8.30	
1981-06-04	8.95		1981-05-07	9.20	
1981-03-31	8.73		1981-03-04	8.35	
1981-02-06	10.10		1981-01-09	14.00	
1980-12-02	9.71		1980-11-11	9.97	
1980-10-09	9.74		1980-09-10	9.20	
1980-08-11	8.25		1980-07-03	6.22	
1980-06-05	4.77		1980-04-01	3.35	
1980-03-05	5.11		1980-02-05	5.21	
1980-01-07	6.55		1979-12-06	7.42	
1979-11-08	8.20		1979-09-27	8.11	
1979-09-05	7.81		1979-08-08	6.85	
1979-07-04	5.91		1979-06-05	3.61	
1979-05-02	3.42		1979-04-03	1.99	
1979-03-14	5.15		1979-02-21	5.17	
1979-01-18	8.00		1978-12-11	10.00	
1978-11-01	11.27		1978-07-25	10.50	
1978-06-14	9.20		1978-06-08	8.45	
1978-05-11	8.20		1978-04-11	9.70	

**12  
 NNE  
 1/2 - 1 Mile  
 Lower**

**FED USGS USGS2585510**

Agency cd:	USGS	Site no:	323209093400301
Site name:	BO- 110		
Latitude:	323209		
Longitude:	0934003	Dec lat:	32.53598455
Dec lon:	-93.66767717	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	NWS 24T18N R13W
Location map:	BOSSIER CITY 29	Map scale:	62500
Altitude:	169.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Red Chute, Louisiana. Area = 381 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
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:	WILCOX AQUIFER		
Well depth:	220	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

**13  
West  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2585628**

Agency cd:	USGS	Site no:	323136093412001
Site name:	BO- 229		
Latitude:	323130		
Longitude:	0934115	Dec lat:	32.52515159
Dec lon:	-93.68767758	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	015
Country:	US	Land net:	SENES 26T18N R13W
Location map:	BOSSIER CITY 29	Map scale:	62500
Altitude:	164.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Red Chute. Louisiana. Area = 381 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19510516
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:	WILCOX AQUIFER		
Well depth:	343	Hole depth:	365
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 RADON

## AREA RADON INFORMATION

State Database: LA Radon

### Radon Test Results

Parish	Avg pCi/L	Total Sites
BOSSIER	0.55429	35

Federal EPA Radon Zone for BOSSIER 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: 71112

Number of sites tested: 15

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.520 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<sup>R</sup> 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

### RADON

#### **State Database: LA Radon**

Source: Department of Environmental 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.

### 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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**EDR**® Environmental  
Data Resources Inc

## **The EDR Aerial Photo Decade Package**

**Bossier City USARC  
300 Miller Road  
Bossier City, LA 71112**

**Inquiry Number: 1716236.5**

**July 17, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

## NO COVERAGE

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**EDR**® Environmental  
Data Resources Inc

**EDR Historical  
Topographic Map  
Report**

**Bossier City USARC  
300 Miller Road  
Bossier City, LA 71112**

**Inquiry Number: 1716236.4**

**July 17, 2006**

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## EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR Historical Topographic Map Report includes a search of available public and private color historical topographic map collections. For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topographic maps covering the United States.

### References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

EPA's Standards and Practices for All Appropriate Inquiries (AAI), Section § 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of § 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

### References

In order to address data gaps, additional sources of information may be consulted. According to the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

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**EDR**® Environmental  
Data Resources Inc

**The EDR-City Directory**  
*Abstract*

**Bossier City USARC**  
300 Miller Road  
Bossier City, LA 71112

**Inquiry Number: 1716236.6**

**Monday, July 17, 2006**

**The Standard in  
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440 Wheelers Farms Road  
Milford, Connecticut 06461

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## EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

***Thank you for your business.***

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with any questions or comments.

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## **SUMMARY**

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1963 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

**Date EDR Searched Historical Sources:** July 17, 2006

**Target Property:**

300 Miller Road  
Bossier City, LA 71112

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Street Not Listed in Research Source	Polk's City Directory
1968	Street Not Listed in Research Source	Polk's City Directory
1973	Street Not Listed in Research Source	Polk's City Directory
1978	Street Not Listed in Research Source	Polk's City Directory
1983	U S Army Reserve Center	Polk's City Directory
1988	U S Army Reserve Center	Polk's City Directory
1994	U S Army Reserve Center	Polk's City Directory
1999	Not Verified	Polk's City Directory
2005	U S Army Headquarters	Polk's City Directory

**Adjoining Properties**

**SURROUNDING**

Multiple Addresses  
Bossier City, LA 71112

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Street Not Listed in Research Source	Polk's City Directory
1968	Street Not Listed in Research Source	Polk's City Directory
1973	Street Not Listed in Research Source	Polk's City Directory
1978	Street Not Listed in Research Source	Polk's City Directory
1983	<b><u>** MILLER ROAD **</u></b>	Polk's City Directory
	Address not listed in research source (276)	Polk's City Directory
	Address not listed in research source (280)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	No other addresses on Miller Road	Polk's City Directory
1988	<b><u>** MILLER ROAD **</u></b>	Polk's City Directory
	Address not listed in research source (276)	Polk's City Directory
	Address not listed in research source (280)	Polk's City Directory
	No other addresses on Miller Road	Polk's City Directory
1994	<b><u>** MILLER ROAD **</u></b>	Polk's City Directory
	Address not listed in research source (276)	Polk's City Directory
	U S Army Corps of Engineers (280)	Polk's City Directory
	No other addresses on Miller Rd	Polk's City Directory
1999	<b><u>** MILLER ROAD **</u></b>	Polk's City Directory
	Address not listed in research source (276)	Polk's City Directory
	U S Government Department of the Army (280)	Polk's City Directory
	No other addresses on Miller Rd	Polk's City Directory
2005	<b><u>** MILLER ROAD **</u></b>	Polk's City Directory
	U S Army Corps of Engineers (276)	Polk's City Directory
	U S Army Corps of Engineers (280)	Polk's City Directory
	No other addresses on Miller Rd	Polk's City Directory



"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Phil Hardy  
ENSAFE  
5724 Summer Trees Drive  
Memphis, TN 38134

**Order Date:** 7/17/2006    **Completion Date:** 7/17/2006  
**Inquiry #:** 1716236.3  
**P.O. #:** 0888802978 0009 TS01  
**Site Name:** Bossier City USARC

**Customer Project:** EJV-ECP Proj.  
1013941ERN                      850-457-1796

**Address:** 300 Miller Road  
**City/State:** Bossier City, LA 71112  
**Cross Streets:**

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

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