

March 2007

## **ENVIRONMENTAL ASSESSMENT**

### **MID-ARKANSAS WATER ALLIANCE**

# **Water Supply Storage Reallocation Greers Ferry Lake, Arkansas Lake Ouachita, Arkansas**

Prepared for



**U.S. Army Corps of Engineers**  
**Little Rock District**  
Little Rock, Arkansas

Prepared by



**Baton Rouge, Louisiana**



**Final Report  
ENVIRONMENTAL ASSESSMENT**

**MID-ARKANSAS WATER ALLIANCE**

**Water Supply Storage Reallocation  
Greers Ferry Lake, Arkansas  
Lake Ouachita, Arkansas**

Contract No. W91278-04-D-0018  
Delivery Order No. CL02  
GEC Project No. 27309CL02

Prepared by



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**U.S. ARMY CORPS OF ENGINEERS  
LITTLE ROCK DISTRICT  
LITTLE ROCK, ARKANSAS**

**March 29, 2007**



**FINDING OF NO  
SIGNIFICANT IMPACT**

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## **FINDING OF NO SIGNIFICANT IMPACT**

**NAME OF PROPOSED ACTION:** Mid-Arkansas Water Alliance (MAWA), Water Supply Storage Reallocation, Greers Ferry Lake and Lake Ouachita, Arkansas.

**PURPOSE AND NEED FOR THE PROPOSED ACTION.** The Little Rock District, U.S. Army Corps of Engineers proposes that 18,730 acre-feet (AF) of water in Greers Ferry Lake be reallocated from flood control storage to water supply storage to satisfy the municipal and industrial water supply needs of MAWA. Of that total, 174.0 AF of storage represents dependable yield mitigation storage (DYMS) required to provide constant yields for existing users. Additionally, it is proposed that 33,303 AF of storage in Lake Ouachita be reallocated from flood control to water supply storage to satisfy water supply needs of MAWA. Of that total, 122.0 AF of storage represents dependable yield mitigation storage (DYMS) required to provide constant yields for existing users.

**ALTERNATIVES.** In addition to the Proposed Action (reallocation from the flood control pool), reallocation of storage from the conservation pool was considered, as well as the No Action alternative:

**Reallocation from the conservation pool (Alternative 2):** Under this alternative, water supply storage would be reallocated from the conservation (hydropower) pool, causing both a reduction in existing storage and a reduction in yield for hydropower.

**No Action (Alternative 3):** This alternative consists of no change in the current water allocation. No water would be allocated for water supply to meet the needs of MAWA. Existing users in MAWA would be forced to find alternate water supplies for municipal and industrial needs.

### **ANTICIPATED ENVIRONMENTAL IMPACTS:**

Consideration of the effects disclosed in the EA, and a finding that they are not significant, is necessary in order to prepare a FONSI. This determination of significance is required by 40 CFR 1508.13. Additionally, 40 CFR 1508.27 defines significance at it relates to consideration of environmental effects of a direct, indirect or cumulative nature.

Criteria that must be considered in making this finding are addressed below, in terms of both context and intensity. The significance of both short and long term effects must be viewed in several contexts: society as a whole (human, national); the affected region; the affected interests; and the locality. The context for this determination is primarily local, as shown in Figures 1 and 2 of the EA. The context for this action is not highly significant geographically, nor is it controversial in any significant way. Consideration of intensity refers to the magnitude and intensity of impact, where impacts may be both beneficial and adverse. Within this context, the

magnitude and intensity of impacts resulting from this decision are not significant. The determination for each impact topic is listed below:

1. **The degree to which the action results in both beneficial and adverse effects. A significant effect may exist even if the Federal agency believes that on balance the effect will be beneficial.** The EA indicates that there will be beneficial effects such as the availability of increased water supply to meet municipal and industrial needs of the region served by MAWA until the year 2025, as well as adverse construction related effects from implementation of Alternative 1 (Proposed Action), but these will be minor in intensity and construction related only.
2. **The degree to which the action affects public health or safety.** No adverse effects to public health or safety will result from the Proposed Action. Under existing conditions, no significant amounts of hazardous materials are identified in the immediate area of the Proposed Action. Implementing the Proposed Action would not create hazardous conditions affecting public health or safety.
3. **The degree to which the action affects unique characteristics of the potentially affected area, such as proximity to historic or cultural resources, park lands, prime farmlands, wetlands, wild and scenic rivers, or ecologically critical areas.** No such unique characteristics or resources have been identified in the project area. Coordination with the State Historic Preservation Officer indicates that proper monitoring during the construction of the new raw water intake and pipeline at Lake Ouachita should be implemented during construction.
4. **The degree to which effects on the quality of the human environment are likely to be highly controversial.** The project will benefit the public, therefore the Little Rock District, Corps of Engineers does not regard this activity as controversial, and the expected public response to the EA should confirm this.
5. **The degree to which the possible effects on the human environment are highly uncertain or involve unique or unknown risks.** Reallocation of water supply from these two lakes has occurred several times in the past. Although this reallocation is one of the larger ones, there is no uncertainty involving the impacts or risks of this action.
6. **The degree to which the action may establish a precedent for future actions with significant impacts.** The reallocation of water supply storage at Greers Ferry Lake and Lake Ouachita is situation specific and will not establish any precedent for future action that has significant impacts.
7. **Whether the action is related to other actions with individually insignificant but cumulatively significant impacts.** Cumulative effects analyses for the physical and biological resources that would potentially be affected are present in the EA. Cumulative effects on these resources focus on disturbed soils, vegetation



loss, habitat loss, or other impacts relating to construction activities involved in the Proposed Action. The Proposed Action would not result in any cumulative impacts in regard to any reasonably foreseeable action in the project area.

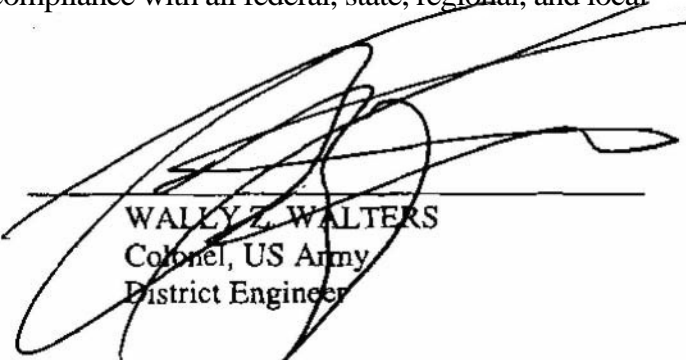
8. **The degree to which the action may adversely affect items listed or eligible for listing in the National Register of Historic Places, or other significant scientific, cultural or historic resources.** As previously state in Item 3 above, no known historic structures or archaeological sites would be affected by the Proposed Action. Proper monitoring during the construction of the pump station and pipeline should ensure that work is stopped and the SHPO notified should any such sites be discovered.
9. **The degree to which the action may adversely affect an endangered or threatened species or its critical habitat.** As disclosed in the EA, Section 4.4.3, coordination with the USFWS indicates that no T&E species are anticipated to be impacted by the Proposed Action
10. **Whether the action threatens a violation of Federal, State or local law or requirements imposed for the protection of the environment.** No such violations will occur. Any permits from jurisdictional agencies or authorities that are identified as needed for the construction of the pump station and pipeline at Lake Ouachita will be obtained prior to any construction activities. Continued coordination with regulatory agencies will be ongoing to ensure compliance with all federal, state, regional, and local regulations and guidelines

## CONCLUSIONS:

The impacts identified in the prepared EA have been thoroughly discussed and assessed. No impacts identified in the EA would cause any significant adverse effects to the human environment. Therefore, due to the analysis presented in the EA and comments received from a 30-day public review period that began on August 24, 2006 and ended on October 25, 2006, it is my decision that the preparation of an Environmental Impact Statement (EIS) as required by the National Environmental Policy Act (NEPA) is unwarranted and a "Finding of No Significant Impact" (FONSI) is appropriate. The signing of this document indicates the Corps final decision of the proposed action as it relates to NEPA. The EA and FONSI will be held on file in the Planning and Environmental Office for future reference. Consultation with regulatory agencies will be ongoing to ensure compliance with all federal, state, regional, and local regulations and guidelines.

Date

26 June 2007

  
WALLY Z. WALTERS  
Colonel, US Army  
District Engineer

FONSI-3



# **EXECUTIVE SUMMARY**

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## EXECUTIVE SUMMARY

The Mid-Arkansas Water Alliance (MAWA), in conjunction with the U.S. Army Corps of Engineers (USACE), has evaluated future water needs of central Arkansas and identified sources to meet those needs through the year 2050. The group decided that the best alternative for obtaining water for central Arkansas would be to purchase the remaining USACE discretionary storage in Greers Ferry Lake and Lake Ouachita. In August 2006, the USACE completed the *Draft Greers Ferry Lake and Ouachita Lake, Arkansas, Water Supply Reallocation Report for MAWA*, of which this EA is a component. This study revised the water needs and sources projection for central Arkansas from the year 2050 to the year 2025.

The Greers Ferry Dam is located on the Little Red River about two miles northeast of Heber Springs, Arkansas. The lake area contains over 30,000 acres of water surface and extends in a westerly direction upstream from the dam approximately 25 miles into Cleburne and Van Buren counties, Arkansas. Lake Ouachita is located on the Ouachita River within the eastern boundary of the Ouachita Nation Forest in Garland and Montgomery counties, Arkansas. The surface acreage averages from approximately 40,000 to 48,000 acres throughout the year, and surface elevations fluctuate approximately 9 feet each year because of lake operations for flood control and hydropower generation.

It is proposed that 18,730 acre-feet (AF) of storage in Greers Ferry Lake and 33,303 AF of storage in Lake Ouachita be reallocated from flood control to water supply storage to satisfy the municipal and industrial water supply needs of MAWA. The proposed storage reallocation will change the Greers Ferry Lake project by raising the conservation pool by 0.6 feet (to 462.04 feet), providing a safe yield of 15.0 million gallons per day (mgd). The Lake Ouachita project would be changed by raising the conservation pool by 0.82 feet (to 578.98 feet), providing a safe yield of 20.0 mgd. Additionally, a new water intake structure, pump station, and pipeline are proposed for construction on Lake Ouachita to serve the City of Hot Springs, Arkansas.

Consideration was given to alternatives such as water withdrawal from groundwater, existing surface water sources, streams, and construction of a new water supply lake. These alternatives were not viable either economically or environmentally and would not meet the needs of the sponsor.

Although the proposed projects involve raising the conservation pools at each lake, the lake elevations would not change perceptibly due to the operation of the reservoirs for flood control, hydropower, and other purposes, including withdrawals for water supply. No significant impacts to land use, water resources, cultural resources, biological resources, hazardous, toxic and radioactive waste, air quality, noise quality, or recreation are anticipated as a result of the proposed action. The proposed action would have a slight flood damage benefit reduction, but that reduction is not substantial when the existing current reductions are considered. There have been no significant impacts to the human environment identified from this assessment due to the proposed action.



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# **ENVIRONMENTAL ASSESSMENT**

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## 1.0 INTRODUCTION

### 1.1 SCOPE AND PURPOSE OF THE PROPOSED ACTION

A U.S. Army Corps of Engineers (USACE) report, *The Mid-Arkansas Water Resource Study*, was completed in November 2002 for the Mid-Arkansas Water Discussion Group to evaluate future water needs of central Arkansas and identify sources to meet those needs through the year 2050. Based upon the results of this study, the group decided that the best alternative for obtaining water for the central Arkansas area south of the Arkansas River would be to purchase the remaining USACE discretionary storage in Greers Ferry Lake and Lake Ouachita.

On April 4, 2003, the Mid-Arkansas Water Discussion Group evolved into the Mid-Arkansas Water Alliance (MAWA) and was incorporated. MAWA is comprised of eight counties in the central Arkansas area. A letter requesting the purchase of the remaining discretionary storage in Greers Ferry Lake and Lake Ouachita was submitted to the Little Rock District on 18 April 2003 by MAWA. The Little Rock District, USACE conducted water reallocation studies for Greers Ferry Lake and Lake Ouachita.

Several entities that currently use surface water as their supply for drinking water have joined MAWA because their current supplies may not meet their demand through 2050. These include Central Arkansas Water (lakes Winona and Maumelle), City of Conway and Conway County (Lake James H. Brewer), Benton (North Fork of the Saline River and Lake Norrell), Hot Springs Village (Middle Fork of Saline River and Lake Lago), Hot Springs at Lake Hamilton, Perryville on Cedar Lake and Fourche LaFave, Community Water System and Heber Springs Water Utilities on Greers Ferry, and Paron-Owensville on Lake Ouachita (through North Garland). All other water supply for MAWA members comes from groundwater. Based upon the November 2002 Mid-Arkansas Water Resource Study, the most economical option for meeting the future water needs of MAWA would be to reallocate storage in Greers Ferry Lake and Lake Ouachita.

In August 2006, the USACE, Little Rock District, completed the Draft Greers Ferry Lake and Ouachita Lake, Arkansas, Water Supply Reallocation Report for MAWA, of which this EA is a component. This study revised the water needs and sources projection for central Arkansas from the year 2050 to the year 2025.

This EA addresses the reallocation of water supply storage to meet needs until 2025 and was prepared pursuant to the National Environmental Policy Act (NEPA), Council for Environmental Quality (CEQ) regulations implementing NEPA (40 CFR, 1500-1517), and Corps of Engineers Regulation ER 200-2-2 Policy and Procedures for Implementing NEPA (33 CFR, 230). The EA was prepared to describe existing conditions and evaluate potential impacts associated with the Proposed Action and alternatives.

## 1.2 PROJECT LOCATION

### 1.2.1 Greers Ferry Lake

The Greers Ferry Dam is located at river mile 79.0 on the Little Red River, a tributary of the White River, and is about two miles northeast of Heber Springs, Arkansas, about 50 air miles northeast of Little Rock, Arkansas, and about 115 air miles northwest of Memphis, Tennessee. The lake area contains over 30,000 acres of water surface and extends in a westerly direction upstream from the dam approximately 25 miles into Cleburne and Van Buren counties, Arkansas (see Figure 1).

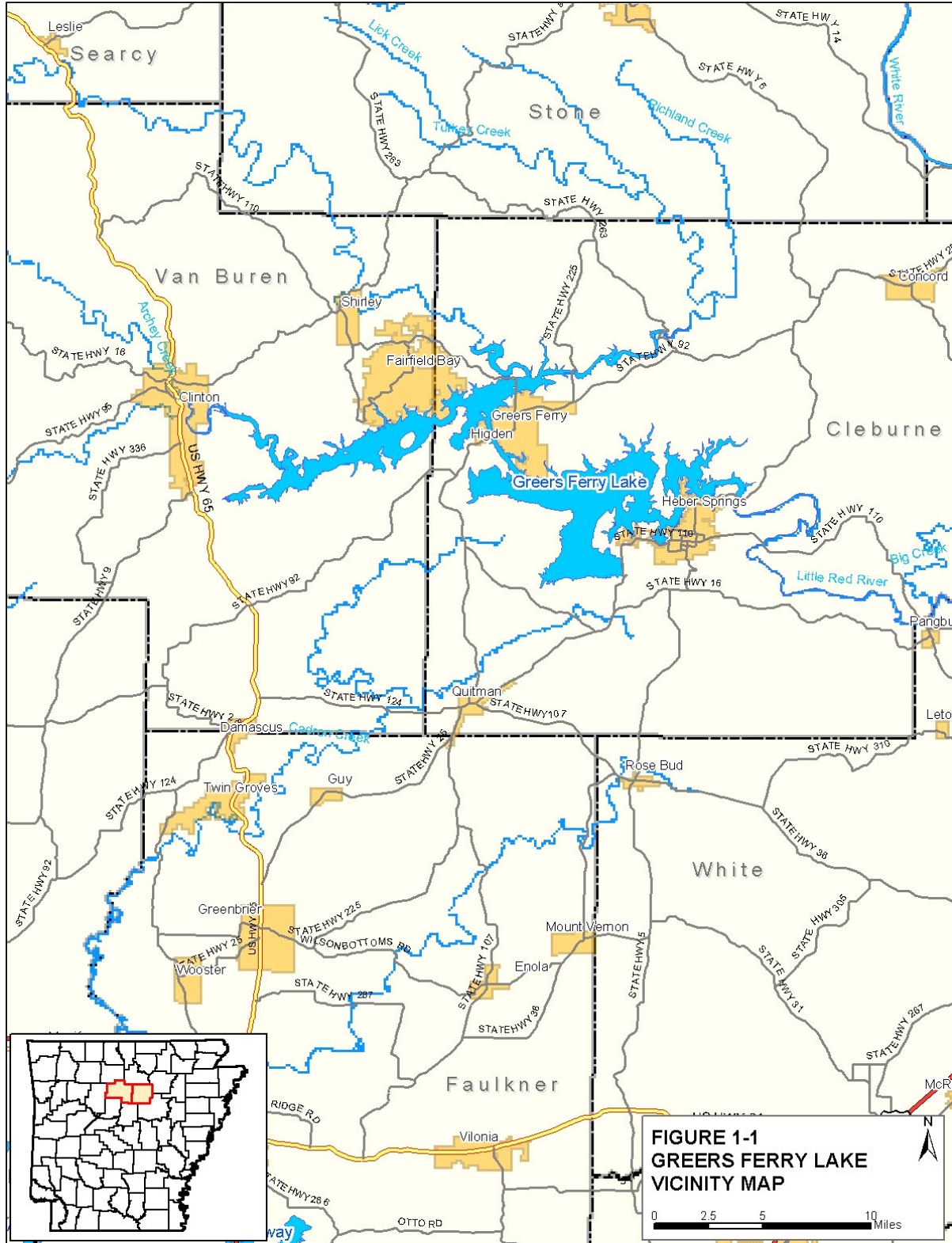
Greers Ferry Lake is nestled in the eastern foothills of the Arkansas Ozarks. The lake is actually two bodies of water, one lying north of the other and connected at the middle by a quarter mile wide channel called the "Narrows." The surrounding terrain is rocky and rugged with vertical changes in elevation of more than 600 feet. The 276 miles of shoreline lie within Cleburne and Van Buren counties and the perimeter of the lake is almost entirely wooded with a cover of mixed shortleaf pine and upland hardwoods. Over the 42-year history of the lake, water levels have fluctuated annually an average of 17.17 feet.

Three major tributaries of the Little Red River comprise the water source for Greers Ferry Lake. Two of these tributaries, the Devils Fork of the Little Red River and the Middle Fork of the Little Red River, are rapid flowing and provide excellent floating recreation above the area of impoundment.

Greers Ferry Lake is the eastern-most major impoundment of water in Arkansas. It has a 150-highway mile zone of influence, which draws a major portion of the lake's visitors from eastern Arkansas and western Tennessee.

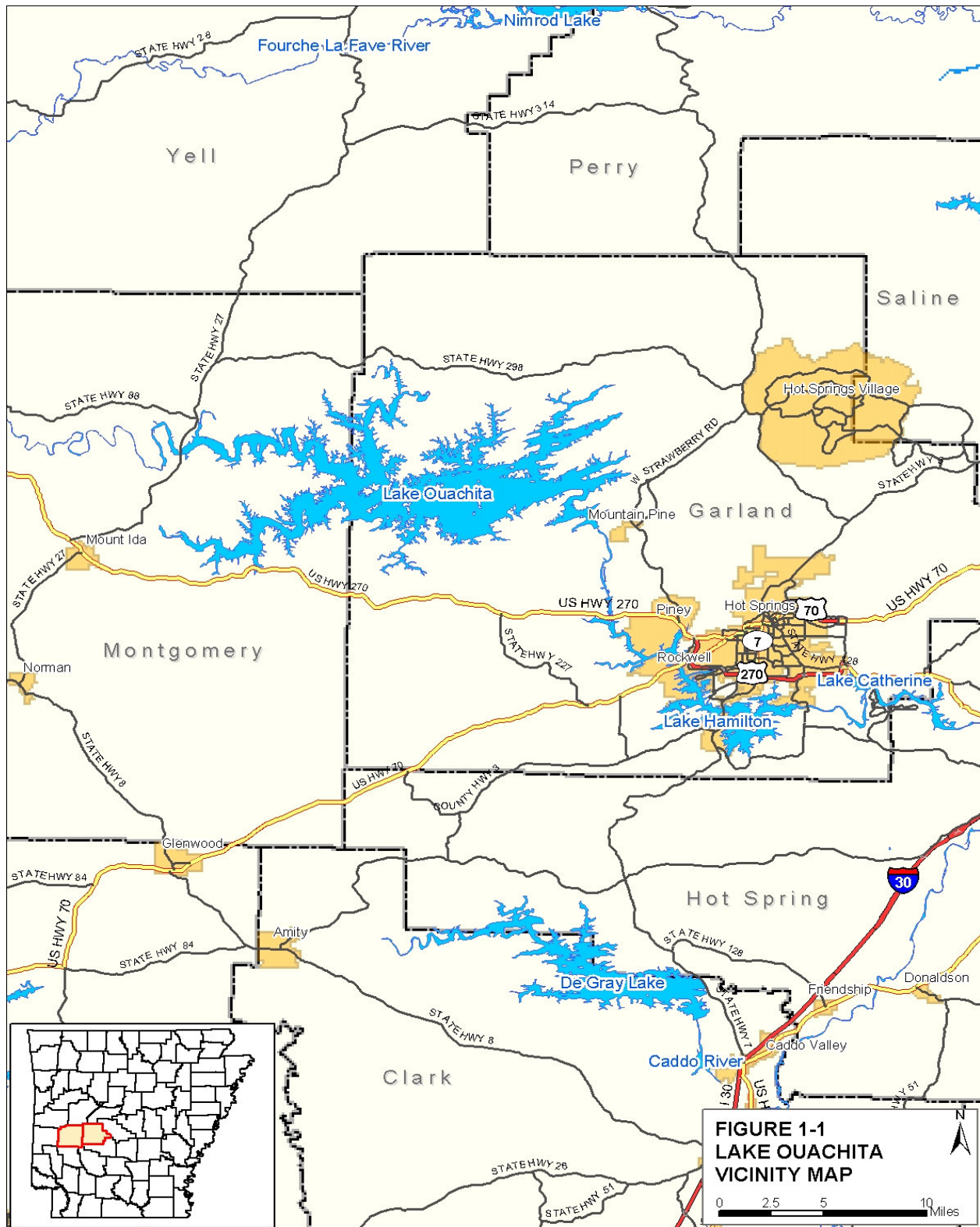
### 1.2.2 Lake Ouachita

Lake Ouachita is located on the Ouachita River within the eastern boundary of the Ouachita Nation Forest in Garland and Montgomery counties, Arkansas (see Figure 2). The dam, known as Blakely Mountain Dam, is located 13 miles northwest of Hot Springs, Arkansas. The lake is the largest lake in Arkansas, extending approximately 35 miles along the old Ouachita River channel. The lake contains an average of 1,000,000 acre-feet (AF) of water storage. The surface acreage averages from approximately 40,000 to 48,000 acres throughout the year and surface elevations fluctuate approximately 9 feet each year. These fluctuations result from lake operations for flood control and hydropower generation.



Source: USACE, 2006.

Figure 1. Greers Ferry Lake and Surrounding Communities



Source: USACE, 2006.

**Figure 2. Lake Ouachita and Surrounding Communities**

### 1.3 ENVIRONMENTAL COMPLIANCE

Table 1 presents amplifying information on the environmental compliance of the proposed project.

**Table 1. Status of Project with Applicable Laws and Statutes**

<b>Item</b>	<b>Compliance</b>
<b><u>Federal Statutes</u></b>	
Archaeological and Historic Preservation Act, as amended, 16 U.S.C. 469, <i>et seq.</i>	Full
Clean Air Act of 1977, as amended, 42 U.S.C. 7609, <i>et seq.</i>	Full
Clean Water Act, as amended, (Federal Water Pollution Control Act) 33 U.S.C. 1251, <i>et seq.</i>	Full
Coastal Zone Management Act, 16 U.S.C. 1451, <i>et seq.</i>	N/A
Endangered Species Act, 16 U.S.C. 1531, <i>et seq.</i>	Full
Estuary Protection Act, 16 U.S.C. 1221, <i>et seq.</i>	N/A
Federal Water Project Recreation Act, 16 U.S.C. 460-12, <i>et seq.</i>	Full
Fish and Wildlife Coordination Act, 16 U.S.C. 661, <i>et seq.</i>	Full
Land and Water Conservation Fund Act, 16 U.S.C. 460/ -460/-11, <i>et seq.</i>	N/A
Marine Protection, Research and Sanctuary Act, 33 U.S.C. 1401, <i>et seq.</i>	N/A
National Environmental Policy Act, 42 U.S.C. 4321, <i>et seq.</i>	Full
National Historic Preservation Act, 16 U.S.C. 470a, <i>et seq.</i>	Full
Rivers and Harbor Act, 33 U.S.C. 401, <i>et seq.</i>	N/A
Watershed Protection and Flood Prevention Act, 16 U.S.C. 1001, <i>et seq.</i>	N/A
Wild and Scenic Rivers Act, 16 U.S.C. 1271, <i>et seq.</i>	Full
<b><u>Executive Orders, Memorandums, etc.</u></b>	
Executive Order 11988, Floodplain Management, May 24, 1977 (42 CFR 26951; May 25, 1977)	Full
Executive Order 11990, Protection of Wetlands, May 24, 1977 (42 CFR 26961; May 25, 1977)	Full
Council on Environmental Quality Memorandum of August 11, 1980: Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing the National Environmental Policy Act.	Full
Executive Order 12114, Environmental Effects Abroad of Major Federal Actions.	N/A
<b><u>State and Local Policies</u></b>	
Arkansas Water Quality Standards	Full

**Notes:**

Full Compliance (Full): Having met all requirements of the statute, E.O. or other environmental requirements for the current stage of planning.

Ongoing: Coordination ongoing, and should be completed prior to signature of FONSI.

Not Applicable (N/A): No requirements for the statute, E.O. or other environmental requirement for the current stage of planning.

## **1.4 PROJECT AUTHORITY AND REGULATORY REQUIREMENTS**

Authority for this reallocation is the Water Supply Act of 1958, as amended. This legislation directed the Assistant Secretary of the Army for Civil Works to co-operate with non-Federal interests in developing water supply sources. The water user is responsible for all costs associated with the water supply storage.

## **2.0 DESCRIPTION OF THE PROPOSED ACTION AND ALTERNATIVES**

### **2.1 GREERS FERRY LAKE**

#### **2.1.1 Description of the Proposed Action**

Based on the findings in the storage reallocation report it is proposed that 18,730 AF of storage in Greers Ferry Lake be reallocated from flood control to water supply storage to satisfy the municipal and industrial water supply needs of MAWA. Of that total, 174.0 AF of storage represents dependable yield mitigation storage (DYMS) required to provide constant yields for existing users. The proposed storage reallocation will change the Greers Ferry Lake project by raising the conservation pool by 0.6 feet (7.2 inches) (461.44 to 462.04). This reallocation would provide a safe yield of 15.0 mgd. MAWA will be required to pay to the Government a pro-rata share of the updated cost of the storage for this storage in accordance with the Water Supply Act of 1958, as amended.

#### **2.1.2 Alternatives to the Proposed Action**

Reallocation from the conservation (hydropower) pool was also considered in the alternative analysis. When storage is reallocated from the conservation pool there is no change in the yield of the pool. The reallocation is made directly from hydropower storage, causing both a reduction in existing storage and a reduction in yield for hydropower. During the drought of record, a reallocation from the conservation pool would reduce the lake level by about one foot over the period of a year.

A reallocation from the existing conservation pool for MAWA of 18,405 AF of hydropower storage to M&I water supply purposes is estimated to provide a safe yield of 15.0 mgd. The reallocation will reduce hydropower yield by 15.0 mgd and their storage by 18,405 AF.

#### **2.1.3 No-Action Alternative**

This alternative consists of no change in the current water allocation. No water would be allocated for water supply to meet the needs of MAWA. Existing users in MAWA would be forced to find alternate water supplies for M&I needs.

### **2.2 LAKE OUACHITA**

#### **2.2.1 Description of the Proposed Action**

Based on the findings in the storage reallocation report it is proposed that 33,303 AF of storage in Lake Ouachita be reallocated from flood control to water supply storage to satisfy the municipal and industrial water supply needs of MAWA. Of that total, 122.0 AF of storage represents dependable yield mitigation storage (DYMS) required to provide constant yields for existing users. The proposed storage reallocation will change the Lake Ouachita project by raising the conservation pool by 0.82 feet (9.8 inches) (578.16 to 578.98). This reallocation

would provide a safe yield of 20.0 mgd. MAWA will be required to pay to the Government a pro-rata share of the updated cost of the storage for this storage in accordance with the Water Supply Act of 1958, as amended.

As part of this proposed action for Lake Ouachita a new water intake structure, pump station and pipeline will be built on Lake Ouachita to serve the City of Hot Springs, Arkansas. The new intake structure is proposed to be built on the lake and a new raw water pipeline will connect to the Ouachita Water Treatment Facility northwest of the City of Hot Springs.

The design of the intake structure, pump station and pipeline is being performed by Garver Engineers, LLC (Garver). Four alternative locations having adequate water depths of over 100 feet have been proposed for the intake structure. Table 2 presents location information about these alternative locations.

**Table 2. Alternative Locations for Water Intake Structure at Lake Ouachita**

Alternative	Latitude	Longitude	Approximate Water Surface Elevation
Alternative Location 1	N 34° 34.84'	W 93° 11.65'	582.00 ft
Alternative Location 2	N 34° 35.36'	W 93° 11.76'	582.00 ft
Alternative Location 3	N 34° 35.64'	W 93° 12.41'	582.00 ft
Alternative Location 4	N 34° 36.01'	W 93° 11.91'	582.00 ft

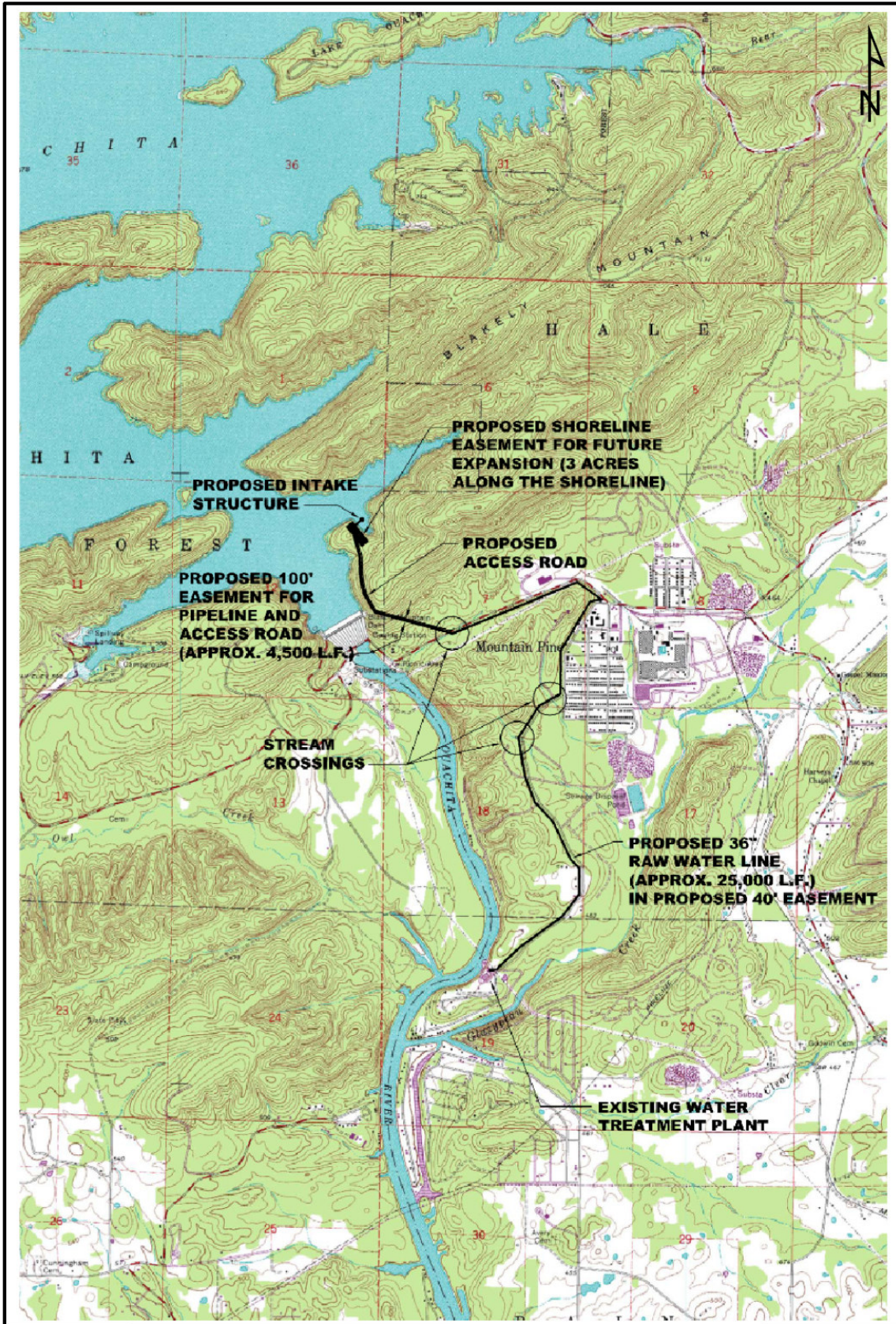
Source: Garver Engineers, 2006.

Alternative Location 1, near the Blakely Mountain Dam, has been determined to be the preferred location. The advantages of this location are its depth (approximately 130 feet) and its close proximity to the existing Ouachita Water Treatment Plant. The location is within a small cove that branches off from a larger finger that extends from the northeastern side of the main channel leading to Blakely Mountain Dam. This isolated, low traffic area near the dam offers both the most aesthetically pleasing and economic location. Figure 3 presents the most recent design layout for the preferred alternative location of the pump station on Lake Ouachita and the pipeline route to the water treatment facility.

Garver and City of Hot Springs officials conducted a site reconnaissance of all four alternative locations on 2 June 2006. The results of this reconnaissance confirmed that Alternative Location 1 is the optimal location for the proposed intake structure.

It is currently proposed that three acres along the shoreline near Blakely Mountain Dam be dedicated to the pump station site to allow for future expansion. A 100-foot easement is proposed from the pump station to an existing road leading from the dam to the community of Mountain Pine for a new access road to the pump station site and routing of a 36-inch pipeline, a distance of approximately 4,500 linear feet. From that point, a 40-foot easement is proposed for routing of the 36-inch pipeline to the existing water treatment plant, a distance of approximately





Mid-Arkansas Water Alliance  
 Water Supply Storage Reallocation Environmental Assessment  
 Lake Ouachita Proposed Pump Station and Raw Water Pipeline

Figure: 3
Date: 14 July 2006
Scale: N/A
Source: USGS/Garver Engineers
Map Author: D. Shearer, 27309/CL02

25,000 linear feet. Total length of the pipeline is approximately 29,500 linear feet or 5.6 miles. Please see Figure 3 for a topographical map with the proposed pump station and pipeline route. Designs of the intake structure and pump station and the associated pipeline are largely conceptual at present. The following is a discussion of proposed design features.

If a can-type intake is selected for construction, drilled shaft piers could provide the foundation. However, because of the hard rock bottom of Lake Ouachita, drilled piles are not a practical option for the foundation of the intake structure. If a cylindrical or cubical intake tower with inlet gates is selected, a poured concrete spread footing could serve as the foundation; this method would require the construction of a caisson. Additional geotechnical investigation and further conceptual design is necessary to finalize foundation design.

Because blasting in close proximity to Blakely Mountain Dam is impractical, a collector well intake design is not recommended for construction. An intake tower is the most practical and economical solution. The pumps must be easily accessible for removal and replacement. Various means of pump accessibility have been proposed, including the use of roof hatches for pump removal and a gantry crane for truck loading. The bridge should be designed to support truck load so that the pumps and other equipment can be easily mobilized.

Because the structure would operate under high flow, high head conditions, vertical turbine pumps are proposed. Water cooled bearing design with a prelubrication mechanism is preferred over the oil cooled bearing design. A preliminary design capacity of 30 mgd has been proposed. Four pump slots are recommended to allow one slot to be available for partner supply while leaving three slots available for the City of Hot Springs. These three slots will initially be filled by 10 mgd, 500 hp pumps, yielding a firm capacity of 20 mgd.

Variable frequency drives (VFDs) are proposed to increase bearing life, decrease maintenance, and increase energy efficiency. The VFDs would be stored in an air conditioned space on the shoreline to reduce the space and air conditioning requirement in the intake tower. Because the VFDs would be located on the shore, air conditioning is not required for the intake structure.

The use of medium voltage (4160 V) to power the large horsepower (500 hp) pumps would reduce the amount of copper and conduit required. However, any savings from this method may be negated by larger costs for VFD control of medium voltage. Further investigation is required to determine whether low voltage or medium voltage would serve best.

To conduct the 30 mgd peak flow to the Ouachita Water Treatment Plant, a minimum pipeline diameter of 36 inches is required. Because significant rock excavation would be required to trench in the 36-inch line near the lake and shore, above-ground installation is proposed for these areas. The above-ground portion of the pipeline would be constructed of restrained joint ductile iron or welded steel pipe, while ductile iron pipe would serve as the material for the traditional trenched installation. Blow-off stations or fire hydrants serving that purpose would be set at specified intervals along the transmission main. Timed automatic flushing devices may also be installed along the pipeline.

## **2.2.2 Alternatives to the Proposed Action**

Reallocation from the conservation (hydropower) pool was also considered in the alternative analysis. When storage is reallocated from the conservation pool there is no change in the yield of the pool. The reallocation is made directly from hydropower storage causing both a reduction in their storage and a reduction in yield for hydropower. During the drought of record, a reallocation from the conservation pool would reduce the lake level by about one foot over the period of a year.

A reallocation from the existing conservation pool for MAWA of 32,573 AF of hydropower storage to M&I water supply purposes is estimated to provide a safe yield of 20.0 mgd. The reallocation will reduce hydropower yield by 20.0 mgd and their storage by 32,573 AF.

### **2.2.3 No-Action Alternative**

This alternative consists of no change in the current water allocation. No water would be allocated for water supply to meet the needs of MAWA. Existing users in MAWA would be forced to find alternate water supplies for M&I needs.

## **2.3 OTHER ALTERNATIVES CONSIDERED**

A requirement of using a Government project as a water supply source is that the use of the Government project be the least cost alternative. The Draft Greers Ferry Lake and Lake Ouachita, Arkansas, Water Supply Storage Reallocation Report was completed in March 2006 for MAWA to evaluate future water needs of central Arkansas and identify sources to meet those needs through the year 2025.

In the current storage reallocation report, several alternatives for water supply have been considered. The following is a description of alternatives that were thoroughly evaluated for technical, permitting, and cost/benefit considerations, but were deemed not feasible to be implemented; consequently, these alternatives are not discussed further in this EA.

### **2.3.1 Groundwater Withdrawal**

Groundwater in central Arkansas is drawn from two aquifer systems: the alluvial aquifer system and the Mississippi Embayment aquifer system. The alluvial system consists of the Arkansas River aquifer and the more extensive Mississippi River Valley aquifer.

The Mississippi Embayment aquifer underlies the alluvial aquifers although these aquifers are connected to each other throughout eastern Arkansas. The alluvial aquifers can yield large quantities of water; properly constructed wells can yield 500 gpm almost anywhere in the system. Wells in the Mississippi River Valley system have been reported to yield as much as 5,000 gpm.

The Mississippi Embayment aquifer system is comprised of several aquifers: the Nacatoch, the Wilcox, the Sparta, and the Cockfield. The Sparta, the most productive aquifer, is capable of producing yields in excess of 1,000 gpm.

As a result of large scale groundwater withdrawals primarily for rice farming, groundwater levels in the state are declining. Declining aquifer water levels create a multitude of problems. Because of the excessive withdrawals of groundwater, the safe yield has been approached or exceeded in the alluvial and Sparta aquifers. The Arkansas Soil and Water Conservation Commission has declared these aquifers as “critical groundwater levels” due to the safe yield concerns relating to poor water quality and to saline intrusions consistent with declining groundwater levels. Several of the existing entities currently use groundwater and are already experiencing difficulty in obtaining adequate water from their sources. Therefore, additional groundwater withdrawal is not considered a viable alternative.

### **2.3.2 Stream Withdrawal**

There are no streams within the study area capable of providing enough safe yields for this purpose. The Arkansas River was briefly considered because it would be capable of serving the needs to the north and south. This alternative was eliminated because the Arkansas Department of Environmental Quality (ADEQ) has listed it as not having enough safe yield that would be available as a water supply.

### **2.3.3 New Lake and Pipeline**

The water supply needs, for about a 25 year period, could be met by constructing a new reservoir on Bull Creek. This project would have consisted of constructing a 1,000 foot long by 93 feet high by 572 foot wide earthen dam containing 370,000 cubic yards of fill material. This project would have inundated 19 miles of Bull Creek to form a 3,575 acre lake. This reservoir would have been recharged by a 50 square mile drainage area and would have had an approximate yield of 34 mgd.

This project was proposed in the early 1980s to supply water in the north central region of this study area. It was also restudied in 2002 for the Mid-Arkansas Regional Water Discussion Group. The results of both studies found that this alternative was not justifiable either economically or environmentally.

Based on the results of the evaluations described in the storage reallocation report, the three alternatives that are currently under consideration are the Proposed Action (Flood Control Storage Reallocation), Conservation (hydropower) Storage Reallocation, and the No-Action Alternative. Existing environmental conditions related to these alternatives, and the potential impacts resulting from the implementation of the Proposed Action, Conservation Storage Reallocation, and the No-Action Alternative are presented in this EA.

## **2.4 SUMMARY OF IMPACTS**

Table 3 presents a summary of impacts anticipated as a result of the alternatives considered viable for the proposed project. Refer to Section 4.0 *Environmental Consequences* for a detailed description of impacts.

**Table 3. Comparative Impacts of Alternatives**

Resource Area	Proposed Action	Alternative 2	Alternative 3
	Reallocation From Flood Control Pool	Reallocation From Conservation Pool	No Action Alternative
<b>Land Use</b>	Potential increase in urbanization due to availability of additional M&I water supply.	Potential increase in urbanization due to availability of additional M&I water supply.	No beneficial or adverse effect.
<b>Water Resources</b>	This action would raise the conservation pool approx. 1 foot. This change would not be noticeable however due to the operation of the lake (hydropower, FC, water supply). Potential increase in future water needs from potential increase in urbanization due to availability of additional M&I water supply. New water intake pump station on Lake Ouachita would withdraw an insignificant amount of water on a daily basis.	This action would reduce, to a minor amount, the quantity of water in Greers Ferry Lake. Potential increase in future water needs from potential increase in urbanization due to availability of additional M&I water supply.	Water users would have to find alternative water sources for water needs. Increased groundwater and/or stream pumping could occur to meet these needs.
<b>Cultural Resources</b>	Possibility of minor cultural resource disturbance from potential increase in urbanization due to availability of additional M&I water supply. Upon final plan development, site for new Lake Ouachita pump station and pipeline route would need survey for cultural resource impacts.	No adverse effect because no construction planned outside existing structures. Possibility of minor cultural resource disturbance from potential increase in urbanization due to availability of additional M&I water supply.	No beneficial or adverse effect.
<b>Biological Resources</b>	Possibility of minor habitat disturbance from potential increase in urbanization due to availability of additional M&I water supply. Minor aquatic habitat disturbance during construction of water intake structure on Lake Ouachita, as well as terrestrial habitat disturbances for construction of pump station and pipeline. Minor amounts of wetland may be disturbed at stream crossings of pipeline route. No protected species are anticipated to be impacted.	Possibility of minor habitat disturbance from potential increase in urbanization due to availability of additional M&I water supply.	Potential impacts to fish and wildlife resources if users pump from stressed water resources.
<b>HTRW</b>	None	None	None

**Table 3. Comparative Impacts of Alternatives (cont'd)**

Resource Area	Proposed Action	Alternative 2	Alternative 3
	Reallocation From Flood Control Pool	Reallocation From Conservation Pool	No Action Alternative
<b>Air Quality</b>	An insignificant increase in air emissions due to the additional thermal generation of electricity because a slight quantity of hydropower electricity would not be available.	An insignificant increase in air emissions due to the additional thermal generation of electricity because a small quantity of hydropower electricity would not be available.	None
<b>Socioeconomic</b>	Loss of an insignificant amount of hydropower benefits. Additional power could be purchased from other power sources. Benefit to local growth potential because of a reliable water supply.	Loss of insignificant hydropower benefits but more than the proposed action. Additional power could be purchased from other power sources. Benefit to local growth potential because of a reliable water supply.	Loss of growth of the local community because of a limited water supply.
<b>Recreation</b>	New pump station intake on Lake Ouachita may create an insignificant exclusion zone immediately around intake.	None	None
<b>Cumulative Impacts</b>	Additional reallocations could reduce the power yield from the lake by a minor amount. This impact is regulated by the District Commander's authority over water reallocation. Potential increase in urbanization due to availability of additional M&I water supply. Construction of new water intake pump station on Lake Ouachita and pipeline for the city of Hot Springs could result in additional minor impacts to wetlands for the construction of the pipeline at stream crossings, etc., and impacts to cultural resources if such resources are located in the construction area of either the pump station or the pipeline.	Additional reallocations could reduce the power yield from the lake at a larger amount than the proposed action. This impact is regulated by the District Commander's authority over water reallocation. Potential increase in urbanization due to availability of additional M&I water supply	Continued loss of local population growth potential with the current water supply.

## **3.0 AFFECTED ENVIRONMENT**

### **3.1 GREERS FERRY LAKE**

A complete description of the project history, authorized purposes and physical features of the Greers Ferry Lake project can be found in Section A of the Water Storage Reallocation Report.

#### **3.1.1 Land Use**

Farming and timber production are the predominant land uses in the Greers Ferry zone of influence. No prime or unique farmlands (Council on Environmental Quality Memorandum of Full Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing the National Environmental Policy Act: August 11, 1980) or wild and scenic rivers (Wild and Scenic Rivers Act, 16 U.S.C. 1271, et. seq.) occur within the area of the proposed action.

#### **3.1.2 Climate**

In general the climate is moderate with an average mean annual temperature of 60 degrees Fahrenheit. Short periods of cold weather during the winter months and high temperatures in the summer are experienced. The average annual rainfall is about 50 inches, with most of the precipitation occurring during the winter and spring seasons.

#### **3.1.3 Topography, Physiography and Soils**

The project is located in the foothills of the Ozark Mountains, a popular vacation and retirement area. The lake is irregular in shape with numerous arms and coves. Steep bluff formations on both sides of the central portion of the lake confine the water to a straight channel, dividing the lake essentially in half. The area is generally wooded and rugged with interesting geologic formations overlooking the lake.

Greers Ferry Lake is located entirely within the outcrop area of the Hale Formation. The rock strata in this formation are principally sandstone, shale, sandy shale, and shaley sandstone. Except in the active flood plain of the river, where soils consist of alluvial silts and sands, overburden is derived from the in-place weathering of the underlying rock strata. Soils formed in this manner vary from clay to sandy silt, dependent on the nature and characteristics of the parent rock. Where bedrock is sandstone, the soil mantle formed will consist of sandy silt containing fragments of sandstone and will range from 0 to 5 feet in thickness. Where bedrock is shale, the soil mantle is principally clayey and contains few rock fragments. Thickness in these areas varies from 4 feet to as much as 20 feet, depending on the depth to which weathering has been active. The rock-like characteristics of the overburden in these areas become more pronounced with depth, reflecting the gradational change from soil to rock. Soils in some areas contain varying amounts of detrital, or washed-in materials, the amount and nature of which are controlled by the topography of the area.

Coordination has been initiated with the Natural Resources Conservation Service (NRCS) regarding potential impacts to rare or unique soils (including Prime Farmland) in the project area resulting from implementation of the proposed project. In a letter dated 11 May 2006 the NRCS

stated that it had no concerns about the proposed project at Greers Ferry Lake. Agency coordination is included in Appendix A.

### 3.1.4 Water Resources

At the top of the conservation pool, elevation 461.44 ft. Mean Sea Level (msl), the lake has a surface area of 31,580 acres and a shoreline length of 276 miles. At the top of the flood pool, elevation 487 ft. msl, it has a surface area of 40,480 acres. The lake surface has an average annual fluctuation of 17.2 feet, due to normal operation of the lake for flood control and hydropower generation. The lake is fed by the Middle Fork, Devils Fork and South Fork of the Little Red River and by numerous clear water creeks.

The upper Little Red River and its tributaries upstream of the dam are not generally subject to pollution by industrial or municipal waste. However, the South Fork arm of the lake is subject to pollution from municipal sewage and chicken processing plants. Proper treatment systems can prevent this pollution. The stream is clear except for brief periods immediately following heavy rains. Runoff from the rough, steeply rolling watershed is very rapid until it reaches the relatively flat lands of the river valley.

To fully understand the water resources of Greers Ferry Lake as they relate to this proposed action, a summary of the existing water allocations is necessary. The following paragraphs briefly describe the existing water allocations located on Greers Ferry Lake.

The initial water supply agreement with the Community Water System was approved by the Assistant Secretary of the Army for Civil Works on 29 April 1971. The agreement provided that the user shall have the right to utilize 0.0314 percent of the storage space in the project between elevations 461 and 435 feet above National Geodetic Vertical Datum (NGVD), estimated to be 225 AF. Current yield calculations indicate that 229 AF of storage will provide 0.185 mgd (Appendix A, Water Supply Storage Reallocation Report).

A water supply agreement with the Community Water System (CWS) was approved by the Assistant Secretary of the Army for Civil Works on 17 February 1995. This second agreement with CWS provided that the user shall have the right to utilize 0.524 percent of the storage space in the project between elevations 461.19 and 435.0, estimated to be 3,818.8 AF, of which 3,787.7 AF is exclusively for CWS and 31.1 AF is to maintain the yield of other municipal and industrial (M&I) water supply users (Appendix A, Water Supply Storage Reallocation Report). This storage to maintain the yield of other users, or DYMS, is a result of reallocations occurring after an agreement is signed that results in a lower storage yield (more acre-feet to yield the same flow); i.e., as the lake is enlarged the limited inflow is apportioned among more users. This reallocation of flood control storage to conservation storage for water supply use brought CWS's total storage to 4,047.8 AF (Appendix A, Water Supply Storage Reallocation Report).

CWS has signed a third reallocation agreement in September 1998 for storage in Greers Ferry Lake to provide for the expansion of their facilities to serve parts of White and Lonoke counties. Their desired yield was 3.5 mgd or 4,329.7 AF of storage; 4,294.4 AF for CWS and 35.3 AF for DYMS (Appendix A, Water Supply Storage Reallocation Report). This amount of storage is 0.59 percent of the usable storage between elevations 461.26 and 435.0. According to data



provided in Appendix A of the Water Supply Storage Reallocation Report, reallocations of storage for water supply use bring CWS's total storage to 8,377.4 AF.

An initial water supply agreement with the city of Clinton, Arkansas was approved by the Assistant Secretary of the Army for Civil Works on 4 November 1970. The agreement provided that the user shall have the right to utilize 0.126 percent of the storage space in the project between elevations 461 and 435, estimated to be 913 AF (Appendix A, Water Supply Storage Reallocation Report).

Red Apple Inn and Country Club (RAICC): The Little Rock District Engineer executed a water supply agreement with the RAICC on 17 June 1996. The agreement provided that the user shall have the right to utilize 65.6 AF or 0.004 percent of the usable storage space in the Greers Ferry Lake project between elevation 435.00 and 487.00 (Appendix A, Water Supply Storage Reallocation Report).

Thunderbird Country Club, Incorporated (TCC): TCC signed a water supply agreement for 55.7 AF on 10 March 1998 (Appendix A, Water Supply Storage Reallocation Report).

Silver Ridge Development, Incorporated (SRD): SRD signed a water supply agreement for 90.306 AF on 14 November 1998. This storage provided 89.57 AF for SRD's use and 0.736 AF for DYMS (Appendix A, Water Supply Storage Reallocation Report).

Relocation Contract with Heber Springs: Construction of the Greers Ferry Project, which was completed in 1964, inundated the water intake structure of the city of Heber Springs. Under Contract DA-03-CIVENG-59-184, the city's 0.835-mgd water supply pump station was relocated from the bank of the Little Red River to a point above elevation 491 to allow for construction of the project. A provision of the relocation contract allows Heber Springs to perpetually withdraw 0.835 mgd without additional cost to the city. The relocation contract did not specify a storage amount, but subsequent computations have determined the required storage for this yield is 1,033 AF (Appendix A, Water Supply Storage Reallocation Report).

In total, the USACE has reallocated 16,136 AF within its authority and 4,550 AF by direction of Congress for M&I under supply storage at Greers Ferry Lake. Since Congressional reallocations do not reduce the USACE's discretionary authority, 18,730 AF would be available to MAWA to help meet the needs of central Arkansas through the year 2025. The reallocation request by MAWA for 18,730 AF would leave the Corps 15,134 AF of discretionary authority storage in Greers Ferry Lake.

At the time of this writing, two requests are being prepared or pending approval for reallocation from storage in Greers Ferry Lake (see Appendix A, Water Supply Storage Reallocation Report):

1. City of Heber Springs (Congressional reallocation of 3,525.1 AF); and
2. Searcy County Regional Water District (discretionary authority reallocation of 5,000 AF).

### 3.1.5 Cultural Resources

Cultural resource investigations have been performed on Greers Ferry Lake since the early 1950s. These investigations have included both small and large-scale surveys as well as major excavations. As a result, the archeological data related to the history of the Little Red River basin in the Ozark Mountains has been greatly increased. However, much information remains undocumented. Future investigations will be directed toward the collection of new data. Much of the area directly involved in the proposed action received cultural resource investigations in 1982. One archeological site was found but it was determined to lack sufficient scientific value for inclusion on the National Register of Historic Places.

Coordination has been initiated with the Arkansas State Historic Preservation Office (SHPO) regarding potential impacts cultural resources in the project area resulting from implementation of the proposed project. In a letter dated 10 May 2006, the SHPO responded that the agency had no objection to the proposed project at Greers Ferry Lake. Agency coordination is included in Appendix A.

### 3.1.6 Biological Resources

#### 3.1.6.1 Vegetation

The Greers Ferry Lake area is an excellent example of the typical Arkansas Hill Country. The major forest types are the upland hardwood and shortleaf pine associations. The upland hardwood and shortleaf pine associations can partially be attributed to the physiographic variations from stream and river valleys to the steep, rocky slopes and benches created in the flood plain. The vegetation can be classified by its location within these variations. The shortleaf pine-oak-hickory association will be more prominent on the mountainous, rocky slopes, while the maple-sycamore-gum association will be found on the lower benches and stream valleys.

Some mention should be made of the typical understory associated with the upland hardwood and shortleaf pine forests. The downy serviceberry (*Amelanchier arborea*) will be found in common association with the white, red and chinkapin oaks and upland hickories. The pawpaw (*Asimina triloba*) is a typical understory tree commonly found in stands of oak, maple, and hickory in most areas. The hawthorn (*Crataegus species*) adapts to diverse environs. It can be found in the wet forest flood plains to the exposed, rocky slopes. The sassafras (*Sassafras albidum*) is similar to the hawthorn in that it has a diverse growth range, but will mostly be found in the areas with rich, moist soil. Southern wax myrtle (*Myrica cerifera*) is a common semi-evergreen shrub found mostly along the stream banks and marsh areas.

Bottomland hardwoods are not a major forest association in the area, although the formation of Greers Ferry Lake has created a microenvironment that supports species of this forest association. Vegetative species common to bottomland hardwoods have become prominent along the coves and tributaries of the lake margin. Blackgum (*Nyssa sylvatica*), sweetgum (*Liquidambar styraciflua*), black willow (*Salix nigra*), and American sycamore (*Platanus occidentalis*) have become the dominant species along the lake margin because of the fluctuation of the holding pool. A typical characteristic of the bottomland hardwood association is their

ability to survive saturation or flooding of the root systems 10 to 20 percent of the time. The above mentioned species also can be expected to occur along the small streams of the area.

### 3.1.6.2 Fish and Wildlife

The segment of the Little Red River inundated by the impoundment area was frequently subject to near cessation of flows during dry periods; and for this reason, it was less attractive for fishing than the other major streams in the White River Basin. However, on a seasonal basis, usually during each spring and fall, fishing success was good and the stream was considered locally as a good fishing stream. Important game fish species present in the streams in the lake area were smallmouth, largemouth and spotted bass, walleye, sunfish, and channel catfish. All of these species have thrived in the impoundment. In addition, white bass and crappie have now become important. The Arkansas Game and Fish Commission has stocked the lake with populations of walleye, Florida bass, rainbow and lake trout. Commercial fishing is not permitted on the lake.

The tailwater below the dam has become habitat for trout caught on rod and reel. The U. S. Fish and Wildlife Service (USFWS) operates a trout hatchery immediately below the Greers Ferry Dam.

The large natural areas in the project area provide abundant habitat for a variety of species. Black bears are the dominant predators in the project area, and coyotes, raccoon, opossum, squirrels, and other mammals are found throughout natural areas in the vicinity of the lake. Migratory waterfowl, including mallards, wood ducks, and geese, use the lake seasonally. A population of Canada geese utilizes the lake as a year-round habitat. Songbirds and wading birds are also found in the project area.

Hunting is popular in this general area. Important game species include deer, squirrels, turkey, quail, doves, rabbits, and fur bearers. There is intense interest in fox hunting for recreation. The rugged topography, with resultant pattern of small farms and extensive forest areas, provides excellent habitat for forest and upland game. With the exception of hunting opportunities for migratory waterfowl, which have been substantially increased by the project, other types of hunting opportunities have been slightly reduced to some extent due to inundation of land.

### 3.1.6.3 Threatened and Endangered Species

An analysis of potential impacts on threatened and endangered species and biological resources within the vicinity of the proposed action is included pursuant to the requirements of the NEPA of 1969, 42 U.S.C. section 4321, *et seq.* Additional jurisprudence includes the Endangered Species Act of 1973 (PL 93-205; 16 U.S.C. 1531 *et seq.*, as amended); the Fish and Wildlife Conservation Act of 1958 (PL 85-624; 16 U.S.C. 661 *et seq.*); and Article VI of the U.S. Constitution.

Table 4 provides amplifying information about federally listed species in the Greers Ferry Lake project area.

#### **Table 4. Federally Listed Species for the Greers Ferry Lake Project Area**

Common Name	Scientific Name	Status	Occurrence
Fat pocketbook	<i>Potamilus capax</i>	E	Statewide
Bald eagle	<i>Haliaeetus leucocephalus</i>	T	Cleburne and Van Buren
Gray bat	<i>Myotis grisescens</i>	E	Van Buren
Speckled pocketbook	<i>Lampsilis streckeri</i>	E	Van Buren

Source: USFWS, 1997.

The fat pocketbook mussel is found primarily in river systems in the midwestern and southeastern United States. The species inhabits slow-moving waterbodies with a mud or sand substrate. The specific food habits of the species are unknown, but other juvenile and adult freshwater mussels have been documented to feed on detritus, diatoms, phytoplankton, and zooplankton. Navigation and flood control projects have resulted in severe population declines in recent decades. Primary threats to the species are dredging operations and water impoundments.

The bald eagle is found throughout North America. The species primarily inhabits forests adjacent to significant waterbodies (e.g., coastal areas, bays, rivers, and lakes). Bald eagles suffered substantial population declines in the 20<sup>th</sup> century primarily from pesticide contamination. Conservation efforts have resulted in an increase in population to the point where the species is no longer threatened with extinction in the lower 48 states. However, the species is sensitive to habitat loss, biocide contamination, and illegal shooting. Wintering bald eagles may occasionally be seen on Greers Ferry Lake. Two eagle nests have been documented in the vicinity of Greers Ferry Lake.

The gray bat is found primarily in the Central United States, but a few populations occur in the Southeast and Midwest. Gray bat colonies are restricted entirely to caves or cave-like habitats. During summer the bats are highly selective for caves providing specific temperature and roost conditions. Little is known about the actual feeding habits of gray bats. However, limited observations indicate that the majority of insects eaten are aquatic species, particularly mayflies. Primary threats to the species are human disturbance and vandalism of host caves. No gray bat colonies have been reported within a mile of Greers Ferry Lake.

The speckled pocketbook is found only in the Middle Fork of the Little Red River watershed in Van Buren and Stone counties. The species' entire range is encompassed by approximately nine miles of the Middle Fork of the Little Red River from Greers Ferry Lake upstream to the confluence with Meadow Creek. The species is intolerant of still water, and the impoundment of the Little Red River to create Greers Ferry Lake resulted in the elimination of significant species habitat. Primary threats to the species are hazardous material spills within the Little Red River watershed, channelization projects, and turbidity and pollution from gravel mining and poor land use practices.

Coordination has been initiated with the USFWS and the Arkansas Game and Fish Commission (AGFC) regarding potential impacts to threatened and endangered species in the project area resulting from implementation of the proposed project. In a letter dated 26 April 2006, the

AGFC indicated that it had no objections to the proposed project at Greers Ferry Lake. Agency coordination is included in Appendix A.

#### **3.1.6.4 Floodplains and Wetlands**

Wetlands are rare at Greers Ferry Lake because the steep shorelines are not conducive to wetland formation or sustenance. Nonetheless, small areas of wetlands are located in the shallow margins of Greers Ferry Lake. Lacustrine littoral wetlands (wetlands that form along lake margins) have been noted in isolated pockets along the lakeshore in some locations. The littoral zone along the lake is not well developed because the steep shoreline does not provide a large area for a transitional environment between shoreline and open-water habitat. Palustrine (inland) wetland communities are also located adjacent to lake tributaries. The majority of wetlands in the vicinity of Greers Ferry Lake are concentrated at the mouths of major tributaries on the west side of the lake. Floodplains are located along lake tributaries in the Greers Ferry Lake watershed.

Coordination has been initiated with the Federal Emergency Management Agency (FEMA) regarding potential impacts to floodplains in the project area resulting from implementation of the proposed project. In a response dated 20 April 2006, FEMA requested that the local floodplain administrator be contacted for the review and possible permit requirements for the project. Agency coordination is included in Appendix A.

#### **3.1.7 Hazardous, Toxic, and Radioactive Wastes**

Engineer Regulation 1165-2-132 provides guidelines for the reasonable identification and evaluation of all Hazardous and Toxic Radioactive Waste (HTRW) contamination within the vicinity of the proposed action. A limited HTRW investigation has been performed for the study area in general accordance with guidance from ER 1165-2-132 and the American Society for Testing and Materials (ASTM) in Standard E 1527-00. The following is a summary of the initial investigation.

The goal of this effort is to identify recognized environmental condition (REC) sites or potential REC sites in connection with the study area. This is accomplished through research and site observations to establish whether any of the following conditions exist:

1. Indications that hazardous substances or petroleum products exist, or have existed, on or adjacent to the subject property;
2. The possibility that violations of environmental regulations have occurred on the subject property;
3. The potential for spilled, leaked, disposed or otherwise released hazardous substances or petroleum products to migrate to the subject property from nearby properties containing such materials; and
4. The existence of unsafe conditions in connection with the subject property.

REC sites were evaluated for their potential to pose constraints to the project engineering design process.

An environmental database search was completed by Banks Information Solutions, Inc. (Banks). A complete copy of the environmental database report is provided in Appendix B. The environmental database report developed by Banks includes reports on each site identified with information about the cause(s) for listing and the site's current status. This information is utilized to determine which, if any, sites warrant scrutiny for the potential presence of HTRW.

Seven federal and four state databases were reviewed, including the following:

Federal Databases:

- NPL - National Priority List. The U.S. Environmental Protection Agency's (EPA) list of confirmed or proposed Superfund sites (updated April 2006).
- CERCLIS – The EPA's Comprehensive Environmental Response, Compensation and Liability Information System (updated March 2006).
- NFRAP - A CERCLIS designation indicating that to the best of the EPA's knowledge, assessment of a site has been completed and the EPA has determined no further remedial action is planned (updated March 2006).
- RCRA TSD – The EPA's list of Resource Conservation and Recovery Information System (RCRIS) - Treatment, Storage and Disposal facilities (updated April 2006).
- RCRA CORRACTS - RCRIS – The EPA's list of Corrective Action Sites (updated April 2006).
- RCRAGN - RCRIS – The EPA's list of large and small quantity hazardous waste generators (updated April 2006).
- ERNS – The EPA's list of emergency response actions (Emergency Response Notification System) (updated December 2005).

State Databases:

- STATE SITES – The ADEQ list of facilities and/or locations recognized with potential or existing environmental contamination (updated quarterly).
- SWL - Solid waste landfills and transfer stations maintained by ADEQ (updated December 2004).
- RUST - The ADEQ list of all registered underground or above storage tanks (updated May 2006).

- LUST – The ADEQ list of all leaking underground storage tanks (updated May 2006).

### **3.1.7.1 Limitations**

This limited HTRW assessment was conducted in general accordance with guidelines set forth by Part 7 of ER 1165-2-132 and ASTM Standard E 1527-00. Accordingly, no guarantee is made or intended that all site conditions were observed or that all records were reviewed.

Much of the information provided in the report was compiled from public records and other sources maintained by third parties. Although reasonable care was exercised in its preparation, the USACE cannot be held responsible for errors, omissions, or inaccurate information from third parties.

Finally, any changes in project actions from those provided the USACE may render the recommendations and conclusions presented in this report void.

### **3.1.7.2 Findings**

The results of the search for potential REC sites as outlined in the environmental database report are discussed in the following section.

#### **Environmental Database Review**

A thorough search of Federal, state, and local government environmental databases was conducted to obtain and review records and documents that would aid in identifying known or potential environmental concerns in or near the study area.

Table 5 provides the results of the search for potential REC sites listed in federal and state environmental databases as part of the environmental records review for the study area. In addition to plottable sites, a search for orphan sites was conducted. Orphan sites are sites containing insufficient location information and can only be identified as being within the same

ZIP code(s) as the property. A map of all plottable sites is presented in Figure 4. The Banks report is provided in Appendix B.

**Table 5. Environmental Database Research Results Summary for Greers Ferry Lake**

Database	Radius (mi)	Site	1/8 mile	1/4 mile	1/2 mile	>1/2 mile	Orphan	Total
NPL	1.00	---	---	---	---	---	---	---
CERCLIS	0.50	---	---	---	---		1	1
NFRAP	0.50	---	---	---			---	---
<i>RCRA:</i>								
TSD	0.50	---	---	---	1		---	1
COR	1.00	---	---	---	1	---	---	1
GEN	0.25	---	---	1			4	5
ERNS	0.15	1	---	---			2	3
<i>State:</i>								
State Sites	1.00	---	---	---	---	---	---	---
SWL	0.50	---	---	---	---		1	1
RUST	0.25	3	5	3			20	31
LUST	0.50	3	1	---	---		---	4
<i>Totals</i>	---	7	6	4	2	---	28	47
Notes: --- indicates no sites/items were found. LUST and UST values represent facilities, some of which contain multiple tanks. Some sites are listed in multiple databases. Shaded areas indicate search not required per ASTM Standard E1527-00.								

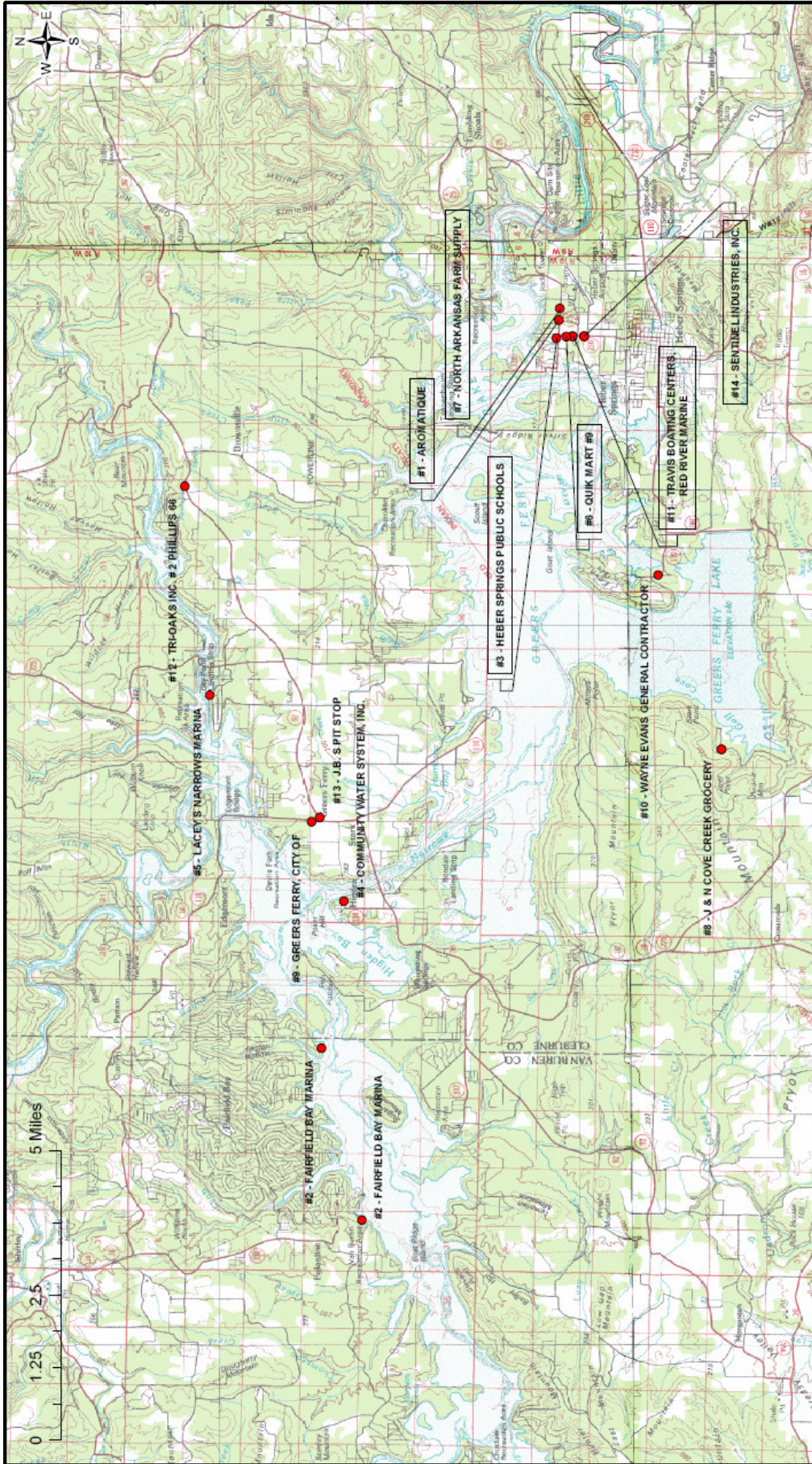
Source: Banks Information Solutions, Inc., 2006.

**National Priorities List (NPL) Database**

The NPL is the EPA’s database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state’s top priority site, or meet three specific criteria set jointly by the U.S. Department of Health and Human Services (DHHS) and the EPA in order to become an NPL site.

Research of the EPA’s NPL database, last updated April 2006, indicates no such sites are located within one mile of the study area.





**POTENTIAL REC SITES**  
**Greers Ferry Lake**

MAWA Water Supply Storage Reallocation Study



Figure 4
Date: June 2006
Scale: 1:100,000
Source: Bams, USGS
Map Author: D. Shearer, 27309C.L02

100K USGS Topographic Map Series; Cowper (1983); Mountain View (1983); Baker (1983); Seely (1983); Bink Information Solutions, Inc. Environmental FirstSearch! Report: Lake Ousatche (2009)

## **Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and No Further Remedial Action Planned (NFRAP) Databases**

The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the EPA for the release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and may ultimately be placed on the NPL.

The NFRAP Report, also known as the CERCLIS Archive, contains information pertaining to sites that have been removed from the EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or contamination was not serious enough to require Superfund action or NPL consideration.

Initial research of the CERCLIS and NFRAP databases, last updated March 2006, indicated one orphan CERCLIS site potentially located within the ASTM-recommended search radius of the study area. Subsequent research revealed the site is within the ASTM-recommended search radius and is cross-listed in two other databases.

<u>Facility Name:</u>	Sentinel Industries
<u>Facility Location:</u>	1745 Heber Springs Rd N
<u>Distance/Direction:</u>	0.33 mi SE
<u>Other Databases:</u>	RCRA TSD, RCRACOR

The site is listed as a manufacturing and wood preserving facility. The facility also operates an incinerator. The facility is cross-listed in the RCRA CORRACTS and RCRA TSD databases, which indicate that the site also serves as a land disposal facility. Hazardous waste present at the site includes chromium, methyl ethyl ketone, arsenic, wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes that use arsenic or chromium. Contamination was apparently reported at the facility in May 1992. A preliminary assessment conducted in September 1992 indicated that the site posed a low risk, and an inspection in June 2000 resulted in the site being listed in the NFRAP database. The site does not appear to have been archived to date.

The environmental database report lists a total of 15 violations for the facility, all of which occurred in May 1998. ADEQ issued four enforcement actions between May 1998 and December 1999 in response to these violations, including two Final 3008(A) Compliance Orders. Seven correction action events are on record for the site between March 1999 and February 2000. No additional information is provided for the facility. Based on the above information, it is believed that the site may have adversely impacted environmental conditions in the study area.

### **Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Sites**

RCRA TSDs are facilities that treat, store and/or dispose of hazardous waste.

Research of the database, last updated April 2006, indicates one potential REC site located within one-half mile of the study area. The facility is cross-listed in multiple databases.

<u>Facility Name:</u>	Sentinel Industries
<u>Facility Location:</u>	1745 Heber Springs Rd N
<u>Distance/Direction:</u>	0.33 mi SE
<u>Other Databases:</u>	CERCLIS, RCRACOR

The Sentinel Industries facility is discussed in the CERCLIS subsection above. Based on the information presented in that subsection, it is believed that the site may have adversely impacted environmental conditions in the study area.

### **RCRA CORRACTS Database**

The EPA's RCRA database contains information concerning RCRA facilities that have conducted, or are currently conducting, a corrective action. A Corrective Action Order is issued pursuant to RCRA Section 3008(h) when a release of hazardous waste or constituents into the environment occurs from a RCRA facility. Corrective actions may also be imposed as a requirement of receiving and maintaining a transportation/storage/disposal facility (TSDF) permit.

Research of the EPA's RCRA CORRACTS database, last updated April 2006, indicates one potential REC site is located within one mile of the study area. The facility is cross-listed in multiple databases.

<u>Facility Name:</u>	Sentinel Industries
<u>Facility Location:</u>	1745 Heber Springs Rd N
<u>Distance/Direction:</u>	0.33 mi SE
<u>Other Databases:</u>	CERCLIS, RCRACOR

The Sentinel Industries facility is discussed in the CERCLIS subsection above. Based on the information presented in that subsection, it is believed that the site may have adversely impacted environmental conditions in the study area.

### **RCRA Generator Database**

The EPA's RCRA Generator Database provides a list of Large Quantity Generators and Small Quantity Generators. Large Quantity Generators are defined as facilities that generate at least 1,000 kilograms per month of non-acutely hazardous waste or one kilogram per month of acutely hazardous waste. Small Quantity Generators generate less than 1,000 kilograms per month of non-acutely hazardous waste.

Research of the EPA's Generator database, last updated April 2006, indicates one potential REC site located within one-quarter mile of the study area and four orphan sites potentially located within the ASTM-recommended search radius. Subsequent research revealed that one of these orphan sites is located within the ASTM-recommended search radius, and two sites are located outside the radius. The location of the remaining orphan site could not be determined.

Plottable Sites:

Facility Name: Travis Boating Centers/Red River Marine  
Facility Location: 2001 Hwy 25 N  
Distance/Direction: 0.14 mi SE  
Other Databases: RUST

Facility Name: U.S. Army Corps of Engineers-  
Greers Ferry Powerhouse  
Facility Location: 4 MN Heber Springs Rd  
Distance/Direction: Onsite

Orphan Sites:

Facility Name: Greers Ferry Glass Works  
Facility Location: 5902 Heber Springs Rd  
Distance/Direction: Unknown

The Travis Boating Centers facility is a conditionally exempt small quantity generator that produces less than 100 kilograms per month of ignitable hazardous waste. The facility is cross-listed in the RUST database. No violations or enforcement actions are listed for the facility, and the facility does not appear to be listed in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

The USACE Greers Ferry Powerhouse is a conditionally exempt small quantity generator that produces less than 100 kilograms per month of polychlorinated biphenyls (PCBs). No violations or enforcement actions are listed for the facility, and the facility does not appear in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

Greers Ferry Glassworks operates a conditionally exempt small quantity generator that produces less than 100 kilograms per month of corrosive waste. No violations or enforcement actions are listed for the facility, and the facility does not appear in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

## Emergency Response Notification System (ERNS) Database

ERNS is a national database that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including spill location, substance released, and responsible parties.

Research of the database, last updated December 2005, indicates one ERNS incident occurred within 0.15 mile of the study area and two orphan incidents potentially occurred within 0.15 mile of the study area. It is unknown if the remaining orphan incident occurred within the ASTM-recommended search radius.

### Plottable Sites:

Facility Name: Aromatique  
Facility Location: 3421 Hwy 25  
Distance/Direction: Onsite

### Orphan Sites:

Facility Name: None  
Facility Location: Lakeshore Hills Subdivision  
Distance/Direction: Unknown

Facility Name: None  
Facility Location: Lakeshore Hills Subdivision  
Distance/Direction: Unknown

No information is available regarding the Aromatique incident. Because no information is available, it cannot be determined if this incident has adversely impacted environmental conditions in the study area.

The incidents at Lakeshore Hills Subdivision both involve complaints filed in 1995 of a resident dumping antifreeze and used oil on his property. The resident is alleged to have dumped these products for a period of 6-7 years on the property. No additional information is available; however, the quantities of oil and hazardous waste appear to be relatively small, and it is unlikely that either of these incidents have resulted in significant adverse impacts to environmental conditions in the study area.

## State Environmental Databases Reviewed

### State Equivalent NPL Database

This database is maintained by ADEQ. The database provides a listing of hazardous waste generators.

Research of the State Sites database indicated no such sites potentially located within one mile of the study area.

### Solid Waste Landfill Facilities (SWL) Databases

The listing of solid waste landfills maintained by ADEQ related to solid waste and landfill disposal facilities was reviewed.

Research of this database, last updated December 2004, initially indicated one orphan site potentially located within one-half mile of the study area. Subsequent research indicates that the site is not located within the ASTM-recommended search radius.

### Leaking Underground Storage Tank (LUST) Database

Initial queries of this ADEQ database, last updated May 2006, indicated three potential REC sites (some with multiple listings) located within one-half mile of the study area. Two of the facilities are cross-listed in multiple databases.

Facility Name: Fairfield Bay Marina  
Facility Location: Greers Ferry Lake  
Distance/Direction: Onsite

Facility Name: Heber Springs Public School  
Facility Location: 800 West Moore St  
Distance/Direction: Onsite  
Other Databases: RUST

Facility Name: J&N Cove Creek Grocery  
Facility Location: 4 Cove Creek Rd  
Distance/Direction: 0.05 mi NW  
Other Databases: RUST

The Fairfield Bay Marina reported two separate incidents in which an exposed fuel line was ruptured and introduced small quantities of gasoline into Greers Ferry Lake. One incident occurred in July 2000. The fuel line was repaired and a hazardous material remediation company was contracted to clean up the contamination. ADEQ issued a No Further Action letter for the incident in September 2000. A second incident occurred in August 2001. A light sheen approximately 10 inches in diameter was reported on Greers Ferry Lake in the vicinity of the ruptured line. The ruptured line was repaired, and ADEQ determined that no cleanup actions were necessary. A No Further Action letter was submitted for the incident in September 2001. Because both of these incidents involved the release of small quantities of product that were successfully remediated, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The Heber Springs Public School facility is cross-listed in the RUST database. Two USTs are listed for the facility, one of which is listed as Permanently Out of Service. A fuel line

test in August 2002 revealed a leak at the site. Subsequent investigation revealed that soil at the site had been contaminated from the leak. The fuel line leak was reported and the contaminated soil was excavated. Laboratory analyses of the contaminated soil indicated that contaminant quantities were below ADEQ guidelines. ADEQ submitted a No Further Action letter and closed the file. Because the incident at this site has been successfully remediated, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The J&N Cove Creek facility is also cross-listed in the RUST database. Four USTs are listed for the facility, three of which are listed as Permanently Out of Service. A leak at the site was reported in September 1999. No information regarding remediation activities is provided. Based on this information, it is believed that the site may have adversely impacted environmental conditions in the study area.

#### Registered Underground Storage Tank (RUST) Database

Initial queries of this ADEQ database, last updated May 2006, indicated 11 potential REC sites located within 0.25 mile of the study area and 20 orphan sites potentially located within the ASTM-recommended search radius. Three of the plottable sites are cross-listed in multiple databases.

Facility Name: Travis Boating Centers/Red River Marine  
Facility Location: 2001 Hwy 25 N  
Distance/Direction: 0.14 mi SE  
Other Databases: RUST

Facility Name: Heber Springs Public School  
Facility Location: 800 West Moore St  
Distance/Direction: Onsite  
Other Databases: RUST

Facility Name: J&N Cove Creek Grocery  
Facility Location: 4 Cove Creek Rd  
Distance/Direction: 0.05 mi NW  
Other Databases: RUST

The Red River Marine facility is discussed in the RCRA/N subsection above. Based on the information presented in that subsection, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The Heber Springs Public School facility is discussed in the LUST subsection above. Based on the information presented in that subsection, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The J&N Cove Creek Grocery facility is discussed in the LUST subsection above. Based on the information presented in that subsection, it is believed that the site may have adversely impacted environmental conditions in the study area.

The remaining plottable and orphan sites do not appear to be listed in the LUST database or other corrective action databases. For these reasons, and based on a lack of evidence to the contrary, it is believed that these facilities have had little, if any, impact on environmental conditions in the study area.

### 3.1.7.3 Conclusions

Based on the site reconnaissance, records review, interviews, and best engineering judgment, conditions in the study area are likely to present a potential for special actions associated with state or Federal environmental regulations regarding the handling, storage, or disposal of hazardous materials. Accordingly, this assessment has revealed evidence of REC in connection with the study area. Table 6 provides a list of sites that may have adversely impacted environmental conditions in the study area.

**Table 6. List of Potential REC Sites That May Have Adversely Impacted Environmental Conditions in the Study Area (Greers Ferry Lake)**

Site Name	Street Address	Database	Distance/Direction From Project Area
<i>Plottable Sites (within ASTM-recommended search radii)</i>			
Sentinel Industries	1745 Heber Springs Rd N	CERCLIS, RCRA TSD, RCRA COR	0.33 mi SE
Aromatique	3421 Hwy 25	ERNS	Onsite
J&N Cove Creek Grocery	4 Cove Creek Rd	LUST, RUST	0.05 mi NW

Source: Banks Information Solutions/GEC, 2006.

The proposed project does not involve the construction of any improvements or the disturbance of any of the above listed facilities or lands. Consequently, although potential REC sites have been identified in the study area, it is not believed that any of these sites would be affected by project implementation. No actions associated with the proposed project would result in the disturbance of these sites and the consequent release of hazardous waste into the surrounding environment.

### 3.1.8 Air Quality

Greers Ferry Lake is located in the Ozark Mountains, remote from heavy smoke-producing industry or large mining operations. The air is very clean and smog is virtually unknown in this region. Pollution sources in the vicinity of the lake include automobile emissions and local industries. Automobile traffic in the region is typical of rural areas and is not considered to be a significant source of pollutants. Automobile traffic in the project area is much greater during the summer recreational season, and some degradation of air quality is likely to occur during this period.



The EPA's AirData database contains measurements of air pollutant concentrations in the United States. The measurements include both criteria air pollutants and hazardous air pollutants and are compared against the National Ambient Air Quality Standards (NAAQS) specified by the EPA. The AirData database was queried for air quality data for Cleburne and Van Buren counties for the interval 2001-2005. No data was available for either county in the database.

The Clean Air Act of 1977 as amended requires Federal facilities to comply with all Federal, state, interstate, and local requirements regarding the control and abatement of air pollution in the same manner as any non-governmental entity, including any requirement for permits. No particular Federal requirements are involved that are not already incorporated into Arkansas State law. According to the ADEQ, the entire state of Arkansas is in compliance with all EPA ambient air quality standards. Only ozone concentrations occasionally approach the limit of the standard. The Conformity Rule of the Clean Air Act of 1977 (CAA), as amended, states that all Federal actions must conform to appropriate State Implementation Plans (SIPs). This rule took effect on January 31, 1994, and at present applies only to Federal actions in non-attainment areas (those not meeting the National Ambient Air Quality Standards for the criteria pollutants in the CAA). The state of Arkansas, including the Greers Ferry Lake area, is considered an attainment area and is therefore exempt from the Conformity Rule of the CAA.

### 3.1.9 Noise

Noise levels around the Greers Ferry Project are consistent with those found normally associated with outdoor water recreational activities. These noises emanate from boats, jet skis and other recreational vehicles and equipment. No industrial noise sources exist on the lake shores.

### 3.1.10 Socioeconomics

The region of economic impact consists of eight counties in the state of Arkansas. These counties represent the MAWA survey area. The following table shows historical, current, and projected population counts of the counties and the state of Arkansas.

For all but two of the counties, population growth for the study area has increased by more than the state statistic. Six of the eight counties had population increases greater than the state's statistics during the past 20 years, while the remaining two counties had low or negative population growth. The populations in the central Arkansas counties have continued to increase through 2005. Table 7 presents population growth in central Arkansas counties, as well as for the entire state.

**Table 7. County and State Populations**

County / State	1980	1990	Percent Change 1980 - 1990	2000	Percent Change 1990 - 2000	2005
	Population	Population		Population		Population Estimate <sup>1</sup>
ARKANSAS	2,286,435	2,350,725	2.8%	2,673,400	13.7%	2,794,974
Cleburne, AR	16,909	19,411	14.8%	24,046	23.9%	26,142
Conway, AR	19,505	19,151	-1.8%	20,336	6.2%	20,655
Faulkner, AR	46,192	60,006	29.9%	86,014	43.3%	96,916
Garland, AR	70,531	73,397	4.1%	88,068	20.0%	94,457
Lonoke, AR	34,518	39,268	13.8%	52,828	34.5%	59,278
Perry, AR	7,266	7,969	9.7%	10,209	28.1%	10,760
Pulaski, AR	340,613	349,660	2.7%	361,474	3.4%	368,133
Saline, AR	53,161	64,183	20.7%	83,529	30.1%	91,555

<sup>1</sup> Population estimates obtained from the Center for Business and Economic Research, University of Arkansas

The study area's race profile is predominantly white with Pulaski County being the only county having a non-white population that is greater than the state's rate, 20.0 percent. The remaining counties have non-white population percentages that range from 1.8 percent (Cleburne County) to 15.7 percent (Conway County). The national rate is 24.9 percent. All of the counties, with the exception of Pulaski County, have non-white populations that are less than the national rate. This difference is most likely a result of the rural nature of most of these counties. The non-white population range is from 1.8 percent (Cleburne County) to 36.0 percent (Pulaski County).

Income statistics for the study area are above the state's level for six of the eight counties. Arkansas' per capita income, in 1999 dollars, was \$16,904. The national rate is \$21,587. When comparing the counties to the national rate, all eight counties have per capita income less than the national. The per capita income range is from \$16,056 (Conway County) to \$21,466 (Pulaski County).

Lastly, the study area's poverty levels are below the state's level, 15.8 percent, for six of the eight counties. However, when compared to the national rate of 12.4 percent, six of the eight counties have a greater percentage of poverty. The poverty statistics for the study area range from 7.2 percent (Saline County) to 16.6 percent (Garland County). The race and income demographics of the eight counties differ from state and national rates. Table 8 details the populations by race, per capita income, and poverty levels for the eight Arkansas counties.

**Table 8. County and State Race, Income, and Poverty Data**

County / State	Total Race Population	White Population	% Non-White Pop. (2000)	Per Capita Income (1999 \$'s)	% Persons in Poverty (1999 %)
ARKANSAS	2,673,400	2,138,598	20.0%	\$16,904	15.8%
Cleburne, AR	24,046	23,613	1.8%	17,250	13.1%
Conway, AR	20,336	17,137	15.7%	16,056	16.1%
Faulkner, AR	86,014	75,973	11.7%	17,988	12.5%
Garland, AR	88,068	78,250	11.1%	18,631	16.6%
Lonoke, AR	52,828	48,089	9.0%	17,397	10.5%
Perry, AR	10,209	9,762	4.4%	16,216	14.0%
Pulaski, AR	361,474	231,211	36.0%	21,466	13.3%
Saline, AR	83,529	79,575	4.7%	19,214	7.2%

Economic activity in the study area is varied, but each county hosts a majority, if not all, of North American Industry Classification System (NAICS) sectors. The counties within the study area account for nearly one-third of the persons employed in the state. This is due in part to the inclusion of Pulaski County, which accounts for nearly 23 percent of the persons employed in the state. Annual payroll in the study area is greater than \$8.7 billion. The counties within the study area account for over 35 percent of the total payroll in the state. Again, this is due largely to Pulaski County, which accounts for over 26 percent of the state's total annual payroll. Arkansas also has a total of 63,185 business establishments, of which over 31 percent are located in the study area. Pulaski County accounts for over 12,000 establishments, or 19.1 percent.

### 3.1.11 Environmental Justice

The following discussion of environmental justice issues has been developed to address two Presidential Executive Orders:

Executive Order 12898, Federal Actions to Address Environmental Justice in Minority and Low-Income Populations. On February 11, 1994, President Clinton issued Executive Order 12898, Federal Actions to Address Environmental Justice in Minority and Low-Income Populations. The purpose of this Executive Order is to avoid the disproportionate placement of adverse environmental, economic, social, or health impacts from Federal actions and policies on minority and low-income populations or communities. An element emanating from this order was the creation of an Interagency Federal Working Group on Environmental Justice comprised of the heads of 17 Federal departments and agencies, including the U.S. Army. Each department or agency is to develop a strategy and implementation plan for addressing environmental justice.

It is the USACE's policy to fully comply with Executive Order 12898 by incorporating environmental justice concerns in decision-making processes supporting USACE policies, programs, projects, and activities. In this regard, the USACE ensures that it would identify, disclose, and respond to potential adverse social and environmental impacts on minority and/or low-income populations within the area affected by a proposed USACE action. The initial step in this process is the identification of minority and low-income populations that might be affected by implementation of the proposed action or alternatives. For environmental justice considerations, these populations are defined as individuals or groups of individuals that are subject to an actual or potential health, economic, or environmental threat arising from existing or proposed Federal actions and policies. Low income is defined as the aggregate annual mean income for a family of four in 2000 of \$17,601.

Executive Order 13045, Protection of Children from Environmental Health Risks and Safety Risks. On April 21, 1997, President Clinton issued Executive Order 13045, Protection of Children from Environmental Health Risks and Safety Risks. This Executive Order recognizes that a growing body of scientific knowledge demonstrates that children may suffer disproportionately from environmental health risks and safety risks. These risks arise because children's bodily systems are not fully developed, because their size and weight can diminish protection from standard safety features, and because their behavior patterns can make them more susceptible to accidents. Based on these factors, President Clinton directed each Federal agency to make it a high priority to identify and assess environmental health risks and safety risks that might disproportionately affect children. President Clinton also directed each Federal agency to ensure that its policies, programs, activities, and standards address disproportionate risks to children that result from environmental health risks or safety risks.

It is the USACE's policy to fully comply with Executive Order 13045 by incorporating these concerns in decision-making processes supporting USACE policies, programs, projects, and activities. In this regard, the USACE ensures that it would identify, disclose, and respond to potential adverse social and environmental impacts on children within the area affected by a proposed USACE action.

### **3.1.12 Recreation**

Greers Ferry Lake supports a variety of recreational activities, including camping, boating, fishing, swimming, hiking, and visiting attractions like the dam and visitors center. The lake receives about 5.5 million visitors annually. Designated parks and recreation areas are managed by the Corps, except for Fairfield Bay Park, which is leased to the city of Fairfield Bay, and Sandy Beach, which is leased to the city of Heber Springs. Boaters on the lake use speedboats, cabin cruisers, runabouts, sailboats, PWC, fishing boats, houseboats, pontoon boats, rowboats, windsurfers, canoes, and kayaks. All areas of the lake are well visited by boaters.

## **3.2 LAKE OUACHITA**

A complete description of the project history, authorized purposes and physical features of the Lake Ouachita project can be found in Section B of the Water Storage Reallocation Report.

### **3.2.1 Land Use**

Lake Ouachita manages land and water resources for a mix of different uses, including agriculture (minimal extent), timber, fish, wildlife, watershed protection, and outdoor recreation. The natural resources component of project management employs the multiple-use management concept and incorporates a mix of resource uses similar to that employed on U.S. Forest Service lands.

### **3.2.2 Climate**

The climate around Lake Ouachita is generally characterized by hot summers and moderately cool winters, averaging 81° Fahrenheit (F) in the summer and 44° F in the winter. The average rainfall is 55 inches and is typically well distributed throughout the year. Average snowfall is four inches, but can vary greatly from year to year.

### **3.2.3 Topography, Physiography and Soils**

The Ouachita Mountains region was internally subjected to intense geologic pressures as evidenced by the beds of tilted (> 20 degrees) highly fractured and folded rocks. Sandstones, shales, chert, and novaculites are the predominate rock formations. Limestones and, at widely scattered places, igneous rocks are also present. Relief ranges from almost vertical bluffs to broad flats. Relief is the result of the compression and uplift of Paleozoic rocks and the subsequent erosion and entrenchment of streams and drainage channels into the land surface.

Most of the soils formed in material of weathered, consolidated bedrock of the Ordovician through Pennsylvanian periods of the Paleozoic era (500 to 280 million years BP, respectively). The soils are composed of heterogeneous mixtures of sand, silt, and clay derived from weathered sandstone and shale. The softer, less resistant shale, chert, and impure sandstone are more susceptible to erosion and compaction, and form most of the basins, valley floors, and lower hills. The harder, more resistant novaculite and relatively pure layers of sandstone form the mountains, ridges, and peaks.

Coordination has been initiated with the NRCS regarding potential impacts to rare or unique soils (including Prime Farmland) in the project area resulting from implementation of the proposed project. In a letter dated 11 May 2006 the NRCS stated that the proposed pipeline and water intake structure would not impact any Prime Farmland soils. The NRCS further stated that practices to help prevent erosion should be considered when installing the proposed improvements. Agency coordination is included in Appendix A.

### 3.2.4 Water Resources

Lake Ouachita is the largest lake in Arkansas, extending approximately 35 miles along the Ouachita River channel. The lake contains over 2,000,000 AF of water storage at normal power pool. The surface acreage averages from approximately 40,000 to 48,300 acres throughout the year. Surface elevations fluctuate an average of 12.5 feet each year. This fluctuation results from the lake operation for flood control and hydropower generation.

Water quality data has been collected at intervals for Lake Ouachita over the last three decades. Both the type and frequency of data collection have varied. The available data indicate that the lake's overall water quality is exceptional and has not declined. In recent years, there has been a slight improvement in clarity (turbidity) in Lake Ouachita. Mean nutrient and turbidity levels indicate that the lake is oligotrophic. This environmental classification is assigned to lakes with low nutrient levels, low turbidity, and high clarity.

The Arkansas Department of Health (ADH) and the ADEQ have both indicated that the overall water quality conditions in Lake Ouachita are exceptional.

Water from Lake Ouachita is considered relatively pristine with reduced nutrient levels, low temperature (typically 50°–55° F), and high dissolved oxygen (8.5 to 9.5 mg/l).

Storage for water supply has been reallocated once since the construction of Blakely Mountain Dam – Lake Ouachita. This water supply agreement was executed in February 14, 1996, between the North Garland County Regional Water District (NGCRWD) and the United States Government. The agreement was for 1,575 AF (current yield analysis data requires 1,659 AF to provide 1 mgd) of storage to provide a yield of 1 mgd (Appendix A, Water Supply Storage Reallocation Report). Currently, a second request by the NGCRWD for 3 mgd is being processed by the Vicksburg District. This will require the reallocation of about 4,977 AF of storage (Appendix A, Water Supply Storage Reallocation Report). Based on the past reallocation, it is assumed that the second reallocation request would be made from the flood control pool, and after dependable yield mitigation storage is accounted for, 33,303 AF would be available for MAWA. A flood control pool reallocation pool would allow MAWA to purchase 33,303 AF of storage in Lake Ouachita.

The current proposed reallocation by the Mid-Arkansas Water Alliance for 33,303 AF would not cause the Corps' reallocation limit of 50,000 AF to be exceeded.

### 3.2.5 Cultural Resources

Cultural resource surveys have been conducted on USACE owned land in the vicinity of Blakely Mountain Dam along Lake Ouachita and the Ouachita River where a major portion of the proposed new Lake Ouachita water intake pump station and pipeline for the city of Hot Springs will be constructed. To date, no significant cultural resources have been identified within the surveyed area that may potentially be impacted by the construction of the pump station and pipeline.

Coordination has been initiated with the Arkansas SHPO regarding potential impacts to cultural resources in the project area resulting from implementation of the proposed project. In a letter dated 10 May 2006, the SHPO responded that the agency had no objection to the proposed water reallocation at Lake Ouachita. The SHPO stated that no cultural resources are known to occur in the vicinity of the proposed pipeline and water intake structure; however, the SHPO stated that archaeological sites are known to occur in similar environments elsewhere. The letter further stated that if any cultural remains, including but not limited to Native American pottery, stone tools, bones, old bottles or china, are discovered during project implementation, work in the area of discovery should cease and the SHPO should be contacted immediately. Agency coordination is included in Appendix A.

### 3.2.6 Biological Resources

#### 3.2.6.1 Vegetation

Lake Ouachita is located within the proclaimed boundaries of the Ouachita National Forest. Of the 81,984 acres within the Lake Ouachita area, 61,581 acres are USACE fee title land and 20,391 acres are Forest Service land, including 15,629 acres of Public Domain and 4,762 acres of Weeks Law land. Since the inception of Lake Ouachita, the jurisdictional responsibility over the Public Domain land was in question. Pursuant to an August 13, 1964, agreement between the Secretaries of the Army and Department of Agriculture, the USACE and the Forest Service signed an agreement on June 28, 1985, realigning land management jurisdiction on Lake Ouachita in Garland and Montgomery counties, Arkansas. This resulted in an interchange of land between the USACE and the Forest Service to improve public service, increase management efficiency and reduce costs. Under this interchange, the Forest Service transferred 12,000 acres of Public Domain and Weeks Law land to the USACE and gave the USACE management responsibility for all lands from the water's edge up to elevation 610 feet NGVD. The USACE transferred 10,000 acres of land above elevation 610 feet NGVD to the Forest Service. A joint management plan was developed and signed in 1986, allowing coordinated management of all project lands between elevations 578 and 610 feet NGVD. Under this joint plan, the Forest Service and the USACE coordinate closely on all rules, regulations, and proposals pertinent to these lands, in recognition of the desirability of uniformity and consistency in managing these lands for public use and resource protection.

Lake Ouachita has 20,747 acres of forestlands. Tree density, composition, and quality vary from area to area. A number of forest types exist, but the three main types are shortleaf pine, white oak-red oak-hickory, and shortleaf pine-oak forests. The majority of the project is characterized by second-growth hardwoods that occur within the upland pine stands.

Prior to 1990, forest management at the lake was primarily limited to removal of timber for construction purposes and salvage of damaged timber. Most of the forested land surrounding the lake had been originally harvested from the early 1920s to the mid-1930s and had naturally regenerated to form the 70- to 80-year-old pine and oak-pine stands which are common on project lands. Due to the lack of forest management, stands were stagnated, drastically overstocked, and overmature. Natural mortality and waste of timber was high and wildlife habitat was generally poor.

An intensive forest management program was initiated at the lake in 1990. This program targeted the improvement of existing stands through selective timber harvesting, prescribed burning, and vegetation management treatments. The goals of the program have been the improvement of forest growth and vigor and the enhancement of wildlife habitat.

### 3.2.6.2 Fish and Wildlife

The fish and wildlife resources associated with Lake Ouachita are considered significant. The fishery is managed primarily by the AGFC. The lake supports a high quality sport fishery including largemouth and smallmouth bass, walleye, sunfish, crappie, catfish, striped bass, and rainbow trout. The largest predator in the project area is the black bear. Raccoons, squirrels, opossum, and other mammals common to rural Arkansas are found in natural areas in the project area. Migratory waterfowl use the lake and tributary habitats seasonally and, in some cases, year-round. Important terrestrial game species include white-tailed deer, squirrel, turkey, quail, dove rabbit, and furbearers. The lake also provides habitat for many amphibians, reptiles, and invertebrate species.

### 3.2.6.3 Threatened and Endangered Species

Table 9 presents information about federally listed species in the Lake Ouachita project area.

**Table 9. Federally Listed Species for the Lake Ouachita Project Area**

Common Name	Scientific Name	Status	Occurrence
Fat pocketbook	<i>Potamilus capax</i>	E	Statewide
Bald eagle	<i>Haliaeetus leucocephalus</i>	T	Garland and Montgomery
Haperella	<i>Ptilimnium nodosum</i>	E	Garland and Montgomery
Arkansas fatmucket	<i>Lampsilis powelli</i>	T	Montgomery

Source: USFWS, 1997.

The fat pocketbook is discussed in Section 3.1.6.3 above. Primary threats to the species are dredging operations and water impoundments.

The bald eagle is also discussed in Section 3.1.6.3 above. Lake Ouachita contains wintering areas for the bald eagle. Bald eagles typically migrate to the lake each year in late October and remain until the end of March. Weather, photoperiodism, and a shrinking food supply stimulate eagle migration. In past years, up to 120 bald eagles have been counted on established survey routes during the winter eagle survey. In 1992, a bald eagle nest was discovered on USFWS land, adjacent to USACE land on Lake Ouachita. Two additional nests have been identified on or near the shoreline of Lake Ouachita since 1992.

Harperella is an annual herb that occurs in the southeastern United States. The species typically occurs in two habitat types: (1) rocky or gravel shoals and margins of clear, swift-flowing stream sections; and (2) edges of intermittent pineland ponds in the coastal plain. This plant tolerates and may actually require a very specific and unusual water regime, which includes moderately intensive spring floods that may reduce or eliminate competing vegetation. Primary threats include alterations of the water regime within the species' habitat resulting from impoundments, water withdrawal, and drainage or deepening of ponds. Other factors such as siltation, pollution, and shoreline development also threaten populations.

The Arkansas fatmucket is found only in the Ouachita, Saline, and Caddo river systems. Specifically, the Arkansas fatmucket occurs in the Ouachita River upstream of Lake Ouachita in Montgomery and Polk counties, and in the South Fork of the Ouachita River upstream of Lake Ouachita in Montgomery County. A 1988 survey of the species' habitat area found 151 individuals. The species prefers deep pools and backwater areas that possess sand, sand-gravel, sand-cobble, or sand-rock with sufficient flow to periodically remove organic detritus, leaves, and other debris, and is not typically found in riffles or impoundments. The species experienced severe population declines from the construction of impoundments within its historic range. Primary threats include water quality degradation from channelization and maintenance projects, as well as gravel mining.

Coordination has been initiated with the USFWS and the AGFC regarding potential impacts to threatened and endangered species in the project area resulting from implementation of the proposed project. In a letter dated 26 April 2006, the AGFC indicated that it had no objections to the proposed project at Lake Ouachita; however, the agency stated its desire to conduct a separate review of the proposed pipeline and intake structure locations before the initiation of construction activities. Agency coordination is included in Appendix A.

#### **3.2.6.4 Floodplains and Wetlands**

As with Greers Ferry Lake, wetlands are rare at Lake Ouachita because the steep shorelines are not conducive to wetland formation or sustenance. Lacustrine littoral wetlands occur in isolated pockets along the lakeshore in some locations, and palustrine wetland communities are also located adjacent to lake tributaries. These wetlands are not well defined and exhibit a relatively low diversity of wildlife because the steep shorelines do not allow large transitional zones between shoreline and open-water habitat. Floodplains are located along lake tributaries in the Lake Ouachita watershed.

Coordination has been initiated with FEMA regarding potential impacts to floodplains in the project area resulting from implementation of the proposed project. In a response dated 20 April



2006, FEMA requested that the local floodplain administrator be contacted for the review and possible permit requirements for the project. Agency coordination is included in Appendix A.

### **3.2.7 Hazardous, Toxic, and Radioactive Wastes**

A limited HTRW investigation was performed for the Lake Ouachita project area in general accordance with guidance from ER 1165-2-132 and ASTM Standard E 1527-00. The goal of this effort is to identify recognized environmental condition (REC) sites or potential REC sites in connection with the study area. The following is a summary of the initial investigation.

An environmental database search was completed by Banks and the complete report is provided in Appendix B. The environmental database report developed by Banks includes reports on each site identified with information about the cause(s) for listing and the site's current status. This information is utilized to determine which, if any, sites warrant scrutiny for the potential presence of HTRW.

Seven federal and four state databases were reviewed, including the following:

#### Federal Databases:

- NPL - National Priority List. The EPA's list of confirmed or proposed Superfund sites (updated April 2006).
- CERCLIS – The EPA's Comprehensive Environmental Response, Compensation and Liability Information System (updated March 2006).
- NFRAP - A CERCLIS designation indicating that to the best of the EPA's knowledge, assessment of a site has been completed and the EPA has determined no further remedial action is planned (updated March 2006).
- RCRA TSD – The EPA's list of Resource Conservation and Recovery Information System (RCRIS) - Treatment, Storage and Disposal facilities (updated April 2006).
- RCRA CORRACTS - RCRIS – The EPA's list of Corrective Action Sites (updated April 2006).
- RCRAGN - RCRIS – The EPA's list of large and small quantity hazardous waste generators (updated April 2006).
- ERNS – The EPA's list of emergency response actions (Emergency Response Notification System) (updated December 2005).

#### State Databases:

- STATE SITES – The ADEQ list of facilities and/or locations recognized with potential or existing environmental contamination (updated quarterly).

- SWL - Solid waste landfills and transfer stations maintained by ADEQ (updated December 2004).
- RUST - The ADEQ list of all registered underground or above storage tanks (updated May 2006).
- LUST – The ADEQ list of all leaking underground storage tanks (updated May 2006).

**3.2.7.1 Limitations**

This limited HTRW assessment was conducted in general accordance with guidelines set forth by Part 7 of ER 1165-2-132 and ASTM Standard E 1527-00. Accordingly, no guarantee is made or intended that all site conditions were observed or that all records were reviewed.

Much of the information provided in the report was compiled from public records and other sources maintained by third parties. Although reasonable care was exercised in its preparation, The USACE cannot be held responsible for errors, omissions, or inaccurate information from third parties.

Finally, any changes in project actions from those provided the USACE may render the recommendations and conclusions presented in this report void.

**3.2.7.2 Findings**

The results of the search for potential REC sites as outlined in the environmental database report are discussed in this section.

**Environmental Database Review**

A thorough search of Federal, state, and local government environmental databases was conducted to obtain and review records and documents that would aid in identifying known or potential environmental concerns in or near the study area.

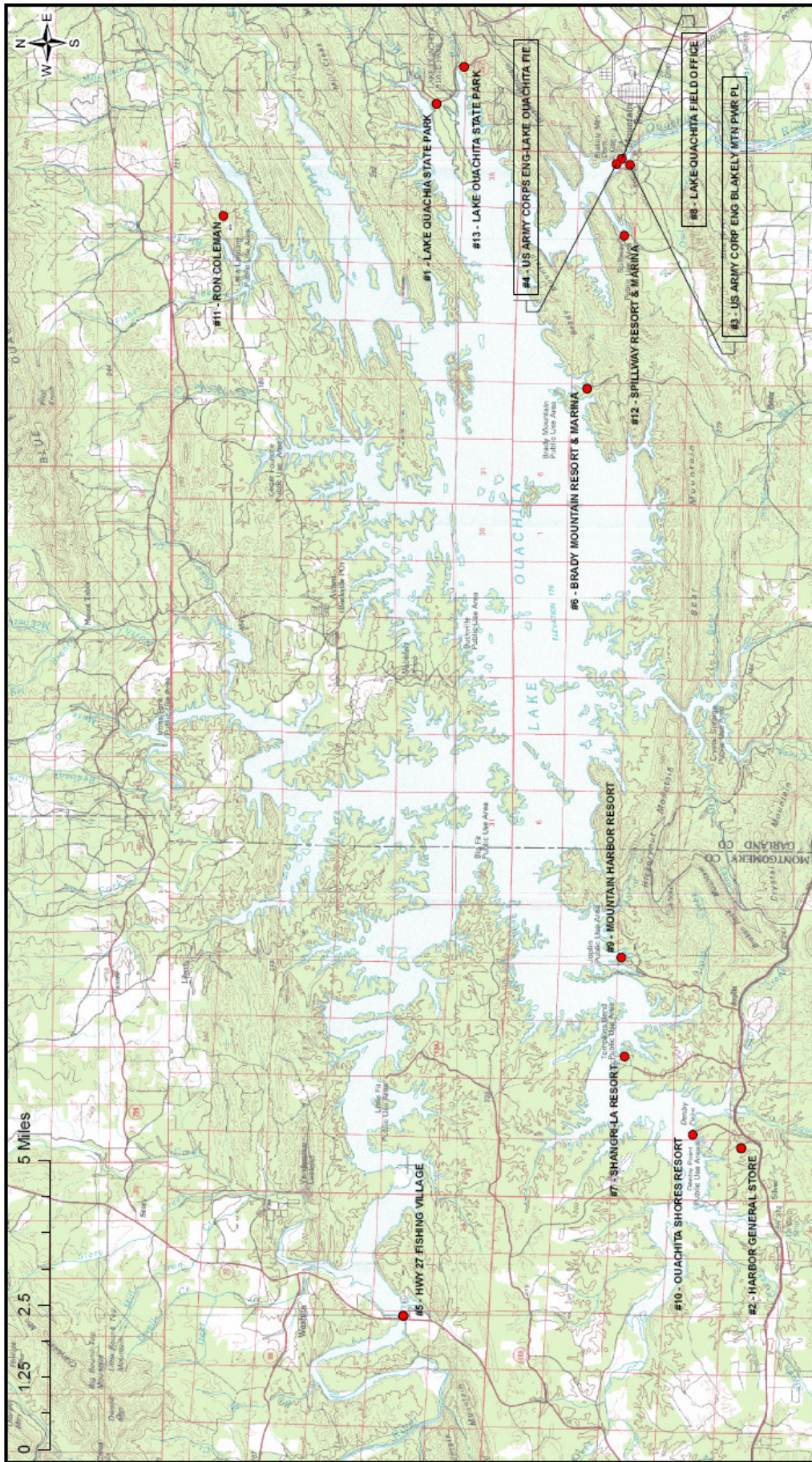
Table 10 provides the results of the search for potential REC sites listed in federal and state environmental databases as part of the environmental records review for the study area. In addition to plottable sites, a search for orphan sites (sites that are only identified as being within the same ZIP code[s] as the property) was conducted. A map of all plottable sites is presented in Figure 5. The Banks report is provided in Appendix B.

**Table 10. Environmental Database Research Results Summary for Lake Ouachita**

Database	Radius (mi)	Site	1/8 mile	1/4 mile	1/2 mile	>1/2 mile	Orphan	Total
NPL	1.00	---	---	---	---	---	---	---
CERCLIS	0.50	---	---	---	---		---	---
NFRAP	0.50	---	---	---			---	---

<i>RCRA:</i>								
TSD	0.50	---	---	---	---		---	---
COR	1.00	---	---	---	---	---	---	---
GEN	0.25	2	---	---			---	2
ERNS	0.15	---	---	---			---	---
<i>State:</i>								
State Sites	1.00	---	---	---	---	---	---	---
SWL	0.50	---	---	---	---		1	1
RUST	0.25	12	2	---			8	22
LUST	0.50	2	---	---	---		---	2
<i>Totals</i>	---	16	2	---	---	---	9	27
Notes: --- indicates no sites/items were found. LUST and UST values represent facilities, some of which contain multiple tanks. Some sites are listed in multiple databases. Shaded areas indicate search not required per ASTM Standard E1527-00.								

Source: Banks Information Solutions, Inc., 2006.



## POTENTIAL REC SITES Lake Ouachita

MAWA Water Supply Storage Reallocation Study

100K USGS Topographic Map Series Lake Ouachita (1952), Banks Information Systems, Inc. Environmental/Freshwater Report Lake Ouachita (2004)

Figure 5  
Date: June 2009  
Scale: 1:100,000  
Source: Banks, USGS  
Map Author: D. Shearer 273062CI.02

### **National Priorities List (NPL) Database**

The NPL is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the DHHS and the EPA in order to become an NPL site.

Research of the EPA's NPL database, last updated April 2006, indicates no such sites are located within one mile of the study area.

### **Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and No Further Remedial Action Planned (NFRAP) Databases**

The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the EPA for the release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and may ultimately be placed on the NPL.

The NFRAP Report, also known as the CERCLIS Archive, contains information pertaining to sites that have been removed from the EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or contamination was not serious enough to require Superfund action or NPL consideration.

Initial research of the CERCLIS and NFRAP databases, last updated March 2006, indicated no such sites are located within one-half mile of the study area.

### **Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Sites**

RCRA TSDs are facilities that treat, store and/or dispose of hazardous waste.

Research of the database, last updated April 2006, indicates no such sites are located within one-half mile of the study area.

### **RCRA CORRACTS Database**

The EPA's RCRA database contains information concerning RCRA facilities that have conducted, or are currently conducting, a corrective action. A Corrective Action Order is issued pursuant to RCRA Section 3008(h) when a release of hazardous waste or constituents into the environment occurs from a RCRA facility. Corrective actions may also be imposed as a requirement for receiving and maintaining a transportation/storage/disposal facility (TSDF) permit.

Research of the EPA's RCRA CORRACTS database, last updated April 2006, indicates no such sites are located within one mile of the study area.

## RCRA Generator Database

The EPA's RCRA Generator Database provides a list of Large Quantity Generators and Small Quantity Generators. Large Quantity Generators are defined as facilities that generate at least 1,000 kilograms per month of non-acutely hazardous waste or one kilogram per month of acutely hazardous waste. Small Quantity Generators generate less than 1,000 kilograms per month of non-acutely hazardous waste.

Research of the EPA's Generator database, last updated April 2006, indicates two potential REC sites located within one-quarter mile of the study area.

Facility Name: USACE Blakely Mtn Pwr Plant  
Facility Location: 1111 Blakely Mtn Rd  
Distance/Direction: Onsite

Facility Name: USACE Lake Ouachita Field Office  
Facility Location: Blakely Dam  
Distance/Direction: Onsite

The USACE Blakely Mountain Power Plant is a conditionally exempt small quantity generator that produces less than 100 kilograms per month of ignitable waste spent halogenated and non-halogenated solvents used for degreasing. No violations or enforcement actions are listed for the facility, and the facility does not appear in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

The USACE Lake Ouachita Field Office is a conditionally exempt small quantity generator that produces less than 100 kilograms per month of ignitable waste spent non-halogenated solvents. No violations or enforcement actions are listed for the facility, and the facility does not appear in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

## Emergency Response Notification System (ERNS) Database

ERNS is a national database that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including spill location, substance released, and responsible parties.

Research of the database, last updated December 2005, indicates no ERNS incidents are listed as having occurred within 0.15 mile of the study area.

## State Environmental Databases Reviewed

### State Equivalent NPL Database

This database is maintained by ADEQ. The database provides a listing of hazardous waste generators.

Research of the State Sites database indicated no such sites potentially located within one mile of the study area.

#### Solid Waste Landfill Facilities (SWL) Databases

The listing of solid waste landfills maintained by ADEQ related to solid waste and landfill disposal facilities was reviewed.

Research of this database, last updated December 2004, initially indicated one orphan site potentially located within one-half mile of the study area. Subsequent research indicates that the site is located within the ASTM-recommended search radius.

Facility Name: USACE Lake Ouachita Waste TS  
Facility Location: 1201 Blakely Dam Rd  
Distance/Direction: Onsite

The USACE operates a solid waste transfer station at 1201 Blakely Dam Road. No violations or enforcement actions are listed for the facility, and the facility does not appear in any corrective actions database. For these reasons, and based on a lack of evidence to the contrary, it is believed that the facility has had little, if any, impact on environmental conditions in the study area.

#### Leaking Underground Storage Tank (LUST) Database

Initial queries of this ADEQ database, last updated May 2006, indicated two potential REC sites (some with multiple listings) located within one-half mile of the study area. The facilities are cross-listed in multiple databases.

Facility Name: Lake Ouachita State Park  
Facility Location: End of Hwy 227  
Distance/Direction: Onsite  
Other Databases: RUST

Facility Name: Harbor General Store  
Facility Location: 5402 Hwy 270  
Distance/Direction: Onsite  
Other Databases: RUST

The Lake Ouachita State Park facility is cross-listed in the RUST database. Two 99-gallon water USTs are listed for the facility; both USTs are listed as Permanently Out of Service. No information regarding petroleum USTs is provided in the database, although it is evident from the facility's listing in the LUST database that petroleum products were stored on the

facility at some point. The facility reported a petroleum release in October 1991 from a ruptured fuel line. The released product could not be recovered because of rainfall. The system was shut down and subsequently repaired. Because this incident involved the release of a small quantity of product that appears to have been successfully remediated, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The Harbor General Store is also cross-listed in the RUST database. The database lists two 10,000 gallon USTs for the facility, both of which are designated as In Use. A leak was discovered at the facility in 2004 during a routine compliance inspection. ADEQ directed the owner to recover the free product and begin coordinating remediation activities. The owner subsequently issued a letter stating his refusal to recover the product or conduct any assessment. An assessment was eventually conducted that detected a small amount of product in the UST tankhold. This product was extracted via vacuum truck in November 2004. A second vacuum truck extraction occurred in December 2004. In January 2005 a Limited Site Assessment reported that the product had migrated offsite. Offsite monitoring wells were installed to monitor the status of petroleum contamination in the vicinity of the facility. The site is currently under remediation. Based on the above information, it is believed that the site may have adversely impacted environmental conditions in the study area.

#### Registered Underground Storage Tank (RUST) Database

Initial queries of this ADEQ database, last updated May 2006, indicated 14 potential REC sites located within 0.25 mile of the study area and eight orphan sites potentially located within the ASTM-recommended search radius. Two of the plottable sites are cross-listed in multiple databases.

Facility Name: Lake Ouachita State Park  
Facility Location: End of Hwy 227  
Distance/Direction: Onsite  
Other Databases: LUST

Facility Name: Harbor General Store  
Facility Location: 5402 Hwy 270  
Distance/Direction: Onsite  
Other Databases: LUST

The Lake Ouachita State Park facility is discussed in the LUST subsection above. Based on the information presented in that subsection, and lacking any evidence to the contrary, it is believed that this facility has had little, if any, impact on environmental conditions in the study area.

The Harbor General Store facility is discussed in the LUST subsection above. Based on the information presented in that subsection, it is believed that the site may have adversely impacted environmental conditions in the study area.



The remaining plottable and orphan sites do not appear to be listed in the LUST database or other corrective action databases. For these reasons, and based on a lack of evidence to the contrary, it is believed that these facilities have had little, if any, impact on environmental conditions in the study area.

### 3.2.7.3 Conclusions

Based on the site reconnaissance, records review, interviews, and best engineering judgment, conditions in the study area are likely to present a potential for special actions associated with state or Federal environmental regulations regarding the handling, storage, or disposal of hazardous materials. Accordingly, this assessment has revealed evidence of REC in connection with the study area. Table 11 provides a list of sites that may have adversely impacted environmental conditions in the study area.

**Table 11. List of Potential REC Sites That May Have Adversely Impacted Environmental Conditions in the Study Area (Lake Ouachita)**

Site Name	Street Address	Database	Distance/Direction From Project Area
<i>Plottable Sites (within ASTM-recommended search radii)</i>			
Harbor General Store	5402 Hwy 270	LUST, RUST	Onsite

Source: Banks Information Solutions/GEC, 2006.

The proposed project involves the construction of a new intake structure just north of Blakely Mountain Dam, which will convey raw water through a 36-inch pipeline a distance of approximately 5.6 miles in a south-southwesterly direction to the Ouachita Water Treatment Facility northwest of the city of Hot Springs.

The potential REC site identified in the limited HTRW investigation is located approximately 15 miles from the site of the proposed improvements. No other improvements or activities resulting in the disturbance of any facilities or lands are proposed for the project. Consequently, although potential REC sites have been identified in the study area, it is not believed that any of these sites would be affected by project implementation. No actions associated with the proposed project would result in the disturbance of these sites and the consequent release of hazardous waste into the surrounding environment.

### 3.2.8 Air Quality

Air quality around Lake Ouachita is good. Due to the absence of heavy industry, low population densities, and the generally rural character of the area, air pollution is not a problem. Localized pollution in the form of automobile exhausts and particulate matter occurring primarily as a result of auto traffic on unpaved roads does occur at the lake. Automobile traffic in the project area is much greater during the summer recreational season, and some degradation of air quality is likely to occur during this period.

Table 12 presents the air quality values provided by the EPA AirData database for Garland and Montgomery counties for the interval 2001-2005. Only partial NAAQS data was available for each county.

**Table 12. Air Quality Values for Garland and Montgomery Counties, Arkansas**

Year	CO (ppm) 2 <sup>nd</sup> max 8-hr	NO <sub>2</sub> (ppm) Annual mean	SO <sub>2</sub> (ppm) Annual mean	O <sub>3</sub> (ppm) 2 <sup>nd</sup> max 1- hr	PM <sub>2.5</sub> (µg/m <sup>3</sup> ) Annual mean	PM <sub>10</sub> (µg/m <sup>3</sup> ) Annual mean
<i>Garland County</i>						
2001	---	---	---	---	13.1	---
2002	---	---	---	---	9.9	---
2003	---	---	---	---	11.7	---
2004	---	---	---	---	10.9	---
2005	---	---	---	---	14.3	---
<i>Montgomery County</i>						
2001	---	---	---	0.07	---	---
2002	---	---	---	0.084	---	---
2003	---	---	---	0.072	---	---
2004	---	---	---	0.076	---	---
2005	---	---	---	0.07	---	---
NAAQS*	9 ppm	0.053 ppm	0.03 ppm	0.12 ppm	50.0 µg/m <sup>3</sup>	50.0 µg/m <sup>3</sup>

\* National Ambient Air Quality Standards.

Source: EPA Air Quality Online Database, 2006.

The Clean Air Act of 1977, as amended, requires Federal facilities to comply with all Federal, state, interstate, and local requirements regarding the control and abatement of air pollution in the same manner as any non-governmental entity, including any requirement for permits. No particular Federal requirements are involved that are not already incorporated into Arkansas State law. According to the ADEQ, the entire state of Arkansas is in compliance with all EPA ambient air quality standards. Only ozone concentrations occasionally approach the limit of the standard. The Conformity Rule of the Clean Air Act of 1977 (CAA), as amended, states that all Federal actions must conform to appropriate State Implementation Plans (SIPs). This rule took effect on January 31, 1994, and at present applies only to Federal actions in non-attainment areas (those not meeting the National Ambient Air Quality Standards for the criteria pollutants in the CAA). The state of Arkansas, including Lake Ouachita, is considered an attainment area and is therefore exempt from the Conformity Rule of the CAA.

### 3.2.9 Noise

Noise levels around Lake Ouachita are consistent with those found normally associated with outdoor water recreational activities. These noises emanate from boats, jet skis and other recreational vehicles and equipment. No industrial noise source exists on the lake shores.

### **3.2.10 Socioeconomics**

Please refer to Section 3.1.10 for a complete socioeconomic profile of the counties surrounding Lake Ouachita.

### **3.2.11 Environmental Justice**

Please refer to Section 3.1.11 for a discussion on Environmental Justice as it relates to the proposed project.

### **3.2.12 Recreation**

Lake Ouachita supports a variety of recreational activities, including camping, boating, fishing, swimming, hiking, and visiting attractions like the dam and visitors center. There are 20,000 acres of land at the project, which are open to the public for hunting. There are 21 recreation areas with 150 picnic sites, 1,106 campsites, 24 boat ramps and 13 swimming beaches.

## **4.0 ENVIRONMENTAL CONSEQUENCES**

### **4.1 LAND USE**

The proposed action of providing approximately 18,730 AF of flood control storage from Greers Ferry Lake and 33,303 AF of flood control storage from Lake Ouachita to MAWA for municipal and industrial (M&I) purposes and the construction of a new pump station and approximately 5.6-mile raw water pipeline at Lake Ouachita would not significantly change the present land use of the existing area. This action however, could potentially cause an increase in urbanization due to the increased M&I water supply.

If the reallocation was taken from the conservation (hydropower) pool the impacts to land use would be identical to those from the flood control pool.

The No-Action Alternative would result in no change to land use.

### **4.2 WATER RESOURCES**

Reallocation of flood storage in Greers Ferry Lake and Lake Ouachita would result in the conservation pools being raised 0.6 and 0.82 feet, respectively. In reality, however, the lake elevations will not change perceptibly due to the operation of the reservoirs for flood control, hydropower, and other purposes including withdrawals for water supply. A new water intake pump station is proposed to be located at the southeast end of Lake Ouachita, near Blakely Mountain Dam. Raw water will be pumped approximately 5.6 miles to the existing Ouachita Water Treatment Facility for treatment and supply to the City of Hot Springs municipal water system. The quantity of water to be withdrawn is approximately 30 mgd. This amount is not expected to affect lake levels or water storage quantities significantly.

Reallocation of conservation (hydropower) storage in Greers Ferry Lake and Lake Ouachita would result in a reduction in hydropower storage and yields. During the drought of record, this would result in a reduction in lake level of about one foot over a period of one year. This is not considered a significant change from current conditions.

Future demands for water could increase due to a potential for increased urbanization that could result from increased M&I water supply sources such as this action.

The No-Action Alternative could result in water users utilizing already stressed systems such as groundwater or pumping from streams to obtain needed water.

### **4.3 CULTURAL RESOURCES**

Cultural resource investigations of the areas surrounding Greers Ferry Lake and Lake Ouachita indicate that no significant cultural resources would be affected by the water storage supply reallocation from the lake or the No-Action Alternative since the lake level would remain relatively unchanged.

Prior to construction for the new pump station and 5.6-mile pipeline route on the southeast end of Lake Ouachita, cultural resource surveys of areas not previously surveyed should be completed and coordinated with the State Historic Preservation Officer (SHPO). The majority of the currently proposed area for this project is on USACE land that has been previously surveyed. To date, no significant resources have been discovered on USACE land in the areas of the proposed project.

#### **4.4 BIOLOGICAL RESOURCES**

##### **4.4.1 Vegetation**

The proposed action of flood control storage reallocation or conservation storage reallocation would have no affect on any vegetation located around Greers Ferry Lake or Lake Ouachita because the lake levels would remain relatively unchanged. Minor permanent vegetation impacts would likely occur due to the construction of the new pump station at Lake Ouachita and minor temporary impacts during construction of the 5.6-mile raw water pipeline to the water treatment facility. Grasses and low herbaceous vegetation disturbed by the pipeline construction would be expected to recover following the cessation of construction activities for the pipeline; however, the pipeline right-of-way would likely be maintained to be free of woody vegetation and tall herbaceous plants.

The No-Action Alternative would not result in any impacts to vegetation in the area around Greers Ferry Lake or Lake Ouachita.

##### **4.4.2 Fish and Wildlife**

Storage reallocation from either the flood control or conservation pools is not expected to impact any fish or wildlife populations or habitat located around either Greers Ferry Lake or Lake Ouachita, since the level of the lakes would remain relatively unchanged. The new water intake structure at the southeast end of Lake Ouachita will incorporate a fish/debris screen to prevent large objects from being sucked into the pump. Some fish fry and other small and juvenile aquatic creatures will inevitably be sucked through the screen and be killed. However, the numbers that will be eliminated compared to the remaining populations in the lake are insignificant. A very minor amount of shoreline littoral and bank habitat will likely be lost by the construction of the pump station at the lake edge.

Approximately 33.2 acres of land are inclusive for the in the 5.6-mile raw water pipeline route, in addition to the 3.0 acres proposed for the pump station site, for a total of approximately 36.2 acres of potential wildlife habitat that may be cleared or disturbed for construction of this project. However, it is possible that not all of this acreage is high quality habitat, as approximately three-fourths of the pipeline route follows existing roads and will likely be placed either within an existing right-of-way or adjacent to it. In any case, there is ample habitat adjacent to any that is lost, to absorb any wildlife displaced by the construction of the new pump station and the 5.6-mile pipeline.

During the scoping process for this project, the U.S. Fish and Wildlife Service, Conway Field Office, Conway, Arkansas, has expressed concerns over the reallocation of the remaining discretionary water supply and its implications for future increased water supply actions to impact fish and wildlife habitat. Specifically, they are concerned that the elimination of Lake Ouachita and Greers Ferry Lake as sources for future increased water supply needs will lead to the necessary damming of more rivers such as Bear Creek, currently being considered by Searcy County. In particular, concern was expressed for the Buffalo, Ouachita and Saline rivers. Although these concerns are valid and the potential for future harmful effect to fish and wildlife habitat by the creation of new reservoirs is real, these actions are outside the scope of this reallocation project, but will be considered in the cumulative impacts assessment.

The No-Action Alternative would not result in any impacts to fish and wildlife resources in the area around Greers Ferry Lake or Lake Ouachita since no significant change in water levels would occur due to the operation of the lakes.

#### **4.4.3 Threatened and Endangered Species**

No threatened or endangered species that occur in the vicinity of Greers Ferry Lake or Lake Ouachita would be impacted by changing water levels since the lake levels would be relatively unchanged. Once design plans for the new Lake Ouachita pump station and pipeline are finalized, surveys of the construction areas should be conducted and coordinated with federal and state wildlife agencies to ensure no critical habitat will be impacted.

The No-Action Alternative would not result in any impacts to threatened or endangered species in the area around Greers Ferry Lake or Lake Ouachita.

#### **4.4.4 Floodplains and Wetlands**

Storage reallocation would have no effect on any wetlands that exist along the shores of Greers Ferry Lake or Lake Ouachita, since the actual elevation of the lake should remain relatively unchanged due to the operation of the lake for flood control, hydropower and other purposes including water supply. According to National Wetland Inventory (NWI) maps, the preferred alternative placement of the new pump station on the southeastern shore of Lake Ouachita and the route for the raw water pipeline to the treatment plant do not appear to affect any jurisdictional wetlands. However, the map provided at this early stage in that project's planning shows the pipeline crossing three streams. Following plan finalization, a wetland survey should be conducted to determine if any jurisdictional wetlands will be affected. Permit(s) from the U.S. Army Corps of Engineers may be necessary. Additionally, if any construction will take place in a floodplain, a permit may be required from the local Floodplain Administrator.

The No-Action Alternative would not result in any impacts to floodplains or wetlands in the area around Greers Ferry Lake or Lake Ouachita.

#### 4.5 HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE

Upon consideration of hazardous substance data reviewed for sites and conditions located in proximity to both lakes, it has been determined that no action presented in this EA would have any impacts on any hazardous, toxic, or radioactive waste in the area. For the new City of Hot Springs water intake facility on Lake Ouachita, it is currently anticipated that the pumps will be electrically powered. New electrical transformers that may be needed for the electric motors are no longer manufactured with polychlorinated biophenyls (PCB) (a carcinogen) oil.

The No-Action Alternative would have no effect on HTRW in the project area.

#### 4.6 AIR QUALITY

The water reallocation from Greers Ferry Lake and Lake Ouachita could cause a minor increase in fossil fuel emissions if additional power is bought from a fossil fuel energy production plant to compensate for lost hydropower generation. Fewer adverse impacts to air quality are expected from the proposed action (reallocation from the flood control pool) than reallocation from the conservation pool, because the proposed action would cause the least impact to hydropower generation.

The question has been raised in previous reallocations whether air pollutants would be increased because of increased fossil fuel energy production required to make up the loss in hydropower capacity. This increase would not be substantial as shown in the following calculations. However, if electricity were purchased from a source of energy production that does not require fossil fuel combustion, there would be no impact on air quality.

The proposed action of reallocation of storage from the flood control or from the conservation pool will decrease both dependable capacity and energy available from the Greers Ferry Lake and Lake Ouachita hydropower plants. This power would have to be provided by alternative sources such as other hydropower plants, combustion power plants (gas, coal), or nuclear power plants. If the increased power generation were provided by combustion power plants, the increase in emissions could potentially affect the air quality of the project area and region. Assuming the weight of pollutants emitted by a fossil fuel generation plant to be proportional to power production, the increase in pollutants for this increase in power production would be insignificant based on the following analysis. To analyze this potential impact, the following tables reflect information gathered from the Department of Energy and the EPA. Table 13 presents emission averages from power generation in different regions of the country.

Assuming that annual combined energy losses for both Greers Ferry Lake and Lake Ouachita equal 8,414,962 kWh for the flood control pool and 10,810,704 kWh for the conservation pool and taking the national emissions averages from combustion power plants for comparison purposes, Table 14 reflects the annual increase in emissions that would occur because of the reallocations, if the potential loss of power were generated by combustion power generation.

**Table 13. Project Regional Generation Mixes and Emissions**

(lbs/kWh)

	SO <sub>2</sub>	NO <sub>x</sub>	CO <sub>2</sub>
New England	0.007	0.002	0.691
New York/New Jersey	0.005	0.002	1.014
Midwest	0.008	0.005	1.731
South Atlantic	0.007	0.004	1.429
West	0.001	0.000	1.002
Northwest	0.000	0.001	0.244
National	0.006	0.004	1.276

Source: Energy Information Agency, *Annual Outlook for U.S. Electric Power*, DOE/EIA-0474(91), 7/91.

**Table 14. Emissions Expected from Action Alternatives**

	SO <sub>2</sub> (0.006 lbs/kWh)	NO <sub>x</sub> (0.004 lbs/kWh)	CO <sub>2</sub> (1.276 lbs/kWh)
<b>Flood Control Pool</b>	50,489.8 lbs. 25.2 tons	33,659.8 lbs. 16.8 tons	10,737,491.0 lbs. 5,368.7 tons
<b>Conservation Pool</b>	64,864.2 lbs. 32.4 tons	43,242.8 lbs. 21.6 tons	13,794,458.0 lbs. 6,897.2 tons

Data from the EPA's E-GRID2002 database in Table 15 includes information for Arkansas for the year 2000.

**Table 15. 2000 State Total Emissions**

	Annual SO <sub>2</sub> (tons)	Annual NO <sub>x</sub> (tons)	Annual CO <sub>2</sub> (tons)	Ozone Season NO <sub>x</sub> (tons)
<b>Arkansas</b>	76,510.44	53,543.84	32,085,814.14	27,054.83

Table 16 shows the anticipated percentage of increase in emissions from the reallocations for the state of Arkansas.

**Table 16. Expected Increased Emissions Percentages**



REALLOCATION SOURCE	ARKANSAS Percent Annual Increase in Emissions		
	SO <sub>2</sub>	NO <sub>x</sub>	CO <sub>2</sub>
Flood Control Pool	0.032	0.031	0.016
Conservation Pool	0.042	0.040	0.021

The data presented in the previous table shows the annual increase of pollutant emissions expected to result if the power generation that would be lost because of the proposed reallocation were generated by a combustion power plant. The excess emissions would not significantly increase the health risks to humans associated with exposure to the pollutants. Therefore, the impact to the air quality of the project area and region is considered to be insignificant.

The No-Action Alternative would have no impact to air quality.

#### 4.7 NOISE

The only noise anticipated from the proposed action would be the temporary noise generated by construction equipment during the building of the new pump station and pipeline at Lake Ouachita. No increase in permanent noise sources would result from the proposed action.

The No-Action Alternative would have no impact to the noise environment.

#### 4.8 SOCIOECONOMICS

Reallocation of the remaining discretionary storage for MAWA will most likely not lead to any immediate increase in economic activity. The reallocation is for the immediate and future water supply needs of the study area; the water supply reallocation is estimated to allow the study area to continue its economic trends into the future.

As described below, there would be a small decrease in the amount of electricity that could be generated from the waters of the lake if some of the water is used for water supply. This decrease should not be significant as described in the storage reallocation report. The reallocation of water from the flood control storage would cause less impact on power generation than a reallocation from the conservation storage, since most hydropower is generated utilizing water from conservation storage.

##### 4.8.1 Greers Ferry Lake

Flood Control Benefits Foregone. A reallocation from the flood control pool adversely affects project operation for hydropower operation and when the flood control pool becomes full. Therefore, reallocating flood control storage would affect flood control benefits during the rare, low-frequency flood events, because high-frequency events can be held by the remaining flood control storage and released in a fashion that will not cause flooding downstream. At the top of the flood control pool, the lake has a surface area of 40,000 acres. A reallocation of 18,730 AF would reduce the current amount of flood control storage by 2.0 percent.

To measure the value of flood benefits foregone due to this reduction in available flood control storage, the SUPER model used by the Little Rock District, USACE would need to run historic data against the proposed reallocation. As an alternative, an estimate of flood control benefits foregone using annual flood losses prevented since the project was completed was utilized in the preparation of the storage reallocation report. Table 5 of the storage reallocation report lists annual flood damages prevented factored to 2004 price levels using the Index of Prices Received by Farmers for all farm products. This Index was used because the flood damages prevented were predominately agricultural in nature. As Table 4 of the storage reallocation report indicates, there will be \$39,338 estimated average annual revenues foregone by hydropower due to the reallocation of 18,730 AF of flood control storage.

To date, 29,178.7 AF of flood control storage has been reallocated, or is pending approval, to water supply storage including this reallocation (Appendix B, Water Supply Storage Reallocation Report). This number includes the specific Congressional reallocation authorized by Section 524 of the Water Resources Development Act of 1996, which does not count against the USACE discretionary authority. The cumulative effects of these reallocations are estimated to reduce the flood control benefits by approximately \$31,180 annually.

Although this method of quantifying flood control benefits foregone overestimates their value, it at least provides an amount against which the other reallocation alternatives can be measured. The actual benefits foregone are likely to be smaller, but attempting to more accurately quantify the benefits foregone would only be worth the required cost and effort in the event that another reallocation option demonstrates fewer benefits foregone.

Effects on Hydropower Generation. Reallocating 18,730 AF of flood control storage would have an effect on hydropower generation, based on current data provided by the Hydropower Analysis Center (HAC), Northwestern Division (NWD), USACE. Hydropower would also be affected by a reduction in secondary energy due to the reduced amount of water to be evacuated from flood control storage. The hydropower firm yield would be reduced by 4.504 mgd due to this reallocation. Although this amount will not be included in the water supply agreement, it is used to estimate the reallocation effects on hydropower. Instead, the results presented in the NWD report were used to estimate the effects of reallocating 18,730 AF from flood control storage.

By using data provided by HAC, Table 3 of the storage reallocation report shows that a reduction in yield of 15.0 mgd would result in benefit losses in the form of lost energy and capacity losses of 2,822 megawatt-hours (MWh) and 4 kilowatts (kW) from the flood pool and 3,267 MWh and 35 kW from the conservation pool, respectively.

As shown in Table 5 of the storage reallocation report, a net annual reduction in flood control benefits of \$20,010 results from the reallocation of flood control storage to water supply storage. Annual benefits foregone due to the reallocation of flood control storage to water supply storage is \$126,088. Total losses with a reallocation from flood control storage would be \$146,098.

The hydropower revenue that would be lost because of the storage reallocation was evaluated on the basis of current rate levels and projected over the new period of analysis. Revenues foregone are based on the current rates of the marketing agency, which in the case of the White River projects is the Southwestern Power Administration (SWPA). The rates in effect as of October 2006 were:

On-peak energy charge:	14.9 mills/kWh
Off-peak energy charge:	8.2 mills/kWh
Capacity charge:	\$42.34/kW-year

These values were applied to estimates of annual capacity and energy losses resulting from reallocation of storage to determine the annual value of hydropower revenue foregone.

If hydropower revenues are reduced as a result of a reallocation, the power marketing agency would be credited for the amount of revenues to the Treasury foregone as a result of the reallocation assuming uniform annual repayment. In instances where existing contracts between the power marketing agency and its customer would result in a cost to the Federal Government to acquire replacement power to fulfill the obligations of contracts, an additional credit to the power marketing agency can be made for such costs incurred during the remaining period of the contracts. Such credits can be made for replacement costs when the costs are incurred and documented by the power marketing agency.

Table 17 reflects the current and cumulative impacts (reduction in yield) to hydropower from the reallocation of flood control storage.

**Table 17. Greers Ferry Lake Cumulative Reallocations**

User	Yield (MGD)	Storage (AF)	New Cons. Pool Elevation
Community Water Systems Phase I	0.185	228.0	461.19
Community Water Systems Phase II	3.100	4,047.7	461.19
Community Water Systems Phase III	3.500	4,329.7	461.25
Red Apple Inn and Country Club	0.053	65.6	461.26
Thunderbird Country Club	0.045	55.7	461.26
Heber Springs II	2.860	3,554.1	461.37
Tannenbaum Golf Course	0.073	90.3	461.38
Clinton II	1.800	2,179.7	461.44
MAWA	15.000	18,730.0	462.04
<b>Totals</b>	<b>26.616</b>	<b>33,280.8</b>	

Source: Appendix A, Water Supply Storage Reallocation Report.

#### 4.8.2 Lake Ouachita

Flood Control Benefits Foregone. A reallocation from the flood control pool adversely affects project operation for hydropower operation and when the flood control pool becomes full. Therefore, reallocating flood control storage would affect flood control benefits during the rare, low-frequency flood events, because high-frequency events can be held by the remaining flood

control storage and released in a fashion that will not cause flooding downstream. At the top of the flood control pool, the lake has a surface area of 48,300 acres. A reallocation of 33,303 AF would reduce the current amount of flood control storage by 5.4 percent.

To measure the value of flood benefits foregone due to this reduction in available flood control storage, an estimate of flood control benefits foregone using annual flood losses prevented since the project was completed was utilized in the preparation of the storage reallocation report. Table 15 of the storage reallocation report lists annual flood damages prevented factored to 2004 price levels using the Index of Prices Received by Farmers for all farm products. This Index was used because the flood damages prevented were predominately agricultural in nature. As Table 14 of the storage reallocation report indicates, there will be \$119,623 estimated average annual revenues foregone by hydropower due to the reallocation of 33,303 AF of flood control storage.

To date, including this reallocation, 39,817.3 AF of flood control storage has been reallocated to water supply storage (Appendix B, Water Supply Storage Reallocation Report). The cumulative effects of these reallocations are estimated to reduce the flood control benefits by approximately \$61,950 annually.

Effects on Hydropower Generation. Reallocating 33,303 AF of flood control storage would have an effect on hydropower generation, based on calculations produced by HAC. Hydropower would also be affected by a reduction in secondary energy due to the reduced amount of water to be evacuated from flood control storage. The hydropower firm yield would be reduced by 14.434 mgd due to this reallocation. Although this amount will not be included in the water supply agreement, it is used to estimate the reallocation effects on hydropower. Instead, the results presented in the NWD report were used to estimate the effects of reallocating 33,303 AF from flood control storage.

By using data provided by HAC, Table 13 of the storage reallocation report shows that a reduction in yield of 20.0 mgd would result in benefit losses in the form of lost energy and capacity losses of 3,249 megawatt-hours (MWh) and 944 kilowatts (kW) from the flood pool and 4,116 MWh and 1,351 kW from the conservation pool, respectively.

As shown in Table 15 of the storage reallocation report, a net annual reduction in flood control benefits of \$51,820 results from the reallocation of flood control storage to water supply storage. Annual benefits foregone due to the reallocation of flood control storage to water supply storage is \$244,922. Total losses with a reallocation from flood control storage would be \$296,742.

The hydropower revenue that would be lost because of the storage reallocation was evaluated on the basis of current rate levels and projected over the new period of analysis. Revenues foregone are based on the current rates of the marketing agency, which in the case of the White River projects is the Southwestern Power Administration (SWPA). The rates in effect as of October 2006 were:

On-peak energy charge:	14.9 mills/kWh
Off-peak energy charge:	8.2 mills/kWh
Capacity charge:	\$42.34/kW-year

These values were applied to estimates of annual capacity and energy losses resulting from reallocation of storage to determine the annual value of hydropower revenue foregone.

If hydropower revenues are reduced as a result of a reallocation, the power marketing agency would be credited for the amount of revenues to the Treasury foregone as a result of the reallocation assuming uniform annual repayment. In instances where existing contracts between the power marketing agency and its customer would result in a cost to the Federal Government to acquire replacement power to fulfill the obligations of contracts, an additional credit to the power marketing agency can be made for such costs incurred during the remaining period of the contracts. Such credits can be made for replacement costs when the costs are incurred and documented by the power marketing agency.

Table 18 reflects the current and cumulative impacts (reduction in yield) to hydropower from the reallocation of flood control storage.

**Table 18. Lake Ouachita Cumulative Reallocations**

User	Yield (MGD)	Storage (AF)	New Cons. Pool Elevation
North Garland County Regional Water District I	1.0	1,659.1	578.04
North Garland County Regional Water District II	3.0	4,977.3	578.16
MAWA	20.0	33,303.0	578.98
<b>Totals</b>	24.0	39,939.4	

Source: Appendix A, Water Supply Storage Reallocation Report.

Under the No-Action Alternative, it is expected that there will be no disruption to the socioeconomics of the study area. Populations, income, poverty, and economic activity are expected to continue along their current trends. Economic and population growth may be somewhat inhibited by the lack of available water supply.

**4.9 RECREATION**

As a whole for both lakes, recreational resources should not be impacted by either the proposed action, reallocation from the conservation pool, or the No-Action alternative since water levels will not change perceivably from current conditions. The proposed new water intake pump station at Lake Ouachita will likely have a small exclusion zone surrounding the intake pipe in the lake. This would result in the loss of this area for recreational use. However, in consideration of the amount of area remaining available for recreation use, this loss would be insignificant.

#### 4.10 CUMULATIVE IMPACTS

Cumulative impacts are defined in 40 CFR 1508.7 as those impacts that result from:

*...the incremental impacts of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (federal or nonfederal) or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time.*

Cumulative impacts result when the effects of an action are added to or interact with other effects in a delineated geographic space and within a defined time period. The combination of these effects, and any resulting environmental degradation, is the focus of cumulative impact analysis. The concept of cumulative impacts considers all disturbances, direct or indirect, because cumulative impacts result in the compounding of the effects of all actions over time. Consequently, the cumulative impacts of an action can be viewed as the total effects on a resource, ecosystem, or community of the proposed action and all other actions affecting that item regardless of the entity (i.e., federal, non-federal, or private) responsible for the actions.

Activities that may result in cumulative impacts include, but are not limited to, the addition of materials to the environment from multiple sources, repeated removal of materials or organisms from the environment, and repeated environmental changes over large areas and long periods. Complicated cumulative effects occur when stresses of different types combine to produce a single effect or suite of effects. Large, contiguous habitats can be fragmented, making it difficult for organisms to locate and maintain populations in disjunct habitat fragments. Cumulative impacts may also occur when the timing of perturbations is so close in space that their effects overlap.

In assessing cumulative impacts, consideration should be given to the following items:

- The degree to which the proposed action affects public health and safety;
- Unique characteristics of the geographic area;
- The degree to which the possible effects on the human environment are highly controversial; and
- Whether the action is related to other actions with individually insignificant but cumulatively significant impacts on the environment.

Council on Environmental Quality (CEQ) regulations explicitly state that cumulative impacts must be evaluated and with direct and indirect effects of alternatives in NEPA documents. By mandating the assessment of cumulative impacts, the regulations ensure that the range of actions considered in NEPA documents includes not only the proposed action but also all past, present, or reasonably foreseeable future actions that could contribute to cumulative impacts. With this guidance in mind, the following section discusses actions that have been identified that when

combined with the current proposed action of water reallocation from Greers Ferry Lake and Lake Ouachita could have a cumulative effect on the environment.

#### **4.10.1 Geographic and Temporal Boundaries**

This analysis begins with the establishment of a set of geographic and temporal boundaries within which the cumulative effects of past, present, and reasonably foreseeable future actions will be assessed. Defining these boundaries is an important process in refining the scope of the cumulative impact assessment.

##### **4.10.1.1 Geographic Boundaries**

Greers Ferry Lake- The geographic boundaries for the Greers Ferry Lake project area include the lake itself, the surrounding shoreline, and the upland habitat and communities immediately adjacent to the shoreline.

The Greers Ferry Lake begins at the Greers Ferry Dam, which is located at river mile 79.0 on the Little Red River. The lake is about two miles northeast of Heber Springs, Arkansas, about 50 air miles northeast of Little Rock, Arkansas, and about 115 air miles northwest of Memphis, Tennessee. The lake area contains over 30,000 acres of water surface and extends in a westerly direction upstream from the dam approximately 50 miles into Cleburne and Van Buren counties, Arkansas.

Lake Ouachita - The geographic boundaries for the Lake Ouachita project area include the lake itself, the surrounding shoreline, and the upland habitat and communities immediately adjacent to the shoreline. Additionally, the boundaries include the corridor for the proposed pipeline to transport water from the lake to the City of Hot Springs.

Lake Ouachita begins at the Blakely Mountain Dam, which is located 13 miles northwest of Hot Springs, Arkansas, on the Ouachita River. The surface acreage averages from approximately 40,000 to 48,000 acres throughout the year. The lake extends approximately 35 miles along the old Ouachita River channel in Garland and Montgomery counties, Arkansas.

##### **4.10.1.2 Temporal Boundaries**

Greers Ferry Lake - The cumulative impacts from past actions at Greers Ferry Lake involve predominantly the impoundment of the Little Red River and subsequent reallocations of water from the lake. Because significant impacts to natural resources and human communities began with the impoundment of the lake, the temporal boundary for cumulative impact is considered to have begun in 1964. Because the lake was created under the authority of the Water Supply Act of 1958, it will remain an authorized project until Congress determines otherwise. Consequently, the lake's status must be considered indefinite and no future temporal boundary can be established for cumulative impacts assessment.

Lake Ouachita - The cumulative impacts from past actions at Lake Ouachita involve predominantly the impoundment of the Ouachita River and subsequent reallocations of water

from the lake. Because significant impacts to area resources began with the impoundment of the lake, the temporal boundary for cumulative impact is considered to have begun in 1953. As with Greer's Ferry Lake, Lake Ouachita was created under the authority of the Water Supply Act of 1958 and will remain an authorized project until Congress determines otherwise. The lake's status must therefore be considered indefinite and no future temporal boundary can be established for cumulative impacts assessment.

#### **4.10.2 Past Actions**

##### **4.10.2.1 Past Engineering Projects**

Greers Ferry Lake - The only significant engineering project undertaken for Greers Ferry Lake was the creation of the lake by the construction of Greers Ferry Dam and the impoundment of the Little Red River, which was completed in July 1964. The creation of Greers Ferry Lake altered aquatic and terrestrial habitat in the project area, converting the area within the lake's footprint from a riverine to a lacustrine environment. The creation of the lake significantly transformed environmental and economic conditions in the region. Human communities and industries in the footprint of the lake were forced to relocate. Cultural resources within the lake footprint were inundated. The main stem of the Little Red River was transformed from a lotic (free-flowing) aquatic habitat to a lentic (static) aquatic habitat. Additionally, the surrounding uplands were likewise converted to a lotic aquatic habitat. This habitat conversion restricted the habitat diversity in the region but increased the available aquatic habitat, resulting in the proliferation of a number of game fish species. The increase in fish species together with the increased area for water sports led to an increase in recreation opportunities and activities in the region, which in turn led to the growth of communities to support recreation at the lake. Therefore, the creation of Greer's Ferry Lake resulted in a net benefit to socioeconomic conditions in the project area.

Lake Ouachita - The only significant engineering project at Lake Ouachita was the creation of the lake by the construction of Blakely Mountain Dam and the impoundment of the Ouachita River, which was completed in the spring of 1953. As with Greers Ferry Lake, the creation of Lake Ouachita altered aquatic and terrestrial habitat in the project area, converting lotic aquatic habitat and terrestrial upland and wetland habitat to lentic aquatic habitat. Human communities and industries within the lake footprint were forced to relocate, and cultural resources within the footprint were inundated. The increase in available aquatic habitat fostered the proliferation of game fish species and an increase in water sport activities. The increase in recreation opportunities and activities in the region then led to the growth of communities around the lake, resulting ultimately in a net benefit to socioeconomic conditions in the project area.

##### **4.10.2.2 Past Water Reallocations**

Greers Ferry Lake - There have been numerous M&I water supply reallocations from Greers Ferry Lake since the project's inception. The USACE has reallocated 11,586 AF within its authority and 4,550 AF by direction of Congress for M&I water supply storage at Greers Ferry Lake. A summary of past water supply reallocations is provided below.



Past water allocations/reallocations for the Community Water System are as follows:

- The initial water supply agreement with the Community Water System (CWS) was approved by the Assistant Secretary of the Army for Civil Works on 29 April 1971. The agreement provided that the user shall have the right to utilize 0.0314 percent of the storage space in the project between elevations 461 and 435 feet above National Geodetic Vertical Datum (NGVD), estimated to be 225 AF. Current yield calculations indicate that 229 AF of storage will provide 0.185 mgd.
- A water supply agreement with CWS was approved by the Assistant Secretary of the Army for Civil Works on 17 February 1995. This second agreement with CWS provided that the user shall have the right to utilize 0.524 percent of the storage space in the project between elevations 461.19 and 435.0 feet NGVD, estimated to be 3818.8 AF. This reallocation of flood control storage to conservation storage for water supply use brought CWS's total storage to 4,047.8 AF.
- CWS signed a third reallocation agreement in September 1998 for storage in Greers Ferry Lake to provide for the expansion of their facilities to serve parts of White and Lonoke counties. Their desired yield was 3.5 million gallons per day or 4,329.7 AF of storage. This amount of storage is 0.59 percent of the usable storage between elevations 461.26 and 435.0 feet NGVD. Reallocations of storage for water supply use bring CWS's total storage to 8,377.4 AF.

Other past water allocations/reallocations for Greers Ferry Lake are as follows:

- Construction of the Greers Ferry Dam Project, which was completed in 1964, inundated the water intake structure of the city of Heber Springs. Under Contract DA-03-CIVENG-59-184, the city's 0.835-mgd water supply pump station was relocated from the bank of the Little Red River to a point above elevation 491 to allow for construction of the project. A provision of the relocation contract allows Heber Springs to perpetually withdraw 0.835 mgd without additional cost to the city. The relocation contract did not specify a storage amount, but subsequent computations have determined the required storage for this yield is 1,033 AF.
- An initial water supply agreement with the city of Clinton, Arkansas was approved by the Assistant Secretary of the Army for Civil Works on 4 November 1970. The agreement provided that the user shall have the right to utilize 0.126 percent of the storage space in the project between elevations 461 and 435 feet NGVD, estimated to be 913 AF.
- The Little Rock District Engineer executed a water supply agreement with the RAICC on 17 June 1996. The agreement provided that the user shall have the right to utilize 65.6 AF or 0.004 percent of the usable storage space in the Greers Ferry Lake project between elevations 435.00 and 487.00 feet NGVD.

- Thunderbird Country Club, Incorporated signed a water supply agreement for 55.7 AF on 10 March 1998.
- Silver Ridge Development, Incorporated signed a water supply agreement for 90.306 AF on 14 November 1998.

Lake Ouachita - Storage for water supply has been reallocated only once since the construction of Blakely Mountain Dam – Lake Ouachita. This water supply agreement was executed on February 14, 1996, between the North Garland County Regional Water District (NGCRWD) and the United States Government. The agreement was for 1,575 AF (current yield analysis data requires 1,659 AF to provide 1 mgd) of storage to provide a yield of 1 mgd.

### 4.10.3 Present Actions

#### 4.10.3.1 Current and Pending Engineering Projects

Greers Ferry Lake – Community Water System Public Water Authority of the State of Arkansas (PWA) and Lonoke/White PWA have obtained a permit to construct an intake structure on the southern portion of Greers Ferry Lake near Cove Creek. The intake will initially handle seven million gallons per day (mgd) peak flow and be capable of 30 mgd. The entire project consists of an intake structure, treatment plant and 60 miles of transmission line to various communities in Lonoke and White counties Arkansas.

Lake Ouachita – A new raw water intake station and force main from Lake Ouachita will be routed within the southern border of the Ouachita National Forest except for a small segment that parallels an existing cross-country pipeline route to Lake Winona. The route roughly parallels a route that was established in the 1975 report titled *Central Arkansas Water Study* prepared for the Mid-Arkansas Regional Water Distribution District. This line would branch to provide Hot Springs Village with raw water service. The branch could terminate at Lake Lago or the WTP for Hot Springs Village.

#### 4.10.3.2 Current and Pending Water Reallocations

Greers Ferry Lake – The reallocation requested by MAWA for 18,730 AF would not surpass the USACE reallocation limit of 50,000 AF. Although the reallocation authority is for storage and not safe yield, the intent and actual calculations are based on using the safe yield requested by the customer to determine the amount of storage that will provide that yield. As stated in the Water Supply Handbook, IWR Report 96-PS-4 (Revised), page 2-3, "Repayment agreements for storage space will base the amount of storage to be provided on the yield required by the non-Federal sponsor."

At the writing of the current storage reallocation report, there are two reports pending approval for reallocation from storage in Greers Ferry Lake: (1) the City of Heber Springs (Congressional Flood Pool Reallocation, 3,525.135 AF); and (2) the City of Clinton (Discretionary Flood Pool Reallocation, 2,161.952 AF. Table 19 lists the current and pending water users at Greers Ferry Lake.

**Table 19. Current and Pending Water Supply Users at Greers Ferry Lake**

Water Supply User	Current Yield MGD	Current Yield AF
MAWA	15.000	18,730.000
Searcy County (pending)	4.075	5,041.060
Clinton (pending)	1.762	2,179.717
Tannenbaum	0.073	90.306
City of Heber Springs (pending)	2.873	3,554.102
Thunderbird	0.045	55.668
CWS3	3.500	4,329.745
Red Apple Inn	0.053	65.565
CWS2	3.087	3,818.835
CWS1	0.185	228.858
Clinton	0.738	912.958
City of Heber Springs	0.835	1,032.953
Hydropower	573.569	709,545.575
<b>Total</b>	<b>605.795</b>	<b>749,411.392</b>

Source: Appendix A, Water Supply Storage Reallocation Report.

Lake Ouachita – Currently, a second request by the NGCRWD for 3 mgd is being processed by the Vicksburg District. This will require the reallocation of about 4,977.261 AF of storage. Based on the past reallocation, it is assumed that the second reallocation request would be made from the flood control pool, and after dependable yield mitigation storage is accounted for, 33,303 AF would be available for MAWA. A flood control pool reallocation would allow MAWA to purchase 33,303 AF of storage in Lake Ouachita.

This reallocation is requested by MAWA for 33,303 AF and would not surpass the USACE reallocation limit of 50,000 AF. As with Greers Ferry Lake, the intent and actual calculations for Lake Ouachita are based on using the safe yield requested by the customer to determine the amount of storage that will provide that yield.

**4.10.4 Reasonably Foreseeable Future Actions**

**4.10.4.1 Future MAWA Water Delivery System**

Currently, MAWA intends to use the existing infrastructure to supply water from Greers Ferry Lake and Lake Ouachita (understanding that the new pump station and pipeline for the city of Hot Springs is included in this documentation as part of the current action). No additional treatment facilities or linework are currently planned and are, therefore, not considered part of this reallocation.

With the population of central Arkansas area expected to continue increasing at the current rate, it is reasonable to expect that MAWA would seek additional storage at some future time. Another reallocation would most likely require additional infrastructure (pumping plants, treatment facilities, pipelines, etc.).

Additional future water supply needs could also result in the need to develop new water supply sources such as creating reservoirs by damming currently free-flowing rivers and streams, which would result in the loss of wildlife habitat and the alteration of existing aquatic habitat in those stream sections affected by the dams. Economic impacts would also be felt by land owners who would be affected by the acquisition of their property for use in the reservoirs.

Potential impacts from future infrastructure will require detailed analysis and documentation of compliance with federal laws such as the NEPA, Endangered Species Act (ESA), and the National Historic Preservation Act (NHPA), among others, before any construction begins, if any federal agencies are involved or any federal funds are utilized to plan or construct these improvements.

Potential impacts, depending on the amount of the reallocation of storage and/or the exact location of water treatment facilities, pipeline routes, etc. could have impacts on most of the resources identified in this EA, such as land use, water resources, biological resources, cultural resources, and floodplains and wetlands. Permits such as that required under Section 404 of the Clean Water Act for impact to wetlands would almost certainly be required for any pipeline crossings of streams and other water bodies.

**4.10.5 Cumulative Impacts Assessment**

Table 20 summarizes the cumulative impacts resulting from the proposed action and any reasonably foreseeable future actions related to the proposed action. Cumulative impacts are assessed individually for each resource area identified in Section 3.0 above.

**4.10.6 Summary and Conclusion**

The most significant environmental impacts, in consideration of cumulative effects, undoubtedly occurred at the time of construction of the Blakely Mountain and Greers Ferry dams and the creation of Lake Ouachita and Greers Ferry Lake in the 1950s and 1960s, respectively.

**Table 20. Cumulative Impacts Assessment**

Resource Area	Past Actions	Proposed Action Reallocation/ Present Actions	Reasonably Foreseeable Future Actions	Cumulative Impact
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<b>Land Use</b>	These actions resulted in the removal of some lands from agricultural or industrial use due to submersion. Some lands were also removed by increased urbanization of lands surrounding the lakes.	Potential increase in urbanization due to availability of additional M&I water supply.	Potential increase in urbanization due to availability of additional M&I water supply.	Lands inundated by the formation of the lakes have been eliminated from human use. Otherwise, no change from current conditions.
<b>Topography, Physiography, and Soils</b>	Submersion of upland terrestrial soils from lake creation converted upland soils to aquatic soils. Some area soils were converted to urban environment because of an increase in urbanization resulting from additional M&I water supply.	Potential conversion of soils to urban environment could result if urbanization increases because of additional M&I water supply. Minor impacts to area soils in the footprint of the proposed pipeline and pump station would result from construction of said structures.	Potential conversion of soils to urban environment could result if urbanization increases because of additional M&I water supply.	Soils inundated by the formation of the lakes have been converted from terrestrial to aquatic soils. Some soils in the vicinity of the lakes have been converted to urban environment because of increased urbanization of areas surrounding the lakes.
<b>Water Resources</b>	These actions have increased the quantity of water available in the project areas by creating Greers Ferry Lake and Lake Ouachita.  Increase in water needs from increase in urbanization due to availability of M&I water supply.	These actions have reduced, to a minor amount, the quantity of water in Greers Ferry Lake and Lake Ouachita available for other purposes.  Potential increase in future water needs from potential increase in urbanization due to availability of additional M&I water supply.  Temporary local increase in turbidity in lake and stream waters due to intake and pipeline construction activities. Stream and/or wetlands pipeline crossings may require Section 404 permits.	Future pipeline crossings of streams and other water bodies could potentially require Section 404 permits. Temporary local increase in turbidity in lake and/or stream waters due to construction activities.	Congressional approval may be required for future water reallocations at Greers Ferry Lake or Lake Ouachita should they exceed the Corps' limit of 50,000 AF.
<b>Cultural Resources</b>	Submersion of some cultural resources caused by increase in water levels resulting from lake creation.	No adverse effects anticipated from water reallocations due to no change in water levels.  Potential adverse effect due to construction depending upon WTP locations and route of pipelines. Cultural resources investigations would be required to obtain necessary clearances prior to construction.	Potential adverse effect due to construction depending upon future WTP locations and route of pipelines. Cultural resources investigations would be required to obtain necessary clearances prior to construction. Possibility of minor cultural resource disturbance from potential increase in urbanization due to availability of additional M&I water supply.	Original formation of lakes likely resulted in loss of some cultural resources. Cultural resources investigations and mitigation would negate any impacts to cultural resources due to the construction of the pump station and pipeline.

**Table 20. Cumulative Impacts Assessment (cont'd)**

Resource Area	Past Actions	Proposed Action Reallocation/ Present Actions	Reasonably Foreseeable Future Actions	Cumulative Impact
<b>Biological Resources</b>	Habitat disturbance resulting from the conversion of lotic aquatic and terrestrial upland and wetland habitat to lentic aquatic habitat. Increase in aquatic habitat and, in particular, fishery resources.	Possibility of minor habitat disturbance from potential increase in urbanization due to availability of additional M&I water supply.  Water intake and pipeline construction will result in minor habitat disturbance and loss. Coordination with state and federal agencies would insure no significant impacts.	Possibility of minor habitat disturbance from future water treatment plant and pipeline construction. Coordination with state and federal agencies would insure no significant impacts to valuable habitat. Future regional water needs may result in the necessary damming and reservoir construction of currently free-flowing rivers. This would result in the loss of wildlife habitat and the alteration of existing aquatic habitat.	Original formation of lakes converted significant amounts of land from wildlife habitat to aquatic habitat. Only minor construction related habitat disturbance due to new water intake and pipeline. No endangered or threatened species would be impacted.
<b>HTRW</b>	None	None	HTRW investigations would be performed prior to construction.	None, currently.
<b>Air Quality</b>	Increases in air emissions due to additional thermal (coal, etc.) generation of electricity resulting from a small loss in hydropower generation.	Minor increases in air emissions due to additional thermal (coal, etc.) generation of electricity resulting from a small loss in hydropower generation.	Temporary increase in dust during construction. Temporary increase in emissions from construction equipment.	Potential minor increase in emissions if other sources of electrical generation are required to mitigate hydropower losses.
<b>Noise</b>	Temporary increases in noise emissions from construction activities.	Minor temporary increase due to construction of new pump station and pipelines.	None	None
<b>Socio-economic</b>	Creation of significant amount of hydropower benefits. Benefit to local growth potential because of a reliable water supply.	Loss of an insignificant amount of hydropower benefits. Benefit to local growth potential because of a reliable water supply.	Benefit to local economic growth potential because of a reliable water supply distribution. Should increased regional water supply needs result in the creation of new reservoirs on rivers and streams, local economic impacts could result from the acquisition of land from land owners for reservoir use.	Cumulative impacts to hydropower production could result from future water reallocations as a result of decreased storage. Whether this impact would be significant depends upon the size of future reallocations and is in fact regulated by the authority given to the Chief of Engineers in paragraph 4-32d(1) of ER 1105-2-100, Policy and Planning, which states that the Commander, USACE is authorized to reallocate up to 15 percent or 50,000 AF, whichever is less, of the total storage capacity allocated to all authorized project purposes, provided the reallocation has no severe effect on other authorized purposes and will not involve major structural or operational changes.
<b>Recreation</b>	No adverse impacts to any recreation resources.	No significant adverse impacts to any recreational resources.	No significant adverse impacts to any recreational resources.	No adverse cumulative impacts to recreation.

Future reallocations, depending on size, areas impacted, and design features, could result in adverse cumulative impacts (at least potentially) to almost all of the resources evaluated above. Minor temporary impacts to biological and water resources and soils will likely result from the construction of the new pump station and pipeline. Potential impacts to cultural resources could result from pipeline and pump station construction, should any such resources be disturbed by construction activities. Minor permanent cumulative impacts to air quality, the noise environment, and HTRW sources would occur should diesel power be selected for the pump.

With the increase in availability of water from municipal and industrial use will likely come an increase in development and population in the project areas. These actions could result in minor adverse impacts to land use, water resources, cultural resources, biological resources, air quality, and the noise environment. However, beneficial impacts may occur to the socioeconomic structure and recreational opportunities and facilities as a result of the proposed action and reasonably foreseeable future actions.

## 5.0 CONCLUSIONS

This EA has evaluated the proposed action of reallocating storage from Greers Ferry Lake and Lake Ouachita to water supply. This EA considered and evaluated the reallocation of storage from the flood control pool, the conservation pool (hydropower pool) and the No-Action Alternative. Consideration was given to alternatives such as water withdrawal from groundwater, existing surface water sources, streams, and construction of a new water supply lake. These alternatives were not viable either economically or environmentally and would not meet the needs of the sponsor. To the extent possible at this early stage of planning, expected impacts from the construction of a new raw water intake pump facility and delivery pipeline have been evaluated as part of the proposed action.

The proposed action, the reallocation from the flood control pool, results in fewer potentially adverse impacts to the environment than the other alternatives presented in this EA. The proposed action would have a slight flood damage benefit reduction, but that reduction is not substantial when the existing current reductions are considered. There have been no significant impacts to the natural or human environment identified as a result of this assessment of the proposed Mid-Arkansas Water Alliance Water Supply Storage Reallocation.



## 6.0 COORDINATION/PUBLIC INVOLVEMENT

The following Agencies and individuals were coordinated with during the preparation of this EA:

- Allan Mueller, Arkansas Field Supervisor, U.S. Fish and Wildlife Service, Arkansas Field Office, 1500 Museum Road, Suite 105, Conway, AR 72032
- Michael P. Jansky, Regional Environmental Review Coordinator, U.S. Environmental Protection Agency, Region VI, 6EN-XP, 1445 Ross Avenue, Suite 1200, Dallas, TX 75202-2733
- Ken Gruenwald, Director, Arkansas Historic Preservation Program, 1500 Tower Building, 323 Center Street, Little Rock, AR 72201
- George Rheinhardt, Arkansas Forestry Commission, 3821 W. Roosevelt Road, Little Rock, AR 72204-6396
- Marcus C. Devine, Director, Arkansas Department of Environmental Quality, Water Division, 8001 National Drive, P.O. Box 8913, Little Rock, AR 72219-8913
- Scott Henderson, Director, Arkansas Game and Fish Commission, 2 Natural Resources Drive, Little Rock, AR 72205
- Karen Smith, Director, Arkansas Natural Heritage Commission, 1500 Tower Building, 323 Center Street, Little Rock, AR 72201
- John E. Terry, District Chief, U.S. Geological Survey, 401 Hardin Road, Little Rock, AR 72211
- Mike Nedd, State Director, Bureau of Land Management, 7450 Boston Boulevard, Springfield, VA 22153
- Michael Deihl, Administrator, Southwestern Power Administration, One West Third Street, Room 1400, Tulsa, OK 74103-3519
- Ted Coombes, Executive Director, Southwestern Power Resources Association, P.O. Box 471827, Tulsa, OK 74147
- Ron Castleman, AR Regional Director, FEMA, Region VI, Federal Regional Center, 800 North Loop 288, Denton, TX 76210
- Earl Smith, Chief, Arkansas Soil and Water Conservation Commission, Water Resource Management Division, 101 E. Capitol, Suite 350, Little Rock, AR 72201

- Richard W. Davies, Executive Director, Department of Parks and Tourism, #1 Capitol Mall, Rm 4A-900, Little Rock, AR 72201
- Faye Boozman, Director, Department of Health, 4815 West Markham, Little Rock, AR 72205
- Kalven L. Trice, State Conservationist, U.S. Department of Agriculture, Natural Resources Conservation Service, 700 West Capitol Ave., Room 3416, Federal Building, Little Rock, AR 72201
- Steve Filipek, State Stream Team Coordinator, Arkansas Game and Fish Commission, 915 Sevier St., Benton, AR 72015
- Earnest Quintana, Regional Director, National Park Service, Midwest Regional Office, 1709 Jackson St, Omaha, NE 68102

Public review of the Draft EA has been completed. The public review period was held between 21 August 2006 and 21 September 2006. During this time, three Public Meetings/Workshops were held in the project area: 1) at Greers Ferry Lake on 12 September 2006, 2) at Lake Ouachita on 13 September 2006, and 3) at Little Rock on 14 September 2006. Response letters from the public review process (i.e., responses to the letters of solicitation of views and comments from the public meetings) are included in Appendix C. Revisions based on comments received during the public review process have been incorporated into the Final EA.

Comments received can be divided into three main categories, those from official agencies and organizations with an interest in the project and/or project area, those from cities or municipalities potentially affected by the proposed action, and those from residents and business owners of the project area.

Of those from agencies and organizations, seventeen letters of support or no comment were received and six letters expressing concerns or requesting further information were received. Most of the concerns dealt with technical data involving calculations of water supply benefits and benefits foregone. However, the U.S. Fish and Wildlife Service expressed concern over the usage of remaining water supply capacity in the two lakes and the implications for future increased water supply needs necessitating the damming of currently free-flowing rivers to form reservoirs for this purpose. The dams would obviously change the terrestrial and aquatic habitats in the rivers and the surrounding flooded lands. However, it was determined that these actions and their resultant impacts are too uncertain at this time to be accurately defined in this document.

Twenty-one letters of support were received from municipalities.

Eight letters expressing concerns or questions were received from residents or business owners. Most of these were concerned with dropping water levels in the lakes over the past few years and the resultant adverse impacts to boating and fishing. One citizen expressed concern that the excellent trout fishing in the Little Red River at Greers Ferry Lake would be affected by the

proposed project. However, no effect is anticipated to the outflow from the Greers Ferry Dam. Therefore, the trout habitat would suffer no adverse impacts in that area of the river.

## **7.0 LIST OF PREPARERS**

Jim Ellis, NEPA Specialist, Environmental Section, Planning, Environmental, and Regulatory Division, U. S. Army Corps of Engineers, Little Rock District

Johnathan Long, P.E., Study Manager, Planning Section, Planning, Environmental, and Regulatory Division, U. S. Army Corps of Engineers, Little Rock District

Michael Collis, Economist, Environmental Section, Planning, Environmental, and Regulatory Division, U. S. Army Corps of Engineers, Little Rock District

Chris Davies, Archeologist, Environmental Section, Planning, Environmental, and Regulatory Division, U. S. Army Corps of Engineers, Little Rock District

Patrick MacDanel, Environmental Department, G.E.C., Inc., Baton Rouge, Louisiana

Joseph Wyble, Environmental Department, G.E.C., Inc., Baton Rouge, Louisiana

Cade E. (Eddy) Carter, P.E., Environmental Department, G.E.C., Inc., Baton Rouge, Louisiana



# Appendix A

## **CORRESPONDENCE**

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**FEMA**

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
REGION VI  
MITIGATION DIVISION**

**PUBLIC NOTICE REVIEW**

We have no comments to offer     We offer the following comments

**WE WOULD REQUEST THAT THE LOCAL  
FLOODPLAIN ADMINISTRATOR BE CONTACTED FOR  
THE REVIEW AND POSSIBLE PERMIT REQUIREMENTS  
FOR THIS PROJECT**

REVIEWER \_\_\_\_\_ MITIGATION DIVISION

DATE 4-20-06



Rec'd EIC Mahoom  
DHS, FEMA, Region 6

2006 APR 10 PM 12: 58

Verdi Adam, PE  
President

6 April 2006

FEMA, Region VI  
Federal Regional Center  
Attn: Mr. Ron Castleman  
Arkansas Regional Director  
800 North Loop 288  
Denton, TX 76210

Re: Preparation of a Programmatic Environmental Assessment  
For Mid-Arkansas Water Alliance, Water Supply Storage Reallocation  
Greers Ferry Lake and Lake Ouachita, Arkansas

06-04-5025

Date Rec'd:	4/10/06		
Initiator:	et		
	Action	Info	Initial
RD		X	
DRD		X	
XA			
FO			
MA			
MP			
MA	X		
AR			
FCO			
MERS			
File		X	
Suspense	04-24-06		
Date:			

Dear Mr. Castleman:

On behalf of our client, the U.S. Army Corps of Engineers-Little Rock District (USACE-LRD), G.E.C., Inc. (GEC) is submitting the following information regarding a Programmatic Environmental Assessment evaluating water supply storage reallocation at Greers Ferry Lake and Lake Ouachita, Arkansas under guidelines set forth by the National Environmental Policy Act (NEPA). As part of the scoping process for this project, GEC is requesting your comments so that any concerns may be addressed in the document.

The Mid-Arkansas Water Alliance (MAWA) has requested the purchase of enough water storage to yield 15 million gallons per day (MGD) in Greers Ferry Lake and 20 MGD in Lake Ouachita for municipal and industrial water supply. A draft reallocation report by the USACE-LRD concluded that 18,730 acre-feet of storage in the flood pool in Greers Ferry Lake is available for reallocation to MAWA to meet the water supply needs of central Arkansas through the year 2025. This available storage represents 2.01% of the current 934,000 acre-feet of flood storage in the lake or 1.13% of the current 1,650,500 acre-feet of useable storage in Greers Ferry Lake. The report further concluded that 33,303 acre-feet of storage in the flood pool is available for reallocation to MAWA in Lake Ouachita to meet the water supply needs of central Arkansas through the year 2025. This available storage represents 5.40% of the current 617,000 acre-feet of flood storage in the lake or 1.75% of the current 1,903,000 acre-feet of useable storage in the lake.

The proposed changes would result in increases in the tops of the conservation pools of 0.6 feet at Greers Ferry Lake and 0.82 feet at Lake Ouachita. These changes would be less than the normal fluctuation regimes of the lakes and would not result in a noticeable change in lake volume or water levels. The project would not require the construction of any infrastructure improvements at Greers Ferry Lake. One intake structure on the southeast shore of Lake Ouachita and approximately one mile of pipeline connecting the structure to the City of Hot Springs water system as currently planned for the project. Maps of the general project area and the proposed project infrastructure at Lake Ouachita are enclosed for your use.



United States Department of Agriculture



Natural Resources Conservation Service  
Room 3416, Federal Building  
700 West Capitol Avenue  
Little Rock, Arkansas 72201-3225

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MAY 11 2000

Mr. Patrick S. MacDanel  
Gulf Engineers & Consultants  
P.O. Box 8410  
Baton Rouge, Louisiana 70809-1910

Dear Mr. MacDanel:

This letter is in response to your request for comments on the improvements for Mid-Arkansas Water Alliance, Water Supply Storage Reallocation on Greers Ferry Lake and Lake Quachita, Arkansas. Since these changes will not result in a noticeable change in lake volume or water levels, there are no concerns about the usage of the water. The pipeline planned at Lake Ouachita is mainly through hilly areas that are not Prime Farmland or through areas that no longer meet the definition due to development. Practices that help prevent erosion should be considered when installing this pipeline. Attached is copy of for CPA-106 for your use.

Should you have any questions or need additional information, please call me at (501) 301-3172.

Sincerely,

A handwritten signature in cursive script that reads "Edgar Mersiofsky".

EDGAR P. MERSIOFSKY  
Assistant State Soil Scientist

Attachments

**FARMLAND CONVERSION IMPACT RATING  
FOR CORRIDOR TYPE PROJECTS**

<b>PART I (To be completed by Federal Agency)</b>		3. Date of Land Evaluation Request <b>4/11/06</b>	4. Sheet 1 of <u>1</u>
1. Name of Project <b>Mid-Arkansas Water Alliance</b>		5. Federal Agency Involved <b>USACE-LRD</b>	
2. Type of Project <b>Rainwater Transmission Main</b>		6. County and State <b>Garland County, Arkansas</b>	
<b>PART II (To be completed by NRCS)</b>		1. Date Request Received by NRCS	2. Person Completing Form
3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form). YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		4. Acres Irrigated   Average Farm Size	
5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: _____ % _____		7. Amount of Farmland As Defined in FPPA Acres: _____ % _____
8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS	

<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment</b>			
	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
A. Total Acres Prime And Unique Farmland				
B. Total Acres Statewide And Local Important Farmland				
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				

**PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)**

PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points				
1. Area in Nonurban Use	15				
2. Perimeter in Nonurban Use	10				
3. Percent Of Corridor Being Farmed	20				
4. Protection Provided By State And Local Government	20				
5. Size of Present Farm Unit Compared To Average	10				
6. Creation Of Nonfarmable Farmland	25				
7. Availability Of Farm Support Services	5				
8. On-Farm Investments	20				
9. Effects Of Conversion On Farm Support Services	25				
10. Compatibility With Existing Agricultural Use	10				
<b>TOTAL CORRIDOR ASSESSMENT POINTS</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)		100			
Total Corridor Assessment (From Part VI above or a local site assessment)		160	0	0	0
<b>TOTAL POINTS (Total of above 2 lines)</b>		<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used?  YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:

Signature of Person Completing this Part: \_\_\_\_\_ DATE \_\_\_\_\_

**NOTE: Complete a form for each segment with more than one Alternate Corridor**

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**CORRIDOR - TYPE SITE ASSESSMENT CRITERIA**

The following criteria are to be used for projects that have a linear or corridor - type site configuration connecting two distant points, and crossing several different tracts of land. These include utility lines, highways, railroads, stream improvements, and flood control systems. Federal agencies are to assess the suitability of each corridor - type site or design alternative for protection as farmland along with the land evaluation information.

(1) How much land is in nonurban use within a radius of 1.0 mile from where the project is intended?

More than 90 percent - 15 points  
90 to 20 percent - 14 to 1 point(s)  
Less than 20 percent - 0 points

(2) How much of the perimeter of the site borders on land in nonurban use?

More than 90 percent - 10 points  
90 to 20 percent - 9 to 1 point(s)  
Less than 20 percent - 0 points

(3) How much of the site has been farmed (managed for a scheduled harvest or timber activity) more than five of the last 10 years?

More than 90 percent - 20 points  
90 to 20 percent - 19 to 1 point(s)  
Less than 20 percent - 0 points

(4) Is the site subject to state or unit of local government policies or programs to protect farmland or covered by private programs to protect farmland?

Site is protected - 20 points  
Site is not protected - 0 points

(5) Is the farm unit(s) containing the site (before the project) as large as the average - size farming unit in the County ?

(Average farm sizes in each county are available from the NRCS field offices in each state. Data are from the latest available Census of Agriculture, Acreage or Farm Units in Operation with \$1,000 or more in sales.)  
As large or larger - 10 points  
Below average - deduct 1 point for each 5 percent below the average, down to 0 points if 50 percent or more below average - 9 to 0 points

(6) If the site is chosen for the project, how much of the remaining land on the farm will become non-farmable because of interference with land patterns?

Acreage equal to more than 25 percent of acres directly converted by the project - 25 points  
Acreage equal to between 25 and 5 percent of the acres directly converted by the project - 1 to 24 point(s)  
Acreage equal to less than 5 percent of the acres directly converted by the project - 0 points

(7) Does the site have available adequate supply of farm support services and markets, i.e., farm suppliers, equipment dealers, processing and storage facilities and farmer's markets?

All required services are available - 5 points  
Some required services are available - 4 to 1 point(s)  
No required services are available - 0 points

(8) Does the site have substantial and well-maintained on-farm investments such as barns, other storage building, fruit trees and vines, field terraces, drainage, irrigation, waterways, or other soil and water conservation measures?

High amount of on-farm investment - 20 points  
Moderate amount of on-farm investment - 19 to 1 point(s)  
No on-farm investment - 0 points

(9) Would the project at this site, by converting farmland to nonagricultural use, reduce the demand for farm support services so as to jeopardize the continued existence of these support services and thus, the viability of the farms remaining in the area?

Substantial reduction in demand for support services if the site is converted - 25 points  
Some reduction in demand for support services if the site is converted - 1 to 24 point(s)  
No significant reduction in demand for support services if the site is converted - 0 points

(10) Is the kind and intensity of the proposed use of the site sufficiently incompatible with agriculture that it is likely to contribute to the eventual conversion of surrounding farmland to nonagricultural use?

Proposed project is incompatible to existing agricultural use of surrounding farmland - 10 points  
Proposed project is tolerable to existing agricultural use of surrounding farmland - 9 to 1 point(s)  
Proposed project is fully compatible with existing agricultural use of surrounding farmland - 0 points

---



# The Department of Arkansas Heritage

Mike Huckabee, Governor  
Cathie Matthews, Director

Arkansas Arts Council

Arkansas Natural Heritage Commission

Delta Cultural Center

Historic Arkansas Museum

Mosaic Templars Cultural Center

Old State House Museum



## Arkansas Historic Preservation Program

1500 Tower Building  
323 Center Street  
Little Rock, AR 72201  
(501) 324-9880  
fax: (501) 324-9184  
tdd: (501) 324-9811

e-mail: [info@arkansaspreservation.org](mailto:info@arkansaspreservation.org)  
website:  
[www.arkansaspreservation.org](http://www.arkansaspreservation.org)

An Equal Opportunity Employer



May 10, 2006

Mr. Patrick S. MacDanel  
Senior Environmental Scientist/Wildlife Biologist  
Gulf Engineers & Consultants  
Post Office Box 84010  
Baton Rouge, Louisiana 70884-4010

RE: Multi County - General  
Section 106 Review - COE  
Water Supply Reallocation, Greer's Ferry Lake and Lake Ouachita  
AHPP Tracking No: 59920

Dear Mr. MacDanel:

My staff has reviewed the documentation submitted regarding the above referenced undertaking. It is our opinion that reallocation of water storage at Greers Ferry Lake and Lake Ouachita will have no adverse effect on historic properties. Although the conservation pool at each lake will be slightly higher, we do not believe that the effects of shoreline erosion will be worsened and areas previously unaffected will remain so.

With regard to the construction of the intake structure and pipeline at Lake Ouachita, our records do not show any cultural resources within this area. However, archeological sites are known to occur in similar environments elsewhere. If cultural remains, such as Native American pottery, stone tools, bones, old bottles or china are discovered during project implementation, work in the area of discovery should stop and this office should be contacted immediately.

Thank you for the opportunity to comment on this undertaking. If you have any questions, please contact Steve Imhoff of my staff at (501) 324-9880.

Sincerely,

**Ken Grunewald**  
Deputy State Historic Preservation Officer

cc: Mr. Robert Cast, Caddo Tribe of Oklahoma  
Mr. Christopher G. Davies, Little Rock District Corps of Engineers  
Dr. Ann M. Early, Arkansas Archeological Survey  
Mr. Anthony Whitehorn, Osage Nation  
Ms. Carrie V. Wilson, Quapaw Tribe of Oklahoma

# Arkansas Game and Fish Commission

2 Natural Resources Drive Little Rock, Arkansas 72205

Scott Henderson  
Director

Mike Gibson  
Deputy Director



David Goad  
Deputy Director

Loren Hitchcock  
Deputy Director

April 26, 2006

Patrick S. MacDanel  
Gulf Engineering and Consultants  
P. O. Box 84010  
Baton Rouge, LA 70888-4010

Dear Mr. MacDanel:

Biologists from our agency have reviewed the Programmatic Environmental Assessment evaluating water supply storage reallocation at Greers Ferry Lake and Lake Ouachita, which are located in Van Buren, Cleburne, Montgomery, and Garland Counties, Arkansas.

Our agency has no objections to the proposed project; however, we would like to conduct a separate review of the proposed pipeline and intake structure before construction is started.

Sincerely,

A handwritten signature in blue ink that reads "Michael D. Gibson".

Michael D. Gibson  
Deputy Director



A R K A N S A S  
Department of Environmental Quality

4/24/05

Mr. Patrick S. MacDanel  
Gulf Engineers & Consultants  
P.O. Box 84010  
Baton Rouge, LA 70884-4010

RE: Preparation of a Programmatic Environmental Assessment  
For Mid-Arkansas Water Alliance, Water Supply Storage Reallocation  
Greers Ferry Lake and Lake Ouachita, Arkansas

Dear Mr. MacDanel:

The Arkansas Department of Environmental Quality has reviewed the information submitted in the referenced project. We have no comments or concerns, at this time.

If you have any questions or concerns, please contact me at (501) 682-0947.

Sincerely,

A handwritten signature in cursive script, appearing to read "Nathaniel P. Nehus".

Nathaniel P. Nehus  
Chief Ecologist



# Arkansas Department of Health and Human Services



## Division of Health

Paul K. Halverson, DrPH, Director

Engineering Section – Environmental Health Branch – Center for Local Public Health

---

Postal Address	P. O. Box 1437, Slot H-37	Little Rock, AR 72203-1437	1-501-661-2623	TDD: 1-800-234-4399
Physical Address for UPS or Fedex	4815 West Markham St., Slot H-37	Little Rock, AR 72205	Fax: 1-501-661-2032	

---

June 5, 2006

Patrick S. MacDanel  
Gulf Engineers & Consultants  
P.O. Box 84010  
Baton Rouge, LA 70844-4010

Re: Mid-Arkansas Water Alliance, Water Supply Storage Reallocation  
Greers Ferry Lake and Lake Ouachita

Dear Mr. MacDanel,

This is in response to your letter of April 6 to former Department of Health Director Dr. Faye Boozman regarding the reallocation of storage at Greers Ferry Lake and Lake Ouachita for the Mid-Arkansas Water Alliance. The reallocation request is for additional municipal and industrial water supply storage amounting to 15 MGD in Greers Ferry Lake and 20 MGD Lake Ouachita.

The Arkansas Department of Health & Human Services (ADHHS) supports the MAWA request as being in accord with previous water supply master plans for the central Arkansas area, and aligned with state efforts to promote regionalization of water sources, treatment, and distribution. That support is subject to the following conditions.

1. Any proposed water supply intake site on either lake must be approved in advance by the ADHHS.
2. ADHHS regulations regarding a water supply intake will require restrictions on lake uses in the immediate area of the intake (300 ft radius) as well as restrictions on the use of the property adjacent to the intake.
3. All engineering plans and specifications for the proposed project must be approved in advance by the ADHHS.

Should you have any questions regarding these comments, feel free to contact our office. Please be advised that the Department of Health and the Department of Human Services were merged last year and correspondence should be directed to the above address.

Sincerely,

Robert Hart, P.E., Chief Engineer  
Engineering Section

Cc: Charles McGrew, Center for Local Public Health  
Mid-Arkansas Water Alliance, 501 West Markham Street, Suite B, Little Rock, AR 72201





# Appendix B

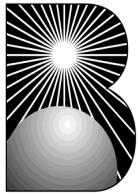
## ENVIRONMENTAL DATABASE REPORTS

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# Greers Ferry Lake





Banks Information Solutions, Inc.

## **Environmental FirstSearch™ Report**

TARGET PROPERTY:

**GREERS FERRY LAKE**

**HIGDEN AR 72067**

Job Number: 0620-02

**PREPARED FOR:**

GEC, INC.

P.O. Box 84010

Baton Rouge, LA 70884

06-20-06



*Tel: (512) 478-0059*

*Fax: (512) 478-1433*

# *Environmental FirstSearch Search Summary Report*

**Target Site:** GREERS FERRY LAKE  
HIGDEN AR 72067

## FirstSearch Summary

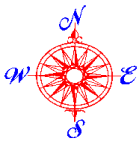
Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-10-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	03-08-06	0.50	0	0	0	0	-	1	1
NFRAP	Y	03-08-06	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	04-16-06	0.50	0	0	0	1	-	0	1
RCRA COR	Y	04-16-06	1.00	0	0	0	1	0	0	1
RCRA GEN	Y	04-16-06	0.25	0	0	1	-	-	4	5
ERNS	Y	12-31-05	0.15	1	0	0	-	-	2	3
State Sites	Y	NA	1.00	0	0	0	0	0	0	0
SWL	Y	12-09-04	0.50	0	0	0	0	-	1	1
REG UST/AST	Y	05/15/06	0.25	3	5	3	-	-	20	31
Leaking UST	Y	05/15/06	0.50	3	1	0	0	-	0	4
- TOTALS -				7	6	4	2	0	28	47

### Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Information Solutions, Inc., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Information Solutions, Inc.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

### Waiver of Liability

Although Banks Information Solutions, Inc. uses its best efforts to research the actual location of each site, Banks Information Solutions, Inc. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Information Solutions, Inc.'s services proceeding are signifying an understanding of Banks Information Solutions, Inc.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.



# Environmental FirstSearch

1 Mile Radius from Area  
Single Map:

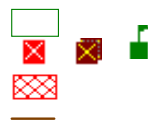


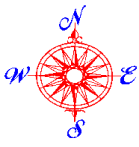
## GREERS FERRY LAKE , HIGDEN AR 72067



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....



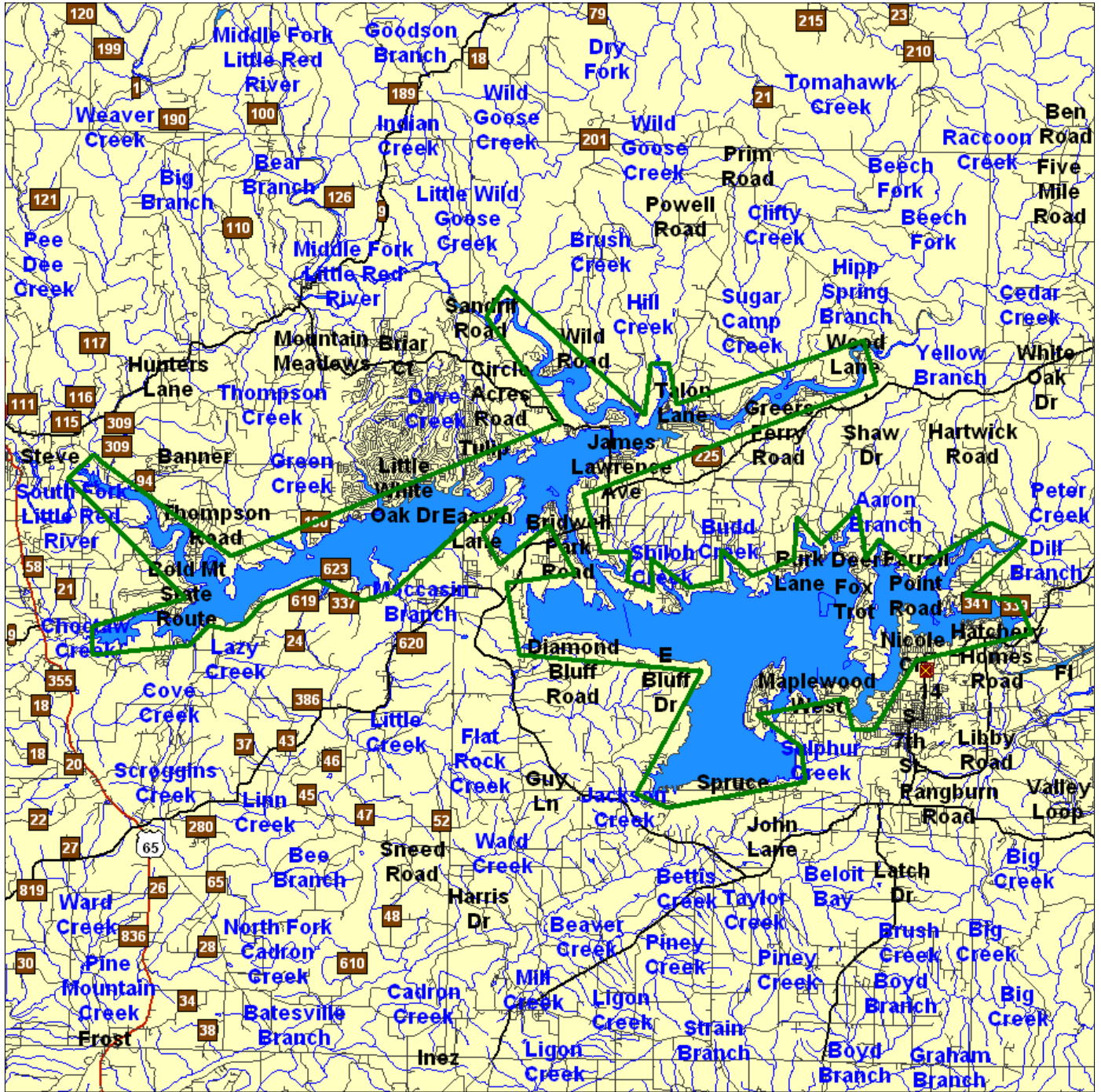


# Environmental FirstSearch

1 Mile Radius from Area  
ASTM: NPL, RCACOR, STATE

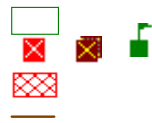


## GREERS FERRY LAKE , HIGDEN AR 72067



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





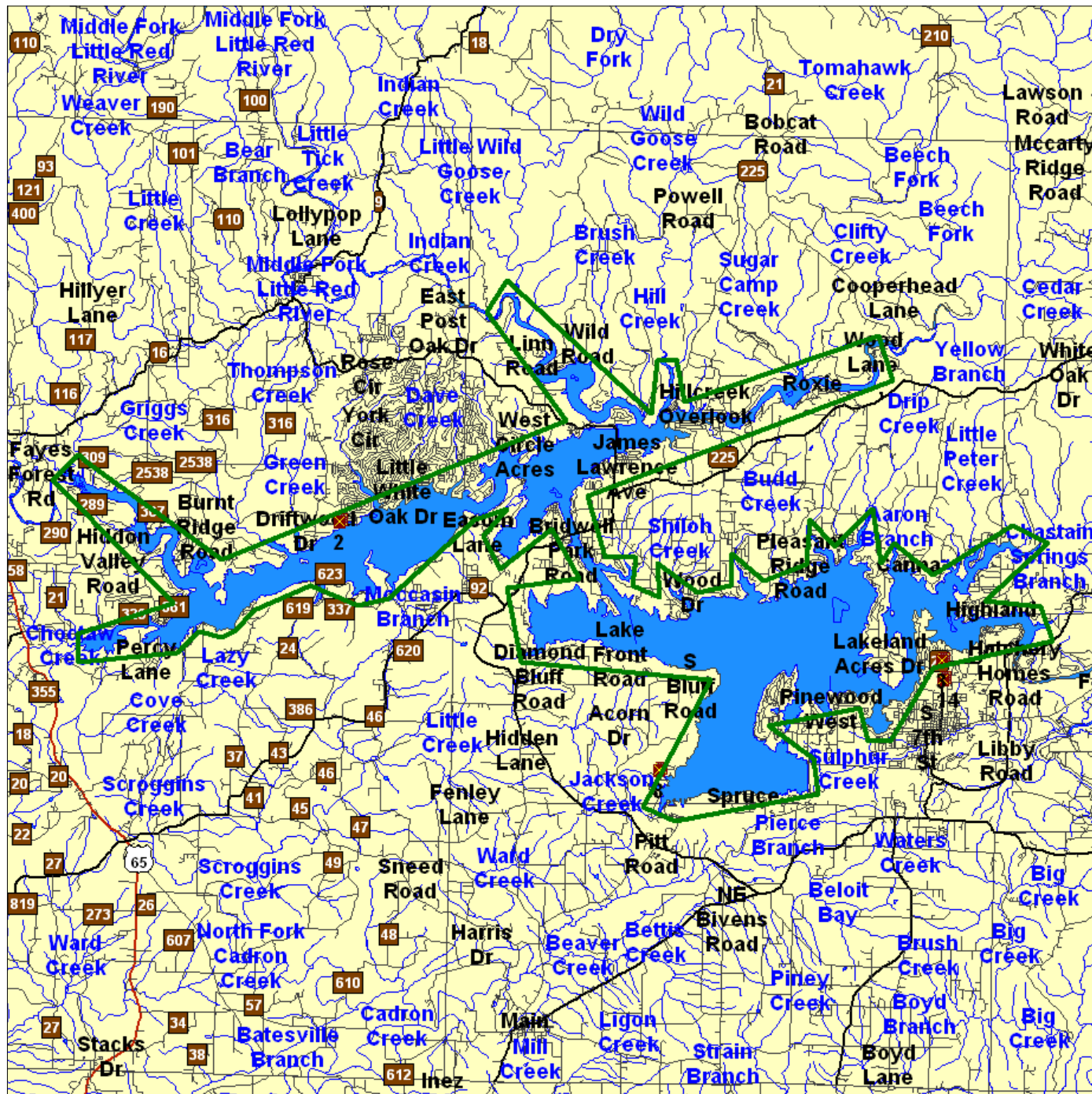


# Environmental FirstSearch

.5 Mile Radius from Area  
ASTM: CERCLIS, NFRAP, RCRATSD, LUST, SWL



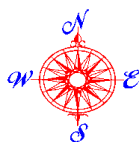
## GREERS FERRY LAKE , HIGDEN AR 72067



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





# Environmental FirstSearch

.25 Mile Radius from Area  
ASTM: RCRAEN, UST

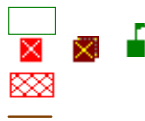


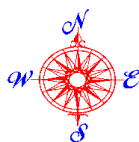
## GREERS FERRY LAKE , HIGDEN AR 72067



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





# Environmental FirstSearch

.15 Mile Radius from Area

ASTM: ERNS

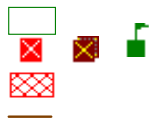


## GREERS FERRY LAKE, HIGDEN AR 72067



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....



**Environmental FirstSearch  
Site Information Report**

**Request Date:** 06-20-06  
**Requestor Name:** davide  
**Standard:** ASTM

**Search Type:** AREA  
**Job Number:** 0620-02  
**Filtered Report**

**TARGET ADDRESS:** GREERS FERRY LAKE  
 HIGDEN AR 72067

*Demographics*

<b>Sites:</b> 47	<b>Non-Geocoded:</b> 28	<b>Population:</b> NA
<b>Radon:</b> 0.7 - 6.6 PCI/L		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-92.204256	-92:12:15	<b>Easting:</b> 572119.618
<b>Latitude:</b>	35.557337	35:33:26	<b>Northing:</b> 3934944.499
			<b>Zone:</b> 15

*Comment*

<b>Comment:</b> GREERS FERRY LAKE PERIMETER SEARCH
--

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 1 Mile(s)	<b>Services:</b>
--------------------------------------	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
72028	CHOCTAW	AR	0.00 --	Y	Sanborns	No
72031	CLINTON	AR	0.00 --	Y	Aerial Photographs	No
72044	EDGEMONT	AR	0.00 --	Y	Historical Topos	No
72088	FAIRFIELD BAY	AR	0.00 --	Y	City Directories	No
72130	PRIM	AR	0.00 --	Y	Title Search	No
72131	QUITMAN	AR	0.00 --	Y	Municipal Reports	No
72153	SHIRLEY	AR	0.00 --	Y	Online Topos	No
72530	DRASCO	AR	0.00 --	Y		
72543	HEBER SPRINGS	AR	0.00 --	Y		
72581	TUMBLING SHOALS	AR	0.00 --	Y		

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**TOTAL:** 47      **GEOCODED:** 19      **NON GEOCODED:** 28      **SELECTED:** 47

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
	CERCLIS	SENTINEL WOOD TREATERS ARD983285222/NOT PROPOSED	1745 HEBER SPRING RD NOETH HEBER SPRINGS AR 72543	NON GC	1
1	ERNS	AROMATIQUE 324236	3421 HWY 25 HEBER SPRINGS AR 72543	0.00 --	3
	ERNS	444548/HIGHWAY RELATED	ELLEN RD LAKESHORE HILLS SU HIGDEN AR	NON GC	4
	ERNS	444506/HIGHWAY RELATED	LAKE SHORES HILL NO.2 HIGDEN AR	NON GC	5
2	LUST	FAIRFIELD BAY MARINA 71-009	POB 1370 FAIRFIELD BAY AR 72088	0.00 --	6
3	LUST	HEBER SPRINGS PUBLIC SCHOOL BU 12-016	800 WEST MOORE STREET HEBER SPRINGS AR 72543	0.00 --	7
2	LUST	FAIRFIELD BAY MARINA 71-007	P.O. BOX 1370 FAIRFIELD BAY AR 72088	0.00 --	8
8	LUST	J & N COVE CREEK GROCERY 12-010	4 COVE CREEK ROAD QUITMAN AR 72131	0.05 NW	9
14	RCRA	SENTINEL INDUSTRIES INC ARD990742165/TSD	1745 HEBER SPRINGS RD N TUMBLING SHOAL AR 72581	0.33 SE	10
14	RCRACOR	SENTINEL INDUSTRIES, INC. ARD990742165/CA	1745 HEBER SPRINGS ROAD NOR TUMBLING SHOAL AR 72581	0.33 SE	13
11	RCRAGN	TRAVIS BOATING CENTERS ARD035513431/VGN	2001 HWY 25 N HEBER SPRINGS AR 72543	0.14 SE	17
	RCRAGN	UNITED PLASTICS TECHNOLOGY, INC. ARR000014944/VGN	1741 HEBER SPRINGS RD N TUMBLING SHOAL AR 72581	NON GC	18
	RCRAGN	US ARMY CORPS ENG-GREERS FERRY PWR AR0960012532/VGN	4M N HEBER SPRINGS HWY 25 HEBER SPRINGS AR 72543	NON GC	19
	RCRAGN	GREERS FERRY GLASS WORKS ARR000007484/VGN	5902 HEBER SPRINGS RD QUITMAN AR 72131	NON GC	20
	RCRAGN	FORMER UNITED PLASTICS TECHNOLOGY, ARR000014936/SGN	1060 HEBER SPRINGS RD S HEBER SPRINGS AR 72543	NON GC	21
	SWL	NORTH CENTRAL ARK LF AUTHORITY 0218-SR-2/CLOSED	5453 HOLLY MOUNTAIN ROAD AR 72031	NON GC	22
3	UST	HEBER SPRINGS PUBLIC SCHOOLS 12001632	2300 LAKEVIEW HEBER SPRINGS AR 72543	0.00 --	23
4	UST	COMMUNITY WATER SYSTEM, INC. 12001642	299 LAKESHORE DRIVE GREERS FERRY AR 72067	0.00 --	26
5	UST	LACEY S NARROWS MARINA 12001610	7674 EDGEMONT ROAD HIGDEN AR 72067	0.00 --	27
6	UST	QUIK MART #9 12000049	2114 HIGHWAY 25 NORTH HEBER SPRINGS AR 72543	0.03 SE	33
7	UST	NORTH ARKANSAS FARM SUPPLY 12001601	3201 HWY 25 NORTH HEBER SPRINGS AR 72543	0.04 SE	36

## *Environmental FirstSearch Sites Summary Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**TOTAL:** 47                    **GEOCODED:** 19                    **NON GEOCODED:** 28                    **SELECTED:** 47

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
8	UST	J & N COVE CREEK GROCERY 12001618	4 COVE CREEK ROAD QUITMAN AR 72131	0.05 NW	39
9	UST	GREERS FERRY, CITY OF 12001624	8739 EDGEMONT ROAD GREERS FERRY AR 72067	0.08 SE	44
10	UST	WAYNE EVANS GENERAL CONTRACTOR 12001616	16000 EDEN ISLE PIKE HEBER SPRINGS AR 72543	0.10 NE	47
11	UST	RED RIVER MARINE 12001630	2001 HWY 25N-B HEBER SPRINGS AR 72543	0.14 SE	48
12	UST	TRI-OAKS INC. # 2 PHILLIPS 66 12001505	4559 GREERS FERRY ROAD GREERS FERRY AR 72067	0.14 SE	51
13	UST	J.B. S PIT STOP 12001626	7604 GREERS FERRY ROAD GREERS FERRY AR 72067	0.23 SE	52
	UST	CHARCOAL JOHNS 12000029	7TH & WALNUT HEBER SPRINGS AR 72543	NON GC	57
	UST	US ARMY CORPS OF ENGINEERS 12000044	PO BOX 310 HEBER SPRINGS AR 72543	NON GC	62
	UST	COMMUNITY WATER 12000043	LAKE SHORE DRIVE HIGDEN AR 72067	NON GC	65
	UST	JERRY S PLACE 12000063	6729 HEBER SPRINGS RD N DRASCO AR 72530	NON GC	67
	UST	JOHNSON S READY MIX CONCRETE 12001617	230 HEBER SPRINGS ROAD WEST HEBER SPRINGS AR 72543	NON GC	69
	UST	CONCORD PUBLIC SCHOOL 12000081	10920 HEBER SPRINGS RD NORT HEBER SPRINGS AR 72543	NON GC	71
	UST	GOODWIN & DAUGHTERS 71000052	301 DAVE CREEK PARKWAY FAIRFIELD BAY AR 72088	NON GC	73
	UST	QUITMAN PUBLIC SCHOOLS BUS SHO 12001650	6403 HEBER SPRINGS ROAD WES QUITMAN AR 72131	NON GC	77
	UST	QUITMAN PUBLIC SCHOOL (BUS SHO 12000071	6275 HEBER SPRINGS RD. WEST QUITMAN AR 72131	NON GC	78
	UST	MORGAN S AFFILIATED FOODS 12001611	6099 HEBER SPRINGS ROAD QUITMAN AR 72131	NON GC	83
	UST	GHENT S SERVICE STATION 12000017	5940 HEBER SPRINGS ROAD WES QUITMAN AR 72131	NON GC	86
	UST	GATEWAY COUNTRY JUNCTION 12000060	2324 HEBER SPRINGS RD WEST QUITMAN AR 72131	NON GC	92
	UST	FLASH MARKET #24 18001608	RE:12001501 QUITMAN AR 72131	NON GC	98
	UST	FLASH MARKET #24 12001501	6030 HEBER SPRINGS RD WEST QUITMAN AR 72131	NON GC	99

***Environmental FirstSearch  
Sites Summary Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**TOTAL:** 47                    **GEOCODED:** 19                    **NON GEOCODED:** 28                    **SELECTED:** 47

<b>Map ID</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>Page No.</b>
UST		CONOCO FOOD MART #120 12001629	6199 HEBER SPRINGS RD WEST QUITMAN AR 72131	NON GC	103
UST		SHILOH GAS & TOBACCO 12001504	8394 EDGEMONT RD GREERS FERRY AR 72067	NON GC	108
UST		WESTSIDE PUBLIC SCHOOL 12000038	7925 GREERS FERRY ROAD GREERS FERRY AR 72067	NON GC	109
UST		CLINTON SCHOOL 71000015	SCHOOL STREET CLINTON AR 72031	NON GC	111
UST		EDGEMONT GROCERY 12001652	10249 EDGEMONT RD EDGEMONT AR 72044	NON GC	113
UST		GREERS FERRY EXXON 12000013	GREERS FERRY, AR GREERS FERRY AR 72543	NON GC	116





*Environmental FirstSearch  
Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

CERCLIS SITE

**SEARCH ID:** 17

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SENTINEL WOOD TREATERS  
**ADDRESS:** 1745 HEBER SPRING RD NOETH  
HEBER SPRINGS AR 72543

**REV:** 3/8/06  
**ID1:** ARD983285222  
**ID2:** 0604540  
**STATUS:** NOT PROPOSED  
**PHONE:**

**CONTACT:**

**DESCRIPTION:**

SENTINEL WOOD TREATERS IS LOCATED ON HWY 25 NORTH IN HEBER SPRINGS, ARKANSAS

<b>ACTION/QUALITY</b>	<b>AGENCY/RPS</b>	<b>START/RAA</b>	<b>END</b>
DISCOVERY	EPA Fund-Financed		05-04-1992
PRELIMINARY ASSESSMENT Low	State, Fund Financed	09-22-1992	09-22-1992
SITE INSPECTION NFRAP (No Futher Remedial Action Planned)	EPA Fund-Financed		06-23-2000

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

EMERGENCY RESPONSE NOTIFICATION SITE

**SEARCH ID:** 4    **DIST/DIR:** 0.00 --    **MAP ID:** 1

<b>NAME:</b> AROMATIQUE	<b>REV:</b>
<b>ADDRESS:</b> 3421 HWY 25	<b>ID1:</b> 324236
HEBER SPRINGS AR	<b>ID2:</b>
CLEBURNE	<b>STATUS:</b>
<b>CONTACT:</b>	<b>PHONE:</b>

DETAILS NOT AVAILABLE



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

EMERGENCY RESPONSE NOTIFICATION SITE

**SEARCH ID:** 22                                      **DIST/DIR:** NON GC                                      **MAP ID:**

<b>NAME:</b>		<b>REV:</b>	6/20/95
<b>ADDRESS:</b>	LAKE SHORES HILL NO.2 HIGDEN AR CLEBURNE	<b>ID1:</b>	444506
<b>CONTACT:</b>		<b>ID2:</b>	
		<b>STATUS:</b>	HIGHWAY RELATED
		<b>PHONE:</b>	

**SPILL INFORMATION**

**DATE OF SPILL:** 6/20/95                                      **TIME OF SPILL:** 1141

**PRODUCT RELEASED (1):** OIL, MISC: MOTOR  
**QUANTITY (1):** 0  
**UNITS (1):** UNK

**PRODUCT RELEASED (2):** ETHYLENE GLYCOL  
**QUANTITY (2):** 0  
**UNITS (2):** UNK

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b>	NO	<b>GROUNDWATER:</b>	NO
<b>LAND:</b>	YES	<b>FIXED FACILITY:</b>	NO
<b>WATER:</b>	NO	<b>OTHER:</b>	NO

**WATERBODY AFFECTED BY RELEASE:**

**CAUSE OF RELEASE**

<b>DUMPING:</b>	NO	<b>EQUIPMENT FAILURE:</b>	NO
<b>NATURAL PHENOMENON:</b>	NO	<b>OPERATOR ERROR:</b>	NO
<b>OTHER CAUSE:</b>	NO	<b>TRANSP. ACCIDENT:</b>	NO
<b>UNKNOWN:</b>	NO		

**ACTIONS TAKEN:** NONE//CALLER DOES NOT WANT RP TO KNOW HE MADE THE REPORT RP HAS THREATENED CALLER//  
**RELEASE DETECTION:** OLD CARS ON PROPERTY ARE LEAKING;RP HAS DUMPED FOR 6-7 YRS OLD CARS ON PROPERTY ARE LEAKING;RP HAS DUMPED FOR 6-7 YRS

**MISC. NOTES:** LAKE GRIERS FERRY LAKE NEARBY//CALLER TALKED TO SANITATION AND HEALTH DEPT WITHOUT RESULTS// \*\*CALLER WANTS ANONYMITY / HAS BEEN THREATENED//

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b>	444506	<b>DUN &amp; BRADSTREET #:</b>	
<b>TYPE OF DISCHARGER:</b>	PRIVATE CITIZEN		
<b>NAME OF DISCHARGER:</b>			
<b>ADDRESS:</b>	ELLEN AND PENNEY RD HIGDEN AR		

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 46                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 2

**NAME:** FAIRFIELD BAY MARINA                                      **REV:** 5/15/06  
**ADDRESS:** POB 1370                                      **ID1:** 71-009  
FAIRFIELD BAY AR 72088                                      **ID2:** 71000029  
**CONTACT:** LARRY KAYE                                      **STATUS:**  
**PHONE:** 5018846030                                      **PHONE:** 5018846030

**NOTIFIER INFORMATION**

**NOTIFIER NAME:** LARRY KAYE  
**NOTIFIER ADDRESS:** POB 1370  
FAIRFIELD BAY AR 72088  
**NOTIFIER PHONE:** 5018846030  
**OWNER NAME:** FAIRFIELD BAY COMM CLUB  
**OWNER PHONE:** 5018846030

**LEAK INFORMATION**

**DATE OF LEAK DISCOVERY:** 8/30/2001  
**METHOD OF LEAK DISCOVERY CODE:** OTH  
**CAUSE OF LEAK:** LEAK IN HOSE

**DAMAGE DESCRIPTION:** LIGHT SHEEN ON WATER OF 10 INCHES IN DIAMETER

**SUBSTANCE LEAKED**

**GASOLINE:** No  
**DIESEL:** No  
**KEROSENE:** No  
**JET FUEL:** No  
**USED OIL:** No  
**NEW OIL:** No  
**UNKNOWN:** Yes  
**CERCLA SUBSTANCE:**

**ACTIONS TAKEN**

**METHOD OF DISCOVERY:** VISUAL STEPHENSON EQUIPMENT CO. ON SITE TO REPAIR HOSE, NO CLEANUP NECESSARY 20010910  
J. WILLIAMS RECEIVED REPORT FROM STEPHENSON OIL CO. NO CLEANUP NECESSARY. REPLACED HOSE. NFA LETTER SENT  
9/10/01. THIS FILE IS CLOSED.

*Environmental FirstSearch  
Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

LEAKING UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15                      **DIST/DIR:** 0.00 --                      **MAP ID:** 3

**NAME:** HEBER SPRINGS PUBLIC SCHOOL BU  
**ADDRESS:** 800 WEST MOORE STREET  
HEBER SPRINGS AR 72543

**REV:** 5/15/06  
**ID1:** 12-016  
**ID2:** 12001632  
**STATUS:**  
**PHONE:** 5016822628

**CONTACT:** TERRY PRICE

**NOTIFIER INFORMATION**

**NOTIFIER NAME:** TERRY PRICE  
**NOTIFIER ADDRESS:** 507 SOUTH ELM STREET  
SEARCY AR 72143  
**NOTIFIER PHONE:** 5016822628  
**OWNER NAME:** HEBER SPRINGS PUBLIC SCHOOL  
**OWNER PHONE:** 5013627180

**LEAK INFORMATION**

**DATE OF LEAK DISCOVERY:** 8/13/2002  
**METHOD OF LEAK DISCOVERY CODE:** OTH  
**CAUSE OF LEAK:** LINE LEK

**DAMAGE DESCRIPTION:** SOIL CONTAMINATION

**SUBSTANCE LEAKED**

**GASOLINE:** No  
**DIESEL:** No  
**KEROSENE:** No  
**JET FUEL:** No  
**USED OIL:** No  
**NEW OIL:** No  
**UNKNOWN:** Yes  
**CERCLA SUBSTANCE:**

**ACTIONS TAKEN**

**METHOD OF DISCOVERY:** LINE TEST REMOVED CONTAMINATED SOIL AND REPAIRING LEAKING LINE. 20020819 J. WILLIAMS - RECEIVED LABRATORY ANALYSIS OF CONTAMINATED SOIL. RESULTS OF REPORT IS BELOW ADEQ GUIDELINES. LINE LEAK HAS BEEN REPAIRED. NFA LETTER SENT, FILE CLOSED.

## *Environmental FirstSearch*

### *Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

#### LEAKING UNDERGROUND STORAGE TANKS

**SEARCH ID:** 47                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 2

**NAME:** FAIRFIELD BAY MARINA  
**ADDRESS:** P.O. BOX 1370  
FAIRFIELD BAY AR 72088

**REV:** 5/15/06  
**ID1:** 71-007  
**ID2:** 71000029  
**STATUS:**  
**PHONE:** 5016820713

**CONTACT:** RICHARD MERRITT

#### NOTIFIER INFORMATION

**NOTIFIER NAME:** RICHARD MERRITT  
**NOTIFIER ADDRESS:** ADEQ  
LITTLE ROCK AR 72219  
**NOTIFIER PHONE:** 5016820713  
**OWNER NAME:** FAIRFIELD BAY COMMUNITY CLUB  
**OWNER PHONE:** 5018843333

#### LEAK INFORMATION

**DATE OF LEAK DISCOVERY:** 7/19/2000  
**METHOD OF LEAK DISCOVERY CODE:** OTH  
**CAUSE OF LEAK:** BREAK IN PRODUCT LINE

**DAMAGE DESCRIPTION:** GASOLINE FLOWED ON WATER NO DAMAGE TO FISH OR LAND

#### SUBSTANCE LEAKED

**GASOLINE:** No  
**DIESEL:** No  
**KEROSENE:** No  
**JET FUEL:** No  
**USED OIL:** No  
**NEW OIL:** No  
**UNKNOWN:** Yes  
**CERCLA SUBSTANCE:**

#### ACTIONS TAKEN

METHOD OF DISCOVERY: SMELL OF GASOLINE CALLED FIRE DEPT, BOOTS AND COOT HAZ MATERIAL CLEAN-UP, CALLED O.E.S HAD STEPHEN SON EQUIPMENT TO REPAIR LINE. J. WILLIAMS 20000721 AWAITING IRR FROM OWNER J. WILLIAMS 20000726 RECEIVED IRR. NFA LETTER SENT 9-5-00.

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

LEAKING UNDERGROUND STORAGE TANKS

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<b>SEARCH ID:</b> 16	<b>DIST/DIR:</b> 0.05 NW	<b>MAP ID:</b> 8
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<b>NAME:</b> J & N COVE CREEK GROCERY	<b>REV:</b> 5/15/06
<b>ADDRESS:</b> 4 COVE CREEK ROAD	<b>ID1:</b> 12-010
QUITMAN AR 72131	<b>ID2:</b> 12001618
<b>CONTACT:</b> LORI BURKE (RADFORD)	<b>STATUS:</b>
	<b>PHONE:</b> 5013744825

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**NOTIFIER INFORMATION**  
**NOTIFIER NAME:** LORI BURKE (RADFORD)  
**NOTIFIER ADDRESS:** 3100 I-30  
LITTLE ROCK AR 72032  
**NOTIFIER PHONE:** 5013744825  
**OWNER NAME:** JERRY & NANCY SNEED  
**OWNER PHONE:** 5015892876

**LEAK INFORMATION**  
**DATE OF LEAK DISCOVERY:** 9/7/1999  
**METHOD OF LEAK DISCOVERY CODE:** OTH  
**CAUSE OF LEAK:** UNKNOWN  
**DAMAGE DESCRIPTION:** UNKNOWN

**SUBSTANCE LEAKED**  
**GASOLINE:** No  
**DIESEL:** No  
**KEROSENE:** No  
**JET FUEL:** No  
**USED OIL:** No  
**NEW OIL:** No  
**UNKNOWN:** Yes  
**CERCLA SUBSTANCE:**

**ACTIONS TAKEN**  
**METHOD OF DISCOVERY:** LINE WOULD NOT HOLD PRIME



# *Environmental FirstSearch*

## *Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### RCRA TSD SITE

**SEARCH ID:** 1                                      **DIST/DIR:** 0.33 SE                                      **MAP ID:** 14

**NAME:** SENTINEL INDUSTRIES INC                                      **REV:** 6/8/02  
**ADDRESS:** 1745 HEBER SPRINGS RD N                                      **ID1:** ARD990742165  
TUMBLING SHOALS AR 72581                                      **ID2:**  
CLEBURNE                                      **STATUS:** TSD  
**CONTACT:** MELVIN FARRIS                                      **PHONE:** 5013628201

**SITE INFORMATION**

**CONTACT INFORMATION:** MELVIN FARRIS  
PLANT MANAGER  
1745 HEBER SPRINGS RD N  
TUMBLING SHOALS AR 72581

**PHONE:** 5013628201

**CONTACT INFORMATION:** VERNON GRAHAM  
  
RTE 4 BOX 324  
HEBER SPRINGS AR 72543

**PHONE:** 5013628201

**UNIVERSE NAME:**

ST: STORAGE AND TREATMENT  
INCINERATOR  
SUBJECT TO CORRECTIVE ACTION  
TSDS SUBJECT TO CORRECTIVE ACT  
SUBJECT TO CEI  
DF: LAND DISPOSAL FACILITY

**SIC INFORMATION:**

2491 - MANUFACTURING - WOOD PRESERVING

**ENFORCEMENT INFORMATION:**

**AGENCY:** S - STATE                                      **DATE:** 04-MAY-98  
**TYPE:** 120 - WRITTEN INFORMAL

**AGENCY:** S - STATE                                      **DATE:** 23-NOV-98  
**TYPE:** 211 - ESCALATED ORDER

**AGENCY:** S - STATE                                      **DATE:** 17-DEC-99  
**TYPE:** 310 - FINAL 3008(A) COMPLIANCE ORDER

**AGENCY:** S - STATE                                      **DATE:** 29-MAR-99  
**TYPE:** 310 - FINAL 3008(A) COMPLIANCE ORDER

**VIOLATION INFORMATION:**

**VIOLATION NUMBER:** 0001                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 04-MAY-98                                      **DETERMINED BY:** - *Continued on next page* -



***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
 HIGDEN AR 72067

**JOB:** 0620-02  
 GREERS FERRY LAKE PERIMETER SEARCH

RCRA TSD SITE

**SEARCH ID:** 1 **DIST/DIR:** 0.33 SE **MAP ID:** 14

<b>NAME:</b> SENTINEL INDUSTRIES INC	<b>REV:</b> 6/8/02
<b>ADDRESS:</b> 1745 HEBER SPRINGS RD N	<b>ID1:</b> ARD990742165
TUMBLING SHOALS AR 72581	<b>ID2:</b>
CLEBURNE	<b>STATUS:</b> TSD
<b>CONTACT:</b> MELVIN FARRIS	<b>PHONE:</b> 5013628201

<b>VIOLATION NUMBER:</b>	0012	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.443(d)	<b>RESOLVED:</b>	
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0013	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.51	<b>RESOLVED:</b>	
<b>TYPE:</b>	DCP - TSD CONTINGENCY PLAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0014	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.16	<b>RESOLVED:</b>	
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0015	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 279.22(d)	<b>RESOLVED:</b>	
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA COR SITE

**SEARCH ID:** 2                      **DIST/DIR:** 0.33 SE                      **MAP ID:** 14

<b>NAME:</b> SENTINEL INDUSTRIES, INC.	<b>REV:</b> 4/16/06
<b>ADDRESS:</b> 1745 HEBER SPRINGS ROAD NORTH	<b>ID1:</b> ARD990742165
TUMBLING SHOALS AR 72581	<b>ID2:</b>
<b>CONTACT:</b> MELVIN FARRIS	<b>STATUS:</b> CA
	<b>PHONE:</b> 5013628201

**SITE INFORMATION**

**CONTACT INFORMATION:** MELVIN FARRIS  
1745 HEBER SPRINGS RD N AR HWY 25 N HEBER SPRINGS  
TUMBLING SHOALS AR 72581

**PHONE:** 5013628201

**UNIVERSE INFORMATION:**

<b>SNC:</b>	N - NO
<b>BOYSNC:</b>	N - NO
<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POSTCLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA CME:</b>	N - NO
<b>PERM PROG:</b>	----
<b>PREM WRKLD:</b>	----
<b>CLOSURE WRKLD:</b>	----
<b>P C WRKLD:</b>	----
<b>SUBJCA:</b>	Y - SUBJECT TO CORRECTIVE ACTION
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>CA WRKLD:</b>	Y - CORRECTIVE ACTION WORKLOAD
<b>GEN STATUS:</b>	N

**NAIC INFORMATION**

321114 - WOOD PRESERVATION

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S	<b>DATE:</b>	11/23/1998
<b>TYPE:</b>	211		
<b>AGENCY:</b>	S	<b>DATE:</b>	3/29/1999
<b>TYPE:</b>	310		
<b>AGENCY:</b>	S	<b>DATE:</b>	5/4/1998
<b>TYPE:</b>	120		
<b>AGENCY:</b>	S	<b>DATE:</b>	12/17/1999
<b>TYPE:</b>	310		

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA COR SITE

**SEARCH ID:** 2                                      **DIST/DIR:** 0.33 SE                                      **MAP ID:** 14

**NAME:** SENTINEL INDUSTRIES, INC.  
**ADDRESS:** 1745 HEBER SPRINGS ROAD NORTH  
TUMBLING SHOALS AR 72581

**REV:** 4/16/06  
**ID1:** ARD990742165  
**ID2:**  
**STATUS:** CA  
**PHONE:** 5013628201

**CONTACT:** MELVIN FARRIS

**VIOLATION INFORMATION:**

**VIOLATION NUMBER:** 0001                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 265.443(c)  
**RESOLVED:** 8/17/1998  
**TYPE:** GOR - GENERATOR OTHER REQUIREMENTS

**VIOLATION NUMBER:** 0002                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 265.443(i)  
**RESOLVED:** 7/17/1998  
**TYPE:** GOR - GENERATOR OTHER REQUIREMENTS

**VIOLATION NUMBER:** 0003                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 265.44(b)  
**RESOLVED:** 7/17/1998  
**TYPE:** GOR - GENERATOR OTHER REQUIREMENTS

**VIOLATION NUMBER:** 0004                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 265.441(a)  
**RESOLVED:** 6/15/1998  
**TYPE:** GOR - GENERATOR OTHER REQUIREMENTS

**VIOLATION NUMBER:** 0005                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 262.34(a)  
**RESOLVED:** 6/15/1998  
**TYPE:** GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS

**VIOLATION NUMBER:** 0006                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 265.173(a)  
**RESOLVED:** 6/15/1998  
**TYPE:** GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS

**VIOLATION NUMBER:** 0007                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 262.34(c)(1)(ii)  
**RESOLVED:** 7/17/1998  
**TYPE:** GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS

**VIOLATION NUMBER:** 0008                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 279.22(c)(1)  
**RESOLVED:** 6/15/1998  
**TYPE:** GOR - GENERATOR OTHER REQUIREMENTS

**VIOLATION NUMBER:** 0009                                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 5/4/1998                                      **DETERMINED BY:** S - STATE  
**CITATION:** REG 23 SEC 262.21(b)

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## *Environmental FirstSearch* *Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### RCRA COR SITE

**SEARCH ID:** 2                              **DIST/DIR:** 0.33 SE                              **MAP ID:** 14

**NAME:** SENTINEL INDUSTRIES, INC.  
**ADDRESS:** 1745 HEBER SPRINGS ROAD NORTH  
TUMBLING SHOALS AR 72581

**REV:** 4/16/06  
**ID1:** ARD990742165  
**ID2:**  
**STATUS:** CA  
**PHONE:** 5013628201

**CONTACT:** MELVIN FARRIS

**RESOLVED:** 6/15/1998  
**TYPE:** GMR - GENERATOR MANIFEST REQUIREMENTS

<b>VIOLATION NUMBER:</b>	0010	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.31		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0011	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.443(a)(3)		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0012	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.443(d)		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0013	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.51		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	DCP - TSD CONTINGENCY PLAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0014	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 265.16		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0015	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	5/18/1998	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	REG 23 SEC 279.22(d)		
<b>RESOLVED:</b>	7/16/2002		
<b>TYPE:</b>	GOR - GENERATOR OTHER REQUIREMENTS		

**CORRECTIVE ACTION INFORMATION**

- CA EVENT: 3/29/1999 CA050
- CA EVENT: 3/29/1999 CA060
- CA EVENT: 3/29/1999 CA070YE
- CA EVENT: 9/29/1999 CA150
- CA EVENT: 9/29/1999 CA075LO
- CA EVENT: 4/17/2000 CA300

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**RCRA COR SITE**

**SEARCH ID:** 2

**DIST/DIR:** 0.33 SE

**MAP ID:** 14

**NAME:** SENTINEL INDUSTRIES, INC.  
**ADDRESS:** 1745 HEBER SPRINGS ROAD NORTH  
TUMBLING SHOALS AR 72581

**REV:** 4/16/06  
**ID1:** ARD990742165  
**ID2:**  
**STATUS:** CA  
**PHONE:** 5013628201

**CONTACT:** MELVIN FARRIS

**CA EVENT:** 2/22/2000 CA200

**HAZARDOUS WASTE INFORMATION:**

Chromium  
Methyl ethyl ketone  
Arsenic

Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 3                                      **DIST/DIR:** 0.14 SE                                      **MAP ID:** 11

<b>NAME:</b> TRAVIS BOATING CENTERS	<b>REV:</b> 4/16/06
<b>ADDRESS:</b> 2001 HWY 25 N	<b>ID1:</b> ARD035513431
HEBER SPRINGS AR 72543	<b>ID2:</b>
CLEBURNE	<b>STATUS:</b> VGN
<b>CONTACT:</b> RON ROBARE	<b>PHONE:</b> 5013623171

**SITE INFORMATION**

**CONTACT INFORMATION:**                      RON ROBARE  
2001 HWY 25 N  
HEBER SPRINGS AR 72543

**PHONE:**    5013623171

**UNIVERSE INFORMATION:**

<b>SNC:</b>	N - NO
<b>BOYSNC:</b>	N - NO
<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POSTCLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA CME:</b>	N - NO
<b>PERM PROG:</b>	----
<b>PREM WRKLD:</b>	----
<b>CLOSURE WRKLD:</b>	----
<b>P C WRKLD:</b>	----
<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>CA WRKLD:</b>	N - NO
<b>GEN STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Ignitable waste



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 21

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** UNITED PLASTICS TECHNOLOGY, INC.  
**ADDRESS:** 1741 HEBER SPRINGS RD N  
TUMBLING SHOALS AR 72581  
CLEBURNE  
**CONTACT:** FRANK WIMBERLEY

**REV:** 4/16/06  
**ID1:** ARR000014944  
**ID2:**  
**STATUS:** VGN  
**PHONE:** 501-250-0238

**SITE INFORMATION**

**UNIVERSE INFORMATION:**

**SNC:** N - NO  
**BOYSNC:** N - NO  
**GPRA PERMIT:** N - NO  
**GPRA POSTCLOSURE:** N - NO  
**GPRA CA:** N - NO  
**GPRA CME:** N - NO  
**PERM PROG:** ----

**PREM WRKLD:** ----  
**CLOSURE WRKLD:** ----  
**P C WRKLD:** ----  
**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO

**SUBJCA NON TSD:** N - NO  
**CA WRKLD:** N - NO  
**GEN STATUS:** CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN  
100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 20

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** US ARMY CORPS ENG-GREERS FERRY PWRHSE  
**ADDRESS:** 4M N HEBER SPRINGS HWY 25  
HEBER SPRINGS AR 72543  
CLEBURNE  
**CONTACT:** MARVIN LOGAN

**REV:** 4/16/06  
**ID1:** AR0960012532  
**ID2:**  
**STATUS:** VGN  
**PHONE:** 5013623214

**SITE INFORMATION**

**CONTACT INFORMATION:** MARVIN LOGAN  
PO BOX 1088  
HEBER SPRINGS AR 72543

**PHONE:** 5013623214

**UNIVERSE INFORMATION:**

**SNC:** N - NO  
**BOYSNC:** N - NO  
**GPRA PERMIT:** N - NO  
**GPRA POSTCLOSURE:** N - NO  
**GPRA CA:** N - NO  
**GPRA CME:** N - NO  
**PERM PROG:** ----

**PREM WRKLD:** ----  
**CLOSURE WRKLD:** ----  
**P C WRKLD:** ----  
**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO

**SUBJCA NON TSD:** N - NO  
**CA WRKLD:** N - NO  
**GEN STATUS:** CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN  
100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

PCBS

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 18

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GREERS FERRY GLASS WORKS  
**ADDRESS:** 5902 HEBER SPRINGS RD  
QUITMAN AR 72131  
CLEBURNE  
**CONTACT:** ROBERT MALLIS

**REV:** 4/16/06  
**ID1:** ARR000007484  
**ID2:**  
**STATUS:** VGN  
**PHONE:** 5015892947

**SITE INFORMATION**

**CONTACT INFORMATION:** ROBERT MALLIS  
5902 HEBER SPRINGS RD  
QUITMAN AR 72131

**PHONE:** 5015892947

**UNIVERSE INFORMATION:**

**SNC:** N - NO  
**BOYSNC:** N - NO  
**GPRA PERMIT:** N - NO  
**GPRA POSTCLOSURE:** N - NO  
**GPRA CA:** N - NO  
**GPRA CME:** N - NO  
**PERM PROG:** ----

**PREM WRKLD:** ----  
**CLOSURE WRKLD:** ----  
**P C WRKLD:** ----  
**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO

**SUBJCA NON TSD:** N - NO  
**CA WRKLD:** N - NO  
**GEN STATUS:** CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN  
100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Corrosive waste

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 19

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FORMER UNITED PLASTICS TECHNOLOGY, INC.  
**ADDRESS:** 1060 HEBER SPRINGS RD S  
HEBER SPRINGS AR 72543  
CLEBURNE  
**CONTACT:** FRANK WIMBERLEY

**REV:** 4/16/06  
**ID1:** ARR000014936  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 501-250-0238

**SITE INFORMATION**

**CONTACT INFORMATION:** FRANK WIMBERLEY  
HEBER SPRINGS RD N  
TUMBLING SHOALS AR 72581

**PHONE:** 501-250-0238

**UNIVERSE INFORMATION:**

**SNC:** N - NO  
**BOYSNC:** N - NO  
**GPRA PERMIT:** N - NO  
**GPRA POSTCLOSURE:** N - NO  
**GPRA CA:** N - NO  
**GPRA CME:** N - NO  
**PERM PROG:** ----  
  
**PREM WRKLD:** ----  
**CLOSURE WRKLD:** ----  
**P C WRKLD:** ----  
**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO  
  
**SUBJCA NON TSD:** N - NO  
**CA WRKLD:** N - NO  
**GEN STATUS:** SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**SOLID WASTE LANDFILL SITE**

**SEARCH ID:** 24

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH CENTRAL ARK LF AUTHORITY  
**ADDRESS:** 5453 HOLLY MOUNTAIN ROAD  
CLINTON AR 72031

**REV:** 12/01/04  
**ID1:** 0218-SR-2  
**ID2:** 71-00025  
**STATUS:** CLOSED  
**PHONE:** (501) 745-5801

**CONTACT:**

**SITE DETAILS**

**PERMIT NUMBER:** 0218-SR-2  
**FACILITY NUMBER:** 71-00025  
**PERMIT CLASS:** Class 1 Municipal SW LF  
**PERMIT STATUS:** Active Permit  
**FACILITY STATUS:** Closed  
**SITE PHONE:** (501) 745-5801  
**OWNER NAME:** North Central Ark LF Authority  
**OWNER PHONE:** (501) 745-2443  
**OWNER ADDRESS:** P.O. Box 60  
**RSWMD:** 16  
**LATITUDE:** 35402315344  
**LONGITUDE:** 92253807254

**NOTE:** Lat/Longi given by ADEQ in Deg.(1st 2 digits), Min.(3rd + 4th digits), Sec.(5th + 6th digits) ie 12 34 56.12345

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 7    **DIST/DIR:** 0.00 --    **MAP ID:** 3

<p><b>NAME:</b> HEBER SPRINGS PUBLIC SCHOOLS <b>ADDRESS:</b> 2300 LAKEVIEW HEBER SPRINGS AR 72543  <b>CONTACT:</b> JACKIE TAPLEY</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 12001632 <b>ID2:</b> 007122 <b>STATUS:</b> <b>PHONE:</b> 5013627180</p>
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**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	007122
<b>OWNER NAME:</b>	HEBER SPRINGS PUBLIC SCHOOLS
<b>OWNER ADDRESS 1:</b>	800 WEST MOORE HEBER SPRINGS AR 72543
<b>OWNER ADDRESS 2:</b>	
<b>PHONE:</b>	5013627180

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1984
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	10/12/1999
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>		
<b>TANK CAPACITY:</b>	8000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 7                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 3

<b>NAME:</b>	HEBER SPRINGS PUBLIC SCHOOLS	<b>REV:</b>	05/15/06
<b>ADDRESS:</b>	2300 LAKEVIEW HEBER SPRINGS AR 72543	<b>ID1:</b>	12001632
		<b>ID2:</b>	007122
		<b>STATUS:</b>	
<b>CONTACT:</b>	JACKIE TAPLEY	<b>PHONE:</b>	5013627180

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	10/13/1999
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	4/D--2/G

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	Yes	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	10/13/1999	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	10/13/1999	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 5

**DIST/DIR:** 0.00 --

**MAP ID:** 4

**NAME:** COMMUNITY WATER SYSTEM, INC.  
**ADDRESS:** 299 LAKESHORE DRIVE  
GREERS FERRY AR 72067

**REV:** 05/15/06  
**ID1:** 12001642  
**ID2:** 008426  
**STATUS:**  
**PHONE:** 5018257294

**CONTACT:** GREG SMITH

**OWNER INFORMATION**

**OWNER ID NUMBER:** 008426  
**OWNER NAME:** COMMUNITY WATER SYSTEMS, INC.  
**OWNER ADDRESS 1:** 299 LAKESHORE DRIVE  
GREERS FERRY AR 72067  
**OWNER ADDRESS 2:**  
**PHONE:** 5018257294

**UNDERGROUND STORAGE TANK DETAILS**

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 26                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 5

<b>NAME:</b> LACEY S NARROWS MARINA	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 7674 EDGEMONT ROAD HIGDEN AR 72067	<b>ID1:</b> 12001610
	<b>ID2:</b> 005568
	<b>STATUS:</b>
<b>CONTACT:</b> JOHN GEARHART	<b>PHONE:</b> 5018256214

**OWNER INFORMATION**

**OWNER ID NUMBER:** 005568  
**OWNER NAME:** LACEY, JOE  
**OWNER ADDRESS 1:** 7674 EDGEMONT ROAD  
HIGDEN AR 72067  
**OWNER ADDRESS 2:**  
**PHONE:** 5018256214

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1989
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	4/27/1997
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	No	<b>MANUAL GAUGE:</b>	Yes
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	No	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	Yes	<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	- Continued on next page -



# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 26                      **DIST/DIR:** 0.00 --                      **MAP ID:** 5

<b>NAME:</b> LACEY S NARROWS MARINA	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 7674 EDMONT ROAD	<b>ID1:</b> 12001610
HIGDEN AR 72067	<b>ID2:</b> 005568
<b>CONTACT:</b> JOHN GEARHART	<b>STATUS:</b>
	<b>PHONE:</b> 5018256214

<b>INTERNAL LINING:</b>	No	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CATHODIC PROT SYSTEM:</b>
<b>OTHER CP DESC:</b>		<b>CP UNKNOWN:</b>
		No

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	Yes	No
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>SPILL BASIN:</b>
<b>AUTO HI LEVEL ALARM:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>
<b>SO DESC:</b>		<b>SO UNKNOWN:</b>
		No

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>GALVANIZED STEEL:</b>
<b>DOUBLE WALLED:</b>	No	<b>COPPER:</b>
<b>PP UNKNOWN:</b>	No	<b>SECONDARY CONTAINMENT:</b>
		<b>PP DESC:</b>
		No

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	No
<b>PRESSURE:</b>	Yes	<b>SUCTION; TCV:</b>
<b>REPAIR DATE:</b>		<b>GRAVITY:</b>
<b>OTHER PP TYPE DESC:</b>		<b>UNKNOWN:</b>
		No

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>GROUNDWATER MONITORING:</b>
<b>INTERSTITIAL MONITORING:</b>	No	<b>AUTO LEAK DETECTOR:</b>
<b>OTHER PRD DESCRIPTION:</b>		<b>UNKNOWN:</b>
		No

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1989
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	4/27/1997
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	No
<b>KEROSENE:</b>	No	<b>DIESEL:</b>
<b>USED OIL:</b>	No	<b>GAS:</b>
<b>UNKNOWN:</b>	No	<b>NEW OIL:</b>
<b>MIXTURE DESCRIPTION:</b>		<b>HAZARDOUS:</b>
		<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	No
<b>COMPOSITE:</b>	No	<b>EPOXY:</b>
<b>CONCRETE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>
<b>EXTERNAL LINER:</b>	No	<b>INTERNAL LINER:</b>
<b>JACKET:</b>	No	<b>DOUBLE WALLED:</b>
<b>OTHER MAT:</b>		<b>UNKNOWN:</b>
		No

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	<b>MANUAL GAUGE:</b>	- Continued on next page -
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*Environmental FirstSearch*  
*Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 26    **DIST/DIR:** 0.00 --    **MAP ID:** 5

**NAME:** LACEY S NARROWS MARINA    **REV:** 05/15/06  
**ADDRESS:** 7674 EDGEMONT ROAD    **ID1:** 12001610  
HIGDEN AR 72067    **ID2:** 005568  
**CONTACT:** JOHN GEARHART    **STATUS:**  
**PHONE:** 5018256214

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	3/14/1997
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 26                      **DIST/DIR:** 0.00 --                      **MAP ID:** 5

**NAME:** LACEY S NARROWS MARINA  
**ADDRESS:** 7674 EDGEMONT ROAD  
HIGDEN AR 72067

**REV:** 05/15/06  
**ID1:** 12001610  
**ID2:** 005568

**CONTACT:** JOHN GEARHART

**STATUS:**  
**PHONE:** 5018256214

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	3/19/1997	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	Yes	<b>SECONDARY CONTAINMENT:</b>	Yes
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	5	<b>TANK INSTALLED DATE:</b>	3/14/1997
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	5000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

- Continued on next page -

# Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 26	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 5
<hr/>		
<b>NAME:</b> LACEY S NARROWS MARINA <b>ADDRESS:</b> 7674 EDGEMONT ROAD HIGDEN AR 72067	<b>REV:</b> 05/15/06 <b>ID1:</b> 12001610 <b>ID2:</b> 005568 <b>STATUS:</b> <b>PHONE:</b> 5018256214	
<b>CONTACT:</b> JOHN GEARHART		
<hr/>		
<b>EMPTY:</b>	No	<b>DIESEL:</b> No
<b>KEROSENE:</b>	No	<b>GAS:</b> Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>
<hr/>		
<b><u>MATERIAL(S) OF CONSTRUCTION</u></b>		
<b>STEEL:</b>	Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b>	No	<b>UNKNOWN:</b> No
<b>OTHER MAT:</b>	STIP3	
<hr/>		
<b><u>TANK RELEASE DETECTION (RD) INFORMATION</u></b>		
<b>RD INSTALLED:</b>	3/19/1997	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b> Yes
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b> Yes
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>
<hr/>		
<b><u>TANK CORROSION PROTECTION (CP) INFORMATION</u></b>		
<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b> No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b> Yes
<b>OTHER CP DESC:</b>		
<hr/>		
<b><u>SPILL &amp; OVERFLOW PROTECTION (SO) INFORMATION</u></b>		
<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b> Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b> Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b> No
<b>SO DESC:</b>		
<hr/>		
<b><u>PIPING (PP) MATERIAL INFORMATION:</u></b>		
<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b> No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b> No
<b>DOUBLE WALLED:</b>	Yes	<b>SECONDARY CONTAINMENT:</b> Yes
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>
<hr/>		
<b><u>PIPING (PP) TYPE:</u></b>		
<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b> No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b> No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b> No
<b>OTHER PP TYPE DESC:</b>		
<hr/>		
<b><u>PIPE RELEASE DETECTION (PRD) INFORMATION</u></b>		
<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b> Yes
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b> Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b> No
<b>OTHER PRD DESCRIPTION:</b>		





***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 11 **DIST/DIR:** 0.03 SE **MAP ID:** 6

<p><b>NAME:</b> QUIK MART #9 <b>ADDRESS:</b> 2114 HIGHWAY 25 NORTH HEBER SPRINGS AR 72543</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 12000049 <b>ID2:</b> 010237 <b>STATUS:</b> <b>PHONE:</b> 870) 523-3601</p>
<b>CONTACT:</b> CARLA STIGER	

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	7/1/1971
<b>TANK STATUS:</b>	Temporarily Out	<b>STATUS DATE:</b>	9/20/2002
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	Yes
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 11

**DIST/DIR:** 0.03 SE

**MAP ID:** 6

**NAME:** QUIK MART #9  
**ADDRESS:** 2114 HIGHWAY 25 NORTH  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000049  
**ID2:** 010237  
**STATUS:**  
**PHONE:** 870) 523-3601

**CONTACT:** CARLA STIGER

<b>INTERNAL LINING:</b>	Yes	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 10    **DIST/DIR:** 0.04 SE    **MAP ID:** 7

<b>NAME:</b>	NORTH ARKANSAS FARM SUPPLY	<b>REV:</b>	05/15/06
<b>ADDRESS:</b>	3201 HWY 25 NORTH HEBER SPRINGS AR 72543	<b>ID1:</b>	12001601
		<b>ID2:</b>	002863
		<b>STATUS:</b>	
<b>CONTACT:</b>	BOB CLARK	<b>PHONE:</b>	5017933852

**OWNER INFORMATION**

**OWNER ID NUMBER:** 002863  
**OWNER NAME:** NORTH ARKANSAS FARM SUPPLY, INC.  
**OWNER ADDRESS 1:** POST OFFICE BOX 2605  
BATESVILLE AR 72503  
**OWNER ADDRESS 2:**  
**PHONE:** 5017935978

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	7/6/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 10

**DIST/DIR:** 0.04 SE

**MAP ID:** 7

**NAME:** NORTH ARKANSAS FARM SUPPLY  
**ADDRESS:** 3201 HWY 25 NORTH  
HEBER SPRINGS AR 72543  
**CONTACT:** BOB CLARK

**REV:** 05/15/06  
**ID1:** 12001601  
**ID2:** 002863  
**STATUS:**  
**PHONE:** 5017933852

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	Yes	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	Yes	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	7/6/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	8000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 10                                   **DIST/DIR:** 0.04 SE                                   **MAP ID:** 7

<p><b>NAME:</b> NORTH ARKANSAS FARM SUPPLY <b>ADDRESS:</b> 3201 HWY 25 NORTH HEBER SPRINGS AR 72543  <b>CONTACT:</b> BOB CLARK</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 12001601 <b>ID2:</b> 002863 <b>STATUS:</b> <b>PHONE:</b> 5017933852</p>
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<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>			
<b>AUTO SHUTOFF VALVE:</b>	No	<b>SPILL BASIN:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>SO DESC:</b>		<b>SO UNKNOWN:</b>	Yes

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	Yes	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>		<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	Yes	<b>UNKNOWN:</b>	
<b>OTHER PRD DESCRIPTION:</b>			

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 8                                **DIST/DIR:** 0.05 NW                                **MAP ID:** 8

<b>NAME:</b>	J & N COVE CREEK GROCERY	<b>REV:</b>	05/15/06
<b>ADDRESS:</b>	4 COVE CREEK ROAD QUITMAN AR 72131	<b>ID1:</b>	12001618
		<b>ID2:</b>	005859
		<b>STATUS:</b>	
<b>CONTACT:</b>	JERRY OR NANCY SNEED	<b>PHONE:</b>	5015892876

OWNER INFORMATION

<b>OWNER ID NUMBER:</b>	005859
<b>OWNER NAME:</b>	SNEED, JERRY & NANCY
<b>OWNER ADDRESS 1:</b>	4 COVE CREEK ROAD QUITMAN AR 72131
<b>OWNER ADDRESS 2:</b>	
<b>PHONE:</b>	5015892876

UNDERGROUND STORAGE TANK DETAILS

GENERAL TANK INFORMATION

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/7/1999
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>		
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

TANK CONTENTS

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

MATERIAL(S) OF CONSTRUCTION

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

TANK RELEASE DETECTION (RD) INFORMATION

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

TANK CORROSION PROTECTION (CP) INFORMATION

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

SPILL & OVERFLOW PROTECTION (SO) INFORMATION

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes

- Continued on next page -









**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 8                                      **DIST/DIR:** 0.05 NW                                      **MAP ID:** 8

**NAME:** J & N COVE CREEK GROCERY  
**ADDRESS:** 4 COVE CREEK ROAD  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001618  
**ID2:** 005859  
**STATUS:**  
**PHONE:** 5015892876

**CONTACT:** JERRY OR NANCY SNEED

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP-3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	5/12/1999	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	5/12/1999	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	5/12/1999	<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCVC:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>	NONE REQUIRED		

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 6                      **DIST/DIR:** 0.08 SE                      **MAP ID:** 9

<b>NAME:</b>	GREERS FERRY, CITY OF	<b>REV:</b>	05/15/06
<b>ADDRESS:</b>	8739 EDGEMONT ROAD	<b>ID1:</b>	12001624
	GREERS FERRY AR 72067	<b>ID2:</b>	006587
		<b>STATUS:</b>	
<b>CONTACT:</b>	DON WARE/LYNN RICE	<b>PHONE:</b>	5018257172

**OWNER INFORMATION**

**OWNER ID NUMBER:** 006587  
**OWNER NAME:** GREERS FERRY, CITY OF  
**OWNER ADDRESS 1:** P. O. BOX 355  
GREERS FERRY AR 72067  
**OWNER ADDRESS 2:**  
**PHONE:** 5018257172

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1975
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	8/16/1999
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>		
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 6                                      **DIST/DIR:** 0.08 SE                                      **MAP ID:** 9

<p><b>NAME:</b> GREERS FERRY, CITY OF <b>ADDRESS:</b> 8739 EDGEMONT ROAD GREERS FERRY AR 72067</p> <p><b>CONTACT:</b> DON WARE/LYNN RICE</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 12001624 <b>ID2:</b> 006587 <b>STATUS:</b> <b>PHONE:</b> 5018257172</p>
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**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1975
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	8/16/1999
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	No	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	No	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No

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**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 6

**DIST/DIR:** 0.08 SE

**MAP ID:** 9

**NAME:** GREERS FERRY, CITY OF  
**ADDRESS:** 8739 EDGEMONT ROAD  
GREERS FERRY AR 72067

**REV:** 05/15/06  
**ID1:** 12001624  
**ID2:** 006587  
**STATUS:**  
**PHONE:** 5018257172

**CONTACT:** DON WARE/LYNN RICE

**INTERNAL LINING:** No  
**ELECTRICAL ISOLATION:** No  
**OTHER CP DESC:**

**CATHODIC PROT SYSTEM:** No  
**CP UNKNOWN:** Yes

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

**SO INSTALLED:**  
**AUTO SHUTOFF VALVE:** No  
**AUTO HI LEVEL ALARM:** No  
**SO DESC:**

**SPILL BASIN:** No  
**AUTO FLOW RESTRICTOR:** No  
**SO UNKNOWN:** Yes

**PIPING (PP) MATERIAL INFORMATION:**

**BARE STEEL:** No  
**FBR GLASS REINFORCED PLASTIC:** No  
**DOUBLE WALLED:** No  
**PP UNKNOWN:** Yes

**GALVANIZED STEEL:** No  
**COPPER:** No  
**SECONDARY CONTAINMENT:** No  
**PP DESC:**

**PIPING (PP) TYPE:**

**SUCTION; PVC:** No  
**PRESSURE:** No  
**REPAIR DATE:**  
**OTHER PP TYPE DESC:**

**SUCTION; TCV:** No  
**GRAVITY:** No  
**UNKNOWN:** Yes

**PIPE RELEASE DETECTION (PRD) INFORMATION**

**VAPOR MONITORING:** No  
**LINE TIGHTNESS TEST:** No  
**INTERSTITIAL MONITORING:** No  
**OTHER PRD DESCRIPTION:**

**GROUNDWATER MONITORING:** No  
**AUTO LEAK DETECTOR:** No  
**UNKNOWN:** Yes



**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 12                                      **DIST/DIR:** 0.14 SE                                      **MAP ID:** 11

<b>NAME:</b> RED RIVER MARINE	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 2001 HWY 25N-B	<b>ID1:</b> 12001630
HEBER SPRINGS AR 72543	<b>ID2:</b> 006965
<b>CONTACT:</b> BENNY HARGROVE	<b>STATUS:</b>
	<b>PHONE:</b> 5013638235

**OWNER INFORMATION**

**OWNER ID NUMBER:** 006965  
**OWNER NAME:** HARGROVE, BENNY  
**OWNER ADDRESS 1:** 2215 LAKESHORE DRIVE  
HEBER SPRINGS AR 72543  
**OWNER ADDRESS 2:**  
**PHONE:** 5013628557

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1980
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 11/7/1995
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 1000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b> N

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> No
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> Yes	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> No	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> Yes
<b>OTHER MAT:</b>	

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	<b>MANUAL GAUGE:</b> Yes
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> Yes	<b>OTHER RD DESC:</b>

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b> No
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> Yes
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> Yes	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> - Continued on next page -

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12                              **DIST/DIR:** 0.14 SE                              **MAP ID:** 11

<b>NAME:</b> RED RIVER MARINE	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 2001 HWY 25N-B HEBER SPRINGS AR 72543	<b>ID1:</b> 12001630
	<b>ID2:</b> 006965
	<b>STATUS:</b>
<b>CONTACT:</b> BENNY HARGROVE	<b>PHONE:</b> 5013638235

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	No
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	Yes	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	Yes
PRESSURE:	No	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	No
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	No
INTERSTITIAL MONITORING:	No	UNKNOWN:	Yes
OTHER PRD DESCRIPTION:			

**GENERAL TANK INFORMATION**

TANK NUMBER:	2	TANK INSTALLED DATE:	1/1/1980
TANK STATUS:	Permanently Out	STATUS DATE:	11/7/1995
STATUS DETAILS:		TANK COMMENT:	
TANK CAPACITY:	2000 gal.	TANK REPAIR DATE:	
SITE ASSESSMENT DATE:		SITE ASSESSMENT LEAK CHK:	N

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	No
USED OIL:	No	NEW OIL:	No
UNKNOWN:	Yes	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	No	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	Yes
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	No	MANUAL GAUGE:	Yes
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	No	ASPHALT COATING:	No
DIELECTRIC COATING:	No	EXTERNAL FRP:	

*- Continued on next page -*



*Environmental FirstSearch  
Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12

**DIST/DIR:** 0.14 SE

**MAP ID:** 11

**NAME:** RED RIVER MARINE  
**ADDRESS:** 2001 HWY 25N-B  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12001630  
**ID2:** 006965  
**STATUS:**  
**PHONE:** 5013638235

**CONTACT:** BENNY HARGROVE

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 13	<b>DIST/DIR:</b> 0.14 SE	<b>MAP ID:</b> 12
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<b>NAME:</b> TRI-OAKS INC. # 2 PHILLIPS 66	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 4559 GREERS FERRY ROAD GREERS FERRY AR 72067	<b>ID1:</b> 12001505
	<b>ID2:</b> 006423
<b>CONTACT:</b> RUSSELL MARSHALL	<b>STATUS:</b>
	<b>PHONE:</b> 5018258154

**OWNER INFORMATION**

**OWNER ID NUMBER:** 006423  
**OWNER NAME:** TRI-OAKS  
**OWNER ADDRESS 1:** 8319 EDMONT  
 GREERS FERRY AR 72067  
**OWNER ADDRESS 2:**  
**PHONE:** 5018257708

**UNDERGROUND STORAGE TANK DETAILS**





## *Environmental FirstSearch Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 9	<b>DIST/DIR:</b> 0.23 SE	<b>MAP ID:</b> 13
<b>NAME:</b> J.B. S PIT STOP	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 7604 GREERS FERRY ROAD GREERS FERRY AR 72067	<b>ID1:</b> 12001626	
	<b>ID2:</b> 009187	
	<b>STATUS:</b>	
<b>CONTACT:</b> JOHNNY BITTLE	<b>PHONE:</b> 5018258576	

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	11/1/1998	<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	ADT POLY TECH

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>	S/V UNDER PUMP		

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	10/10/1987
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	11/1/1998	<b>MANUAL GAUGE:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 9   **DIST/DIR:** 0.23 SE   **MAP ID:** 13

**NAME:** J.B. S PIT STOP   **REV:** 05/15/06  
**ADDRESS:** 7604 GREERS FERRY ROAD   **ID1:** 12001626  
GREERS FERRY AR 72067   **ID2:** 009187  
**CONTACT:** JOHNNY BITTLE   **STATUS:**  
**PHONE:** 5018258576

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1987	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	11/1/1998	<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	ADT POLY TECH

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>	C/V UNDER PUMP		

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	10/1/1987
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 41	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> CHARCOAL JOHNS	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 7TH & WALNUT HEBER SPRINGS AR 72543	<b>ID1:</b> 12000029	
	<b>ID2:</b> 000464	
	<b>STATUS:</b>	
<b>CONTACT:</b> LEE STEPHENSON	<b>PHONE:</b> 5012682629	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 000464  
**OWNER NAME:** STEPHENSON OIL CO INC  
**OWNER ADDRESS 1:** 507 S ELM ST  
 SEARCY AR 72143  
**OWNER ADDRESS 2:**  
**PHONE:** 5012682629

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1960
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 9/1/1998
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 1000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No
<b>OTHER MAT:</b>	

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b> 1/1/1990	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> Yes
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> Yes	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> No	<b>OTHER RD DESC:</b>

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b> 1/1/1960	<b>ASPHALT COATING:</b> Yes
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> No
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> Yes

- Continued on next page -



# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 41

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHARCOAL JOHNS  
**ADDRESS:** 7TH & WALNUT  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000029  
**ID2:** 000464  
**STATUS:**  
**PHONE:** 5012682629

**CONTACT:** LEE STEPHENSON

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1960
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	9/1/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	1/1/1990	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1960	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 41   **DIST/DIR:** NON GC   **MAP ID:**

<b>NAME:</b> CHARCOAL JOHNS	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 7TH & WALNUT HEBER SPRINGS AR 72543	<b>ID1:</b> 12000029
	<b>ID2:</b> 000464
	<b>STATUS:</b>
<b>CONTACT:</b> LEE STEPHENSON	<b>PHONE:</b> 5012682629

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1960
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	9/1/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	1/1/1990	<b>MANUAL GAUGE:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 41	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> CHARCOAL JOHNS	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 7TH & WALNUT HEBER SPRINGS AR 72543	<b>ID1:</b> 12000029	
	<b>ID2:</b> 000464	
	<b>STATUS:</b>	
<b>CONTACT:</b> LEE STEPHENSON	<b>PHONE:</b> 5012682629	

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1960	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCVC:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	9/1/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	550 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	<i>- Continued on next page -</i>
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 41

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHARCOAL JOHNS  
**ADDRESS:** 7TH & WALNUT  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000029  
**ID2:** 000464  
**STATUS:**  
**PHONE:** 5012682629

**CONTACT:** LEE STEPHENSON

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	No
<b>TIGHTNESS TEST:</b>	No
<b>AUTO TK GAUGE:</b>	No
<b>GROUNDWATER MONITORING:</b>	No
<b>UNKNOWN:</b>	Yes
<b>MANUAL GAUGE:</b>	No
<b>INVENTORY CONTROLS:</b>	No
<b>VAPOR MONITOR:</b>	No
<b>INTERSTITIAL-DBL WALL:</b>	No
<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	No
<b>DIELECTRIC COATING:</b>	No
<b>INTERNAL LINING:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No
<b>OTHER CP DESC:</b>	
<b>ASPHALT COATING:</b>	No
<b>EXTERNAL FRP:</b>	No
<b>CATHODIC PROT SYSTEM:</b>	No
<b>CP UNKNOWN:</b>	Yes

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No
<b>SO DESC:</b>	
<b>SPILL BASIN:</b>	No
<b>AUTO FLOW RESTRICTOR:</b>	No
<b>SO UNKNOWN:</b>	Yes

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>DOUBLE WALLED:</b>	No
<b>PP UNKNOWN:</b>	Yes
<b>GALVANIZED STEEL:</b>	No
<b>COPPER:</b>	No
<b>SECONDARY CONTAINMENT:</b>	No
<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No
<b>PRESSURE:</b>	No
<b>REPAIR DATE:</b>	
<b>OTHER PP TYPE DESC:</b>	
<b>SUCTION; TCV:</b>	No
<b>GRAVITY:</b>	No
<b>UNKNOWN:</b>	Yes

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No
<b>OTHER PRD DESCRIPTION:</b>	
<b>GROUNDWATER MONITORING:</b>	No
<b>AUTO LEAK DETECTOR:</b>	No
<b>UNKNOWN:</b>	Yes

# Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 45	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> US ARMY CORPS OF ENGINEERS	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> PO BOX 310 HEBER SPRINGS AR 72543	<b>ID1:</b> 12000044	
	<b>ID2:</b> 000860	
<b>CONTACT:</b> WILLIAM C. GARNER	<b>STATUS:</b>	
	<b>PHONE:</b> 5013622416	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 000860  
**OWNER NAME:** US ARMY CORPS OF ENGINEERS  
**OWNER ADDRESS 1:** PO BOX 310  
HEBER SPRINGS AR 72543  
**OWNER ADDRESS 2:**  
**PHONE:** 5013622416

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1971
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 3/19/1992
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 8000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No
<b>OTHER MAT:</b>	

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> Yes	<b>OTHER RD DESC:</b>

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b> Yes
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> No
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> Yes

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 45

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** US ARMY CORPS OF ENGINEERS  
**ADDRESS:** PO BOX 310  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000044  
**ID2:** 000860  
**STATUS:**  
**PHONE:** 5013622416

**CONTACT:** WILLIAM C. GARNER

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1971
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	3/19/1992
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 45

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** US ARMY CORPS OF ENGINEERS  
**ADDRESS:** PO BOX 310  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000044  
**ID2:** 000860  
**STATUS:**  
**PHONE:** 5013622416

**CONTACT:** WILLIAM C. GARNER

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

# Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 25	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> COMMUNITY WATER <b>ADDRESS:</b> LAKE SHORE DRIVE HIGDEN AR 72067 <b>CONTACT:</b> JOHN THOMPSON	<b>REV:</b> 05/15/06 <b>ID1:</b> 12000043 <b>ID2:</b> 000384 <b>STATUS:</b> <b>PHONE:</b> 5018257964
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### OWNER INFORMATION

<b>OWNER ID NUMBER:</b>	000384
<b>OWNER NAME:</b>	C & D DIST. COMPANY
<b>OWNER ADDRESS 1:</b>	HIGHWAY 167 & 14 SOUTH BATESVILLE AR 72503
<b>OWNER ADDRESS 2:</b>	
<b>PHONE:</b>	5012512772

### UNDERGROUND STORAGE TANK DETAILS

#### GENERAL TANK INFORMATION

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	4/22/1991
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

#### TANK CONTENTS

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

#### MATERIAL(S) OF CONSTRUCTION

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

#### TANK RELEASE DETECTION (RD) INFORMATION

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

#### TANK CORROSION PROTECTION (CP) INFORMATION

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

#### SPILL & OVERFLOW PROTECTION (SO) INFORMATION

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes

- Continued on next page -



**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 25

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** COMMUNITY WATER  
**ADDRESS:** LAKE SHORE DRIVE  
HIGDEN AR 72067

**REV:** 05/15/06  
**ID1:** 12000043  
**ID2:** 000384  
**STATUS:**  
**PHONE:** 5018257964

**CONTACT:** JOHN THOMPSON

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 40

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** JERRY S PLACE  
**ADDRESS:** 6729 HEBER SPRINGS RD N  
DRASCO AR 72530

**REV:** 05/15/06  
**ID1:** 12000063  
**ID2:** 007059  
**STATUS:**  
**PHONE:** 8706683632

**CONTACT:** JERRY LILES

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

### Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 44		<b>DIST/DIR:</b> NON GC		<b>MAP ID:</b>	
<b>NAME:</b> JOHNSON S READY MIX CONCRETE		<b>REV:</b> 05/15/06			
<b>ADDRESS:</b> 230 HEBER SPRINGS ROAD WEST HEBER SPRINGS AR 72543		<b>ID1:</b> 12001617			
		<b>ID2:</b> 005835			
		<b>STATUS:</b>			
<b>CONTACT:</b> HARLEY JOHNSON		<b>PHONE:</b> 5013622008			

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	005835
<b>OWNER NAME:</b>	JOHNSON S READY MIX CONCRETE
<b>OWNER ADDRESS 1:</b>	P.O. OX 206 HEBER SPRINGS AR 72543
<b>OWNER ADDRESS 2:</b>	
<b>PHONE:</b>	5013622008

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	11/1/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	9999 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	7/3/1985	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	

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**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 44

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** JOHNSON S READY MIX CONCRETE  
**ADDRESS:** 230 HEBER SPRINGS ROAD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12001617  
**ID2:** 005835  
**STATUS:**  
**PHONE:** 5013622008

**CONTACT:** HARLEY JOHNSON

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	Yes	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			



**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 42

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONCORD PUBLIC SCHOOL  
**ADDRESS:** 10920 HEBER SPRINGS RD NORTH  
CONCORD AR 72523

**REV:** 05/15/06  
**ID1:** 12000081  
**ID2:** 000861  
**STATUS:**  
**PHONE:** 5013623178

**CONTACT:** DARRELL LOGAN

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	Yes	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 31	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> GOODWIN & DAUGHTERS	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 301 DAVE CREEK PARKWAY FAIRFIELD BAY AR 72088	<b>ID1:</b> 71000052 <b>ID2:</b> 007478	
<b>CONTACT:</b> VICKI MAHAN	<b>STATUS:</b>	
	<b>PHONE:</b> 5018846640	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 007478  
**OWNER NAME:** HOELZEMAN, RONALD & VICKI MAHAN  
**OWNER ADDRESS 1:** 301 DAVE CREEK PARKWAY  
 FAIRFIELD BAY AR 72088  
**OWNER ADDRESS 2:**  
**PHONE:** 5018843822

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1991
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	10000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	6/21/1990	<b>MANUAL GAUGE:</b>	Yes
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	6/21/1990	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	-

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**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 31	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> GOODWIN & DAUGHTERS	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 301 DAVE CREEK PARKWAY	<b>ID1:</b> 71000052	
FAIRFIELD BAY AR 72088	<b>ID2:</b> 007478	
<b>CONTACT:</b> VICKI MAHAN	<b>STATUS:</b>	
	<b>PHONE:</b> 5018846640	

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1991
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	6/21/1990	<b>MANUAL GAUGE:</b>	Yes
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	6/21/1990	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 31

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GOODWIN & DAUGHTERS  
**ADDRESS:** 301 DAVE CREEK PARKWAY  
FAIRFIELD BAY AR 72088

**REV:** 05/15/06  
**ID1:** 71000052  
**ID2:** 007478  
**STATUS:**  
**PHONE:** 5018846640

**CONTACT:** VICKI MAHAN

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1991
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	6/21/1990	<b>MANUAL GAUGE:</b>	- Continued on next page -
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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 39

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** QUITMAN PUBLIC SCHOOLS BUS SHO  
**ADDRESS:** 6403 HEBER SPRINGS ROAD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001650  
**ID2:** 001832  
**STATUS:**  
**PHONE:** 5015893156

**CONTACT:** RANDY TRAMMELL

**OWNER INFORMATION**

**OWNER ID NUMBER:** 001832  
**OWNER NAME:** QUITMAN PUBLIC SCHOOLS  
**OWNER ADDRESS 1:** 6403 HEBER SPRGS, P.O. BOX 178  
QUITMAN AR 72131  
**OWNER ADDRESS 2:**  
**PHONE:** 5015893156

**UNDERGROUND STORAGE TANK DETAILS**



*Environmental FirstSearch*  
*Site Detail Report*

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 38

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** QUITMAN PUBLIC SCHOOL (BUS SHO  
**ADDRESS:** 6275 HEBER SPRINGS RD. WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12000071  
**ID2:** 001832  
**STATUS:**  
**PHONE:** 5015893156

**CONTACT:** RANDY TRAMMELL

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1941
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	99 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	

- Continued on next page -



# Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 38	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> QUITMAN PUBLIC SCHOOL (BUS SHO	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 6275 HEBER SPRINGS RD. WEST	<b>ID1:</b> 12000071	
QUITMAN AR 72131	<b>ID2:</b> 001832	
<b>CONTACT:</b> RANDY TRAMMELL	<b>STATUS:</b>	
	<b>PHONE:</b> 5015893156	

<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No	
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No	
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No	
<b>UNKNOWN:</b> Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>		

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b> No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b> No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b> No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b> Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b> No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b> No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>	<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>		

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b> No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b> No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b> No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>		

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 4	<b>TANK INSTALLED DATE:</b>	8/1/1990
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b>	8/23/2002
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b> 1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b> Yes	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b> No	<b>GAS:</b>	No
<b>USED OIL:</b> No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> No	<b>EPOXY:</b>	<i>- Continued on next page -</i>
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 38

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** QUITMAN PUBLIC SCHOOL (BUS SHO  
**ADDRESS:** 6275 HEBER SPRINGS RD. WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12000071  
**ID2:** 001832  
**STATUS:**  
**PHONE:** 5015893156

**CONTACT:** RANDY TRAMMELL

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STI-P3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 37

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MORGAN S AFFILIATED FOODS  
**ADDRESS:** 6099 HEBER SPRINGS ROAD  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001611  
**ID2:** 005589  
**STATUS:**  
**PHONE:** 5015892680

**CONTACT:** JOHNNY MORGAN

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	2/1/2000
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 37

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MORGAN S AFFILIATED FOODS  
**ADDRESS:** 6099 HEBER SPRINGS ROAD  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001611  
**ID2:** 005589  
**STATUS:**  
**PHONE:** 5015892680

**CONTACT:** JOHNNY MORGAN

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 36 **DIST/DIR:** NON GC **MAP ID:**

**NAME:** GHENT S SERVICE STATION **REV:** 05/15/06  
**ADDRESS:** 5940 HEBER SPRINGS ROAD WEST **ID1:** 12000017  
QUITMAN AR 72131 **ID2:** 009555  
**CONTACT:** DONNIE GHENT **STATUS:**  
**PHONE:** 5015893212

**OWNER INFORMATION**

**OWNER ID NUMBER:** 009555  
**OWNER NAME:** GHENT, DONNIE  
**OWNER ADDRESS 1:** P.O. BOX 235  
QUITMAN AR 72131  
**OWNER ADDRESS 2:**  
**PHONE:** 5015893212

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

**TANK NUMBER:** 1 **TANK INSTALLED DATE:** 1/1/1990  
**TANK STATUS:** In Use **STATUS DATE:**  
**STATUS DETAILS:** **TANK COMMENT:**  
**TANK CAPACITY:** 4000 gal. **TANK REPAIR DATE:**  
**SITE ASSESSMENT DATE:** **SITE ASSESSMENT LEAK CHK:**

**TANK CONTENTS**

**EMPTY:** No **DIESEL:** No  
**KEROSENE:** No **GAS:** Yes  
**USED OIL:** No **NEW OIL:** No  
**UNKNOWN:** No **HAZARDOUS:**  
**MIXTURE DESCRIPTION:** **OTHER CONTENTS DESC:**

**MATERIAL(S) OF CONSTRUCTION**

**STEEL:** No **EPOXY:** Yes  
**COMPOSITE:** No **FBR GLASS REINFORCED PLASTIC:** No  
**CONCRETE:** No **INTERNAL LINER:** No  
**EXTERNAL LINER:** No **DOUBLE WALLED:** No  
**JACKET:** No **UNKNOWN:** No  
**OTHER MAT:**

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:** 1/1/1990 **MANUAL GAUGE:** No  
**TIGHTNESS TEST:** No **INVENTORY CONTROLS:** No  
**AUTO TK GAUGE:** No **VAPOR MONITOR:** Yes  
**GROUNDWATER MONITORING:** Yes **INTERSTITIAL-DBL WALL:** No  
**UNKNOWN:** No **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

**CP INSTALLED:** 1/1/1990 **ASPHALT COATING:** No  
**DIELECTRIC COATING:** Yes **EXTERNAL FRP:** No  
**INTERNAL LINING:** No **CATHODIC PROT SYSTEM:** No  
**ELECTRICAL ISOLATION:** No **CP UNKNOWN:** No  
**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

**SO INSTALLED:** **SPILL BASIN:** Yes  
**AUTO SHUTOFF VALVE:** No **AUTO FLOW RESTRICTOR:** Yes  
**AUTO HI LEVEL ALARM:** No **SO UNKNOWN:**

**- Continued on next page -**

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 36 **DIST/DIR:** NON GC **MAP ID:**

**NAME:** GHENT S SERVICE STATION **REV:** 05/15/06  
**ADDRESS:** 5940 HEBER SPRINGS ROAD WEST **ID1:** 12000017  
 QUITMAN AR 72131 **ID2:** 009555  
**CONTACT:** DONNIE GHENT **STATUS:**  
**PHONE:** 5015893212

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	COATED

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	1/1/1991	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1990	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 36

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GHENT S SERVICE STATION  
**ADDRESS:** 5940 HEBER SPRINGS ROAD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12000017  
**ID2:** 009555  
**STATUS:**  
**PHONE:** 5015893212

**CONTACT:** DONNIE GHENT

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	COATED

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:** 1/1/1990

**MANUAL GAUGE:**

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 36

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GHENT S SERVICE STATION  
**ADDRESS:** 5940 HEBER SPRINGS ROAD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12000017  
**ID2:** 009555  
**STATUS:**  
**PHONE:** 5015893212

**CONTACT:** DONNIE GHENT

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1990	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	COATED

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 36

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GHENT S SERVICE STATION  
**ADDRESS:** 5940 HEBER SPRINGS ROAD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12000017  
**ID2:** 009555  
**STATUS:**  
**PHONE:** 5015893212

**CONTACT:** DONNIE GHENT

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	1/1/1990	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	1/1/1990	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	COATED

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	Yes	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	5	<b>TANK INSTALLED DATE:</b>	1/1/1967
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	7/23/1997
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	550 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

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**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 36	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> GHENT S SERVICE STATION	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 5940 HEBER SPRINGS ROAD WEST QUITMAN AR 72131	<b>ID1:</b> 12000017	
	<b>ID2:</b> 009555	
	<b>STATUS:</b>	
<b>CONTACT:</b> DONNIE GHENT	<b>PHONE:</b> 5015893212	

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	Yes	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	Yes	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 35

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GATEWAY COUNTRY JUNCTION  
**ADDRESS:** 2324 HEBER SPRINGS RD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000060  
**ID2:** 008503  
**STATUS:**  
**PHONE:** 5015892505

**CONTACT:** BILL STOVALL

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	EPOXY COATED

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No

**OTHER PP TYPE DESC:**

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No

**OTHER PRD DESCRIPTION:**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1991
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	4/22/1999
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP-3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 35

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GATEWAY COUNTRY JUNCTION  
**ADDRESS:** 2324 HEBER SPRINGS RD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000060  
**ID2:** 008503  
**STATUS:**  
**PHONE:** 5015892505

**CONTACT:** BILL STOVALL

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>	STIP-3		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1991
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	4/22/1999
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP-3		

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:** MANUAL GAUGE:

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 35

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GATEWAY COUNTRY JUNCTION  
**ADDRESS:** 2324 HEBER SPRINGS RD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000060  
**ID2:** 008503  
**STATUS:**  
**PHONE:** 5015892505

**CONTACT:** BILL STOVALL

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>	STIP-3		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCVC:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	5/1/1999
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	12000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 35

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GATEWAY COUNTRY JUNCTION  
**ADDRESS:** 2324 HEBER SPRINGS RD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000060  
**ID2:** 008503  
**STATUS:**  
**PHONE:** 5015892505

**CONTACT:** BILL STOVALL

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	5/1/1999	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	5/1/1999	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	Yes
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	5	<b>TANK INSTALLED DATE:</b>	5/1/1999
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	12000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 35

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GATEWAY COUNTRY JUNCTION  
**ADDRESS:** 2324 HEBER SPRINGS RD WEST  
HEBER SPRINGS AR 72543

**REV:** 05/15/06  
**ID1:** 12000060  
**ID2:** 008503  
**STATUS:**  
**PHONE:** 5015892505

**CONTACT:** BILL STOVALL

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	5/1/1999	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	5/1/1999	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	Yes
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	Yes	<b>GROUNDWATER MONITORING:</b>	Yes
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 34

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLASH MARKET #24  
**ADDRESS:** RE:12001501  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 18001608  
**ID2:** 002319  
**STATUS:**  
**PHONE:** 5015892933

**CONTACT:** BARBARA JACKSON

**OWNER INFORMATION**

**OWNER ID NUMBER:** 002319  
**OWNER NAME:** FLASH MARKET INC  
**OWNER ADDRESS 1:** ATTN: PAULA STANFIELD  
WEST MEMPHIS AR 72303  
**OWNER ADDRESS 2:** PO BOX 2389  
**PHONE:** 8707322242

**UNDERGROUND STORAGE TANK DETAILS**

# Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREENS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREENS FERRY LAKE PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 33	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> FLASH MARKET #24	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 6030 HEBER SPRINGS RD WEST QUITMAN AR 72301	<b>ID1:</b> 12001501	
	<b>ID2:</b> 002319	
<b>CONTACT:</b> DONNA SZCZECINA	<b>STATUS:</b>	
	<b>PHONE:</b> 8707322242	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 002319  
**OWNER NAME:** FLASH MARKET INC  
**OWNER ADDRESS 1:** ATTN: PAULA STANFIELD  
WEST MEMPHIS AR 72303  
**OWNER ADDRESS 2:** PO BOX 2389  
**PHONE:** 8707322242

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	12/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STI-P3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>	STI-P3		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 33

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLASH MARKET #24  
**ADDRESS:** 6030 HEBER SPRINGS RD WEST  
QUITMAN AR 72301

**REV:** 05/15/06  
**ID1:** 12001501  
**ID2:** 002319  
**STATUS:**  
**PHONE:** 8707322242

**CONTACT:** DONNA SZCZECINA

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	12/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STI-P3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 33

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLASH MARKET #24  
**ADDRESS:** 6030 HEBER SPRINGS RD WEST  
QUITMAN AR 72301

**REV:** 05/15/06  
**ID1:** 12001501  
**ID2:** 002319  
**STATUS:**  
**PHONE:** 8707322242

**CONTACT:** DONNA SZCZECINA

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>	STI-P3		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	10/1/1999
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	10000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STI-P3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	10/1/1999	<b>MANUAL GAUGE:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 33

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLASH MARKET #24  
**ADDRESS:** 6030 HEBER SPRINGS RD WEST  
QUITMAN AR 72301

**REV:** 05/15/06  
**ID1:** 12001501  
**ID2:** 002319  
**STATUS:**  
**PHONE:** 8707322242

**CONTACT:** DONNA SZCZECINA

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	Yes	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	10/1/1999	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>	STI-P3		

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	10/1/1999	<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

# **Environmental FirstSearch**

## **Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 32

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO FOOD MART #120  
**ADDRESS:** 6199 HEBER SPRINGS RD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001629  
**ID2:** 000475  
**STATUS:**  
**PHONE:** 5012686107

**CONTACT:** STEVE LIGHTLE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 000475  
**OWNER NAME:** BHT INVESTMENT COMPANY  
**OWNER ADDRESS 1:** P.O. BOX 1469  
SEARCY AR 72145-1469  
**OWNER ADDRESS 2:**  
**PHONE:** 5012686107

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	8/15/1995
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	10000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	4/26/1995	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	4/26/1995	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	4/26/1995	<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	

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***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 32

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO FOOD MART #120  
**ADDRESS:** 6199 HEBER SPRINGS RD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001629  
**ID2:** 000475  
**STATUS:**  
**PHONE:** 5012686107

**CONTACT:** STEVE LIGHTLE

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	8/15/1995
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	8000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	4/26/1995	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	4/26/1995	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 32

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO FOOD MART #120  
**ADDRESS:** 6199 HEBER SPRINGS RD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001629  
**ID2:** 000475  
**STATUS:**  
**PHONE:** 5012686107

**CONTACT:** STEVE LIGHTLE

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	4/26/1995	<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	8/15/1995
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	4/26/1995	<b>MANUAL GAUGE:</b>	- Continued on next page -
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 32

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO FOOD MART #120  
**ADDRESS:** 6199 HEBER SPRINGS RD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001629  
**ID2:** 000475  
**STATUS:**  
**PHONE:** 5012686107

**CONTACT:** STEVE LIGHTLE

<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	4/26/1995	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	4/26/1995	<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCVC:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	8/15/1995
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	4000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	Yes	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	
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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 32

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO FOOD MART #120  
**ADDRESS:** 6199 HEBER SPRINGS RD WEST  
QUITMAN AR 72131

**REV:** 05/15/06  
**ID1:** 12001629  
**ID2:** 000475  
**STATUS:**  
**PHONE:** 5012686107

**CONTACT:** STEVE LIGHTLE

<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STIP3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	4/26/1995	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	Yes	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	4/26/1995	<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	4/26/1995	<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 27

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SHILOH GAS & TOBACCO  
**ADDRESS:** 8394 EDGEMONT RD  
GREERS FERRY AR 72067

**REV:** 05/15/06  
**ID1:** 12001504  
**ID2:** 009564  
**STATUS:**  
**PHONE:** 5018258576

**CONTACT:** JOHNNY BITTLE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 009564  
**OWNER NAME:** SECOND STAR INC.  
**OWNER ADDRESS 1:** 7209 GREERS FERRY RD  
GREERS FERRY AR 72067  
**OWNER ADDRESS 2:**  
**PHONE:** 5018256968

**UNDERGROUND STORAGE TANK DETAILS**



**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 28

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WESTSIDE PUBLIC SCHOOL  
**ADDRESS:** 7925 GREERS FERRY ROAD  
GREERS FERRY AR 72067

**REV:** 05/15/06  
**ID1:** 12000038  
**ID2:** 002935  
**STATUS:**  
**PHONE:** 5018256258

**CONTACT:** GAY F. HORTON

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 29

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CLINTON SCHOOL  
**ADDRESS:** SCHOOL STREET  
CLINTON AR 72031

**REV:** 05/15/06  
**ID1:** 71000015  
**ID2:** 002433  
**STATUS:**  
**PHONE:** 5017454212

**CONTACT:** DON BOONE

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			





## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 30

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** EDGEMONT GROCERY  
**ADDRESS:** 10249 EDGEMONT RD  
EDGEMONT AR 72044

**REV:** 05/15/06  
**ID1:** 12001652  
**ID2:** 010267  
**STATUS:**  
**PHONE:** 870-999-9999

**CONTACT:** NONE SHOWN

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes

**OTHER PP TYPE DESC:**

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes

**OTHER PRD DESCRIPTION:**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	8/1/2005
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	

**MIXTURE DESCRIPTION:**

**OTHER CONTENTS DESC:**

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	Yes

**OTHER MAT:**

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No

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**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 30

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** EDGEMONT GROCERY  
**ADDRESS:** 10249 EDGEMONT RD  
EDGEMONT AR 72044

**REV:** 05/15/06  
**ID1:** 12001652  
**ID2:** 010267  
**STATUS:**  
**PHONE:** 870-999-9999

**CONTACT:** NONE SHOWN

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 43

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GREERS FERRY EXXON  
**ADDRESS:** GREERS FERRY, AR  
GREERS FERRY AR 72543

**REV:** 05/15/06  
**ID1:** 12000013  
**ID2:** 000861  
**STATUS:**  
**PHONE:** 5013622467

**CONTACT:** DARRELL LOGAN

**SO DESC:**

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1987
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	10/15/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 43

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GREERS FERRY EXXON  
**ADDRESS:** GREERS FERRY, AR  
GREERS FERRY AR 72543

**REV:** 05/15/06  
**ID1:** 12000013  
**ID2:** 000861  
**STATUS:**  
**PHONE:** 5013622467

**CONTACT:** DARRELL LOGAN

<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1983
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	10/15/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:** MANUAL GAUGE:

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 43

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GREERS FERRY EXXON  
**ADDRESS:** GREERS FERRY, AR  
GREERS FERRY AR 72543

**REV:** 05/15/06  
**ID1:** 12000013  
**ID2:** 000861  
**STATUS:**  
**PHONE:** 5013622467

**CONTACT:** DARRELL LOGAN

<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

## Environmental FirstSearch Database Descriptions

**NPL:** *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

**CERCLIS:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

**NFRAP:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

**RCRA TSD:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

**RCRA COR:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

**RCRA GEN:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN – Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

**ERNS:** *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**STATE SITES:** *ARDEQ* Listing of hazardous waste generators facility summary

**SWL:** *ARDEQ* listing of all landfills. This database gives information on all landfill permit holders regardless of the permit status or the facility

**REG UST/AST:** *ARDEQ* Listing of all known underground storage tanks

**LEAKING UST:** *ARDEQ* Listing of all known leaking underground storage tanks

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.



## Environmental FirstSearch Database Sources

**NPL:** *EPA* Environmental Protection Agency

*Updated quarterly*

**CERCLIS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**NFRAP:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA TSD:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA COR:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA GEN:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**ERNS:** *EPA/NRC* Environmental Protection Agency

*Updated semi-annually*

**STATE SITES:** *ARDEQ* Arkansas Department of Environmental Quality

*Updated quarterly*

**SWL:** *ARDEQ* Arkansas Department of Environmental Quality

*Updated annually*

**REG UST/AST:** *ARDEQ* Arkansas Department of Environmental Quality

*Updated quarterly*

**LEAKING UST:** *ARDEQ* Arkansas Department of Environmental Quality

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
3rd St	0.00 --	Lakeview Rd	0.00 --
Abbey Rd	0.00 --	Lakeview Ter	0.17 NW
Abdin Ln	0.00 --	Lakewind Cir	0.00 --
Achey Breaky Ln	0.15 SE	Lakewood Rd	0.72 NW
Adrienne Ave	0.48 NW	Launch Ramp Rd	0.00 --
Air Rd	0.00 --	Lazy Oaks Ln	0.96 SW
Apache Rd	0.00 --	Leech Dr	0.00 --
Apache Trl	0.00 --	Leech Rd	0.00 --
Apple Pl	0.00 --	Les Nelson Rd	0.00 --
Arapaho Trl	0.22 NW	Linn Rd	0.00 --
Ash Ave	0.49 NW	Lisa Blvd	0.00 --
Ash St	0.00 --	Little Piney Ln	0.29 NW
Autumn Ln	0.34 NW	Loblolly Cir	0.00 --
Autumn Woods	0.21 SE	Lochland Dr	0.00 --
Baid Mt Rd	0.00 --	Locust Dr	0.71 NW
Bald Mt Rd	0.47 SW	Loeschner St	0.00 --
Barnum Rd	0.21 SW	Lois Ln	0.93 SW
Bass St	0.35 SE	Long Hill Rd	0.04 SW
Bending Willow Rd	0.00 --	Long Rd	0.00 --
Betty Owens Rd	0.36 NW	Lookout Dr	0.38 NW
Big Piney Ln	0.34 NW	Loop Rd	0.00 --
Bingle Dr	0.00 --	Los Robles Dr	0.00 --
Birchwood Cir	0.23 NW	Lost Cove Rd	0.02 NW
Blackjack Dr	0.88 SW	Lucy Ln	0.18 NW
Blue Jay Way	0.37 NW	Lumberjack Cir	0.15 NW
Bluebird	0.25 NW	Lumberjack Ln	0.14 NW
Bluff St	0.00 --	Luna Trl	0.00 --
Bobby Rd	0.54 SE	Lynn Creek Dr	0.08 NW
Bold Mt Rd	0.00 --	Lynn Creek Pky	0.00 --
Bold Mt State Route	0.00 --	Lynn Rd	0.00 --
Bondair Rd	0.00 --	Madelyn Ln	0.00 --
Bosie Ct	0.15 NW	Main St	0.00 --
Brewer Rd	0.00 --	Mallard Dr	0.00 --
Bridwell Park Rd	0.00 --	Maple	0.00 --
Brierwood Dr	0.00 --	Mari Bett Ln	0.00 --
Broadview Ct	0.18 NW	Mariner Dr	0.73 NW
Brook Hollow Rd	0.00 --	Marty Ln	0.00 --
Brown Ln	0.00 --	Max Ln	0.00 --
Brush Dr	0.00 --	Maxwells Dr	0.14 NW
Buck Ln	0.65 NW	Mayflower	0.00 --
Buff St	0.00 --	Mayhand Dr	0.00 --
Burning Tree Rd	0.00 --	Meadow Ln	0.66 NW
Burnt Rock Falls Cir	0.88 NW	Meadow Look Way	0.18 SE
Burnt Rock Falls Dr	0.89 NW	Meadowcliff Cir	0.59 NW
Burnt Rock Falls Ln	0.94 NW	Meadowview Ln	0.96 NW
Burnt Rock Falls Rd	0.36 NW	Medra Ln	0.00 --
Camalodge Ln	0.33 NW	Memory Ln	0.00 --
Cammaron Cir	0.29 NW	Mett Beadford Cir	0.93 NW

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Cardinal	0.21 NW	Mill Creek Rd	0.00 --
Carla Ln	0.00 --	Miller Point Rd NORT	0.40 SW
Carol Ave	0.00 --	Mimosa Ln	0.00 --
Casablanca Dr	0.00 --	Mitchell Rd	0.48 SW
Cedar Brook Rd	0.84 SE	Mockingbird Ln	0.59 NW
Cedar St	0.00 --	Mockingbird Rd	0.45 NW
Cedar Valley Cir	0.41 NW	Moonlight Ln	0.00 --
Cedar Valley Ct	0.45 NW	Moorland Dr	0.00 --
Cedar Valley Rd	0.00 --	Morgan Ln	0.00 --
Cedarwood Ln	0.77 SW	Mountain View No 1	0.00 --
Cemetery Rd	0.56 NW	Mountain View No 2	0.00 --
Central Ave	0.37 NE	Mt Rd	0.00 --
Chalet Cir	0.95 NW	Mystic Cir	0.00 --
Cherokee	0.00 --	Mystic Isle Rd	0.00 --
Cherokee Dr	0.00 --	Narrows Overlook Dr	0.00 --
Cherry St	0.00 --	Net Rd	0.95 NW
Choctaw Dr	0.00 --	Nixon Pass	0.00 --
Choctaw Pl	0.00 --	North Line Link	0.08 NW
Christopher Dr	0.00 --	O Brian Dr	0.62 SE
Church Camp Rd EAST	0.00 --	Oak Ln	0.40 SE
Circle Acres Rd	0.83 SW	Oak Ridge Rd	0.00 --
Clearmont Ct	0.00 --	Oak St	0.00 --
Clearmont Dr	0.00 --	Old Lake Rd	0.00 --
Cliff Cir	0.35 NW	Old Saw Mill Rd	0.97 NW
Cliff Ct	0.37 NW	Osage	0.00 --
Cliffview Dr	0.00 --	Overlook Dr	0.38 NW
Clover Ln	0.38 NW	Overview Ct	0.46 NW
Colby Creek Rd	0.34 SW	Owen Cir	0.36 NW
Collins Ct	0.29 NW	Owen Ln	0.34 NW
Columbus Dr	0.20 NW	Paradise Dr	0.00 --
Concho Rd	0.00 --	Paradise Point	0.00 --
Conn Ln	0.00 --	Park Ln	0.46 NE
Corsica Ct	0.00 --	Parker Ct	0.28 NW
County Road 1002	0.47 NW	Parkland Cir	0.66 NW
County Road 115	0.72 NW	Paw Paw Path	0.96 NW
County Road 190	0.00 --	Pearl Ct	0.81 NW
County Road 191	0.00 --	Penny Ln	0.00 --
County Road 192	0.05 NW	Penny Rd	0.53 SW
County Road 197	0.45 NW	Perch St	0.40 SE
County Road 21	0.32 NW	Percy Ln	0.00 --
County Road 23	0.03 SW	Pettit Dr	0.00 --
County Road 24	0.86 SE	Pike St	0.32 SE
County Road 289	0.00 --	Pine Hill Estates	0.37 NW
County Road 290	0.81 SW	Pine Hill Estates Rd	0.37 NW
County Road 298	0.28 SW	Pine Hill Rd	0.75 NW
County Road 309	0.00 --	Pine Needle Rd	0.37 NW
County Road 320	0.63 NE	Pine St	0.00 --
County Road 333	0.00 --	Pine Trl	0.34 SE

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
County Road 334	0.00 --	Pine Wood Estates	0.26 SW
County Road 336	0.00 --	Piney Ln Rd	0.23 SE
County Road 337	0.01 SW	Pioneer Rd	0.29 NW
County Road 347	0.00 --	Plum St	0.02 SE
County Road 348	0.00 --	Pointe Peaceful Rd	0.00 --
County Road 349	0.00 --	Polly Cir	0.23 NW
County Road 357	0.93 SW	Ponca Rd	0.00 --
County Road 358	0.96 SW	Potters Point Rd	0.00 --
County Road 54	0.00 --	Powell Ct	0.75 NW
County Road 619	0.41 SW	Prince Rd	0.00 --
County Road 621	0.86 SE	Prospect Dr	0.07 NW
County Road 623	0.00 --	Quail Tr	0.53 NW
County Road 652	0.00 --	Quiet Bend Dr	0.51 NW
County Road 653	0.00 --	Rabbit Ears Cir	0.78 NW
County Road 677	0.00 --	Rabbit Ears Ct	0.77 NW
County Road 678	0.41 SE	Rabbit Ears Ln	0.85 NW
County Road 682	0.00 --	Rabbit Ears Rd	0.82 NW
County Road 684	0.00 --	Rainbow Ct	0.95 NW
County Road 685	0.00 --	Randy Hts	0.00 --
County Road 93	0.89 NW	Reba Ln	0.00 --
County Road 94	0.00 --	Red Bird Rd	0.44 NW
Crockett Rd	0.00 --	Red Oak Rd	0.00 --
Crow	0.00 --	Redbud St	0.00 --
Daisy Dr	0.42 NW	Renae Blvd	0.00 --
Dana Ln	0.00 --	Reservoir Rd	0.00 --
Danny Dr	0.00 --	Rhonda Rd	0.00 --
Darlene Dr	0.36 SW	Rich Haven Cir	0.03 NW
Dave Creek Ln	0.38 NW	Richwood Cir	0.07 NW
Dave Creek Phwy	0.00 --	Ridgeview Dr	0.76 NW
Dave Creek Pky	0.00 --	Riverview Dr	0.14 NW
Dave Creek Pwky	0.00 --	Road Runner	0.00 --
Dave Crook Pky	0.22 NW	Roberts Rd	0.00 --
Davis Rd	0.00 --	Robin Hood Cir	0.06 NW
Daxton Cir	0.82 NW	Robin Ln	0.00 --
Debra St	0.00 --	Robinhood Trl	0.00 --
Decatur St	0.00 --	Rocky Ridge Ln	0.00 --
Deer Creek Dr	0.00 --	Rose Dr	0.63 SW
Devil s Fork Rd	0.00 --	Rosemary Ln	0.00 --
Diamond Bluff Rd	0.00 --	Rosewood Ct	0.00 --
Dog Trl	0.58 NW	Rosby Junction	0.00 --
Dog Wood Dr	0.00 --	Rushing Trail Rd	0.00 --
Dogwood	0.00 --	S Miller Point Rd	0.42 SW
Dogwood St	0.00 --	Salt Cave Dr	0.00 --
Doris Ln	0.76 SW	Salt Creek Rd	0.00 --
Doubles Dr	0.97 NW	Sandburg Dr	0.00 --
Dover Ln	0.19 NW	Sandlewood	0.00 --
Drake Dr	0.21 NW	Sandrif Rd	0.45 SW
Dundee Cir	0.00 --	Santa Lucia Dr	0.00 --

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
E Bondair Rd	0.00 --	School St	0.00 --
E Cliff Dr	0.49 NW	Seminole Rd	0.00 --
E Crest Cir	0.00 --	Shaded Acres Dr	0.65 NW
E Lakeside Drive Ter	0.89 NW	Shiloh Rd	0.07 NE
E Rdg Dr	0.00 --	Short Cut	0.00 --
Eagle Ridge Trce	0.75 NW	Silagy Dr	0.00 --
Eagle Shores Cir	0.00 --	Silver Cir	0.18 NW
Easom Ln	0.00 --	Silver Lake Rd	0.00 --
EAST Bondair Rd	0.00 --	Singer	0.00 --
East Cliff Dr	0.00 --	Sioux Trl	0.00 --
EAST Crest Cir	0.00 --	Ski King Dr	0.63 NW
EAST Lakeside Drive	0.89 NW	Sky King Ct	0.47 NW
EAST Rdg Dr	0.00 --	Sky King Dr	0.45 NW
Edgemont Rd	0.00 --	Skyline Dr	0.00 --
Edgewood Ct	0.34 NW	South Dr	0.02 NE
Egelton Rd	0.05 NW	SOUTH Miller Point R	0.42 SW
El Camido Real	0.00 --	Southwind Cir	0.00 --
Ellen Ln	0.55 SW	Spring	0.00 --
Elm Ln	0.95 NW	Spring Dr	0.04 SE
Emmet Bradford Cir	0.93 NW	Spring Hill Rd	0.00 --
Evergreen Ave	0.49 NW	Stanfield Rd	0.00 --
Factory Rd	0.87 NW	Star Light Cir	0.00 --
Fairhaven Dr	0.95 NW	Stark Ave	0.00 --
Farmers Cir	0.53 SW	Stark Rd	0.00 --
Fawn Pl	0.52 NW	State Highway 16	0.72 NW
Fayes Forest Rd	0.20 NW	State Highway 330	0.00 --
Fern Pl	0.50 NW	State Highway 336	0.00 --
Fern Trl	0.43 NW	State Highway 337	0.16 SE
Ferris Ln	0.00 --	State Highway 92	0.15 SW
Foot Hill Rd	0.34 SE	State Highway 95	0.00 --
Forest Rd	0.19 NW	Steve	0.49 NW
Fox Hollow Rd	0.19 NW	Stillwood	0.76 NW
Gayes Dr	0.27 NW	Strawberry Field	0.00 --
Genie Ln	0.00 --	Sue Ln	0.00 --
Gilbert St	0.00 --	Sugar Ln Rd	0.17 SE
Glenwood Ct	0.00 --	Sugar Loaf Dr	0.00 --
Glenwood Dr	0.29 NW	Sugar Loaf Rd	0.34 NW
Glenwood Ln	0.33 NW	Sun Dr	0.00 --
Glenwood Loop	0.00 --	Sunflower Dr	0.00 --
Gr Tree Rd	0.03 SE	Sunnyside Ave	0.00 --
Granada Cir	0.00 --	Sunrise Cir	0.00 --
Grand Isle Dr	0.00 --	Sunset Dr	0.00 --
Grasshopper Ln	0.00 --	Sunset Point Dr	0.00 --
Green Hill Rd	0.46 NW	Sycamore	0.82 NW
Greenwood Dr	0.15 NW	Sylvan Dr	0.00 --
Greenwood Rd	0.06 NW	Sylvay Dr	0.00 --
Greers Ferry Rd	0.16 SE	Tama Rd	0.00 --
Gregory Dr	0.61 NW	Taylor Rd	0.32 SW

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Gregpry Dr	0.70 NW	Tee Pee Trl	0.00 --
Greywood Dr	0.00 --	Tennyson Dr	0.00 --
Griffins Tr	0.00 --	Terrys Beach	0.00 --
Hallmore Dr	0.00 --	Teton Dr	0.00 --
Hamilton Cv	0.00 --	Texas Dr	0.00 --
Hammer Ln	0.08 NW	The Narrows Dr	0.00 --
Hanson Ln	0.00 --	Thompson Rd	0.38 NE
Harden Dr	0.00 --	Tice Rd	0.00 --
Heritage Hill	0.13 NW	Timber Rd	0.09 NW
Hester Cir	0.00 --	Tods Trl	0.46 SW
Hickory Cir	0.17 NW	Toll Dr	0.20 N-
Hickory Dr	0.00 --	Tonkawa Rd	0.00 --
Hickory Forest Rd	0.24 NW	Tortoise Bay Rd	0.00 --
Hickory Ln	0.16 NW	Tracy Ann Ter	0.80 SW
Hickory St	0.00 --	Treece Ln	0.22 NE
Hickory Ter	0.15 NW	Tulip	0.00 --
Hiddon Valley Rd	0.00 --	United States Highwa	0.88 SW
Hidgen Rd	0.11 SW	Ute Rd	0.00 --
Higden Rd	0.00 --	Vail Ct	0.60 NW
High Point Ct	0.71 NW	Valhalla Dr	0.00 --
Highland Dr	0.83 NW	Victory Dr	0.24 NE
Hillcrest Ct	0.00 --	Victory Ln	0.34 NE
Hillcrest Dr	0.00 --	Vista Ln	0.76 NW
Hillside Dr	0.57 NW	W Cliff Dr	0.23 NW
Hilltop Dr	0.00 --	W Cliff Spur	0.98 NW
Holley Rd	0.00 --	Walnut	0.23 NW
Homestead Ct	0.00 --	Walnut Cir	0.29 NW
Horse Shoe Ln	0.00 --	Walnut St	0.00 --
Howard Rd	0.52 SW	Watercress Cir	0.00 --
Huckleberry	0.00 --	Wave Crest Cir	0.00 --
Hummingbird Rd	0.00 --	Wayside Cir	0.84 NW
Hunters Mt Rd	0.20 SE	Wayside Ct	0.85 NW
Hunters Rd	0.00 --	Wayside Dr	0.84 NW
Hurricane Dr	0.00 --	West Circle Acres Dr	0.00 --
Iowa Rd	0.00 --	WEST Cliff Dr	0.23 NW
Irish Hills Rd	0.00 --	WEST Cliff Spur	0.98 NW
Ivy	0.58 NW	Westbrook Ct	1.00 NW
James Lawrence Ave	0.00 --	Westwood Rd	0.94 NW
James St	0.00 --	Wheatwood Lodge Rd	0.00 --
Jennifers Ct	0.22 NW	Whip Poor Will	0.00 --
Jimmerson Rd	0.00 --	Whipoorwill Ln	0.00 --
Johnson Cir	0.00 --	Whispering Dr	0.00 --
Johnston Ln	0.00 --	White Oak Ct	0.59 NW
Jonwood Cir	0.02 NW	White Oak Dr	0.52 NW
Kathy Ln	0.00 --	White Rock Rd	0.00 --
Kinder Hook Cir	0.00 --	Whitewood Cir	0.00 --
Kinderhook	0.00 --	Whitmora Cir	0.17 NW
Kinderhook Rd	0.00 --	Whitney Ln	0.00 --

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

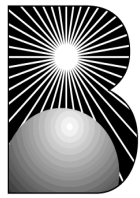
**TARGET SITE:** GREERS FERRY LAKE  
HIGDEN AR 72067

**JOB:** 0620-02  
GREERS FERRY LAKE PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
King Arthur Dr	0.60 NW	Wigwam Trl	0.04 NW
Kings Ct	0.68 NW	Wig-Wam Trl	0.00 --
Kings Pl	0.00 --	Wilbourn Ln	0.00 --
Knollside Rd	0.24 NW	Wild Rd	0.00 --
Kristi Rd	0.00 --	Wildwood Trl	0.00 --
Lafferty Ct	0.83 NW	Wilshire Ct	0.00 --
Lafferty Ln	0.54 NW	Wilshire Dr	0.00 --
Lake Country Ct	0.86 NW	Wilshire Ln	0.00 --
Lake Country Dr	0.80 NW	Wilshire Rd	0.00 --
Lake Dwellers Dr	0.36 NW	Wilshire Ter	0.00 --
Lake Front Rd	0.00 --	Windover Dr	0.00 --
Lake Ice Rd	0.00 --	Wood Grove Ln	0.17 SE
Lake Park Dr	0.00 --	Woodland Dr	0.00 --
Lake Pointe Rd	0.04 SW	Woodland Rd	0.82 NW
Lake Shore Dr	0.00 --	Woodlawn Cir	0.30 NW
Lakeshore Dr	0.00 --	Woodlawn Ct	0.14 NW
Lakeside Cir	0.42 NW	Woodlawn Dr	0.02 NW
Lakeside Dr	0.00 --	Woodson	0.94 NW
Lakeview Cir	0.15 NW	Wortman	0.00 --
Lakeview Ct	0.21 NW	Zenith Dr	0.36 NW
Lakeview Dr	0.00 --		
Lakeview Ln	0.11 NW		



# Lake Ouachita



Banks Information Solutions, Inc.

## Environmental FirstSearch™ Report

TARGET PROPERTY:

**LAKE OUACHITA**

**ROYAL AR 71968**

Job Number: 0620-01

**PREPARED FOR:**

GEC, INC.

P.O. Box 84010

Baton Rouge, LA 70884-4010

ASTM

06-22-06



*Tel: (512) 478-0059*

*Fax: (512) 478-1433*

***Environmental FirstSearch  
Search Summary Report***

**Target Site:** LAKE OUACHITA  
ROYAL AR 71968

**FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-10-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	03-08-06	0.50	0	0	0	0	-	0	0
NFRAP	Y	03-08-06	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	04-16-06	0.50	0	0	0	0	-	0	0
RCRA COR	Y	04-16-06	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	04-16-06	0.25	2	0	0	-	-	0	2
ERNS	Y	12-31-05	0.15	0	0	0	-	-	0	0
State Sites	Y	NA	1.00	0	0	0	0	0	0	0
SWL	Y	12-09-04	0.50	0	0	0	0	-	1	1
REG UST/AST	Y	05/15/06	0.25	12	2	0	-	-	8	22
Leaking UST	Y	05/15/06	0.50	2	0	0	0	-	0	2
- TOTALS -				16	2	0	0	0	9	27

**Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Information Solutions, Inc., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Information Solutions, Inc.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

**Waiver of Liability**

Although Banks Information Solutions, Inc. uses its best efforts to research the actual location of each site, Banks Information Solutions, Inc. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Information Solutions, Inc.'s services proceeding are signifying an understanding of Banks Information Solutions, Inc.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.



# Environmental FirstSearch

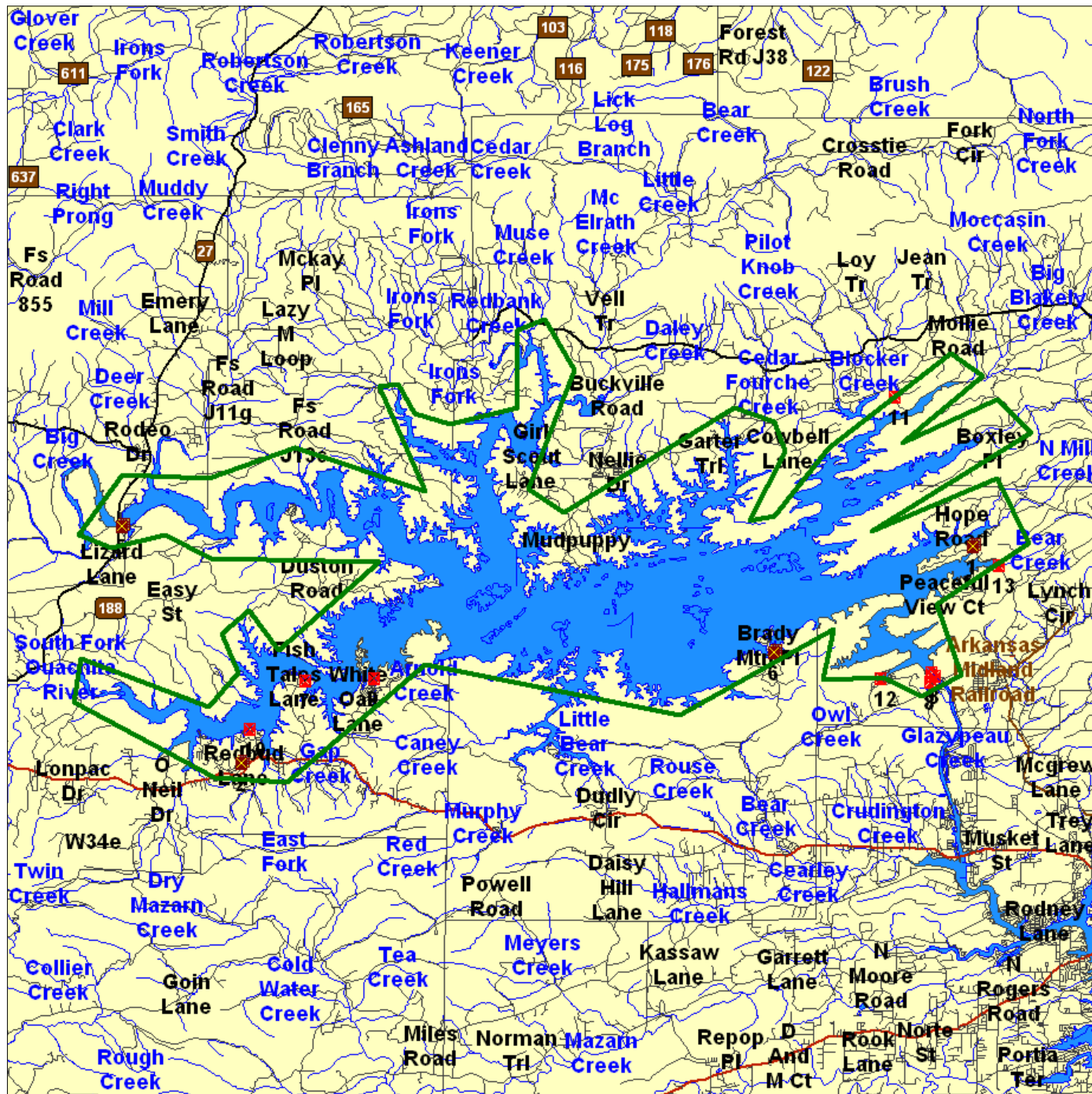
1 Mile Radius from Area

Single Map:

Environmental  
**FIRSTSEARCH**

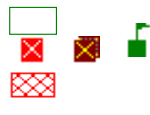


## LAKE OUACHITA , ROYAL AR 71968



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....



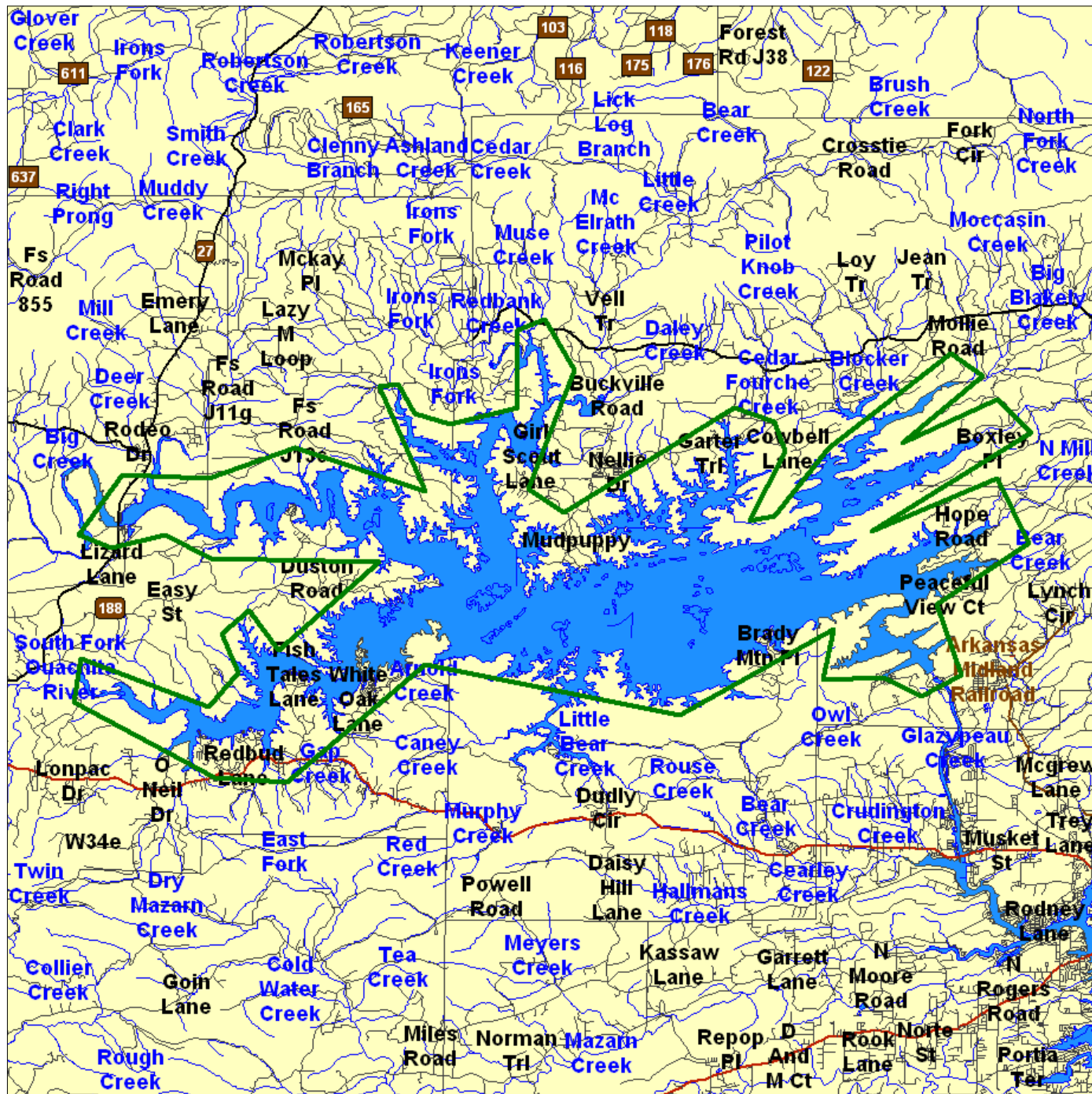


# Environmental FirstSearch

1 Mile Radius from Area  
ASTM: NPL, RCACOR, STATE

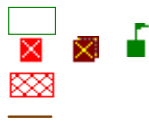


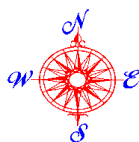
## LAKE OUACHITA , ROYAL AR 71968



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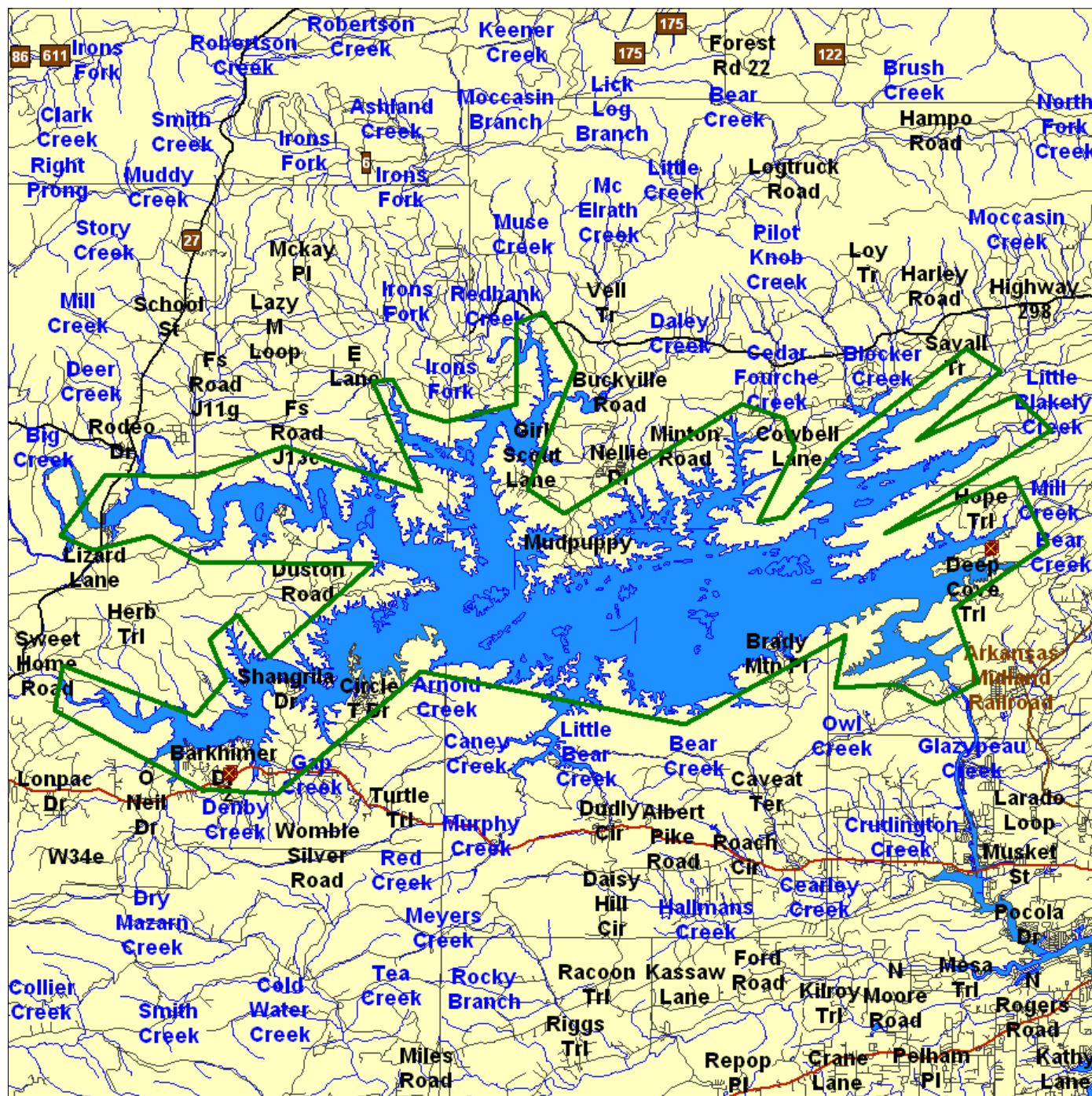


# Environmental FirstSearch

.5 Mile Radius from Area  
ASTM: CERCLIS, NFRAP, RCRATSD, LUST, SWL

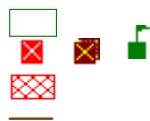


## LAKE OUACHITA , ROYAL AR 71968



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





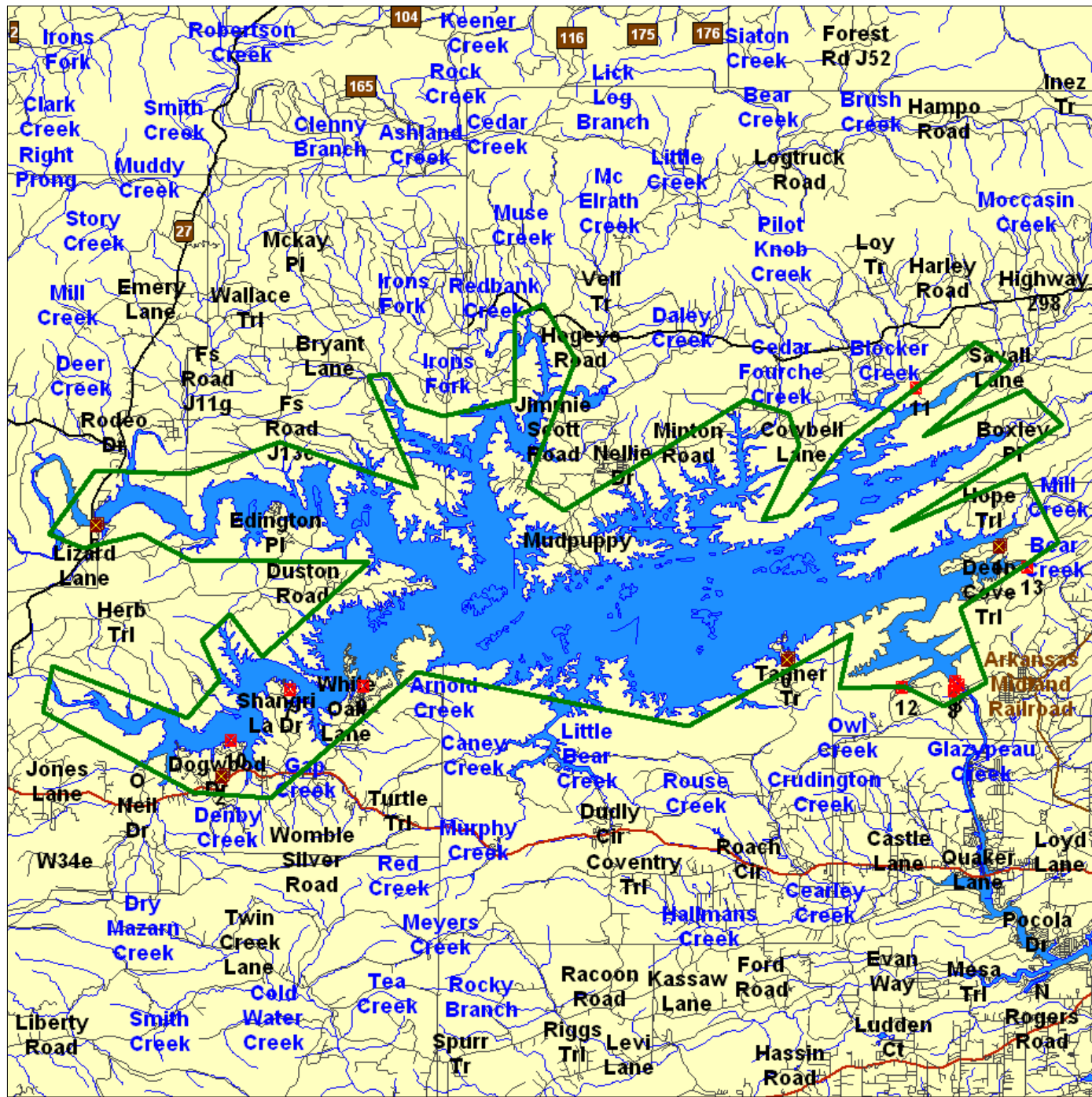
# Environmental FirstSearch

.25 Mile Radius from Area

ASTM: RCRA GEN, UST

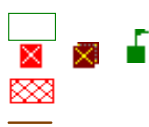


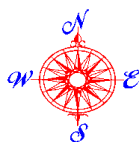
## LAKE OUACHITA , ROYAL AR 71968



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





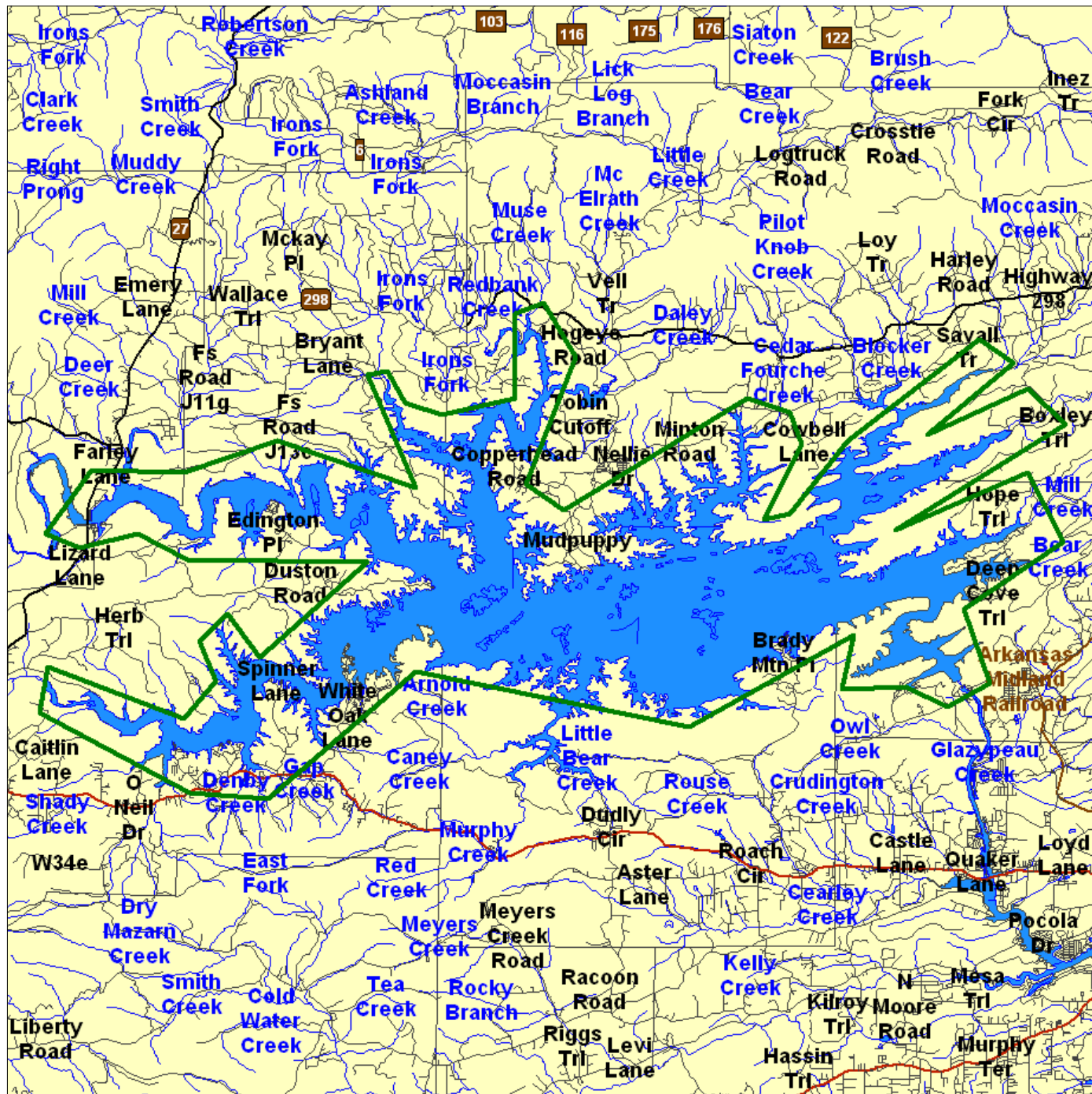
# Environmental FirstSearch

.15 Mile Radius from Area

ASTM: ERNS



## LAKE OUACHITA , ROYAL AR 71968



Source: 2002 U.S. Census TIGER Files

- Area Polygon .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....
- Railroads .....





**Environmental FirstSearch  
Site Information Report**

**Request Date:** 06-22-06  
**Requestor Name:** davide  
**Standard:** ASTM

**Search Type:** AREA  
**Job Number:** 0620-01  
**Filtered Report**

**TARGET ADDRESS: LAKE OUACHITA  
ROYAL AR 71968**

*Demographics*

<b>Sites:</b> 27	<b>Non-Geocoded:</b> 9	<b>Population:</b> NA
<b>Radon:</b> 1 PCI/L		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-93.359393	-93:21:34	<b>Easting:</b> 467051.856
<b>Latitude:</b>	34.616922	34:37:1	<b>Northing:</b> 3830424.82
			<b>Zone:</b> 15

*Comment*

**Comment:**LAKE OUACHITA PERIMETER SEARCH

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 1 Mile(s)					<b>Services:</b>																																																							
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td>71949</td> <td>JESSIEVILLE</td> <td>AR</td> <td>0.00 --</td> <td>Y</td> </tr> <tr> <td>71956</td> <td>MOUNTAIN PINE</td> <td>AR</td> <td>0.00 --</td> <td>Y</td> </tr> <tr> <td>71957</td> <td>MOUNT IDA</td> <td>AR</td> <td>0.00 --</td> <td>Y</td> </tr> <tr> <td>71969</td> <td>SIMS</td> <td>AR</td> <td>0.94 NW</td> <td>Y</td> </tr> <tr> <td>71970</td> <td>STORY</td> <td>AR</td> <td>0.00 --</td> <td>Y</td> </tr> </tbody> </table>					ZIP Code	City Name	ST	Dist/Dir	Sel	71949	JESSIEVILLE	AR	0.00 --	Y	71956	MOUNTAIN PINE	AR	0.00 --	Y	71957	MOUNT IDA	AR	0.00 --	Y	71969	SIMS	AR	0.94 NW	Y	71970	STORY	AR	0.00 --	Y	<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Sanborns</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>			Requested?	Date	Sanborns	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search	No		Municipal Reports	No		Online Topos	No	
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## *Environmental FirstSearch*

### *Selected Sites Summary Report*

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**TOTAL:** 27      **GEOCODED:** 18      **NON GEOCODED:** 9      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
1	LUST	LAKE OUACHITA STATE PARK 26-009	END OF HIGHWAY 227 HC 33, B MOUNTAIN PINE AR 71956	0.00 --	1
2	LUST	HARBOR GENERAL STORE 49-006	5402 HIGHWAY 270 E. MT. IDA AR 71957	0.00 --	2
3	RCRAGN	US ARMY CORP ENG BLAKELY MTN PWR P AR9210899861/VGN	1111 BLAKELY DAM RD MOUNTAIN PINE AR 71956	0.00 --	4
4	RCRAGN	US ARMY CORPS ENG-LAKE OUACHITA FI AR8960009555/VGN	BLAKELY DAM SITE 3M W MT PI MOUNTAIN PINE AR 71956	0.00 --	5
	SWL	US COE LAKE OUACHITA WASTE TS 0040-SG-TSW/OPEN	1201 BLAKELY DAM ROAD ROYAL AR 71968	NON GC	62
5	UST	HWY 27 FISHING VILLAGE 48001607	RE:49001612 MT IDA AR 71957	0.00 --	6
6	UST	BRADY MOUNTAIN RESORT & MARINA 26001739	4120 BRADY MOUNTAIN ROAD ROYAL AR 71968	0.00 --	7
6	UST	BRADY MT. LODGE 26000094	4120 BRADY MOUNTAIN ROAD ROYAL AR 71968	0.00 --	10
5	UST	HIGHWAY 27 FISHING VILLAGE 49001612	214 FISHING VILLAGE RD STORY AR 71970	0.00 --	18
5	UST	HWY 27 FISHING VILLAGE 49000000	LAKE OUACHITA STORY AR 71970	0.00 --	19
7	UST	SHANGRI-LA RESORT 49000052	1010 SHANGRI-LA DRIVE MOUNT IDA AR 71957	0.00 --	23
1	UST	LAKE QUACHIA STATE PARKR 60001618	STAR ROUTE #1 BOX 1160 MOUNTAI PINE AR 71956	0.00 --	31
8	UST	LAKE QUACHITA FIELD OFFICE 26000096	1201 BLAKELY DAM ROAD ROYAL AR 71968	0.00 --	34
9	UST	MOUNTAIN HARBOR RESORT 49000057	994 MOUNT HARBOR ROAD MOUNT IDA AR 71957	0.00 --	38
2	UST	HARBOR GENERAL STORE 49001610	5402 HIGHWAY 270 EAST MT. IDA AR 71957	0.00 --	47
10	UST	OUACHITA SHORES RESORT 49000051	334 OUACHITA SHORES PKWY MOUNT IDA AR 71957	0.00 --	50
11	UST	RON COLEMAN 26001730	358 BIGHOLE ROAD JESSIEVILLE AR 71949	0.00 --	56
12	UST	SPILLWAY RESORT & MARINA 26001504	#1 SPILLWAY RD MOUNTAIN PINE AR 71956	0.03 SE	56
13	UST	LAKE OUACHITA STATE PARK 26000020	5451 MOUNTAIN PINE ROAD MOUNTAIN PINE AR 71956	0.07 SE	57
	UST	R & W INC 26001710	333 HARPER GROCERY ROAD BUCKVILLE AR 71949	NON GC	63
	UST	WOMBLE WORK CENTER 49000020	HIGHWAY 270 WEST MT. IDA AR 71957	NON GC	64

***Environmental FirstSearch***  
***Selected Sites Summary Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**TOTAL:** 27                    **GEOCODED:** 18                    **NON GEOCODED:** 9                    **SELECTED:** 27

<b>Map ID</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>Page No.</b>
	UST	WACO ONE 49000071	HIGHWAY 27 AND 270 MOUNT IDA AR 71957	NON GC	70
	UST	THRIFTY MART 49000082	HIGHWAY 27 MOUNT IDA AR 71957	NON GC	74
	UST	LIGON OIL COMPANY 49001502	JCT. HIGHWAY 270 WEST & 27 MOUNT IDA AR 71957	NON GC	77
	UST	JONES-AVRA READY MIX 49000049	2 MILES SOUTH HWY 27 MOUNT IDA AR 71957	NON GC	78
	UST	BLUE BELL GROCERY & STATION 49000050	6 MILES NORTH HWY 27 MOUNT IDA AR 71957	NON GC	80
	UST	PITTMAN GROCERY 49000080	HIGHWAY 27 STORY AR 71970	NON GC	83

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 18                                  **DIST/DIR:** 0.00 --                                  **MAP ID:** 1

**NAME:** LAKE OUACHITA STATE PARK                                  **REV:** 5/15/06  
**ADDRESS:** END OF HIGHWAY 227 HC 33, BOX 1160                                  **ID1:** 26-009  
MOUNTAIN PINE AR 71956                                  **ID2:** 26000020  
**CONTACT:** TOM OSHEL                                  **STATUS:**  
**PHONE:** 5017679366                                  **PHONE:** 5017679366

**NOTIFIER INFORMATION**

**NOTIFIER NAME:** TOM OSHEL  
**NOTIFIER ADDRESS:** LAKE OUACHITA STATE PARK HC 33, BOX 1160  
MOUNTAIN PINE AR 71956  
**NOTIFIER PHONE:** 5017679366  
**OWNER NAME:** AR DEPT OF PARKS & TOURISM  
**OWNER PHONE:** 5017679366

**LEAK INFORMATION**

**DATE OF LEAK DISCOVERY:** 10/27/1991  
**METHOD OF LEAK DISCOVERY CODE:** OTH  
**CAUSE OF LEAK:** HOLE IN LINE.  
**DAMAGE DESCRIPTION:** SURFACE SPILL.

**SUBSTANCE LEAKED**

**GASOLINE:** No  
**DIESEL:** No  
**KEROSENE:** No  
**JET FUEL:** No  
**USED OIL:** No  
**NEW OIL:** No  
**UNKNOWN:** Yes  
**CERCLA SUBSTANCE:**

**ACTIONS TAKEN**

**METHOD OF DISCOVERY:** VISUAL. SPILL OCCURRED MAINLY ON EARTHEN EMBANKMENT AREA. DUE TO RAINFALL, NO PRODUCT WAS RECOVERED. INITIAL NOTICE GIVEN TO J. B. GARNER (PC&E) ON 10/27/91, AS WELL AS CORPS OF ENGINEERS. SYSTEM SHUT DOWN; REPAIR SCHEDULED FOR TODAY.

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**LEAKING UNDERGROUND STORAGE TANKS**

---

<b>SEARCH ID:</b> 17	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 2
----------------------	--------------------------	------------------

---

<b>NAME:</b> HARBOR GENERAL STORE	<b>REV:</b> 5/15/06
<b>ADDRESS:</b> 5402 HIGHWAY 270 E. MT. IDA AR 71957	<b>ID1:</b> 49-006
	<b>ID2:</b> 49001610
<b>CONTACT:</b> WARREN	<b>STATUS:</b>
	<b>PHONE:</b>

---

**NOTIFIER INFORMATION**

**NOTIFIER NAME:** WARREN  
**NOTIFIER ADDRESS:** ADEQ  
LR AR  
**NOTIFIER PHONE:**  
**OWNER NAME:** GLENDA O REGAN  
**OWNER PHONE:** 8708672340

**LEAK INFORMATION**

**DATE OF LEAK DISCOVERY:**  
**METHOD OF LEAK DISCOVERY CODE:** INS  
**CAUSE OF LEAK:** UNKNOWN  
**DAMAGE DESCRIPTION:** 4 FREE PRODUCT IN SOUTH MONITOR WELL, 6 FREE PRODUCT IN NORTH MONITOR WELL

**SUBSTANCE LEAKED**

<b>GASOLINE:</b>	Yes
<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No
<b>JET FUEL:</b>	No
<b>USED OIL:</b>	No
<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No
<b>CERCLA SUBSTANCE:</b>	

**ACTIONS TAKEN**

**METHOD OF DISCOVERY:** LEAK DISCOVERED DURING ROUTINE COMPLIANCE INSPECTION OWNER DIRECTED TO RECOVER FREE PRODUCT AND BEGIN IRR 20041029 LETTER FROM OWNER RECEIVED ON THIS DATE STATING OWNER S REFUSAL TO RECOVER FREE PRODUCT OR CONDUCT ANY ASSESSMENT. MAW 11/3/04 (James Atchley) Case file opened with the Technical Branch. Site has been designated state- lead, to be costed to #7041. Minor amounts of product in the UST tankhold. Some private wells are in the immediate area of the release, and the owners have complained about possible impact. Priority is high due to the presence of threatened receptors and the absence of information. 11/9/04 (James Atchley) Preliminary assessment completed which identifies source materials and potentially impacted off-site drinking water supplies. 11/12/04 (James Atchley) Our copy of letter from the Legal Division requesting a commitment to go forward or a signed access agreement within five days. 11/18/04 W. PAES TRUST FUND ELIGIBILITY DENIED. LETTER DATED NOVEMBER 15, 2004. 11/23/04 (James Atchley) Tank system testing and free product recovery ordered this date. 12/6/04 (James Atchley) Report of vacuum extraction of the tankhold submitted. On 11/24/04, they got 48 gallons recovery, in 3.5 hours, for about 2400 gallons wastewater. Second vacuum extraction event ordered, to be conducted on 12/9. 12/7/04 (James Atchley) Our letter to PMI this date requesting a work plan for level-and-extent investigation. Plan by 12/17. 12/8/04 (James Atchley) UST systems testing reported out. All systems passed. 12/17/04 (James Atchley) Work plan for Limited Site Assessment submitted. Draft was approved by e-mail on 12/10; report by 1/28. 1/5/05 (James Atchley) Second vacuum extraction event reported out. On 12/9, they got 43 gallons of recovery, in four hours, generating 2400 gallons of wastewater. 1/28/05 (James Atchley) LSA reported out. Migration to native soils in direction of motel confirmed. 2/7/05 (James Atchley) Off-site monitor wells requested; work plan by 2/18/05. 2/18/05 (James Atchley) Site Investigation Plan #2 submitted. 2/28/05 (James Atchley) SIP2 approved; report by 4/8. 4/6/05 (James Atchley) SAR2 submitted. 4/15/05 (James Atchley) Request to URS for source control plan. 5/12/05 (James Atchley) Request to PMI for further investigation; SIP3 by 5/27. 5/31/05 (M Shinn) Notice to Proceed issued to URS for development of source control plan. 8/12/05 (M Shinn) Additional Site Assessment Report #2 submitted. 9/21/05 (M Shinn) RST issues approval of URS source control plan, authorizing submittal to Arkansas Building Authority. 10/14/05 (M Shinn) Request for quarterly monitoring plan to PMI, work plan by 11/4/05. 11/3/05 (M Shinn) Quarterly monitoring plan submitted by PMI. 11/7/05 (M Shinn) Arkansas Building Authority Design Review Section issues approval to bid on URS source control plan. 3/24/06 (M Shinn) Notice to Proceed issued to PMI for quarterly monitoring. First report due on 4/28/06. 4/17/06 (M Shinn) Request for site access for corrective action issued to new owner of Harbor General Store (Mr. Bill Barnes). Access agreement to be returned to RST by 4/28/06. 4/21/06 (M Shinn) Application for Federal Assistance in amount of \$740,189 submitted to US EPA Region 6 by ADEQ, to assist in paying for clean-up and monitoring program. 4/28/06 (M Shinn) Quarterly Groundwater and Soil Vapor Monitoring Report #1 received from PMI. [shinn 3/24/2006 2:23:18 PM]. [shinn 4/17/2006 2:57:09 PM]. [shinn 4/24/2006 11:18:06 AM]. [shinn 5/4/2006 9:12:18 AM].

**- Continued on next page -**

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

LEAKING UNDERGROUND STORAGE TANKS

**SEARCH ID:** 17

**DIST/DIR:** 0.00 --

**MAP ID:** 2

**NAME:** HARBOR GENERAL STORE  
**ADDRESS:** 5402 HIGHWAY 270 E.  
MT. IDA AR 71957

**REV:** 5/15/06  
**ID1:** 49-006  
**ID2:** 49001610

**CONTACT:** WARREN

**STATUS:**  
**PHONE:**

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 1                                  **DIST/DIR:** 0.00 --                                  **MAP ID:** 3

<b>NAME:</b> US ARMY CORP ENG BLAKELY MTN PWR PLANT	<b>REV:</b> 4/16/06
<b>ADDRESS:</b> 1111 BLAKELY DAM RD	<b>ID1:</b> AR9210899861
MOUNTAIN PINE AR 71956	<b>ID2:</b>
GARLAND	<b>STATUS:</b> VGN
<b>CONTACT:</b> WILLIAM HOPKINS	<b>PHONE:</b> 5017672401

**SITE INFORMATION**

**CONTACT INFORMATION:** WILLIAM HOPKINS  
1111 BLAKELY DAM RD 2.1 M W HWY 227  
MOUNTAIN PINE AR 719560004

**PHONE:** 5017672401

**UNIVERSE INFORMATION:**

<b>SNC:</b>	N - NO
<b>BOYSNC:</b>	N - NO
<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POSTCLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA CME:</b>	N - NO
<b>PERM PROG:</b>	----
<b>PREM WRKLD:</b>	----
<b>CLOSURE WRKLD:</b>	----
<b>P C WRKLD:</b>	----
<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>CA WRKLD:</b>	N - NO
<b>GEN STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/bl

The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to Ignitable waste

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b

*Environmental FirstSearch  
Site Detail Report*

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

RCRA GENERATOR SITE

**SEARCH ID:** 2                      **DIST/DIR:** 0.00 --                      **MAP ID:** 4

**NAME:** US ARMY CORPS ENG-LAKE OUACHITA FIELD OF  
**ADDRESS:** BLAKELY DAM SITE 3M W MT PINE  
MOUNTAIN PINE AR 71956  
**CONTACT:** BRENDA MEEKS  
**REV:** 4/16/06  
**ID1:** AR8960009555  
**ID2:**  
**STATUS:** VGN  
**PHONE:** 5017672101

**SITE INFORMATION**

**CONTACT INFORMATION:** BRENDA MEEKS  
1111 BLAKELY DAM RD  
ROYAL AR 719689492

**PHONE:** 5017672101

**UNIVERSE INFORMATION:**

**SNC:** N - NO  
**BOYSNC:** N - NO  
**GPRA PERMIT:** N - NO  
**GPRA POSTCLOSURE:** N - NO  
**GPRA CA:** N - NO  
**GPRA CME:** N - NO  
**PERM PROG:** ----  
**PREM WRKLD:** ----  
**CLOSURE WRKLD:** ----  
**P C WRKLD:** ----  
**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO  
**SUBJCA NON TSD:** N - NO  
**CA WRKLD:** N - NO  
**GEN STATUS:** CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN  
100 KG/MONTH OF HAZARDOUS WASTE

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b  
The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to  
Ignitable waste



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 7                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 5

**NAME:** HWY 27 FISHING VILLAGE  
**ADDRESS:** RE:49001612  
STORY AR 71957

**REV:** 05/15/06  
**ID1:** 48001607  
**ID2:** 005381

**CONTACT:** ANGELO CESCALINE

**STATUS:**  
**PHONE:** 5018672211

**OWNER INFORMATION**

**OWNER ID NUMBER:** 005381  
**OWNER NAME:** CESCALINE, RON  
**OWNER ADDRESS 1:** 214 FISHING VILLAGE RD  
STORY AR 71970-8111  
**OWNER ADDRESS 2:**  
**PHONE:** 5018672211

**UNDERGROUND STORAGE TANK DETAILS**



# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 3    **DIST/DIR:** 0.00 --    **MAP ID:** 6

<b>NAME:</b> BRADY MOUNTAIN RESORT & MARINA <b>ADDRESS:</b> 4120 BRADY MOUNTAIN ROAD ROYAL AR 71968  <b>CONTACT:</b> WAYNE KING	<b>REV:</b> 05/15/06 <b>ID1:</b> 26001739 <b>ID2:</b> 008431 <b>STATUS:</b> <b>PHONE:</b> 5017673422
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**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	No
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	Yes	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCY:	No
PRESSURE:	No	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	Yes
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	No
INTERSTITIAL MONITORING:	No	UNKNOWN:	Yes
OTHER PRD DESCRIPTION:			

**GENERAL TANK INFORMATION**

TANK NUMBER:	2	TANK INSTALLED DATE:	
TANK STATUS:	Permanently Out	STATUS DATE:	9/1/1996
STATUS DETAILS:		TANK COMMENT:	
TANK CAPACITY:	1000 gal.	TANK REPAIR DATE:	
SITE ASSESSMENT DATE:		SITE ASSESSMENT LEAK CHK:	N

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	No	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	Yes
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:		MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:		ASPHALT COATING:	No
DIELECTRIC COATING:	No	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	Yes

*Continued on next page -*

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 3                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 6

**NAME:** BRADY MOUNTAIN RESORT & MARINA                                      **REV:** 05/15/06  
**ADDRESS:** 4120 BRADY MOUNTAIN ROAD                                      **ID1:** 26001739  
ROYAL AR 71968                                      **ID2:** 008431  
**CONTACT:** WAYNE KING                                      **STATUS:**  
**PHONE:** 5017673422

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 4                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 6

<p><b>NAME:</b> BRADY MT. LODGE <b>ADDRESS:</b> 4120 BRADY MOUNTAIN ROAD ROYAL AR 71968</p> <p><b>CONTACT:</b> NED BASS</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 26000094 <b>ID2:</b> 002627 <b>STATUS:</b> <b>PHONE:</b> 5017673422</p>
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**OWNER INFORMATION**

**OWNER ID NUMBER:** 002627  
**OWNER NAME:** BASS, NED  
**OWNER ADDRESS 1:** 4120 BRADY MOUNTAIN ROAD  
ROYAL AR 71968  
**OWNER ADDRESS 2:**  
**PHONE:** 5017673422

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1978	
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 5/1/1996	
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b> 1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	Yes	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	No	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	No	ASPHALT COATING:	Yes
DIELECTRIC COATING:	No	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

SO INSTALLED:	No	SPILL BASIN:	No
AUTO SHUTOFF VALVE:	No	AUTO FLOW RESTRICTOR:	No
AUTO HI LEVEL ALARM:	No	SO UNKNOWN:	Yes
<b>SO DESC:</b>			

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# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 4                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 6

<b>NAME:</b> BRADY MT. LODGE <b>ADDRESS:</b> 4120 BRADY MOUNTAIN ROAD ROYAL AR 71968  <b>CONTACT:</b> NED BASS	<b>REV:</b> 05/15/06 <b>ID1:</b> 26000094 <b>ID2:</b> 002627 <b>STATUS:</b> <b>PHONE:</b> 5017673422
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**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCv:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1978
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/1/1996
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	No	<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	No	<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No

*Continued on next page -*

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b>	4	<b>DIST/DIR:</b>	0.00 --	<b>MAP ID:</b>	6
<b>NAME:</b>	BRADY MT. LODGE	<b>REV:</b>	05/15/06	<b>ID1:</b>	26000094
<b>ADDRESS:</b>	4120 BRADY MOUNTAIN ROAD ROYAL AR 71968	<b>ID2:</b>	002627	<b>STATUS:</b>	
<b>CONTACT:</b>	NED BASS	<b>PHONE:</b>	5017673422		

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1978
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

*- Continued on next page -*

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 4

**DIST/DIR:** 0.00 --

**MAP ID:** 6

**NAME:** BRADY MT. LODGE  
**ADDRESS:** 4120 BRADY MOUNTAIN ROAD  
ROYAL AR 71968

**REV:** 05/15/06  
**ID1:** 26000094  
**ID2:** 002627  
**STATUS:**  
**PHONE:** 5017673422

**CONTACT:** NED BASS

**UNKNOWN:** Yes

**OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	4	<b>TANK INSTALLED DATE:</b>	1/1/1978
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

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<b>SEARCH ID:</b> 4	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 6
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**NAME:** BRADY MT. LODGE  
**ADDRESS:** 4120 BRADY MOUNTAIN ROAD  
ROYAL AR 71968

**REV:** 05/15/06  
**ID1:** 26000094  
**ID2:** 002627  
**STATUS:**  
**PHONE:** 5017673422

**CONTACT:** NED BASS

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 8	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 5
<b>NAME:</b> HWY 27 FISHING VILLAGE <b>ADDRESS:</b> LAKE OUACHITA STORY AR 71970	<b>REV:</b> 05/15/06 <b>ID1:</b> 49000000 <b>ID2:</b> 003200 <b>STATUS:</b> <b>PHONE:</b> 5018672111	
<b>CONTACT:</b> BOB LYBRAND		

**UNKNOWN:** Yes      **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>			
<b>PP DESC:</b>			

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15                                  **DIST/DIR:** 0.00 --                                  **MAP ID:** 7

<b>NAME:</b>	SHANGRI-LA RESORT	<b>REV:</b>	05/15/06
<b>ADDRESS:</b>	1010 SHANGRI-LA DRIVE	<b>ID1:</b>	49000052
	MOUNT IDA AR 71957	<b>ID2:</b>	000678
		<b>STATUS:</b>	
<b>CONTACT:</b>	M. CARR	<b>PHONE:</b>	8708672011

**OWNER INFORMATION**

**OWNER ID NUMBER:** 000678  
**OWNER NAME:** LIGON OIL COMPANY, INC.  
**OWNER ADDRESS 1:** PO BOX 67/ HWY 8 & 27  
 NORMAN AR 71960  
**OWNER ADDRESS 2:**  
**PHONE:** 8703342411

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1969
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	10/5/1990
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>		<i>- Continued on next page -</i>	





**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15                      **DIST/DIR:** 0.00 --                      **MAP ID:** 7

<b>NAME:</b> SHANGRI-LA RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 1010 SHANGRI-LA DRIVE	<b>ID1:</b> 49000052
MOUNT IDA AR 71957	<b>ID2:</b> 000678
<b>CONTACT:</b> M. CARR	<b>STATUS:</b>
	<b>PHONE:</b> 8708672011

**UNKNOWN:** Yes                      **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 4	<b>TANK INSTALLED DATE:</b> 1/1/1979
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 10/5/1999
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 1500 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No

**- Continued on next page -**

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

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**SEARCH ID:** 15                                    **DIST/DIR:** 0.00 --                                    **MAP ID:** 7

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**NAME:** SHANGRI-LA RESORT                                    **REV:** 05/15/06  
**ADDRESS:** 1010 SHANGRI-LA DRIVE                                    **ID1:** 49000052  
MOUNT IDA AR 71957                                    **ID2:** 000678  
**CONTACT:** M. CARR                                    **STATUS:**  
                                    **PHONE:** 8708672011

**OTHER MAT:**

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCv:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	5	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	Number Changed 05/15/2005. Old tank number was A
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15    **DIST/DIR:** 0.00 --    **MAP ID:** 7

**NAME:** SHANGRI-LA RESORT    **REV:** 05/15/06  
**ADDRESS:** 1010 SHANGRI-LA DRIVE    **ID1:** 49000052  
MOUNT IDA AR 71957    **ID2:** 000678  
**CONTACT:** M. CARR    **STATUS:**  
**PHONE:** 8708672011

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	6	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	Number Changed 05/15/2005. Old tank number was B
<b>TANK CAPACITY:</b>	3000 gal.	<b>TANK REPAIR DATE:</b>	- <i>Continued on next page</i> -
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 7

<p><b>NAME:</b> SHANGRI-LA RESORT <b>ADDRESS:</b> 1010 SHANGRI-LA DRIVE MOUNT IDA AR 71957</p> <p><b>CONTACT:</b> M. CARR</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 49000052 <b>ID2:</b> 000678 <b>STATUS:</b> <b>PHONE:</b> 8708672011</p>
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**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	No	EPOXY:	Yes
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	No
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	No	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	Yes
AUTO TK GAUGE:	No	VAPOR MONITOR:	Yes
GROUNDWATER MONITORING:	Yes	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	No	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	No	ASPHALT COATING:	No
DIELECTRIC COATING:	Yes	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	Yes
ELECTRICAL ISOLATION:	Yes	CP UNKNOWN:	No
OTHER CP DESC:			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

SO INSTALLED:	No	SPILL BASIN:	Yes
AUTO SHUTOFF VALVE:	No	AUTO FLOW RESTRICTOR:	Yes
AUTO HI LEVEL ALARM:	No	SO UNKNOWN:	No
SO DESC:			

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	Yes
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	No	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	Yes	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	No
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	Yes	AUTO LEAK DETECTOR:	Yes
INTERSTITIAL MONITORING:	No	UNKNOWN:	No
OTHER PRD DESCRIPTION:			

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

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<b>SEARCH ID:</b> 15	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 7
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<b>NAME:</b> SHANGRI-LA RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 1010 SHANGRI-LA DRIVE	<b>ID1:</b> 49000052
MOUNT IDA AR 71957	<b>ID2:</b> 000678
<b>CONTACT:</b> M. CARR	<b>STATUS:</b>
	<b>PHONE:</b> 8708672011

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**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 10                      **DIST/DIR:** 0.00 --                      **MAP ID:** 1

**NAME:** LAKE QUACHIA STATE PARKR                      **REV:** 05/15/06  
**ADDRESS:** STAR ROUTE #1 BOX 1160                      **ID1:** 60001618  
MOUNTAI PINE AR 71956                      **ID2:** 002227  
**CONTACT:** GREG BUTTS                      **STATUS:**  
**PHONE:** 5017679366                      **PHONE:** 5017679366

**OWNER INFORMATION**

**OWNER ID NUMBER:** 002227  
**OWNER NAME:** ARKANSAS DPT OF PARKS & TOURISM  
**OWNER ADDRESS 1:** ONE CAPITOL MALL  
LITTLE ROCK AR 72201  
**OWNER ADDRESS 2:**  
**PHONE:** 5016827639

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	3/1/1992
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	99 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	WATER

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 10                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 1

<b>NAME:</b> LAKE QUACHIA STATE PARKR <b>ADDRESS:</b> STAR ROUTE #1 BOX 1160 MOUNTAI PINE AR 71956  <b>CONTACT:</b> GREG BUTTS	<b>REV:</b> 05/15/06 <b>ID1:</b> 60001618 <b>ID2:</b> 002227 <b>STATUS:</b> <b>PHONE:</b> 5017679366
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**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	No
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	Yes	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	No	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	Yes
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	No
INTERSTITIAL MONITORING:	No	UNKNOWN:	Yes
OTHER PRD DESCRIPTION:			

**GENERAL TANK INFORMATION**

TANK NUMBER:	2	TANK INSTALLED DATE:	3/1/1992
TANK STATUS:	Permanently Out	STATUS DATE:	
STATUS DETAILS:		TANK COMMENT:	
TANK CAPACITY:	99 gal.	TANK REPAIR DATE:	
SITE ASSESSMENT DATE:		SITE ASSESSMENT LEAK CHK:	N

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	No
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	WATER

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	No	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	Yes
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	No	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	No	ASPHALT COATING:	No
DIELECTRIC COATING:	No	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	Yes

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# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 10    **DIST/DIR:** 0.00 --    **MAP ID:** 1

<b>NAME:</b> LAKE QUACHIA STATE PARKR <b>ADDRESS:</b> STAR ROUTE #1 BOX 1160 MOUNTAIN PINE AR 71956	<b>REV:</b> 05/15/06 <b>ID1:</b> 60001618 <b>ID2:</b> 002227 <b>STATUS:</b> <b>PHONE:</b> 5017679366
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**CONTACT:** GREG BUTTS

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	Yes	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			





## ***Environmental FirstSearch Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 11                      **DIST/DIR:** 0.00 --                      **MAP ID:** 8

<p><b>NAME:</b> LAKE QUACHITA FIELD OFFICE <b>ADDRESS:</b> 1201 BLAKELY DAM ROAD ROYAL AR 71968</p> <p><b>CONTACT:</b> BRENDA M. MEEKS</p>	<p><b>REV:</b> 05/15/06 <b>ID1:</b> 26000096 <b>ID2:</b> 002622 <b>STATUS:</b> <b>PHONE:</b> 5017672101</p>
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**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1982
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/13/1991
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>		
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>		

**TANK CONTENTS**

<b>EMPTY:</b>	Yes	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 11                      **DIST/DIR:** 0.00 --                      **MAP ID:** 8

<b>NAME:</b> LAKE QUACHITA FIELD OFFICE	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 1201 BLAKELY DAM ROAD	<b>ID1:</b> 26000096
ROYAL AR 71968	<b>ID2:</b> 002622
<b>CONTACT:</b> BRENDA M. MEEKS	<b>STATUS:</b>
	<b>PHONE:</b> 5017672101

**UNKNOWN:** Yes                      **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12    **DIST/DIR:** 0.00 --    **MAP ID:** 9

**NAME:** MOUNTAIN HARBOR RESORT    **REV:** 05/15/06  
**ADDRESS:** 994 MOUNT HARBOR ROAD    **ID1:** 49000057  
MOUNT IDA AR 71957    **ID2:** 003202  
**CONTACT:** BILL BARNES    **STATUS:**  
**PHONE:** 8708672191    **PHONE:** 8708672191

**OWNER INFORMATION**

**OWNER ID NUMBER:** 003202  
**OWNER NAME:** MOUNTAIN HARBOR RESORT  
**OWNER ADDRESS 1:** P.O. BOX 1268  
MOUNT IDA AR 71957  
**OWNER ADDRESS 2:**  
**PHONE:** 8708672191

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

**TANK NUMBER:** 1    **TANK INSTALLED DATE:** 1/1/1984  
**TANK STATUS:** Permanently Out    **STATUS DATE:** 2/20/1996  
**STATUS DETAILS:**  
**TANK CAPACITY:** 4000 gal.    **TANK COMMENT:**  
**SITE ASSESSMENT DATE:**    **TANK REPAIR DATE:**  
**SITE ASSESSMENT LEAK CHK:**

**TANK CONTENTS**

**EMPTY:** No    **DIESEL:** No  
**KEROSENE:** No    **GAS:** Yes  
**USED OIL:** No    **NEW OIL:** No  
**UNKNOWN:** No    **HAZARDOUS:**  
**MIXTURE DESCRIPTION:**    **OTHER CONTENTS DESC:**

**MATERIAL(S) OF CONSTRUCTION**

**STEEL:** Yes    **EPOXY:** No  
**COMPOSITE:** No    **FBR GLASS REINFORCED PLASTIC:** No  
**CONCRETE:** No    **INTERNAL LINER:** No  
**EXTERNAL LINER:** No    **DOUBLE WALLED:** No  
**JACKET:** No    **UNKNOWN:** No  
**OTHER MAT:**

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:**    **MANUAL GAUGE:** No  
**TIGHTNESS TEST:** No    **INVENTORY CONTROLS:** No  
**AUTO TK GAUGE:** No    **VAPOR MONITOR:** No  
**GROUNDWATER MONITORING:** No    **INTERSTITIAL-DBL WALL:** No  
**UNKNOWN:** Yes    **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

**CP INSTALLED:**    **ASPHALT COATING:** Yes  
**DIELECTRIC COATING:** No    **EXTERNAL FRP:** No  
**INTERNAL LINING:** No    **CATHODIC PROT SYSTEM:** No  
**ELECTRICAL ISOLATION:** No    **CP UNKNOWN:** No  
**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

**SO INSTALLED:**    **SPILL BASIN:** No  
**AUTO SHUTOFF VALVE:** No    **AUTO FLOW RESTRICTOR:** No  
**AUTO HI LEVEL ALARM:** No    **SO UNKNOWN:** Yes  
**SO DESC:**    - Continued on next page -

## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12                                    **DIST/DIR:** 0.00 --                                    **MAP ID:** 9

<b>NAME:</b> MOUNTAIN HARBOR RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 994 MOUNT HARBOR ROAD MOUNT IDA AR 71957	<b>ID1:</b> 49000057
	<b>ID2:</b> 003202
<b>CONTACT:</b> BILL BARNES	<b>STATUS:</b>
	<b>PHONE:</b> 8708672191

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	Yes
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	No	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	No	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	Yes
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	No
INTERSTITIAL MONITORING:	No	UNKNOWN:	Yes
OTHER PRD DESCRIPTION:			

**GENERAL TANK INFORMATION**

TANK NUMBER:	2	TANK INSTALLED DATE:	1/1/1984
TANK STATUS:	Permanently Out	STATUS DATE:	2/19/1996
STATUS DETAILS:		TANK COMMENT:	
TANK CAPACITY:	3000 gal.	TANK REPAIR DATE:	
SITE ASSESSMENT DATE:		SITE ASSESSMENT LEAK CHK:	

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	Yes	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	No
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:		MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:		ASPHALT COATING:	Yes
DIELECTRIC COATING:	No	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	No

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 9

<b>NAME:</b> MOUNTAIN HARBOR RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 994 MOUNT HARBOR ROAD MOUNT IDA AR 71957	<b>ID1:</b> 49000057
	<b>ID2:</b> 003202
<b>CONTACT:</b> BILL BARNES	<b>STATUS:</b>
	<b>PHONE:</b> 8708672191

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1984
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	2/19/1996
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	2000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

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# *Environmental FirstSearch*

## *Site Detail Report*

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 12    **DIST/DIR:** 0.00 --    **MAP ID:** 9

**NAME:** MOUNTAIN HARBOR RESORT  
**ADDRESS:** 994 MOUNT HARBOR ROAD  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000057  
**ID2:** 003202  
**STATUS:**  
**PHONE:** 8708672191

**CONTACT:** BILL BARNES

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	Yes
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>	NONE		

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	Yes
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>	NONE		

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	6	<b>TANK INSTALLED DATE:</b>	2/23/1996
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	10000 gal.	<b>TANK REPAIR DATE:</b>	- Continued on next page -
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 12                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 9

<b>NAME:</b> MOUNTAIN HARBOR RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 994 MOUNT HARBOR ROAD	<b>ID1:</b> 49000057
MOUNT IDA AR 71957	<b>ID2:</b> 003202
<b>CONTACT:</b> BILL BARNES	<b>STATUS:</b>
	<b>PHONE:</b> 8708672191

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	No	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	Yes
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	No
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	2/23/1996	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	Yes
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	No	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:		ASPHALT COATING:	No
DIELECTRIC COATING:	No	EXTERNAL FRP:	Yes
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	No
OTHER CP DESC:			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

SO INSTALLED:		SPILL BASIN:	Yes
AUTO SHUTOFF VALVE:	Yes	AUTO FLOW RESTRICTOR:	No
AUTO HI LEVEL ALARM:	No	SO UNKNOWN:	No
SO DESC:			

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	No
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	Yes
PP UNKNOWN:	No	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	Yes	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	No
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	Yes
INTERSTITIAL MONITORING:	No	UNKNOWN:	No
OTHER PRD DESCRIPTION:			

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
 ROYAL AR 71968

**JOB:** 0620-01  
 LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 12	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 9
<b>NAME:</b> MOUNTAIN HARBOR RESORT <b>ADDRESS:</b> 994 MOUNT HARBOR ROAD MOUNT IDA AR 71957	<b>REV:</b> 05/15/06 <b>ID1:</b> 49000057 <b>ID2:</b> 003202 <b>STATUS:</b> <b>PHONE:</b> 8708672191	
<b>CONTACT:</b> BILL BARNES		

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	7	<b>TANK INSTALLED DATE:</b>	2/23/1996
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	8000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	N

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	Yes
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	Yes
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	Yes	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	No
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	Yes
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**- Continued on next page -**



# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 12    **DIST/DIR:** 0.00 --    **MAP ID:** 9

**NAME:** MOUNTAIN HARBOR RESORT  
**ADDRESS:** 994 MOUNT HARBOR ROAD  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000057  
**ID2:** 003202  
**STATUS:**  
**PHONE:** 8708672191

**CONTACT:** BILL BARNES

### PIPE RELEASE DETECTION (PRD) INFORMATION

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 5                                    **DIST/DIR:** 0.00 --                                    **MAP ID:** 2

<b>NAME:</b> HARBOR GENERAL STORE	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 5402 HIGHWAY 270 EAST MT. IDA AR 71957	<b>ID1:</b> 49001610
	<b>ID2:</b> 008552
	<b>STATUS:</b>
<b>CONTACT:</b> GLENDA O REGAN	<b>PHONE:</b> 8708672340

**OWNER INFORMATION**

**OWNER ID NUMBER:** 008552  
**OWNER NAME:** O REGAN, GLENDA  
**OWNER ADDRESS 1:** 5402 HWY 270 EAST  
MT. IDA AR 71957  
**OWNER ADDRESS 2:**  
**PHONE:** 8708672340

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 6/10/1999
<b>TANK STATUS:</b> In Use	<b>STATUS DATE:</b>
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 10000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b> N

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> No
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> Yes	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> No	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> Yes
<b>OTHER MAT:</b>	

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b> 6/15/1999	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No
<b>AUTO TK GAUGE:</b> Yes	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> No	<b>OTHER RD DESC:</b>

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b> 6/10/1999	<b>ASPHALT COATING:</b> No
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> Yes
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> No
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b> 6/10/1999	<b>SPILL BASIN:</b> Yes
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> Yes
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> No

- Continued on next page -







# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 13 **DIST/DIR:** 0.00 -- **MAP ID:** 10

<b>NAME:</b> OUACHITA SHORES RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 334 OUACHITA SHORES PKWY	<b>ID1:</b> 49000051
MOUNT IDA AR 71957	<b>ID2:</b> 000678
<b>CONTACT:</b> CURT WARMAN	<b>STATUS:</b>
	<b>PHONE:</b> 8708673651

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	Yes
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	No	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	No	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	No	GRAVITY:	No
REPAIR DATE:		UNKNOWN:	Yes
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	No
INTERSTITIAL MONITORING:	No	UNKNOWN:	Yes
OTHER PRD DESCRIPTION:			

**GENERAL TANK INFORMATION**

TANK NUMBER:	2	TANK INSTALLED DATE:	1/1/1969
TANK STATUS:	Permanently Out	STATUS DATE:	3/1/1990
STATUS DETAILS:		TANK COMMENT:	
TANK CAPACITY:	1000 gal.	TANK REPAIR DATE:	
SITE ASSESSMENT DATE:		SITE ASSESSMENT LEAK CHK:	

**TANK CONTENTS**

EMPTY:	No	DIESEL:	No
KEROSENE:	No	GAS:	Yes
USED OIL:	No	NEW OIL:	No
UNKNOWN:	No	HAZARDOUS:	
MIXTURE DESCRIPTION:		OTHER CONTENTS DESC:	

**MATERIAL(S) OF CONSTRUCTION**

STEEL:	Yes	EPOXY:	No
COMPOSITE:	No	FBR GLASS REINFORCED PLASTIC:	No
CONCRETE:	No	INTERNAL LINER:	No
EXTERNAL LINER:	No	DOUBLE WALLED:	No
JACKET:	No	UNKNOWN:	No
OTHER MAT:			

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	No	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	No	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	Yes	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	No	ASPHALT COATING:	Yes
DIELECTRIC COATING:	No	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	No
ELECTRICAL ISOLATION:	No	CP UNKNOWN:	No

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 13

**DIST/DIR:** 0.00 --

**MAP ID:** 10

**NAME:** OUACHITA SHORES RESORT  
**ADDRESS:** 334 OUACHITA SHORES PKWY  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000051  
**ID2:** 000678  
**STATUS:**  
**PHONE:** 8708673651

**CONTACT:** CURT WARMAN

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCY:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	3/1/1990
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	550 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 13                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 10

<b>NAME:</b> OUACHITA SHORES RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 334 OUACHITA SHORES PKWY MOUNT IDA AR 71957	<b>ID1:</b> 49000051
	<b>ID2:</b> 000678
	<b>STATUS:</b>
<b>CONTACT:</b> CURT WARMAN	<b>PHONE:</b> 8708673651

**UNKNOWN:** Yes                                      **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b> Yes
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> No
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> Yes
<b>SO DESC:</b>	

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b> No	<b>GALVANIZED STEEL:</b> Yes
<b>FBR GLASS REINFORCED PLASTIC:</b> No	<b>COPPER:</b> No
<b>DOUBLE WALLED:</b> No	<b>SECONDARY CONTAINMENT:</b> No
<b>PP UNKNOWN:</b> No	<b>PP DESC:</b>

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b> No	<b>SUCTION; TCV:</b> No
<b>PRESSURE:</b> No	<b>GRAVITY:</b> No
<b>REPAIR DATE:</b>	<b>UNKNOWN:</b> Yes
<b>OTHER PP TYPE DESC:</b>	

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b> No	<b>GROUNDWATER MONITORING:</b> No
<b>LINE TIGHTNESS TEST:</b> No	<b>AUTO LEAK DETECTOR:</b> No
<b>INTERSTITIAL MONITORING:</b> No	<b>UNKNOWN:</b> Yes
<b>OTHER PRD DESCRIPTION:</b>	

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 4	<b>TANK INSTALLED DATE:</b> 1/1/1990
<b>TANK STATUS:</b> In Use	<b>STATUS DATE:</b>
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 1000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

**TANK CONTENTS**

<b>EMPTY:</b> No	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> No	<b>EPOXY:</b> Yes
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No

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*Environmental FirstSearch  
Site Detail Report*

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 13                      **DIST/DIR:** 0.00 --                      **MAP ID:** 10

**NAME:** OUACHITA SHORES RESORT                      **REV:** 05/15/06  
**ADDRESS:** 334 OUACHITA SHORES PKWY              **ID1:** 49000051  
MOUNT IDA AR 71957                                      **ID2:** 000678  
**CONTACT:** CURT WARMAN                                **STATUS:**  
**PHONE:** 8708673651

**OTHER MAT:** STI-P3

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	5	<b>TANK INSTALLED DATE:</b>	1/1/1990
<b>TANK STATUS:</b>	In Use	<b>STATUS DATE:</b>	
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	3000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

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**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 13                                    **DIST/DIR:** 0.00 --                                    **MAP ID:** 10

<b>NAME:</b> OUACHITA SHORES RESORT	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 334 OUACHITA SHORES PKWY MOUNT IDA AR 71957	<b>ID1:</b> 49000051
	<b>ID2:</b> 000678
	<b>STATUS:</b>
<b>CONTACT:</b> CURT WARMAN	<b>PHONE:</b> 8708673651

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	No	<b>EPOXY:</b>	Yes
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>	STI-P3		

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	Yes
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	Yes
<b>GROUNDWATER MONITORING:</b>	Yes	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	No	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	Yes	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	Yes
<b>ELECTRICAL ISOLATION:</b>	Yes	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	Yes
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	Yes
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	No
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	Yes	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	No
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	Yes	<b>AUTO LEAK DETECTOR:</b>	Yes
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER PRD DESCRIPTION:</b>			







## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 9

**DIST/DIR:** 0.07 SE

**MAP ID:** 13

**NAME:** LAKE OUACHITA STATE PARK  
**ADDRESS:** 5451 MOUNTAIN PINE ROAD  
MOUNTAIN PINE AR 71956

**REV:** 05/15/06  
**ID1:** 26000020  
**ID2:** 002227  
**STATUS:**  
**PHONE:** 5016827639

**CONTACT:** WARREN STOBAUGH

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/13/1992
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

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**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
 ROYAL AR 71968

**JOB:** 0620-01  
 LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

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**SEARCH ID:** 9 **DIST/DIR:** 0.07 SE **MAP ID:** 13

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<b>NAME:</b> LAKE OUACHITA STATE PARK <b>ADDRESS:</b> 5451 MOUNTAIN PINE ROAD MOUNTAIN PINE AR 71956  <b>CONTACT:</b> WARREN STOBAUGH	<b>REV:</b> 05/15/06 <b>ID1:</b> 26000020 <b>ID2:</b> 002227 <b>STATUS:</b> <b>PHONE:</b> 5016827639
---	--

**OTHER MAT:** STIP-3

**TANK RELEASE DETECTION (RD) INFORMATION**

RD INSTALLED:	1/25/2000	MANUAL GAUGE:	No
TIGHTNESS TEST:	No	INVENTORY CONTROLS:	No
AUTO TK GAUGE:	Yes	VAPOR MONITOR:	No
GROUNDWATER MONITORING:	No	INTERSTITIAL-DBL WALL:	No
UNKNOWN:	No	OTHER RD DESC:	

**TANK CORROSION PROTECTION (CP) INFORMATION**

CP INSTALLED:	1/25/2000	ASPHALT COATING:	No
DIELECTRIC COATING:	Yes	EXTERNAL FRP:	No
INTERNAL LINING:	No	CATHODIC PROT SYSTEM:	Yes
ELECTRICAL ISOLATION:	Yes	CP UNKNOWN:	No
OTHER CP DESC:			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

SO INSTALLED:	1/15/2000	SPILL BASIN:	No
AUTO SHUTOFF VALVE:	No	AUTO FLOW RESTRICTOR:	Yes
AUTO HI LEVEL ALARM:	No	SO UNKNOWN:	No
SO DESC:			

**PIPING (PP) MATERIAL INFORMATION:**

BARE STEEL:	No	GALVANIZED STEEL:	No
FBR GLASS REINFORCED PLASTIC:	No	COPPER:	No
DOUBLE WALLED:	Yes	SECONDARY CONTAINMENT:	No
PP UNKNOWN:	No	PP DESC:	

**PIPING (PP) TYPE:**

SUCTION; PVC:	No	SUCTION; TCV:	No
PRESSURE:	Yes	GRAVITY:	Yes
REPAIR DATE:		UNKNOWN:	No
OTHER PP TYPE DESC:			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

VAPOR MONITORING:	No	GROUNDWATER MONITORING:	No
LINE TIGHTNESS TEST:	No	AUTO LEAK DETECTOR:	Yes
INTERSTITIAL MONITORING:	Yes	UNKNOWN:	No
OTHER PRD DESCRIPTION:			



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**SOLID WASTE LANDFILL SITE**

**SEARCH ID:** 19

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** US COE LAKE OUACHITA WASTE TS  
**ADDRESS:** 1201 BLAKELY DAM ROAD  
ROYAL AR 71968  
GARLAND

**REV:** 12/01/04  
**ID1:** 0040-SG-TSW  
**ID2:** 26-00288  
**STATUS:** OPEN  
**PHONE:** (501) 767-2101

**CONTACT:**

**SITE DETAILS**

**PERMIT NUMBER:** 0040-SG-TSW  
**FACILITY NUMBER:** 26-00288  
**PERMIT CLASS:** Solid Waste Transfer Station  
**PERMIT STATUS:** Active Permit  
**FACILITY STATUS:** Open  
**SITE PHONE:** (501) 767-2101  
**OWNER NAME:** US COE Lake Ouachita Waste  
**OWNER PHONE:** (501) 767-4844  
**OWNER ADDRESS:** 1201 Blakely Dam Road  
**RSWMD:** 13  
**LATITUDE:** 34335730086  
**LONGITUDE:** 93113594881  
**NOTE:** Lat/Longi given by ADEQ in Deg.(1st 2 digits), Min.(3rd + 4th digits), Sec.(5th + 6th digits) ie 12 34 56.12345

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 20

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** R & W INC  
**ADDRESS:** 333 HARPER GROCERY ROAD  
JESSIEVILLE AR 71949

**REV:** 05/15/06  
**ID1:** 26001710  
**ID2:** 007276  
**STATUS:**  
**PHONE:** 5016234106

**CONTACT:** ROLAND BATES

**OWNER INFORMATION**

**OWNER ID NUMBER:** 007276  
**OWNER NAME:** R & W BATES INC.  
**OWNER ADDRESS 1:** 112 AUSTIN LANE  
JESSIEVILLE AR 71949  
**OWNER ADDRESS 2:**  
**PHONE:** 5016234106

**UNDERGROUND STORAGE TANK DETAILS**















# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 25 **DIST/DIR:** NON GC **MAP ID:**

<b>NAME:</b> WACO ONE	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> HIGHWAY 27 AND 270 MOUNT IDA AR 71957	<b>ID1:</b> 49000071
	<b>ID2:</b> 001854
	<b>STATUS:</b>
<b>CONTACT:</b> BILLY WACASTER	<b>PHONE:</b> 5016232555

### OWNER INFORMATION

**OWNER ID NUMBER:** 001854  
**OWNER NAME:** WACASTER OIL CO INC  
**OWNER ADDRESS 1:** 134 GREENWOOD ST, PO BOX 20859  
HOT SPRINGS AR 71903  
**OWNER ADDRESS 2:**  
**PHONE:** 5016232555

### UNDERGROUND STORAGE TANK DETAILS

#### GENERAL TANK INFORMATION

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1976
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 5/1/1990
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 1010 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

#### TANK CONTENTS

<b>EMPTY:</b> Yes	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

#### MATERIAL(S) OF CONSTRUCTION

<b>STEEL:</b> Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No
<b>OTHER MAT:</b>	

#### TANK RELEASE DETECTION (RD) INFORMATION

<b>RD INSTALLED:</b>	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> Yes	<b>OTHER RD DESC:</b>

#### TANK CORROSION PROTECTION (CP) INFORMATION

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b> No
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> Yes
<b>OTHER CP DESC:</b>	

#### SPILL & OVERFLOW PROTECTION (SO) INFORMATION

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> Yes
<b>SO DESC:</b>	

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 25

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WACO ONE  
**ADDRESS:** HIGHWAY 27 AND 270  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000071  
**ID2:** 001854  
**STATUS:**  
**PHONE:** 5016232555

**CONTACT:** BILLY WACASTER

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/1/1991
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1010 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 25

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WACO ONE  
**ADDRESS:** HIGHWAY 27 AND 270  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000071  
**ID2:** 001854  
**STATUS:**  
**PHONE:** 5016232555

**CONTACT:** BILLY WACASTER

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	3	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	5/1/1990
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	560 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	Yes
<b>KEROSENE:</b>	No	<b>GAS:</b>	No
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No

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## Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 25

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WACO ONE  
**ADDRESS:** HIGHWAY 27 AND 270  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000071  
**ID2:** 001854  
**STATUS:**  
**PHONE:** 5016232555

**CONTACT:** BILLY WACASTER

**UNKNOWN:** Yes

**OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	No
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	Yes
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

### REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 24	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> THRIFTY MART	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> HIGHWAY 27	<b>ID1:</b> 49000082
MOUNT IDA AR 71957	<b>ID2:</b> 002207
	<b>STATUS:</b>
<b>CONTACT:</b> A. B. LITTLEFIELD	<b>PHONE:</b> 5016752501

**OWNER INFORMATION**

**OWNER ID NUMBER:** 002207  
**OWNER NAME:** LITTLEFIELD OIL COMPANY  
**OWNER ADDRESS 1:** 627 W. MAIN, P. O. BOX 20  
 BOONEVILLE AR 72927  
**OWNER ADDRESS 2:**  
**PHONE:** 4796752501

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b> 1	<b>TANK INSTALLED DATE:</b> 1/1/1989
<b>TANK STATUS:</b> Permanently Out	<b>STATUS DATE:</b> 9/30/1999
<b>STATUS DETAILS:</b>	<b>TANK COMMENT:</b>
<b>TANK CAPACITY:</b> 8000 gal.	<b>TANK REPAIR DATE:</b>
<b>SITE ASSESSMENT DATE:</b>	<b>SITE ASSESSMENT LEAK CHK:</b>

**TANK CONTENTS**

<b>EMPTY:</b> Yes	<b>DIESEL:</b> No
<b>KEROSENE:</b> No	<b>GAS:</b> Yes
<b>USED OIL:</b> No	<b>NEW OIL:</b> No
<b>UNKNOWN:</b> No	<b>HAZARDOUS:</b>
<b>MIXTURE DESCRIPTION:</b>	<b>OTHER CONTENTS DESC:</b>

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b> Yes	<b>EPOXY:</b> No
<b>COMPOSITE:</b> No	<b>FBR GLASS REINFORCED PLASTIC:</b> No
<b>CONCRETE:</b> No	<b>INTERNAL LINER:</b> No
<b>EXTERNAL LINER:</b> No	<b>DOUBLE WALLED:</b> No
<b>JACKET:</b> No	<b>UNKNOWN:</b> No
<b>OTHER MAT:</b>	

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>	<b>MANUAL GAUGE:</b> No
<b>TIGHTNESS TEST:</b> No	<b>INVENTORY CONTROLS:</b> No
<b>AUTO TK GAUGE:</b> No	<b>VAPOR MONITOR:</b> No
<b>GROUNDWATER MONITORING:</b> No	<b>INTERSTITIAL-DBL WALL:</b> No
<b>UNKNOWN:</b> Yes	<b>OTHER RD DESC:</b>

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>	<b>ASPHALT COATING:</b> Yes
<b>DIELECTRIC COATING:</b> No	<b>EXTERNAL FRP:</b> No
<b>INTERNAL LINING:</b> No	<b>CATHODIC PROT SYSTEM:</b> No
<b>ELECTRICAL ISOLATION:</b> No	<b>CP UNKNOWN:</b> No
<b>OTHER CP DESC:</b>	

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>	<b>SPILL BASIN:</b> No
<b>AUTO SHUTOFF VALVE:</b> No	<b>AUTO FLOW RESTRICTOR:</b> No
<b>AUTO HI LEVEL ALARM:</b> No	<b>SO UNKNOWN:</b> Yes
<b>SO DESC:</b>	<b>- Continued on next page -</b>



**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 24

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** THRIFTY MART  
**ADDRESS:** HIGHWAY 27  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000082  
**ID2:** 002207  
**STATUS:**  
**PHONE:** 5016752501

**CONTACT:** A. B. LITTLEFIELD

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 23

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** LIGON OIL COMPANY  
**ADDRESS:** JCT. HIGHWAY 270 WEST & 27 NOR  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49001502  
**ID2:** 000678  
**STATUS:**  
**PHONE:** 5013342411

**CONTACT:** RONNIE G. WAGGONER

**OWNER INFORMATION**

**OWNER ID NUMBER:** 000678  
**OWNER NAME:** LIGON OIL COMPANY, INC.  
**OWNER ADDRESS 1:** PO BOX 67/ HWY 8 & 27  
NORMAN AR 71960  
**OWNER ADDRESS 2:**  
**PHONE:** 8703342411

**UNDERGROUND STORAGE TANK DETAILS**



***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 22    **DIST/DIR:** NON GC    **MAP ID:**

**NAME:** JONES-AVRA READY MIX    **REV:** 05/15/06  
**ADDRESS:** 2 MILES SOUTH HWY 27    **ID1:** 49000049  
MOUNT IDA AR 71957    **ID2:** 003200  
**CONTACT:** BOB LYBRAND    **STATUS:**  
**PHONE:** 5018672111    **PHONE:** 5018672111

**OWNER INFORMATION**

**OWNER ID NUMBER:** 003200  
**OWNER NAME:** HPL OIL CO    \*INA\*  
**OWNER ADDRESS 1:** POST OFFICE BOX 86  
MT IDA AR 71957  
**OWNER ADDRESS 2:**  
**PHONE:** 5018672111

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

**TANK NUMBER:** 1    **TANK INSTALLED DATE:** 1/1/1985  
**TANK STATUS:** Permanently Out    **STATUS DATE:** 11/30/1990  
**STATUS DETAILS:**    **TANK COMMENT:**  
**TANK CAPACITY:** 1000 gal.    **TANK REPAIR DATE:**  
**SITE ASSESSMENT DATE:**    **SITE ASSESSMENT LEAK CHK:**

**TANK CONTENTS**

**EMPTY:** No    **DIESEL:** No  
**KEROSENE:** No    **GAS:** Yes  
**USED OIL:** No    **NEW OIL:** No  
**UNKNOWN:** No    **HAZARDOUS:**  
**MIXTURE DESCRIPTION:**    **OTHER CONTENTS DESC:**

**MATERIAL(S) OF CONSTRUCTION**

**STEEL:** Yes    **EPOXY:** No  
**COMPOSITE:** No    **FBR GLASS REINFORCED PLASTIC:** No  
**CONCRETE:** No    **INTERNAL LINER:** No  
**EXTERNAL LINER:** No    **DOUBLE WALLED:** No  
**JACKET:** No    **UNKNOWN:** No  
**OTHER MAT:**

**TANK RELEASE DETECTION (RD) INFORMATION**

**RD INSTALLED:**    **MANUAL GAUGE:** No  
**TIGHTNESS TEST:** No    **INVENTORY CONTROLS:** No  
**AUTO TK GAUGE:** No    **VAPOR MONITOR:** No  
**GROUNDWATER MONITORING:** No    **INTERSTITIAL-DBL WALL:** No  
**UNKNOWN:** Yes    **OTHER RD DESC:**

**TANK CORROSION PROTECTION (CP) INFORMATION**

**CP INSTALLED:**    **ASPHALT COATING:** Yes  
**DIELECTRIC COATING:** No    **EXTERNAL FRP:** No  
**INTERNAL LINING:** No    **CATHODIC PROT SYSTEM:** No  
**ELECTRICAL ISOLATION:** No    **CP UNKNOWN:** No  
**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

**SO INSTALLED:**    **SPILL BASIN:** No  
**AUTO SHUTOFF VALVE:** No    **AUTO FLOW RESTRICTOR:** No  
**AUTO HI LEVEL ALARM:** No    **SO UNKNOWN:** Yes  
**SO DESC:**    **- Continued on next page -**

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 22

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** JONES-AVRA READY MIX  
**ADDRESS:** 2 MILES SOUTH HWY 27  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000049  
**ID2:** 003200  
**STATUS:**  
**PHONE:** 5018672111

**CONTACT:** BOB LYBRAND

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 21	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> BLUE BELL GROCERY & STATION	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> 6 MILES NORTH HWY 27 MOUNT IDA AR 71957	<b>ID1:</b> 49000050	
	<b>ID2:</b> 003200	
	<b>STATUS:</b>	
<b>CONTACT:</b> BOB LYBRAND	<b>PHONE:</b> 5018672111	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 003200  
**OWNER NAME:** HPL OIL CO \*INA\*  
**OWNER ADDRESS 1:** POST OFFICE BOX 86  
MT IDA AR 71957  
**OWNER ADDRESS 2:**  
**PHONE:** 5018672111

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1968
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	1/3/1980
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	550 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>		<b>- Continued on next page -</b>	

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 21	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> BLUE BELL GROCERY & STATION	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> 6 MILES NORTH HWY 27	<b>ID1:</b> 49000050
MOUNT IDA AR 71957	<b>ID2:</b> 003200
<b>CONTACT:</b> BOB LYBRAND	<b>STATUS:</b>
	<b>PHONE:</b> 5018672111

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCv:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1976
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	11/16/1990
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	1000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No

*Continued on next page -*

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 21

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BLUE BELL GROCERY & STATION  
**ADDRESS:** 6 MILES NORTH HWY 27  
MOUNT IDA AR 71957

**REV:** 05/15/06  
**ID1:** 49000050  
**ID2:** 003200  
**STATUS:**  
**PHONE:** 5018672111

**CONTACT:** BOB LYBRAND

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 27                                      **DIST/DIR:** NON GC                                      **MAP ID:**

<b>NAME:</b> PITTMAN GROCERY	<b>REV:</b> 05/15/06
<b>ADDRESS:</b> HIGHWAY 27	<b>ID1:</b> 49000080
STORY AR 71970	<b>ID2:</b> 002207
	<b>STATUS:</b>
<b>CONTACT:</b> A. B. LITTLEFIELD	<b>PHONE:</b> 5016752501

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	002207
<b>OWNER NAME:</b>	LITTLEFIELD OIL COMPANY
<b>OWNER ADDRESS 1:</b>	627 W. MAIN, P. O. BOX 20
	BOONEVILLE AR 72927
<b>OWNER ADDRESS 2:</b>	
<b>PHONE:</b>	4796752501

**UNDERGROUND STORAGE TANK DETAILS**

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	1	<b>TANK INSTALLED DATE:</b>	1/1/1984
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	7/20/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	6000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No
<b>OTHER CP DESC:</b>			

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

- Continued on next page -

# Environmental FirstSearch Site Detail Report

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

## REGISTERED UNDERGROUND STORAGE TANKS

<b>SEARCH ID:</b> 27	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> PITTMAN GROCERY	<b>REV:</b> 05/15/06	
<b>ADDRESS:</b> HIGHWAY 27	<b>ID1:</b> 49000080	
STORY AR 71970	<b>ID2:</b> 002207	
<b>CONTACT:</b> A. B. LITTLEFIELD	<b>STATUS:</b>	
	<b>PHONE:</b> 5016752501	

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCY:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			

**GENERAL TANK INFORMATION**

<b>TANK NUMBER:</b>	2	<b>TANK INSTALLED DATE:</b>	1/1/1984
<b>TANK STATUS:</b>	Permanently Out	<b>STATUS DATE:</b>	7/20/1998
<b>STATUS DETAILS:</b>		<b>TANK COMMENT:</b>	
<b>TANK CAPACITY:</b>	3000 gal.	<b>TANK REPAIR DATE:</b>	
<b>SITE ASSESSMENT DATE:</b>		<b>SITE ASSESSMENT LEAK CHK:</b>	

**TANK CONTENTS**

<b>EMPTY:</b>	No	<b>DIESEL:</b>	No
<b>KEROSENE:</b>	No	<b>GAS:</b>	Yes
<b>USED OIL:</b>	No	<b>NEW OIL:</b>	No
<b>UNKNOWN:</b>	No	<b>HAZARDOUS:</b>	
<b>MIXTURE DESCRIPTION:</b>		<b>OTHER CONTENTS DESC:</b>	

**MATERIAL(S) OF CONSTRUCTION**

<b>STEEL:</b>	Yes	<b>EPOXY:</b>	No
<b>COMPOSITE:</b>	No	<b>FBR GLASS REINFORCED PLASTIC:</b>	No
<b>CONCRETE:</b>	No	<b>INTERNAL LINER:</b>	No
<b>EXTERNAL LINER:</b>	No	<b>DOUBLE WALLED:</b>	No
<b>JACKET:</b>	No	<b>UNKNOWN:</b>	No
<b>OTHER MAT:</b>			

**TANK RELEASE DETECTION (RD) INFORMATION**

<b>RD INSTALLED:</b>		<b>MANUAL GAUGE:</b>	No
<b>TIGHTNESS TEST:</b>	No	<b>INVENTORY CONTROLS:</b>	No
<b>AUTO TK GAUGE:</b>	No	<b>VAPOR MONITOR:</b>	No
<b>GROUNDWATER MONITORING:</b>	No	<b>INTERSTITIAL-DBL WALL:</b>	No
<b>UNKNOWN:</b>	Yes	<b>OTHER RD DESC:</b>	

**TANK CORROSION PROTECTION (CP) INFORMATION**

<b>CP INSTALLED:</b>		<b>ASPHALT COATING:</b>	Yes
<b>DIELECTRIC COATING:</b>	No	<b>EXTERNAL FRP:</b>	No
<b>INTERNAL LINING:</b>	No	<b>CATHODIC PROT SYSTEM:</b>	No
<b>ELECTRICAL ISOLATION:</b>	No	<b>CP UNKNOWN:</b>	No

*Continued on next page -*

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 27

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PITTMAN GROCERY  
**ADDRESS:** HIGHWAY 27  
STORY AR 71970

**REV:** 05/15/06  
**ID1:** 49000080  
**ID2:** 002207  
**STATUS:**  
**PHONE:** 5016752501

**CONTACT:** A. B. LITTLEFIELD

**OTHER CP DESC:**

**SPILL & OVERFLOW PROTECTION (SO) INFORMATION**

<b>SO INSTALLED:</b>		<b>SPILL BASIN:</b>	No
<b>AUTO SHUTOFF VALVE:</b>	No	<b>AUTO FLOW RESTRICTOR:</b>	No
<b>AUTO HI LEVEL ALARM:</b>	No	<b>SO UNKNOWN:</b>	Yes
<b>SO DESC:</b>			

**PIPING (PP) MATERIAL INFORMATION:**

<b>BARE STEEL:</b>	No	<b>GALVANIZED STEEL:</b>	Yes
<b>FBR GLASS REINFORCED PLASTIC:</b>	No	<b>COPPER:</b>	No
<b>DOUBLE WALLED:</b>	No	<b>SECONDARY CONTAINMENT:</b>	No
<b>PP UNKNOWN:</b>	No	<b>PP DESC:</b>	

**PIPING (PP) TYPE:**

<b>SUCTION; PVC:</b>	No	<b>SUCTION; TCV:</b>	No
<b>PRESSURE:</b>	No	<b>GRAVITY:</b>	No
<b>REPAIR DATE:</b>		<b>UNKNOWN:</b>	Yes
<b>OTHER PP TYPE DESC:</b>			

**PIPE RELEASE DETECTION (PRD) INFORMATION**

<b>VAPOR MONITORING:</b>	No	<b>GROUNDWATER MONITORING:</b>	No
<b>LINE TIGHTNESS TEST:</b>	No	<b>AUTO LEAK DETECTOR:</b>	No
<b>INTERSTITIAL MONITORING:</b>	No	<b>UNKNOWN:</b>	Yes
<b>OTHER PRD DESCRIPTION:</b>			



## Environmental FirstSearch Database Descriptions

**NPL:** *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

**CERCLIS:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

**NFRAP:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

**RCRA TSD:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

**RCRA COR:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

**RCRA GEN:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN – Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

**ERNS:** *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**STATE SITES:** *ARDEQ* Listing of hazardous waste generators facility summary

**SWL:** *ARDEQ* listing of all landfills. This database gives information on all landfill permit holders regardless of the permit status or the facility

**REG UST/AST:** *ARDEQ* Listing of all known underground storage tanks

**LEAKING UST:** *ARDEQ* Listing of all known leaking underground storage tanks

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

## Environmental FirstSearch Database Sources

**NPL: EPA** Environmental Protection Agency

*Updated quarterly*

**CERCLIS: EPA** Environmental Protection Agency

*Updated quarterly*

**NFRAP: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA TSD: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA COR: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA GEN: EPA** Environmental Protection Agency.

*Updated quarterly*

**ERNS: EPA/NRC** Environmental Protection Agency

*Updated semi-annually*

**STATE SITES: ARDEQ** Arkansas Department of Environmental Quality

*Updated quarterly*

**SWL: ARDEQ** Arkansas Department of Environmental Quality

*Updated annually*

**REG UST/AST: ARDEQ** Arkansas Department of Environmental Quality

*Updated quarterly*

**LEAKING UST: ARDEQ** Arkansas Department of Environmental Quality

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
10th	0.51 SE	Hummingbird Ln	0.00 --
11th	0.64 SE	Ironfork Ln	0.62 NW
1st	0.48 NE	Ironfork Point	0.00 --
3rd	0.39 NE	Jessie Rd	0.50 NE
4th	0.36 SE	Jim Dunnavant Rd	0.54 NE
5th	0.33 SE	Jimmie Scott Rd	0.00 --
6th	0.35 SE	Jones	0.47 NW
7th	0.38 SE	Keeton Rd	0.00 --
8th	0.42 SE	Knotweed Trl	0.00 --
9th	0.46 SE	Lake Front Dr	0.13 SW
Aaron s Ln	0.88 SW	Lake Ouachita Trl	0.07 SE
Adderstongue Rd	0.16 NW	Leather Works Dr	0.84 SW
Air National Guard C	0.00 --	Leflore	0.79 NE
Albert Graves Rd	0.92 NE	Lena Use Area Cv	0.42 NW
Allinder Rd	0.07 NW	Lena Use Area Point	0.34 NW
Anderson Ln	0.16 SW	Lena Use Area Rd	0.45 NW
Ann St	0.12 NW	Linray	0.01 NW
Appleridge	0.33 NW	Linray Dr	0.09 NW
Austins Ln	0.00 --	Little Blakely Creek	0.00 --
Avant Landing Trl	0.88 NW	Little Blakely Tr	0.00 --
Avant Ln	0.05 NW	Logan Gap Rd	0.99 SW
Bain Rd	0.29 NW	Los Dobles Ln	0.10 SW
Barbara Ln	0.45 NW	Main	0.52 NE
Bear Mtn Tr	0.00 --	Malvern	0.86 NE
Bearce Cir	0.54 SW	Marion Dr	0.49 NW
Beebalm Tr	0.05 NE	Matt Trl	0.46 NE
Bighole Rd	0.00 --	Mc Cullough Ln	0.75 SW
Blakely Dam Rd	0.00 --	Mc Curtian	0.93 NE
Blakely Mountain Ove	0.00 --	McFadden Rd	0.98 NE
Blaylock Rd	0.31 NW	Meadowrue Trl	0.58 NW
Blisc Cem Rd	0.33 SW	Mervin Camp Cv	0.00 --
Bluegill Rd	0.26 NW	Mighty Oaks Dr	0.65 SW
Bluegill Trl	0.21 NW	Minton Rd	0.00 --
Bob White Ln	0.00 --	Mocassin Creek Rd	0.83 NE
Boxley Pl	0.00 --	Mollie Rd	0.43 NE
Boxley Rd	0.00 --	Mount Harbor Rd	0.15 SE
Boxley Ter	0.00 --	Mountain Pine Rd	0.00 --
Boxley Trl	0.03 SE	Mountain View Ave	0.33 SE
Brady Mountain Overl	0.00 --	Mudpuppy Cv	0.00 --
Brady Mountain Rd	0.00 --	Musecreek Rd	0.96 NE
Brady Mountain Trl	0.00 --	National Guard Rd	0.18 NW
Brianwood Rd	0.77 SE	Navy Landing Rd	0.55 NW
Briar Patch Ct	0.00 --	Navy Landing Ter	0.75 NW
Bryant Ln	0.99 NW	Near Dr	0.13 NW
Bucko Rd	0.27 NW	Nellie Dr	0.08 NW
Buckthorn Ln	0.87 SE	Nelson Ter	0.36 SE
Buckville Ln	0.15 NW	O Neil Dr	0.80 SW
Buckville Rd	0.00 --	Oak Ln	0.00 --

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Caitlin Ln	0.79 SW	Oakhaven Rd	0.90 NW
Caldwell Ln	0.00 --	Oakwood Dr	0.00 --
Caldwell Rd	0.00 --	Old Silver Rd	0.00 --
Camp Story Co	0.00 --	Ouachita Ave	0.43 -E
Camp Story Rd	0.00 --	Overbrook	0.00 --
Camp Story Ter	0.00 --	Owl Creek Rd	0.82 SE
Camp Story Trl	0.00 --	Owl Ln	0.00 --
Camp Yorktown Ln	0.00 --	Peaceful View Ct	0.00 --
Carol Sand Rd	0.37 NW	Pelican Ln	0.00 --
Cedar Fourche Point	0.00 --	Pembroke Rd	0.31 NW
Cedar Fourche Rd	0.00 --	Pitchfork Rd	0.58 NW
Cherrye Ln	0.37 SW	Pollard Creek Tr	0.43 SW
Copperhead Rd	0.00 --	Pondarosa Dr	0.43 SW
Copperhead Trl	0.00 --	Quail Flush Rd	1.00 NE
Country Ln	0.66 NW	Rabbit Trail Rd	0.00 --
Cowbell Ln	0.14 NE	Rebel Ln	0.00 --
Cox Cir	0.22 NW	Redbank Creek Rd	0.67 NW
Cozy Acres Rd	0.41 SE	Rifle Range Rd	0.23 NW
Crawdad Island Rd	0.00 --	Robinson Cir	0.00 --
Crawfish Cv	0.00 --	Rock Springs Ln	0.88 NW
Crawford Landing Rd	0.00 --	Rock Springs Rd	0.00 --
Crest Wood Dr	0.10 SW	Ron Rogers Trl	0.00 --
Cross Cut Rd	0.10 NE	Ron Trl	0.32 SE
Crossbow Rd	0.28 NW	Savall Cir	0.00 --
Crystal Mine Rd	0.25 NW	Savall Ln	0.00 --
Deep Cove Trl	0.00 --	Savall Tr	0.00 --
Deer Scrape Cir	1.00 NE	School Ave	0.81 NE
Dogwood Dr	0.00 --	Seebee Ln	0.83 NW
Drybranch Rd	0.00 --	Seed Orchard Rd	0.79 SW
Duachilta Dr	0.00 --	Sevier	0.74 NE
Dutchman Cv	0.00 --	Shady Grove Rd	0.33 SW
E Basin Dr	0.00 --	Shipman Ln	0.71 SW
E Ln	0.54 NW	Simpson Ln	0.75 SW
E Travis Ln	0.73 SW	Squirrelhunter Rd	0.09 SE
Eagle Eye Rd	0.00 --	State Highway 188	0.00 --
Eagle Ln	0.00 --	State Highway 27	0.00 --
Earl Wilson Rd	0.22 NE	State Highway 88	0.60 NE
EAST Basin Dr	0.00 --	State Highway 949-2	0.00 --
EAST Travis Ln	0.73 SW	State Highway 949-3	0.00 --
Eddington Pl	0.00 --	State Highway 949-4	0.00 --
Farr Dr	0.12 NW	Sterlon Ln	0.82 NW
Fecho Grass Farm Rd	0.86 SW	Story Rd	0.96 NW
Fin Trl	0.24 NW	Street Rod Ln	0.85 SW
Fisher Ln	0.00 --	Sumac	0.00 --
Forest Burrow Tr	0.32 SW	Sweet Home Rd	0.52 NW
Forest Rd	0.05 NW	Sycamore	0.00 --
Forkarea Cv	0.00 --	Tabor Mountain Co	0.30 NE
Foxglove Tr	0.74 NW	Tabor Mountain Rd	0.18 NE

***Environmental FirstSearch***  
***Street Name Report for Streets within 1 Mile(s) of Target Property***

**TARGET SITE:** LAKE OUACHITA  
ROYAL AR 71968

**JOB:** 0620-01  
LAKE OUACHITA PERIMETER SEARCH

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Frye Ln	0.89 NE	Tadpole Point	0.00 --
Garland Ave	0.76 NE	Tanner Tr	0.41 SE
Garter Trl	0.00 --	Target Tr	0.65 SW
George Herron Tr	0.00 --	Three Sisters Spring	0.00 --
George Roberts Rd	0.25 NW	Three Sisters Spring	0.22 NE
Girl Scout Ln	0.00 --	Three Sisters Spring	0.07 NE
Gobblers Knob Cir	0.00 --	Tobin Cutoff	0.06 SE
Godwin Rd	0.14 NW	Tramway Rd	0.71 NE
Goldenrod Rd	0.00 --	Travis Ln	0.66 SW
Goodwin Ln	0.63 NW	Treece Rd	0.34 NE
Gooseberry Rd	0.19 NW	Triplecreek Ln	0.58 SE
Grey Rock Dr	0.24 SW	Truck Route Rd	0.58 NE
Grey Rock Ter	0.20 SW	Union Hill Rd	0.27 NW
Haley Dr	0.04 NW	United States Highwa	0.00 --
Hardrock Trl	0.00 --	Vincent Ln	0.69 SW
Harley Rd	0.89 NE	Vlasic Pickle Rd	0.00 --
Harley Tr	0.91 NW	W Strawberry Rd	0.71 SE
Harper Grocery Rd	0.00 --	Wagon Train Rd	0.56 NE
Harper Ln	0.00 --	Wagon Train Tr	0.56 NE
Hawke Ln	0.00 --	Walter Adams Trl	0.39 NW
Hawkweed Cv	0.00 --	Waterwell Tr	0.00 --
Hickory Ridge Rd	0.00 --	WEST Strawberry Rd	0.71 SE
High Lead Pl	0.61 SE	Weyco Rd	0.68 SW
High Lead Rd	0.03 NE	Weyerhaeuser Complex	0.63 SE
Highwater Hill Rd	0.00 --	Whiddon Ln	0.98 SE
Highway 298	0.00 --	Wild Turkey Dr	0.00 --
Hiram Blocker Rd	0.72 NW	Wild Turkey Rd	0.00 --
Hogeye Rd	0.22 NE	Wildcat Ln	0.57 SW
Hope Rd	0.00 --	Winding Rock Tr	0.63 NE
Hope Trl	0.00 --	Woodeker Cir	0.25 NW
Howard	0.79 NE	Yellowclover Rd	0.54 NW
Huff Rd	0.83 SE		





# Appendix C

## **THIRTY DAY PUBLIC REVIEW PERIOD COMMENTS AND RESPONSES**

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# **Agency/Organization Letters of Concern**





## Department of Energy

Southwestern Power Administration  
One West Third Street  
Tulsa, Oklahoma 74103-3519

OCT 20 2006

Mr. Jonathan Long, P.E.  
Project Manager  
Planning and Environmental Office  
U.S. Army Corps of Engineers, Little Rock District  
P.O. Box 867  
Little Rock, AR 72203-0867

Dear Mr. Long:

This is in response to your letter dated August 24, 2006, requesting comments on the Draft Environmental Assessment (DEA) for the Water Supply Storage Reallocation Report for the Mid Arkansas Water Alliance (MAWA). We appreciate the extension of the comment period deadline from September 25, 2006, to October 25, 2006. Southwestern Power Administration (Southwestern) is pleased to see that the Little Rock District (LRD) is recommending the storage for MAWA be reallocated from flood control storage at Greers Ferry Lake and Lake Ouachita. Please find Southwestern's specific comments regarding the Draft Storage Reallocation Report and the DEA detailed in the enclosure. In addition to those specific comments, Southwestern has several major concerns.

The draft reallocation report and DEA state that the reallocation will meet the needs of MAWA through the year 2025. Corps guidance states that "All reallocations or additions of storage should be to serve immediate needs" (ER 1105-2-100). The Corps has typically interpreted "immediate needs" to be those needs up to ten years in the future. Further, the draft storage reallocation report states that the current dependable yield for water supply available in central Arkansas is 174.73 million gallons per day (MGD); however, it also shows that the projected average water demand will be about 130 MGD in the year 2015 and approximately 155 MGD in the year 2030. The information in the report shows no "immediate need" for additional water supply storage yielding the 35 MGD included in the reallocation request. The reallocation should only be requested to meet the demonstrated needs of MAWA over the next ten years. It appears that there may be distribution or treatment solutions that could be implemented without the need to reallocate additional storage from the two projects.

As you are aware, Southwestern has provided comments for all recent water storage reallocation reports prepared by LRD for storage at LRD projects (primarily Beaver Lake and Greers Ferry Lake). Southwestern maintains the same position taken on those previous reports with regard to a viable National Economic Development Plan alternative, determination of the actual loss and value of hydropower capacity and energy, and the procedure used to determine hydropower credits. Southwestern has similar concerns with the current draft report in those areas as we had with the previous draft reports. The recently established Corps Water Supply Task Force, which

includes the Corps, Southwestern, Southeastern Power Administration (Southeastern), and customers for both Southwestern and Southeastern, was set up by the Corps to discuss and hopefully resolve those long-standing issues. Southwestern recommends that all storage reallocation reports involving hydropower projects be put on hold until the Task Force is able to complete its work. Agreement between the Corps and the Federal Hydropower interests would simplify the preparation and evaluation of future storage reallocation reports and would speed the approval of the reports.

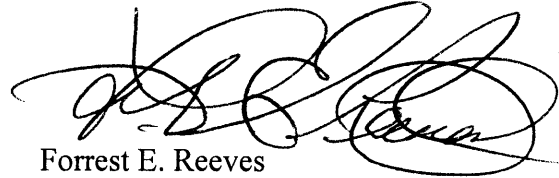
Corps guidance recommends the use of operational changes, when possible, to compensate hydropower users (ER 1105-2-100). In 1998, a consensus operational change for Greers Ferry was developed between LRD and Southwestern. The agreed-upon plan included a seasonal pool rise to elevation 463.0 from April 1 through September 30 annually. Also, the plan required that future water supply storage reallocations be taken from flood storage and result in raising both the seasonal and non-seasonal pool elevations. Southwestern agreed that the operational change would provide compensation to the Federal hydropower purpose for all future water supply storage reallocations from discretionary storage at Greers Ferry Lake. The plan was sent to Corps Headquarters for review and was returned with minor guidance for changes in December 1998. A draft Memorandum of Understanding between LRD and Southwestern was developed in early 1999. Southwestern asked that the operational change be implemented in a letter to LRD dated September 27, 2000. In a reply dated October 23, 2000, Colonel Holden, the LRD District Engineer at that time, proposed an interim operation with a seasonal pool at elevation 462.50 until the resolution of the White River Minimum Flow Study. The interim operation has been utilized since that time and was used in 2006. Since the Minimum Flow Study has been concluded and minimum flows have been deauthorized at Greers Ferry, we again request that LRD work with Southwestern to implement the operational change at Greers Ferry as quickly as possible. Because the permanent (non-seasonal) pool level has raised 0.18 feet since the consensus plan was developed, we believe the seasonal pool level should be 463.18 and should be raised to 463.78 if the MAWA reallocation is approved.

Corps policy provides additional storage to existing water supply users as dependable yield mitigation storage (DYMS). DYMS is provided to maintain the current yield of existing water supply users. Another possible operational change would be the reallocation of additional storage to maintain the yield of the current hydropower storage, or hydropower yield protection operation (HYPO). As mentioned, Corps guidance recommends operational changes to compensate hydropower. The use of HYPO, similar to DYMS for existing water supply users, is another method of protecting the hydropower purpose and was used by LRD in the White River Minimum Flow Study. The White River Minimum Flow Study Draft Environmental Impact Statement dated May 2006 states that "All plans that were identified as potentially implementable and have a flood pool storage reallocation will include DYMS for water supply users and HYPO for hydropower users." The use of HYPO would maintain the current yield of the hydropower storage and, therefore, minimize the hydropower losses, especially capacity losses, in a storage reallocation. LRD should include HYPO in the currently proposed

reallocation, as well as in all reallocation studies involving hydropower projects in the future.

We appreciate the opportunity to provide comments on the Draft Storage Reallocation Report and DEA. Please contact Mr. George Robbins at 918-595-6680 or [George.Robbins@swpa.gov](mailto:George.Robbins@swpa.gov) if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Forrest E. Reeves", written in a cursive style.

Forrest E. Reeves  
Assistant Administrator  
Office of Corporate Operations

Enclosure

cc: Ted Coombes (SPRA)

October 19, 2006

**Southwestern Power Administration Comments on the Draft Water Supply Storage Reallocation Report – Reallocation of Storage at Greers Ferry Lake and Lake Ouachita, Arkansas for the Mid Arkansas Water Alliance (Draft Reallocation Report) dated August 2006**

(Note: Paragraphs are numbered from the beginning of the referenced section or subsection)

1. Draft Reallocation Report, Executive Summary, Paragraph 2, Sentence 1. The sentence states that the proposed reallocation will meet the “present and future needs of central Arkansas through the year 2025.” ER 1105-2-100 states on page E-216 that “All reallocations or additions of storage should be to serve immediate needs.” In previous reports, the Corps has typically interpreted “immediate needs” to be those needs up to ten years in the future. The reallocation should be requested to meet the needs of MAWA through the year 2017 and no later than the year 2020.
2. Draft Reallocation Report, Page iii, TABLE OF CONTENTS, LIST OF APPENDICES, APPENDIX E. “ENVORONMENTAL” should be “ENVIRONMENTAL”.
3. Draft Reallocation Report, Page 1, 1. PURPOSE OF REPORT, A. Reallocation Request, Paragraphs 1 and 2. See Comment 1. The narrative describes how the current storage request will meet the needs of MAWA through the year 2025. ER 1105-2-100 states on page E-216 that “All reallocations or additions of storage should be to serve immediate needs.” In previous reports, the Corps has typically interpreted “immediate needs” to be those needs up to ten years in the future. The reallocation should be requested to meet the needs of MAWA through the year 2017 and no later than the year 2020.
4. Draft Reallocation Report, Page 2, 2. PROJECT BACKGROUND, A. Project History, Paragraph 2, Sentence 5. Our records show the in-service dates for the hydropower units to be March 1964 for Unit 1 and May 1964 for Unit 2. Please confirm the correct dates.
5. Draft Reallocation Report, Page 4, 3. ECONOMIC ANALYSIS, A. Water Supply Demand Analysis, Paragraph 1. The paragraph states that the current dependable yield for water supply available in central Arkansas is 174.73 MGD. Figure 2 on Page 5 shows the projected average water demand to be about 130 MGD in the year 2015 and approximately 155 MGD in the year 2030. Southwestern would not oppose a demonstrated need for additional water supply, but we do not see an “immediate need” in the area for additional water supply based on the data.



6. Draft Reallocation Report, Page 7, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 1) General, Paragraph 2, Sentence 1. The sentence states that the conservation pool contains 716,500 acre-feet of storage between elevations 435 and 461. TABLE 1 on Page 2 shows the same amount of storage between elevations 435 and 461.44. Please correct.
7. Draft Reallocation Report, Page 8, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 3) Flood Pool, Paragraph 2, Sentences 3 and 6. The sentences cite EC 1105-2-216. Southwestern believes that EC has expired and was incorporated into ER 1105-2-100. Please verify and correct if necessary.
8. Draft Reallocation Report, Page 8, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 3) Flood Pool. ER 1105-2-100 states “Also to be considered, where appropriate, is the need to compensate hydropower users through operational changes.” (Page E-219, e. Reallocation of Flood Control Storage, (1) Introduction, Paragraph 1, Sentence 2.) In 1998, a consensus operational change for Greers Ferry was developed between LRD and Southwestern. The agreed-upon plan included a seasonal pool rise to elevation 463.0 from April 1 through September 30 annually. Also, future water supply storage reallocations would be taken from flood storage, raising the levels of both the seasonal and non-seasonal pool. Southwestern agreed that the operational change would provide compensation to the Federal hydropower purpose for all future water supply storage reallocations from discretionary storage at Greers Ferry Lake. The plan was sent to Corps Headquarters for review and was returned with minor guidance for changes in December 1998. A draft Memorandum of Understanding between LRD and Southwestern was developed in early 1999. Southwestern requested that the operational change be implemented in a letter to LRD dated September 27, 2000. In a reply dated October 23, 2000, Colonel Holden, the LRD District Engineer at that time, proposed an interim operation with a seasonal pool at elevation 462.50 until the resolution of the White River Minimum Flow Study. The interim operation has been utilized since that time and was used in 2006. Since the Minimum Flow Study has been concluded and minimum flows have been deauthorized at Greers Ferry, we again request that LRD work with Southwestern to implement the operational change at Greers Ferry as quickly as possible. Since the permanent (non-seasonal) pool elevation has raised 0.18 feet since the consensus plan was developed, we believe the current seasonal pool level should be 463.18 and should be raised to 463.78 if the MAWA reallocation is approved.
9. Draft Reallocation Report, Page 9, 4. DERIVATION OF USER COST, B. Hydropower Benefits Foregone, TABLE 3. Based on Southwestern’s preliminary analysis, TABLE 3 should be updated as shown below. The on-peak energy, off-peak energy, and capacity values are based on “THERMAL

PLANT POWER VALUES FOR THE SOUTHWEST REGION” computed by the Corps’ Hydropower Analysis Center (HAC) for Southwestern dated January 2006. The on-peak energy value is based on a combustion turbine plant in Arkansas. The off-peak energy value is based on a coal-fired steam plant in Arkansas. The capacity value is based on a combustion turbine plant in Arkansas.

TABLE 3  
HYDROPOWER BENEFIT LOSSES DUE TO WATER WITHDRAWALS

	Benefits Foregone	
	Flood Pool	Conservation Pool
Reduction in streamflow (mgd)	15.00	15.00
Annual on-peak energy losses (MWh)	1,660	5,292
On-peak energy value (mills/kWh)	68.12	68.12
Annual on-peak energy benefits foregone	\$113,079	\$360,491
Annual off-peak energy losses (MWh)	3,179	0
Off-peak energy value (mills/kWh)	15.79	15.79
Annual off-peak energy benefits foregone	\$50,196	\$0
Annual energy benefits foregone	\$163,276	\$360,491
Capacity losses (kW)	669	2,197
Capacity value (\$/kW-yr)	\$62.24	\$62.24
Annual capacity benefits foregone	\$41,639	\$136,741
Annual benefits foregone	\$204,914	\$497,232

10. Pages 9-10, 4. DERIVATION OF USER COST, C. Hydropower Revenues Forgone, Paragraph 1. The Southwestern Power Administration rates should be updated to the October 2006 values which are 14.9 mills/kWh for on-peak energy, 8.2 mills/kWh for off-peak energy, and \$42.34/kW-year for capacity.

11. Page 10, 4. DERIVATION OF USER COST, C. Hydropower Revenues Forgone, TABLE 4. Based on Southwestern’s preliminary analysis and current rates (see previous comment), TABLE 4 should be updated as shown below.

	Revenues Foregone	
	Flood Pool	Conservation Pool
Reduction in streamflow (mgd)	15.00	15.00
Annual on-peak energy losses (MWh)	1,660	5,292
On-peak energy value (mills/kWh)	14.90	14.90
Annual on-peak energy revenues foregone	\$24,734	\$78,851
Annual off-peak energy losses (MWh)	3,179	0
Off-peak energy value (mills/kWh)	8.20	8.20
Annual off-peak energy revenues foregone	\$26,068	\$0
Annual energy revenues foregone	\$50,802	\$78,851
Capacity losses (kW)	669	2,197
Capacity value (\$/kW-yr)	\$42.34	\$42.34
Annual capacity revenues foregone	\$28,326	\$93,023
Annual revenues foregone	\$79,128	\$171,874

12. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone. The section should be titled "Flood Control Reallocation Alternative Benefits Foregone." Please correct.
13. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 1) Dependable Yield Mitigation Storage, Paragraph 1, Sentence 1. The sentence should state that the purpose of dependable yield mitigation storage is to maintain the current yield of existing *water supply* users. Please correct.
14. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 1) Dependable Yield Mitigation Storage, Paragraph 1, Sentence 4. See previous comment. The phrase "existing water users" should be changed to "existing water supply users." Please correct.
15. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 2) Lost Flood Control Benefits. The Corps uses a simplistic, straight-line approach for computing lost flood control

benefits while using a much more sophisticated approach for computing lost hydropower benefits. The hydropower losses would be much greater if the Corps used a technique similar to that used for lost flood benefits.

16. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 3) Lost Hydropower Benefits. The HAC analysis should be included as an appendix to the report. It is difficult to properly evaluate the hydropower impact calculations without it. Please include the HAC analysis.
17. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 3) Lost Hydropower Benefits, Paragraph 1, Sentence 2. The sentence incorrectly states that there will be a change in the volume of the power pool. The conservation pool volume will increase, but the power pool – the amount of storage available to hydropower – will not change. The power pool volume will stay the same, but the yield of that storage will be reduced. Please correct.
18. Draft Reallocation Report, Page 11, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 5) Total Costs, TABLE 5. Based on Southwestern’s preliminary analysis, TABLE 5 should be updated as shown below.

TABLE 5	
TOTAL COST WITH REALLOCATION FROM FLOOD CONTROL STORAGE	
ITEM	COST
Lost Flood Control Benefits	\$18,610
Lost Hydropower Benefits	\$204,914
Other costs	-
<b>TOTAL</b>	<b>\$223,524</b>

19. Draft Reallocation Report, Page 14, 4. DERIVATION OF USER COST, E. National Economic Development Plan. The section heading should be G. National Economic Development Plan. Please correct.
20. Draft Reallocation Report, Page 14, 4. DERIVATION OF USER COST, E. National Economic Development Plan, Table 7. Based on Southwestern’s preliminary analysis, Table 7 should be updated as shown below.

Table 7 National Economic Development Plan	
Lost Benefits	
Conservation Pool	
-Hydropower	\$497,232
Total Conservation Pool	\$497,232
Flood Pool	
-Flood Damages	\$18,610
-Hydropower	\$204,914
Total Flood Pool	\$223,524

21. Draft Reallocation Report, Page 14, 4. DERIVATION OF USER COST, F. Users Costs. The section heading should be H. Users Costs. Please correct.
22. Draft Reallocation Report, Page 14, 4. DERIVATION OF USER COST, F. Users Costs, TABLE 8. The numbers in the table do not match the numbers in any of the previous tables. Where did they come from? Please explain.
23. Draft Reallocation Report, Page 16, 5. TEST OF FINANCIAL FEASIBILITY, TABLE 10. Will an intake structure, pump station, or pipeline have to be built to accommodate the water supply withdrawals from Greers Ferry? If so, those costs should be included in the Greers Ferry Alternative.
24. Draft Reallocation Report, Page 16, 5. TEST OF FINANCIAL FEASIBILITY, TABLE 10. A new lake would be sized to meet the entire MAWA need. The costs of the new lake and pipeline should be compared with the costs of reallocation (and intake structures, pump stations, and pipelines, as necessary) at both Greers Ferry Lake and Lake Ouachita together and not separately. Please correct.
25. Draft Reallocation Report, Page 16, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 1. The sentence should state that the reallocation “will have an adverse effect on the Federal hydropower purpose.” Southwestern’s customers will bear the adverse effects of the reallocation through both reduced power and energy available and higher rates for Federal hydropower. Please correct.
26. Draft Reallocation Report, Page 16, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 3. The word “year” should be inserted between “the” and “2062”. Please correct.

27. Draft Reallocation Report, Page 16, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 7. Why do capacity credits only go through the year 2015? Please explain. Note: If that year is based on Southwestern's latest contract expiration, please note that Southwestern's last current contract with customers taking energy from the project expires in 2021.
28. Draft Reallocation Report, Page 16, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 9. The interest rate used was 5.125 percent. Other interest rates were used elsewhere in the report. Please explain.
29. Page 16, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1. The credit to the Federal Hydropower purpose should be recalculated based on Southwestern's preliminary analysis and updated tables. Please correct.
30. Draft Reallocation Report, Page 16, 7. OTHER CONSIDERATIONS, A. NEPA DOCUMENTATION, Paragraph 1, Sentences 1-2. The sentences seem to have been written for a conservation storage reallocation. The combined amount of storage in the conservation and flood pools will not change, but the size of each pool will change as storage is reallocated from the flood pool to the conservation pool. Please correct.
31. Draft Reallocation Report, Page 20, 1. PURPOSE, A. Reallocation Request, Paragraphs 1 and 2. See Comments 1, 3, and 5. Storage should only be reallocated to meet the "immediate needs" of MAWA. Please correct.
32. Draft Reallocation Report, Page 24, 2. PROJECT BACKGROUND, C. Water Reallocations, Paragraph 1, Sentence 2. The sentence should read "This water supply agreement was executed *on* February 14, 1996..." Please correct.
33. Draft Reallocation Report, Page 24, 2. PROJECT BACKGROUND, C. Water Reallocations, Paragraph 2, Sentence 1. The three reallocations cited in Paragraph 1 (1,575 acre-feet, 5,004 acre-feet, and 33,303 acre-feet) add up to 39,882 acre-feet. That would leave 10,118 acre-feet of discretionary storage remaining and not 10,183 acre-feet. The Executive Summary states that 10,061 acre-feet of discretionary storage would remain after the reallocation, and the table in APPENDIX A seems to support that number. Please verify and correct.
34. Draft Reallocation Report, Page 24, 3. ECONOMIC ANALYSIS, A. Water Supply Demand Analysis, Paragraph 1. The paragraph states that the current dependable yield for water supply available in central Arkansas is 174.73 MGD. Figure 2 on Page 25 shows the projected average water demand to be about 130 MGD in the year 2015 and approximately 155 MGD in the year 2030. Southwestern would not oppose a demonstrated need for additional water

supply, but we do not see an “immediate need” in the area for additional water supply based on the data.

35. Draft Reallocation Report, Page 28, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 3) Flood Pool, Paragraph 1, Sentence 3. The sentence should be corrected to state “...while maintaining the expected yield of the existing *water supply* user.”
36. Draft Reallocation Report, Page 28, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 3) Flood Pool, Paragraph 1, Sentence 4. The sentence states that the top of conservation pool will be raised from elevation 578.16. TABLE 11 on page 21 states that the current top of conservation pool is 578.04. Please clarify.
37. Draft Reallocation Report, Page 28, 4. DERIVATION OF USER COST, A. YIELD/STORAGE ANALYSIS, 3) Flood Pool, Paragraph 2, Sentences 3 and 6. The sentences cite EC 1105-2-216. Southwestern believes that EC has expired and was incorporated into ER 1105-2-100. Please verify and correct if necessary.
38. Draft Reallocation Report, Page 29, 4. DERIVATION OF USER COST, B. Hydropower Benefits Foregone, TABLE 13. Based on Southwestern’s preliminary analysis, TABLE 33 should be updated as shown below. The on-peak energy, off-peak energy, and capacity values are based on “THERMAL PLANT POWER VALUES FOR THE SOUTHWEST REGION” computed by HAC for Southwestern dated January 2006. The on-peak energy value is based on a combustion turbine plant in Arkansas. The off-peak energy value is based on a coal-fired steam plant in Arkansas. The capacity value is based on a combustion turbine plant in Arkansas.

	Benefits Foregone	
	Flood Pool	Conservation Pool
Reduction in streamflow (mgd)	20.00	20.00
Annual on-peak energy losses (MWh)	4,745	8,775
On-peak energy value (mills/kWh)	68.12	68.12
Annual on-peak energy benefits foregone	\$323,229	\$597,753
Annual off-peak energy losses (MWh)	2,607	0
Off-peak energy value (mills/kWh)	15.79	15.79
Annual off-peak energy benefits foregone	\$41,165	\$0
Annual energy benefits foregone	\$364,394	\$597,753
Capacity losses (kW)	1,874	2,593
Capacity value (\$/kW-yr)	\$62.24	\$62.24
Annual capacity benefits foregone	\$116,638	\$161,388
Annual benefits foregone	\$481,032	\$759,141

39. Draft Reallocation Report, Page 29, 4. DERIVATION OF USER COST, C. Hydropower Revenues Forgone, Paragraph 1. The Southwestern Power Administration rates should be updated to the October 2006 values which are 14.9 mills/kWh for on-peak energy, 8.2 mills/kWh for off-peak energy, and \$42.34/kW-year for capacity.
40. Draft Reallocation Report, Page 30, 4. DERIVATION OF USER COST, C. Hydropower Revenues Forgone, TABLE 14. Based on Southwestern's preliminary analysis and current rates (see previous comment), TABLE 14 should be updated as shown below.



	Revenues Foregone	
	Flood Pool	Conservation Pool
Reduction in streamflow (mgd)	20.00	20.00
Annual on-peak energy losses (MWh)	4,745	8,775
On-peak energy value (mills/kWh)	14.90	14.90
Annual on-peak energy revenues foregone	\$70,701	\$130,748
Annual off-peak energy losses (MWh)	2,607	0
Off-peak energy value (mills/kWh)	8.20	8.20
Annual off-peak energy revenues foregone	\$21,377	\$0
Annual energy revenues foregone	\$92,078	\$130,748
Capacity losses (kW)	1,874	2,593
Capacity value (\$/kW-yr)	\$42.34	\$42.34
Annual capacity revenues foregone	\$79,347	\$109,790
Annual revenues foregone	\$171,425	\$240,537

41. Draft Reallocation Report, Page 30, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone. The section should be titled "Flood Control Reallocation Alternative Benefits Foregone." Please correct.
42. Draft Reallocation Report, Page 30, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 1) Dependable Yield Mitigation Storage, Paragraph 1, Sentence 1. The sentence should state that the purpose of dependable yield mitigation storage is to maintain the current yield of existing *water supply* users. Please correct.
43. Draft Reallocation Report, Page 30, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 1) Dependable Yield Mitigation Storage, Paragraph 1, Sentence 4. See previous comment. The phrase "existing water users" should be changed to "existing water supply users." Please correct.
44. Draft Reallocation Report, Page 31, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 2) Lost Flood Control Benefits. The Corps uses a simplistic, straight-line approach for computing lost flood control

benefits while using a much more sophisticated approach for computing lost hydropower benefits. The hydropower losses would be much greater if the Corps used a technique similar to that used for lost flood benefits.

45. Draft Reallocation Report, Page 31, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 3) Lost Hydropower Benefits, Paragraph 1, Sentence 2. The sentence incorrectly states that there will be a change in the volume of the power pool. The conservation pool volume will increase, but the power pool – the amount of storage available to hydropower – will not change. The power pool volume will stay the same, but the yield of that storage will be reduced. Please correct.
46. Draft Reallocation Report, Page 31, 4. DERIVATION OF USER COST, E. Flood Control Benefits Foregone, 5) Total Costs, TABLE 15. Based on Southwestern’s preliminary analysis, TABLE 15 should be updated as shown below.

TABLE 15	
TOTAL COST WITH REALLOCATION FROM FLOOD CONTROL STORAGE	
ITEM	COST
Lost Flood Control Benefits	\$49,550
Lost Hydropower Benefits	\$481,032
Other costs	-
<b>TOTAL</b>	<b>\$530,582</b>

47. Draft Reallocation Report, Page 34, 4. DERIVATION OF USER COST, G. National Economic Development Plan, Table 17. Based on Southwestern’s preliminary analysis, Table 17 should be updated as shown below.

Table 17 National Economic Development Plan	
Lost Benefits	
Conservation Pool	
-Hydropower	\$759,141
<b>Total Conservation Pool</b>	<b>\$759,141</b>
Flood Pool	
-Flood Damages	\$49,550
-Hydropower	\$481,032
<b>Total Flood Pool</b>	<b>\$530,582</b>

48. Draft Reallocation Report, Page 34, 4. DERIVATION OF USER COST, H. Users Costs, TABLE 18. The numbers in the table do not match the numbers in any of the previous tables. Where did they come from? Please explain.
49. Draft Reallocation Report, Page 36, 5. TEST OF FINANCIAL FEASIBILITY, TABLE 20. The Draft Environmental Assessment (DEA) states that a water intake structure, pump station, and pipeline will have to be built to accommodate the water supply withdrawals from Lake Ouachita (DEA, Page 8, 2.0 DESCRIPTION OF THE PROPOSED ACTION AND ALTERNATIVES, 2.2 LAKE OUACHITA, 2.2.1 Description of the Proposed Action, Paragraph 2). Those costs should be included in the Lake Ouachita Alternative. Please correct.
50. Draft Reallocation Report, Page 36, 5. TEST OF FINANCIAL FEASIBILITY, TABLE 20. A new lake would be sized to meet the entire MAWA need. The costs of the new lake and pipeline should be compared with the costs of reallocation (and intake structures, pump stations, and pipelines, as necessary) at both Lake Ouachita and Greers Ferry Lake together and not separately. Please correct.
51. Draft Reallocation Report, Page 36, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 1. The sentence should state that the reallocation “will have an adverse effect on the Federal hydropower purpose.” Southwestern’s customers will bear the adverse effects of the reallocation through both reduced power and energy available and higher rates for Federal hydropower. Please correct.
52. Draft Reallocation Report, Page 36, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 7. Why do capacity credits only go through the year 2015? Please explain. Note: If that year is based on Southwestern’s latest contract expiration, please note that Southwestern’s last current contract with customers taking energy from the project expires in 2021.
53. Draft Reallocation Report, Page 36, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1, Sentence 9. The interest rate used was 5.125 percent. Other interest rates were used elsewhere in the report. Please explain.
54. Page 36, 6. COST ACCOUNT ADJUSTMENTS/CREDITS TO POWER MARKETING AGENCY, Paragraph 1. The credit to the Federal Hydropower purpose should be recalculated based on Southwestern’s preliminary analysis and updated tables. Please correct.
55. Draft Reallocation Report, Page 36, 7. OTHER CONSIDERATIONS, A. NEPA DOCUMENTATION, Paragraph 1, Sentences 1-3. The combined amount of

storage in the conservation and flood pools will not change, but the size of each pool will change as storage is reallocated from the flood pool to the conservation pool. Please correct.

56. Draft Reallocation Report, APPENDIX B, Fourth table “LAKE OUACHITA FLOOD DAMAGE BENEFIT REDUCTION DUE TO REALLOCATION FROM FLOOD CONTROL STORAGE.” In the calculation of the Incremental Annual Benefit Reduction, 33,181 acre-feet is used instead of the 33,303 acre-feet which is being proposed for reallocation. Use of the correct number would give an answer of \$49,550 which is the value in TABLE 15 on Page 31. Please correct.

October 19, 2006

**Southwestern Power Administration Comments on the Draft ENVIRONMENTAL ASSESSMENT – MID-ARKANSAS WATER ALLIANCE – Water Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita, Arkansas (DEA) dated August 2006**

(Note: Paragraphs are numbered from the beginning of the referenced section or subsection)

1. DEA, Page FONSI-3, DRAFT FONSI, Signature Block. The signature block should have Colonel Walters instead of Colonel Butler. Please correct.
2. DEA, Page ES-i, EXECUTIVE SUMMARY, Paragraph 1, Sentence 3. The Corps completed the draft reallocation report in August 2006. Please correct.
3. DEA, Page 1, 1.0 INTRODUCTION, 1.1 SCOPE AND PURPOSE OF THE PROPOSED ACTION, Paragraph 4, Sentence 1. The Corps completed the draft reallocation report in August 2006. Please correct.
4. DEA, Page 18, 3.0 AFFECTED ENVIRONMENT, 3.1 GREERS FERRY LAKE, 3.1.4 Water Resources, Paragraph 13, Bullet 3. White River Minimum Flows were deauthorized at Greers Ferry Lake in the FY2006 Energy and Water Resources Development Act, Section 132, and should not be shown as a pending storage reallocation request. Please correct.
5. DEA, Page 58, 4.0 ENVIRONMENTAL CONSEQUENCES, 4.8 SOCIOECONOMICS, 4.8.1 Greers Ferry Lake, Effects on Hydropower Generation, Paragraph 2, Sentence 1. The reduction in streamflow shown in Table 3 of the storage reallocation report is 15.0 MGD and not 30.53 MGD. Please correct.
6. DEA, Page 58, 4.0 ENVIRONMENTAL CONSEQUENCES, 4.8 SOCIOECONOMICS, 4.8.1 Greers Ferry Lake, Effects on Hydropower Generation, Paragraph 3, Sentence 1. The reduction in flood control benefits shown in Table 5 of the storage reallocation report is \$18,610 and not \$17,400. Please correct.
7. DEA, Page 58, 4.0 ENVIRONMENTAL CONSEQUENCES, 4.8 SOCIOECONOMICS, 4.8.1 Greers Ferry Lake, Effects on Hydropower Generation, Paragraph 4. The Southwestern Power Administration rates should be updated to the October 2006 values which are 14.9 mills/kWh for on-peak energy, 8.2 mills/kWh for off-peak energy, and \$42.34/kW-year for capacity.

8. DEA, Page 60, 4.0 ENVIRONMENTAL CONSEQUENCES, 4.8 SOCIOECONOMICS, 4.8.2 Lake Ouachita, Effects on Hydropower Generation, Paragraph 3, Sentence 3. The total losses from a flood control reallocation shown in Table 15 of the storage reallocation report are \$271,405 and not \$271,225. Please correct. The numbers should be changed to reflect Southwestern's preliminary analysis of the hydropower impacts.
  
9. DEA, Page 60, 4.0 ENVIRONMENTAL CONSEQUENCES, 4.8 SOCIOECONOMICS, 4.8.2 Lake Ouachita, Effects on Hydropower Generation, Paragraph 4. The Southwestern Power Administration rates should be updated to the October 2006 values which are 14.9 mills/kWh for on-peak energy, 8.2 mills/kWh for off-peak energy, and \$42.34/kW-year for capacity.



IN REPLY REFER TO:

## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

110 S. Amity Road, Suite 300

Conway, Arkansas 72032

Tel.: 501/513-4470 Fax: 501/513-4480

May 16, 2006

Patrick S. MacDanel  
Gulf Engineers & Consultants  
P.O. Box 84010  
Baton Rouge, LA 70884-4010

Dear Mr. MacDanel:

The U.S. Fish and Wildlife Service (Service) received an April 6, 2006 letter indicating that G.E.C., Inc. on behalf of your client, the Little Rock District, U.S. Army Corps of Engineers, has initiated the preparation of a Programmatic Environmental Assessment (EA) to evaluate the possible impacts of reallocating storage in Greers Ferry Lake in Cleburne and Van Buren County, Arkansas and Lake Ouachita in Garland and Montgomery County, Arkansas for water supply purposes. The Mid Arkansas Water Alliance (MAWA) is requesting that the Little Rock District conduct a Water Supply Storage Reallocation Study and EA to investigate reallocating 18,730 acre-feet of discretionary storage in Greers Ferry Lake and 33,303 acre-feet in Lake Ouachita to meet the water supply needs of central Arkansas through 2025. The Service previously commented to the Corp of Engineers on the preparation of the EA in a July 28, 2004 letter. Our office has reviewed the comments from our previous letter and the details of your letter and offers the following preliminary comments for your consideration in the development of an EA and in identifying all potential impacts. Additional comments may be provided on the draft EA.

The Service recognizes the future water supply problems for central Arkansas; however, water supply and water quality problems presently exist within many of the counties that surround these lakes. As one example, Searcy County is presently in a water crisis following the 2001 issuance of an Administrative Order to the Marshall Water System from the Arkansas Department of Health resulting from numerous violations of the Federal Safe Drinking Water Act. As a result the Searcy County Regional Water District is looking for an alternative water supply that will provide safe and sufficient water for the cities of Marshall and Leslie and the surrounding rural communities. One option being explored is reallocation of water from Greers Ferry Lake.

The Service is concerned that reallocating the remaining water storage to central Arkansas will eliminate Ouachita and Greers Ferry reservoirs as a water supply option for Searcy County and other counties within the localized regions. As a result, projects such as Bear Creek Dam will become increasingly necessary. The current and future water needs of local communities; the potential direct effects of additional dams such as Bear Creek on rivers like the Buffalo, Ouachita, and Saline Rivers; and the cumulative effects of additional demands on groundwater and watersheds that will likely result from this reallocation should be addressed and considered fully within the EA. Additionally, the potential environmental and economic costs of these projects should be considered in the economics assessment of this reallocation.

The Service appreciates the opportunity to comment and looks forward to further cooperation in development of the EA. If you have any additional questions or comments, please contact me at (501) 513-4489.

Sincerely,

Lindsey Lewis  
Environmental Coordinator

cc:

Arkansas Natural Heritage Commission, Little Rock, Arkansas  
Arkansas Natural Resources Commission, Little Rock, Arkansas  
Arkansas Game and Fish Commission, Little Rock, Arkansas  
Arkansas Department of Environmental Quality, Little Rock, Arkansas  
National Park Service, Buffalo National River, Harrison, Arkansas  
Environmental Protection Agency, Dallas, Texas

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IN REPLY REFER TO:

## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

1500 Museum Road, Suite 105

Conway, Arkansas 72032

Tel.: 501/513-4470 Fax: 501/513-4480

July 28, 2004

Colonel Wally Z. Walters  
c/o Mr. Jim Ellis, Environmental Section  
U.S. Army Corps of Engineers  
Post Office Box 867  
Little Rock, AR 72203-0867

Dear Colonel Walters:

The U.S. Fish and Wildlife Service (Service) received a June 16, 2004 letter from your staff indicating that the Little Rock District, U.S. Army Corps of Engineers has initiated the preparation of an Environmental Assessment (EA) to evaluate the possible impacts of reallocating storage in Greers Ferry Lake in Cleburne and Van Buren County, Arkansas and Lake Ouachita in Garland and Montgomery County, Arkansas for water supply purposes. The Mid Arkansas Water Alliance (MAWA) is requesting that the Little Rock District conduct a Water Supply Storage Reallocation Study and EA to investigate reallocating the remaining discretionary storage in Greers Ferry Lake (38,414 AF) and Lake Ouachita (43,485 AF). MAWA currently consists of at least twenty-four water utilities in eight counties within the central Arkansas area. Our office has reviewed the details in that letter and offers the following preliminary comments for your consideration in the development of an EA and in identifying all potential impacts.

The letter refers to a November 2002 study completed by the Little Rock District, at the request of water utilities in the central Arkansas area, that projected the current water supply available would not be sufficient to meet future demands within the region through 2050. One of several alternatives presented in the 2002 report included the reallocation of discretionary storage in Greers Ferry Lake and Lake Ouachita to resolve this problem.

The Service recognizes the future water supply problems for central Arkansas, however, water supply and water quality problems presently exist within many of the counties that surround these lakes. As one example, Searcy County is presently in a water crisis following the 2001 issuance of an Administrative Order to the Marshall Water System from the Arkansas Department of Health resulting from numerous violations of the Federal Safe Drinking Water Act. As a result the Searcy County Regional Water District is looking for an alternative water supply that will provide safe and sufficient water for the cities of Marshall and Leslie and the surrounding rural communities. One option being explored is reallocation of water from Greers Ferry Lake.

The House of Representatives passed the 2003 WRDA which states: "SEC. 4005 SEARCY COUNTY, ARKANSAS. The Secretary shall conduct a study to determine the feasibility of using Greers Ferry Lake as a water supply source for Searcy County, Arkansas." The bill is still pending before Senate Committee. Another alternative being considered by Searcy County is the construction of Bear Creek Dam on Bear Creek, a tributary of the Buffalo National River.

The Service is concerned that reallocating all of the remaining water storage to central Arkansas will eliminate Ouachita and Greers Ferry reservoirs as a water supply option for Searcy County and other counties within the localized region. As a result, projects such as Bear Creek Dam will become increasingly necessary. The potential direct effects of dams such as Bear Creek on rivers like the Buffalo

National River and the cumulative effects of additional demands on groundwater and watersheds that will likely result from this reallocation should be addressed and considered fully within the EA. Additionally, the potential environmental and economic costs of these projects should be considered in the economics assessment of this reallocation.

The Service appreciates the opportunity to comment and looks forward to further cooperation in development of the EA. If you have any additional questions or comments, please contact Lindsey Lewis at (501) 513-4489.

Sincerely,

Signed

Allan J. Mueller  
Field Supervisor

cc:

Arkansas Natural Heritage Commission, Little Rock, Arkansas  
Arkansas Soil and Water Conservation Commission, Little Rock, Arkansas  
Arkansas Game and Fish Commission, Little Rock, Arkansas  
Arkansas Department of Environmental Quality, Little Rock, Arkansas  
National Park Service, Buffalo National River, Harrison, Arkansas  
Environmental Protection Agency, Dallas, Texas

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IN REPLY REFER TO:

## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

110 S. Amity Road, Suite 300

Conway, Arkansas 72032

Tel.: 501/513-4470 Fax: 501/513-4480

September 19, 2006

Colonel Wally Z. Walters  
c/o Mr. Jim Ellis, Environmental Section  
U.S. Army Corps of Engineers  
Post Office Box 867  
Little Rock, AR 72203-0867

Dear Colonel Walters:

The U.S. Fish and Wildlife Service (Service) received the Draft Environmental Assessment (DEA) for the Water Supply Storage Reallocation Report for the Mid Arkansas Water Alliance (MAWA). The DEA and report evaluates the possible impacts of reallocating storage in Greers Ferry Lake in Cleburne and Van Buren County, Arkansas and Lake Ouachita in Garland and Montgomery County, Arkansas for water supply purposes. The Service previously commented to the Corp of Engineers and G.E.C., Inc. on the preparation of the DEA in July 28, 2004 and May 16, 2006 letters. Our office has reviewed the comments from our previous letters, the draft EA, and report and offers the following comments for your consideration.

The Service concurs that no threatened or endangered species in the vicinity of Greers Ferry Lake or Lake Ouachita would be impacted by changing the water levels since the lake levels would be relatively unchanged. Therefore, no further consultation regarding Section 7 of the Endangered Species Act is required.

We did not find our previous comments or references to in the DEA, nor were our concerns and recommendations addressed; therefore, we offer the comments again for your consideration. Please find the previous letters enclosed and include them with these comments for the record.

The Service recognizes the future water supply problems for central Arkansas; however, water supply and water quality problems presently exist and are increasing within many of the counties that surround these lakes. As one example the Fayetteville Shale Gas Play is currently being developed in north central Arkansas near Greers Ferry Lake. This natural gas deposit is believed to be extensive and will require substantial amounts for water for drilling and production. The local water suppliers and allocations may not be sufficient to supply future demand. If not, this would require alternative sources of water such as rivers, streams, ponds, reservoirs, and/or wells. Allocation of additional water from Greers Ferry Lake would be the preferred source; however, if most of the remaining storage is allocated to MAWA it would not be available. Under this scenario alternative sources would be affected through water withdrawal or construction of additional reservoirs. The Service believes that this and other potential scenarios where local communities around these reservoirs may require additional water allocations in then near future are likely to result and should be assessed within the Environmental Assessment (EA).

The Service is also concerned that reallocating most of the remaining water storage to central Arkansas will eliminate Ouachita and Greers Ferry reservoirs as a water supply option for other counties within the localized regions. As a result, reservoir construction projects will become increasingly necessary. The

current and future water needs of local communities; the potential direct effects of additional dams such on rivers like the Buffalo, Ouachita, and Saline Rivers; and the cumulative effects of additional demands on groundwater and watersheds that will likely result from this reallocation should be addressed and considered fully within the EA. Additionally, the potential environmental and economic costs of these projects should be considered in the economics assessment of this reallocation.

We appreciate the opportunity to comment and look forward to further cooperation in development of the EA. If you have any additional questions or comments, please contact me at (501) 513-4489.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lindsey Lewis', with a stylized flourish at the end.

Lindsey Lewis  
Environmental Coordinator

cc:

Arkansas Natural Heritage Commission, Little Rock, Arkansas  
Arkansas Natural Resources Commission, Little Rock, Arkansas  
Arkansas Game and Fish Commission, Little Rock, Arkansas  
Arkansas Department of Environmental Quality, Little Rock, Arkansas  
National Park Service, Buffalo National River, Harrison, Arkansas  
Environmental Protection Agency, Dallas, Texas

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# Southwestern Power Resources Association

P. O. Box 471827  
3840 S. 103 E. Ave., Ste. 117  
Tulsa, Oklahoma 74147  
918-622-7800  
FAX 918-622-8141

October 18, 2006

Mr. Jonathan Long  
Planning and Environmental Office  
Little Rock District  
U.S. Army Corps of Engineers  
P.O. Box 867  
Little Rock, AR 72203-0867

RE: Draft Reallocation Report and Draft Environmental Assessment for Greers Ferry and Ouachita Lakes

Dear Mr. Long:

On behalf of Southwestern Power Resources Association (SPRA), I respectfully submit the following comments concerning the above cited documents. SPRA represents the rural electric cooperatives and municipally owned electric utilities that purchase the energy and capacity generated at 24 Corps of Engineers multipurpose projects in this region, including both the Greers Ferry and Blakely Mountain (Lake Ouachita) projects. This energy and capacity is marketed to our membership by Southwestern Power Administration (SWPA), an agency of the U.S. Department of Energy.

**1. SPRA questions the immediate need for the storage sought.** The original Mid Arkansas Water Alliance (MAWA) request for municipal and industrial (M&I) water storage was based on a study that projected the combined water supply needs of the MAWA members through the year 2050. The MAWA request subsequently was reduced to 18,730 acre-feet (AF) of storage in Greers Ferry and 33,303 AF of storage in Ouachita Lakes, apparently in response to a subsequent study projecting the organization's water supply needs through the year 2025, cited in the draft reallocation report.

SPRA has no basis to question the MAWA water supply needs as projected in the draft report. However, we do question whether the requested storage represents the immediate needs of the MAWA members. Corps policy and regulations limit M&I water supply storage allocations to the demonstrated immediate needs of the utility or utilities seeking the storage. In practice, "immediate need" has generally been limited to the 10-year period following reallocation. However, the proposed storage reallocation is based on the projected water supply needs of the MAWA membership through the year 2025 -- about 20 years from now. The draft reallocation report and environmental assessment should be revised to reflect the water supply needs of MAWA's membership for the next 10 years, and the proposed storage reallocation in each

project should be recomputed to provide only the storage required to provide a dependable yield sufficient to meet this 10-year need. The data in the report seems to show that existing water supply sources in central Arkansas will be sufficient to meet MAWA's need during the next 10 years. If that is truly the case, any reallocation of storage is currently unnecessary and premature.

**2. SPRA disagrees with the Corps' estimates of both the amount and the value of hydro energy and capacity that will be lost due to the proposed reallocations.** For some time now, SPRA has challenged the method by which the Corps determines the amount of lost energy and capacity, as well as the replacement value/benefits foregone for the resources caused by storage reallocation. Consequently, rather than repeating at length arguments raised in previous proposed storage reallocations, SPRA incorporates by reference our previous arguments on this issue.

SPRA has neither the historic data nor the computer models necessary to calculate actual energy and capacity losses that will occur if the proposed reallocations are approved. However, we have reviewed the projections of energy and capacity losses computed by SWPA, and concur with their findings, which differ significantly from those in the draft Corps documents.

In computing hydropower revenues foregone, the Little Rock District (LRD) has incorporated SWPA rates that have since been superseded. The Department of Energy only recently implemented a new rate schedule for SWPA customers. The projected hydropower revenues in the draft reallocation report should be revised to reflect SWPA's latest rate schedule which reflects the 2006 revenue requirements.

**3. SPRA disagrees with limitations imposed on reimbursement of the power purpose for impacts attributable to the proposed reallocations.** This is another issue that arises almost every time a storage reallocation is proposed at a Corps project with dedicated power storage. The draft reallocation report proposes to reimburse the power purpose of the two projects on the basis of replacement costs for energy and capacity lost due to the proposed reallocations. The reallocation would not involve any actual cash transactions; rather, the repayment obligation of the power purpose would be reduced by the estimated replacement cost for the projected energy and capacity losses. However, this reimbursement would only continue through the year 2015. That was when Southwestern's last current contract with customers taking energy from the projects expired at the original writing of the draft report. Such contract now extends through the year 2021. After that point, LRD would limit reimbursement of the power purpose to hydropower revenues foregone.

SWPA's power supply contracts with its wholesale customers are generally for a 10-15 year term. These contracts impose certain terms and conditions on scheduling and delivery of energy (*e.g.*, the customer must take delivery of at least 60 kilowatt-hours of energy per kilowatt of their contracted capacity each month, but may not take more than 200 hours per month or 600 hours over a four-month period) and specify how the rates are to be determined and adjusted through the contract term. Although pricing and other certain terms may be changed from one contract to the next, the capacity promised each SWPA customer cannot be changed by contract. Capacity allocations were established as part of a formal public rulemaking carried out by SWPA in 1980.

This rulemaking established the capacity promised every SWPA customer. The 1980 final rulemaking states that so long as a SWPA customer maintains a contract with SWPA and meets its contractual obligation (*i.e.*, pays the SWPA billings on time, etc.) and remains preference-eligible as defined in Section 5 of the Flood Control Act of 1944, the customer is entitled to the capacity allocation established by SWPA at that time. Consequently, when a customer's current contract ends, the government's requirement to provide a given amount of electrical capacity to that customer does *not* end.

Because the government's obligation to provide a fixed amount of capacity extends beyond the term of SWPA's contracts with its customers, the power purpose should be reimbursed for benefits foregone/replacement costs of lost energy and capacity through the remaining useful life of the project, and the reallocation report should be revised accordingly.

**4. LRD has ignored or rejected workable alternatives to mitigate impacts on the power purpose attributable to the proposed reallocations.** Again, this is a recurrent issue in most storage reallocations at Corps projects with dedicated power pools. Although the proposed reallocations from the flood control pools of the projects would greatly reduce impacts on the power purpose, it would reduce the dependable yield of the power pool and thus reduce the energy and capacity available from the projects because LRD ignored several alternatives to mitigate these impacts.

a) Energy impacts.

- i. Limit Withdrawals from the Reallocated Storage. The Corps could limit MAWA's withdrawals at each project to the critical yield provided by the storage allocated to MAWA at that project. This alternative has the advantage of limiting energy losses from proposed reallocations to the amounts calculated by the Corps. Using Corps computer models, the impacts on hydropower of a proposed reallocation are projected based upon the critical yield of the proposed storage to be reallocated. In fact, in years other than extreme droughts, the new water supply customer is allowed to withdraw more than the critical yield of its storage. These larger withdrawals increase the impact on the power purpose. In these instances, compensation of the power purpose of the project – which is not adequate under the proposal set forth in the draft reallocation report – is shorted even more.
- ii. Correctly Model Withdrawals from the Reallocated Storage. As stated above, the water supply customer is allowed to withdraw more than the critical yield of their storage in every year other than the critical year. By correctly modeling the user's actual water supply usage, the negative impacts to hydropower could be more accurately calculated and hydropower compensated accordingly.

b) Capacity impacts.

- i. Maintain the Yield of the Power Pool. The Corps could reallocate sufficient storage from the flood pool to meet the needs of MAWA and at the same time maintain the dependable yield of all entities holding storage in the conservation pool – including the power pool. Indeed, the draft report provides such a process

(Dependable Yield Mitigation Storage, or DYMS) to maintain the dependable yield of all existing M&I water supply storage customers in the two projects. Supposedly, the Corps feels obligated to take such action for existing M&I water storage customers because they have a contract with the federal government. Please be aware that SWPA's customers served by the two projects also have contracts with the federal government that require the delivery of a minimum annual amount of energy. In addition, the federal government has an obligation under the aforementioned rulemaking to provide each of the customers a fixed amount of capacity. Power customers deserve treatment equal to that afforded the M&I water supply storage customers – both parties hold contracts with the federal government that are based on the dependable yield of the storage allocated to that particular purpose.

The terminology the Corps uses for DYMS for hydropower is Hydropower Protection Yield Operation, or HYPO. HYPO was included for hydropower in the White River Minimum Flow Study. The White River Minimum Flow Study Draft Environmental Impact Statement dated May 2006 states that "All plans that were identified as potentially implementable and have a flood pool storage reallocation will include DYMS for water supply users and HYPO for hydropower users." The Corps has the authority to provide such mitigation, and such authority should be exercised in this reallocation.

- ii. Operational Change – Seasonal Pool. LRD could incorporate a seasonal pool in the operation of the two projects to help offset energy losses associated with the proposed reallocations. In fact, Corps Headquarters previously advised and ER 1105-2-100 allows LRD to consider incorporating operational changes such as seasonal pools to mitigate losses to the power purpose.

The reallocation report should be revised to incorporate one of the energy alternatives and one or both of the capacity alternatives to minimize the impacts of the proposed reallocations on the power purpose.

**5. Action on the proposed reallocations should be delayed, pending action by a Corps Task Force addressing reallocation issues.** In August 2006, Corps Headquarters established an ad hoc task force to address and hopefully resolve recurring issues that arise when storage is reallocated at Corps projects with a dedicated power pool. SPRA helped Corps Headquarters pull together the Task Force, and actively participated in the group's first meeting held September 12, 2006, in Dallas, Texas. The Task Force is addressing the issues raised by SPRA in Comments 2 and 3 above in the instant reallocation proposal. Based upon the tenor of that first meeting, SPRA believes there is a real possibility that the affected stakeholders and the Corps will reach agreement on resolving these issues and establishing policies to address them in all future reallocation proposals and reports. Consequently, we urge the Corps to suspend action on the instant proposal and documents, give the Task Force sufficient time to resolve the issues, and incorporate the findings and conclusions of the Task Force in revising the instant documents.





Entergy Fossil Operations  
Lake Catherine/Hydro/Lynch  
141 West County Line Road  
Malvern, AR 72104  
Tel: 501-844-2148

HOP-06-471

September 19, 2006

U.S. Army Corps of Engineers  
Planning & Environmental Office  
Attn: Jonathan Long, P.E.  
P.O. Box 867  
Little Rock, AR 72203-0867

Subject: Comments on the Draft Water Supply Storage Reallocation Report for Greers Ferry Lake and Lake Ouachita, Draft Environmental Assessment, and Draft Finding of No Significant Impact

Dear Jonathan:

Entergy Arkansas, Inc. ("Entergy") is pleased to have this opportunity to comment on the document listed above. Provided that Entergy ratepayers are adequately compensated for lost hydro power production, Entergy strongly supports the reallocation request by Mid-Arkansas Water Alliance. We believe it represents an important step toward ensuring an adequate municipal water supply for the City of Hot Springs and Central Arkansas in the years to come. Entergy offers the following specific comments on the subject documents.


1. Item 4B, second paragraph, page 28 of the Draft Water Supply Storage Reallocation Report states, "...lost energy benefits are based on the loss in generation (both at-site and downstream) as a result of water being diverted from the reservoir ...". Entergy owns and operates two hydro-electric facilities, immediately downstream of Lake Ouachita. Carpenter and Rimmel Dams form Lakes Hamilton and Catherine, respectively (FERC Project No. 271). Any diversion of water from Lake Ouachita that creates a net decrease in water being discharged from the reservoir will directly reduce the amount of energy the Project 271 facilities will be able to produce. The draft Reallocation Report recognizes that downstream lost energy production is to be taken into account. Nevertheless, the Report contains no reference to or calculation of such losses to Project 271, nor does it identify the mechanism by which Entergy ratepayers will be compensated for lost energy benefits. Entergy believes that reimbursement of such economic loss is required and asks that downstream lost energy benefits to Project 271 be reviewed and incorporated into the report.
2. Entergy is a public utility regulated by the Arkansas Public Service Commission and must protect the interests of its customers. Entergy's customers would be impacted by the diversion of water from Lake Ouachita generally as follows:

- a. Hydropower production lost due to the diversion would have to be replaced with energy purchased from the wholesale market or from other higher-cost Entergy generation resources. The cost of this energy changes daily and seasonally.
  - b. Because Entergy operates the hydroelectric facilities as peak demand production facilities, this replacement of lost energy production due to water diversion would occur at the most expensive time of day and season.
  - c. Entergy's customers would be directly impacted because they would pay for this increased cost of energy.
  - d. Entergy has performed similar calculations of lost energy benefits arising from municipal water withdrawals from Lake Hamilton by the City of Hot Springs. Entergy currently uses a public domain report of energy pricing to determine the appropriate price of energy to charge the City of Hot Springs for lost energy based on the City's actual withdrawals from Lake Hamilton. A similar method could be employed to calculate the downstream lost energy benefits due to withdrawals from Lake Ouachita.
3. Entergy supports the concept of withdrawal of water from these lakes for the purpose of public water supply, with resulting compensation to our ratepayers.
  4. Entergy supports the reallocation of the flood pool to the conservation pool to accommodate the proposed water supply withdrawal.
  5. Entergy recognizes that the continued growth and prosperity of our community is dependant upon an adequate and dependable source of quality drinking water.

In summary, Entergy strongly supports the reallocation request of the Mid-Arkansas Water Alliance, provided that Entergy's customers are adequately compensated for lost hydropower production from our FERC Project 271.

Please feel free to contact Mr. Ted Smethers at [tsmeth@entergy.com](mailto:tsmeth@entergy.com) or 501-844-2162 if we can be of assistance in providing data or other information as you work toward a resolution of the downstream lost energy benefits issue.

Sincerely,



W. Henry Jones  
Manager, Hydro Operations

File 7418.0012

cc: David Beekman      A-TCBY-24B

Dan Daugherty	A-TCBY-24C
Wayne Garrison	A-TCBY-25A
Janan Honeysuckle	A-TCBY-27A
Hugh McDonald	A-TCBY-40A
Bobby Pharr	A-LCAT-Off
Tucker Raney	A-TCBY-27A
Ted Smethers	A-LCAT-Off
Don Cochran	City of Hot Springs Utilities

# Arkansas Wildlife Federation

9700 Rodney Parham Rd. Suite I-2, Little Rock, AR 72227-Telephone (501)224-9200 Fax: (501)224-9214

“Your voice for hunting, fishing and conservation since 1936”

---



August 29, 2006

Jim Wood  
Water Committee  
AR Wildlife Federation  
56 Delaware Bay Road  
Dardanelle, AR 72834

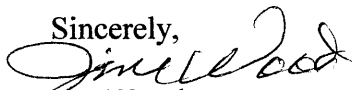
Jonathan Long  
Planning & Environmental Office  
US Army Corps of Engineers  
PO Box 867  
Little Rock, AR 72203-0867

Dear Jonathan,

I am contacting you in regard to Corps of Engineer solicitation of public comment on a Draft Environmental Assessment, Draft Finding of No Significant Impact and the Draft Water Supply Storage Reallocation Report, Release # 62-06, for a Proposed Water Supply for Mid-Arkansas Water Alliance.

We would appreciate it if you could provide AR Wildlife Federation with a printed hard copy of these three documents. Please send to AR Wildlife Federation  
9700 Rodney Parham Road, Suite I-2  
Little Rock, AR 72227

Sincerely,

  
Jim Wood  
Water Committee

cc file

To: Planning & environmental Office  
Little Rock Engineer District  
P.O. Box 867  
Little rock, AR 72203-0867

From: Rev. Thomas M. Sayre  
107 Barbara Circle  
Fairfield Bay, AR 72088

Date: September 18, 2996

Dear Sirs:

I am writing with regards to the proposed Water Supply for Mid Arkansas Water Alliance from Greers Lake.

I have read the Greers Ferry Lake section of the US Army Corps, Water Supply Storage Reallocation Report and addressing my comments to that portion of the report only.

I can fully understand the impact that central Arkansas is under due to the low water tables from both the Arkansas and Mississippi ground water aquifer systems. I cannot deny that a solution to the present situation must be sought. However, I do not believe the present Greers Ferry Lake proposal is the answer to the problem. Let me explain.

As stated in the report, in order to draw the additional 15 Million gallons per day from Greers Ferry Lake the present draw-down required for power generation will have to be limited to a greater degree. Also, as stated the power required just replace the power not generated could and would be obtained from alternate sources. This being the case it is very likely that that power would come from fossil fuel generators which, in my opinion, **would very likely cause an increase in the cost of power to many communities.**

A second impact to the reduced generation would be the impact on the tail-water trout fishery in the Little Red River. This impact could/would result due to an increased water temperature and a reduced amount of dissolved oxygen in the water due to the decreased flow in the river. **Sustained water temperatures less than 65 degrees and dissolved oxygen levels of a minimum of 6PPM are required to support trout life in a cold water fishery.** Temperature and oxygen requirements outside these levels would be detrimental. I believe the Corps is already aware of this with the present conditions in the Norfolk River.

The Little Red River is among the top trout fisheries in the nation. It draws hundreds of out of state fisherman annually. I do not believe it would be inaccurate to say the fishery draws in the low hundreds of thousands of dollars to the communities along the river where the trout fishery exists. Heber Springs being the largest. ,

Should this fishery be severely impacted, it is possible that **Heber Springs could experience a substantial loss of income just from tourists** coming to the area to fish the famous Little Red River. A second loss would be realized to the state of Arkansas in the sale of non-resident fishing license fees.

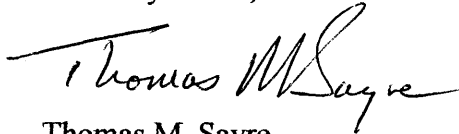
Should the proposal be adopted **do the figures presented for draw down include minimum flow requirements to sustain trout life in the Little Red River?**

If I remember correctly, it was stated that an Environmental Impact Statement would not be required. If I am correct that the subjects mentioned could be areas of economic loss, and should the proposal be adopted, do they not affect the present environment of the area?

I know the Engineers at the Corps are doing all they can to try to satisfy many groups of people that have different agendas. All I am asking is that these areas, I mention, continue to hold a high priority in the Corps research.

Thank you for taking my comments.

Sincerely Yours,

A handwritten signature in cursive script that reads "Thomas M. Sayre". The signature is written in black ink and is positioned to the left of the printed name.

Thomas M. Sayre

10-406

To whom it may concern:

You have the Ark. river  
to get your water from  
and Green Ferry is  
already servicing  
too many other  
towns as it is.  
We can't bear to  
have any more people  
taking our water  
from the area -

Irish Walle  
Bee Branch, Ark

CALVIN ALLEY  
2718 INDEPENDENCE  
FORT SMITH, AR 72901

October 22, 2006

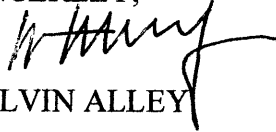
ARMY CORPS OF ENGINEERS

RE; LAKE OUACHITA & MID ARK WATER ALLIANCE

I HAVE BEEN UNABLE TO LAUNCH MY BOAT FOR THE SECOND STRAIGHT  
AUTUMN. HOTELS AND RECREATION AREAS ARE EMPTY. THE LOCAL  
POPULATION THAT DEPENDS ON TOURISM IS HURTING.

**PLEASE DO NOT ALLOW WATER TO BE DRAWN FROM LAKE  
OUACHITA!**

SINCERELY,

A handwritten signature in black ink, appearing to read 'Calvin Alley', written over the printed name.

CALVIN ALLEY



CALVIN ALLEY  
2718 INDEPENDENCE  
FORT SMITH, AR 72901

October 22, 2006

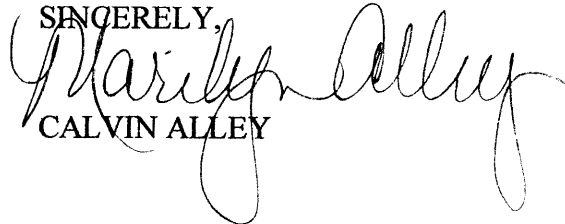
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**PLEASE DO NOT ALLOW WATER TO BE DRAWN FROM LAKE  
OUACHITA!**

SINCERELY,

A handwritten signature in cursive script that reads "Calvin Alley". The signature is written in black ink and is positioned to the right of the typed name "CALVIN ALLEY".

CALVIN ALLEY

PLANNING & ENVIRONMENTAL OFFICE  
LITTLE ROCK ENGINEER DISTRICT  
P.O. BOX 867  
LITTLE ROCK, AR 72203-0867

Robert R & Lynne A Wilson  
24 Polly Rd  
Heber Springs, AR 72543  
501-728-4062

Planning & Environmental Office  
PO Box 867  
Little Rock AR 72203-0867

Dear Sirs:

This letter is my request for you to contact the City of Oroville California to ask about their experience with selling water to other water districts lower down in the state. Once the commitment is made the amount of water within your storage area is not a concern for the people who have a legal contract for a certain amount of water from your storage area.

The City of Oroville and the surrounding area was promised a continued flow of revenue from the tourist enjoying the year round water sports in Lake Oroville. There have been times during drought periods where there wasn't enough water to put your boat in the water. It was so low that trees which had been more than 30 to 40 feet under the water were then at the surface and a hazard for boaters.

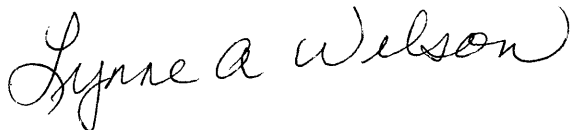
The boat docks and fishing businesses on the water were in serious jeopardy of loosing their businesses due to the lack of water and customers. Also, when the water gets low the soil has a clay base and gives off a bad smell from items which had been in the water before the water level went so low.

In the Sun Times 8-30-06 issue there is an article which is headed: Corps seeks comments on proposed water alliance and the article goes on to explain the proposal is for reallocation of storage in Greer's Ferry and Ouachita lakes to provide additional water supply for 27 utilities in central Arkansas. The problem with being the top on the totem pole is that everyone below wants what you have. Water is going to turn out to be one of the most precious commodities in Arkansas as the state continues to grow. Unless the stipulations and constraints are put into place now there is a strong possibility that Arkansas and the people in it will experience the same results as those in California experienced.

I highly recommend that you do not make another commitment on the water storage in Greer's Ferry because as you saw last year with drought the lake already goes very low and affects the water activities, businesses in the area, and the general use of the lake.

Thank you for your help in this matter.

Respectfully yours,

A handwritten signature in cursive script that reads "Lynne A Wilson".

Lynne A Wilson  
CC: file

September 18, 2006

1310 Lakeshore Dr  
Heber Springs, AR 72543-1806

P & E Office  
Little Rock Engineer District  
P.O. Box 867  
Little Rock, AR 72203-0867

Dear Sir,

Ref: Mid Arkansas Water Alliance

I'm concerned that the quantity and rate of draw of water from Greer's Ferry Lake will have an adverse effect on the lake environment.

I just can't believe the numbers I hear that show this allocation and rate of draw will not affect the lake.

I don't have enough info to make a detailed analysis of this new proposal. How much has been allotted already, how much is available and the rate of draw.

There has to be a draw limit for times when there is a shortage so all users have to share the less water available.

Greer's Ferry lake has grown a community. Don't destroy the community now by reducing what brought us here

I plan to review the documents this week and may make additional comments

Yours truly,

Donald B. Crane Jr.

September 19, 2006

U.S. Army Corps of Engineers  
Little Rock District  
Planning and Environmental Office  
P.O. Box 867  
Little Rock, AR 72203

Planning and Environmental Manager;

Please add my following comments to the official record of the draft Water Supply Storage Reallocation Report being considered with the Mid-Arkansas Water Alliance for water stored in Lake Ouachita and Greers Ferry Lake; along with any other associated projects.

My Comments:

Water is the basis of life and I applaud you for the care and management of it. Also, planning for the future is vital and this is a logical step. However, I caution the Corps to give hard thought to all the powers you are giving this group and ensure there is a fairness to all peoples of the region for the availability and cost of this resource.

Specifically, Garland County residents have seen water (and waste water) used a political and financial pawn, over which we have no control.

A few years ago, the area around Lake Hamilton was issued an EPA order not to have septic systems, the US government paid for sewer placement, the city of Hot Springs accepted the area into its service area, AND, you must have city water for the sewer service. We are now locked together.

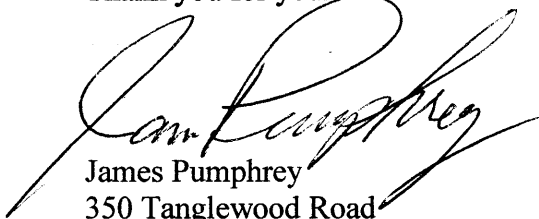
At some point the City started accessing the County residents a 25% surcharge for water. Last year, the City increased County wastewater fees another 58% over the inflated water fees. All this has happened without regard to the actual cost of providing services, only based and defined by political boundaries. In our case, County residents have no voice, no voting power, no alternatives but to pay whatever is mandated by the City.

My point is, please add requirements in any water agreement that end user cost variances (across any given water system) must be based on the actual cost of providing services in different areas of that system and not based on the political whim of the controlling authorities.

The water belongs to all of us and the Corps collects and maintains the water with federal money. Please ensure all residents have fair access to our water and anyone having control down stream from your allocation is required to justify end user cost variances (within a given system) back to the Corps, if petitioned by user groups for a rate difference review.

I am not asking you to be a rate setting commission but to ensure fairness within a water system by giving yourselves the contractual authority (if the water system accepts your - our- water) to intervene on behalf of users who now have no voice in a system that is becoming more and more vital.

Thank you for your time and interest.



James Pumphrey  
350 Tanglewood Road  
Hot Springs, AR 71913

October 7, 2006

From: Edward Phillips, 600 Pleasant Ridge Rd., Greers Ferry, AR 72067

To: U.S. Army Corp of Engineers, Planning & Environmental Office, Little Rock Engineer District,  
P.O. Box 867, Little Rock, AR 72203-0867

Subject: Proposed reallocation of water for the Mid Arkansas Water Alliance

Dear Sir, or Madam;

The proposed water allocation for Greers Ferry and Ouachita lakes will result in increased draw-down that will amplify existing problems and probably create more serious problems in years to come.

There are four large demands that are competing against each other for stored water in these reservoir lakes: electric power generation, community water needs, natural evaporation and recreational activities. All of these demands create income and employment for the private sector as well as for the Corps. The demands are there, no matter if the supply is reliable or not. Lately, the supply (rainfall) has been inadequate to replace the water consumed and the water level has dropped significantly.

I cannot address the impact of low water levels at Ouachita Lake; however, I have personally observed the impact at Greers Ferry Lake. Last year the water level dropped over 10 feet below normal pool and nearly all boat launching ramps were rendered useless. The water level was so low at some marinas that stored boats were trapped and many floating docks were on solid ground. Many new hazards were exposed for those few that were able to get watercraft launched. The effect upon the local economy was negative. This year, the water level consistently dropped, but not as quickly nor as much as last year. The effect remained negative, but not as severe as last year.

I suspect that the proposed reallocation of water for the MAWA will only serve to make existing problems much worse.

Sincerely,







# **Agency/Organization Support Letters**



United States Department of Agriculture



Natural Resources Conservation Service  
Room 3416, Federal Building  
700 West Capitol Avenue  
Little Rock, Arkansas 72201-3225

---

Mr. Jim Ellis  
Department of the Army  
Little Rock District Corps of Engineers  
Post Office Box 867  
Little Rock, Arkansas 72203-0867

Dear Mr. Ellis:

The Natural Resources Conservation Service has no additional comments of the findings of the Draft Environmental Assessment (DEA) for the Water Supply Storage Reallocation Report for the Mid Arkansas Water Alliance. No prime farmland or farmland of statewide importance will be affected by the increase in storage of Greers Ferry Lake or Lake Ouachita.

Should you have any questions or need additional information, please call me at (501) 301-3172.

Sincerely,

A handwritten signature in cursive script that reads "Edgar Mersiofsky".

EDGAR P. MERSIOFSKY  
Assistant State Soil Scientist



# Arkansas Game and Fish Commission

2 Natural Resources Drive Little Rock, Arkansas 72205

Scott Henderson  
Director

Mike Gibson  
Deputy Director



David Goad  
Deputy Director

Loren Hitchcock  
Deputy Director

September 21, 2006

Mr. Jim Ellis  
Little Rock District Corps of Engineers  
P.O. Box 867  
Little Rock, Arkansas 72203-0867

Dear Mr. Ellis:

Your letter regarding a Draft Environmental Assessment for the Water Supply Reallocation for the Mid Arkansas Water Alliance pertaining to Greers Ferry and Ouachita Lakes that are located in Arkansas has been referred to me for reply.

Biologists from our agency have reviewed the proposed project and we anticipate insignificant adverse impacts to fish and wildlife resources associated with these proposed activities. However, Ouachita Lake currently has a significant amount of aquatic vegetation and this proposal may increase this vegetation, due to increase in shallow water, which could interfere with your water withdrawals. With this in mind, we would like to see the Water Alliance assist our agency with vegetation monitoring.

If our agency can be of further assistance with the proposed project, don't hesitate to call us. We appreciate the opportunity to review this project proposal.

Sincerely,

A handwritten signature in black ink that reads "Robert K. Leonard".

Robert K. Leonard, Biologist  
River Basins Division

Cc: Doyle Shook  
Mike Armstrong  
Carl Perrin  
Stuart Wooldridge  
USFWS, Conway Office

Phone: 501-223-6300 Fax: 501-223-6448 Website: [www.agfc.com](http://www.agfc.com)

The mission of the Arkansas Game and Fish Commission is to wisely manage all the fish and wildlife resources of Arkansas while providing maximum enjoyment for the people.



STATE OF ARKANSAS  
**Department of Finance  
and Administration**

**OFFICE OF INTERGOVERNMENTAL SERVICES**

1515 West Seventh Street, Suite 417  
Post Office Box 8031  
Little Rock, Arkansas 72203-8031  
Phone: (501) 682-1074  
Fax: (501) 682-5206  
<http://www.state.ar.us/dfa>

September 20, 2006

Regulatory Branch  
Little Rock District Corps of Engineers  
PO Box 867  
Little Rock, AR 72203-0867

RE: Draft Environmental Assessment – MID-ARKANSAS WATER ALLIANCE – Water  
Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita,  
Arkansas.

Dear Regulatory Branch:

The State Clearinghouse has received the above document pursuant to the  
Arkansas Project Notification and Review System.

To carry out the review and comment process, this document was forwarded to  
members of the Arkansas Technical Review Committee. Resulting comments received  
from the Technical Review Committee which represents the position of the State of  
Arkansas are attached.

The State Clearinghouse wishes to thank you for your cooperation with the  
Arkansas Project Notification and Review System.

Sincerely,

A handwritten signature in black ink, appearing to read "Tracy L. Copeland".

Tracy L. Copeland, Manager  
State Clearinghouse

TLC/th  
Enclosure  
CC: Randy Young, ANRC



# Arkansas Natural Resources Commission



J. Randy Young, PE  
Executive Director

101 East Capitol, Suite 350  
Little Rock, Arkansas 72201  
<http://www.anrc.arkansas.gov/>

Phone: (501) 682-1611  
Fax: (501) 682-3991  
E-mail: [anrc@arkansas.gov](mailto:anrc@arkansas.gov)

Mike Huckabee  
Governor

## MEMORANDUM

TO: Mr. Tracy Copeland, Manager  
State Clearinghouse

FROM: Mr. J. Randy Young, P.E., Chairman  
Technical Review Committee

SUBJECT: Draft Environmental Assessment  
MID-ARKANSAS WATER ALLIANCE  
Water Supply Storage Reallocation  
Greers Ferry Lake, Arkansas  
Lake Ouachita, Arkansas

DATE: September 19, 2006



Members of the Technical Review Committee have reviewed the above referenced project; based on the findings in the storage reallocation report, it is proposed that 18,730 acre-feet of storage in Greers Ferry Lake be reallocated from flood control storage to water supply storage to satisfy the municipal and industrial water supply needs of the Mid-Arkansas Water Alliance. Of that total, 174.0 acre-feet of storage represents dependable yield mitigation storage required to provide constant yields for existing users. The proposed storage reallocation will change the Greers Ferry Lake project by raising the conservation pool by 0.6 feet. This reallocation would provide a safe yield of 15.0 mgd. Mid-Arkansas Water Alliance will be required to pay to the Government a pro-rata share of the updated cost of the storage for this storage in accordance with the Water Supply Act of 1958, as amended. Additionally, it is proposed that 33,303 acre-feet of storage in Lake Ouachita be reallocated from flood control to water supply storage to satisfy the municipal and industrial water supply needs of the Mid-Arkansas Water Alliance. Of that total, 122.0 acre-feet of storage represents dependable yield mitigation storage required to provide constant yields for existing users. The proposed storage reallocation will change the Lake Ouachita project by raising the conservation pool by 0.82 feet. This reallocation would provide a safe yield of 20.0 mgd. Mid-Arkansas Water Alliance will be required for this storage in accordance with the Water Supply Act of 1958, as amended. As part of this proposed action for Lake Ouachita a new water intake structure, pump station and

An Equal Opportunity Employer

pipeline will be built on Lake Ouachita to serve the City of Hot Springs, Arkansas. The new intake structure is proposed to be built on the lake and a new raw water pipeline will connect to the Ouachita Water Treatment Facility northwest of the City of Hot Springs. The design of the intake structure, pump station and pipeline is being performed by Garver Engineers, LLC.

The Committee supports the proposed reallocation from flood control storage to water supply storage to satisfy M & I Water Supply needs from Greers Ferry Lake and Lake Ouachita. Agency comments are included for your review.

The opportunity to comment is appreciated.

JRY/ddavis

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STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

1515 West Seventh Street, Suite 412
Post Office Box 8031
Little Rock, Arkansas 72203-8031
Phone: (501) 682-1074
Fax: (501) 682-5206
http://www.state.ar.us/dfa

MEMORANDUM

TO: All Technical Review Committee Members
FROM: Tracy L. Copeland, Manager - State Clearinghouse
DATE: August 28, 2006
SUBJECT: Draft Environmental Assessment- MID-ARKANSAS WATER ALLIANCE-Water Supply Storage Reallocation, Greens Ferry Lake, Arkansas, Lake Ouachita, Arkansas

Please review the above stated document under provisions of Section 404 of the Clean Water Act, Section 102(2) of the National Environmental Policy Act of 1969 and the Arkansas Project Notification and Review System.

Your comments should be returned by September 12, 2006 to - Mr. Randy Young, Chairman, Technical Review Committee, 101 E. Capitol, Suite 350, Little Rock, AR 72203.

If you have no reply within that time we will assume you have no comments and will proceed with the sign-off.

NOTE: It is imperative that your response be in to the ASWCC office by the date requested. Should your Agency anticipate having a response which will be delayed beyond the stated deadline for comments, please contact Ms. Debby Davis of the ASWCC at (501) 682-1611 or the State Clearinghouse Office.

Support [checked] Do Not Support (Comments Attached)
Comments Attached
No Comments [checked] Support with Following Conditions
Non-Degradation Certification Issues (Applies to ADEQ Only)

Blank lines for additional information or comments.

Name(print) Robert Agency ANRC Date 9-14-06
Telephone Number





STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

1515 West Seventh Street, Suite 412
Post Office Box 8031
Little Rock, Arkansas 72203-8031
Phone: (501) 682-1074
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Support Do Not Support (Comments Attached)
Comments Attached Support with Following Conditions
X No Comments Non-Degradation Certification Issues (Applies to ADEQ Only)

Name(print) Keith Brown Agency ADEQ Date 8-29-06
Telephone Number 682-0653



STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

1515 West Seventh Street, Suite 412
Post Office Box 8031
Little Rock, Arkansas 72203-8031
Phone: (501) 682-1074
Fax: (501) 682-5206
http://www.state.ar.us/dfa

MEMORANDUM

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FROM: Tracy L. Copeland, Manager - State Clearinghouse
DATE: August 28, 2006
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Support Do Not Support (Comments Attached)
Comments Attached Support with Following Conditions
No Comments Non-Degradation Certification Issues (Applies to ADEQ Only)

Name(print) George Pinkhart Agency AFC Date 8-31-06
Telephone Number



STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

# Department of Finance and Administration

1515 West Seventh Street, Suite 412  
Post Office Box 8031  
Little Rock, Arkansas 72203-8031  
Phone: (501) 682-1074  
Fax: (501) 682-5206  
<http://www.state.ar.us/dfa>

## MEMORANDUM

TO: All Technical Review Committee Members

FROM: Tracy L. Copeland, <sup>TLC</sup> Manager - State Clearinghouse

DATE: August 28, 2006

SUBJECT: Draft Environmental Assessment- MID-ARKANSAS WATER ALLIANCE-Water Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita, Arkansas

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Your comments should be returned by September 12, 2006 to - Mr. Randy Young, Chairman, Technical Review Committee, 101 E. Capitol, Suite 350, Little Rock, AR 72203.

**If you have no reply within that time we will assume you have no comments and will proceed with the sign-off.**

NOTE: It is imperative that your response be in to the ASWCC office by the date requested. Should your Agency anticipate having a response which will be delayed beyond the stated deadline for comments, please contact Ms. Debby Davis of the ASWCC at (501) 682-1611 or the State Clearinghouse Office.

- |   |   |
|---|---|
| <input type="checkbox"/> Support                | <input type="checkbox"/> Do Not Support (Comments Attached)                             |
| <input type="checkbox"/> Comments Attached      | <input type="checkbox"/> Support with Following Conditions                              |
| <input checked="" type="checkbox"/> No Comments | <input type="checkbox"/> Non-Degradation Certification Issues<br>(Applies to ADEQ Only) |

Name(print) Steve Jones Agency ADEQ Date 9-1-06  
 Telephone Number 501-682-7311



STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

1515 West Seventh Street, Suite 412
Post Office Box 8031
Little Rock, Arkansas 72203-8031
Phone: (501) 682-1074
Fax: (501) 682-5206
http://www.state.ar.us/dfa

MEMORANDUM

TO: All Technical Review Committee Members
FROM: Tracy L. Copeland, Manager - State Clearinghouse
DATE: August 28, 2006
SUBJECT: Draft Environmental Assessment- MID-ARKANSAS WATER ALLIANCE-Water Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita, Arkansas

Please review the above stated document under provisions of Section 404 of the Clean Water Act, Section 102(2) of the National Environmental Policy Act of 1969 and the Arkansas Project Notification and Review System.

Your comments should be returned by September 12, 2006 to - Mr. Randy Young, Chairman, Technical Review Committee, 101 E. Capitol, Suite 350, Little Rock, AR 72203.

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Support Do Not Support (Comments Attached)
Comments Attached Support with Following Conditions
No Comments Non-Degradation Certification Issues (Applies to ADEQ Only)

Name(print) William Prior Agency AOC Date
Telephone Number



# Arkansas GEOLOGICAL COMMISSION

VARDELLE PARHAM GEOLOGY CENTER • 3815 WEST ROOSEVELT ROAD • LITTLE ROCK, ARKANSAS 72204

Mike Huckabee  
Governor  
Bekki White  
Director and State Geologist

September 5, 2006

Mr. Randy Young  
Chairman, Technical Review Committee  
101 E. Capitol, Suite 350  
Little Rock, Arkansas 72203

Dear Mr. Young:

This letter is a response to your request for comments on the proposed water supply reallocations for lakes Ouachita and Greers Ferry. The reallocation would provide more water for the Mid-Arkansas Water Alliance. The only comment I have is that I agree that this recommended plan is the best solution with the least environmental impact.

Sincerely,

A handwritten signature in cursive script that reads "William Lee Prior".

William Lee Prior  
Geologist Supervisor

PHONE: (501) 296-1877; FAX: (501) 663-7360  
agc@arkansas.gov  
www.state.ar.us/agc/agc.htm  
An equal opportunity employer



STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

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Form with checkboxes for Support, Do Not Support, Comments Attached, Support with Following Conditions, No Comments, Non-Degradation Certification Issues.

Name (print) HANNA SHERT Agency Date 08-31-06

Telephone Number 501-661-2623 ENGINEERING SECTION
DIVISION OF HEALTH - SLOT H37
AR DEPT. OF HEALTH & HUMAN SERVICES
P.O. BOX 1437
LITTLE ROCK, AR 72203-1437

*Adrian*



STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

**Department of Finance and Administration**

1515 West Seventh Street, Suite 412  
Post Office Box 8031  
Little Rock, Arkansas 72203-8031  
Phone: (501) 682-1074  
Fax: (501) 682-5206  
<http://www.state.ar.us/dfa>

**MEMORANDUM**

TO: All Technical Review Committee Members  
FROM: Tracy L. Copeland, <sup>TLC</sup> Manager - State Clearinghouse  
DATE: August 28, 2006  
SUBJECT: Draft Environmental Assessment- MID-ARKANSAS WATER ALLIANCE-Water Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita, Arkansas

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- Support
- Do Not Support (Comments Attached)
- Comments Attached
- Support with Following Conditions
- No Comments
- Non-Degradation Certification Issues (Applies to ADEQ Only)

Name (print) Harold Siefert ENGINEERING SECTION Date 07-06-06  
Telephone Number 501-661-2623 DIVISION OF HEALTH - SLOT H37  
AR DEPT. OF HEALTH & HUMAN SERVICES

P.O. BOX 1437  
LITTLE ROCK, AR 72203-1437

RECEIVED  
AUG 30 PM 11:05  
DIVISION OF ENGINEERING  
AR DEPT. OF HEALTH & HUMAN SERVICES



STATE OF ARKANSAS

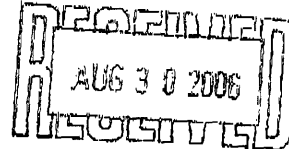
OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

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Post Office Box 8031
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- Support
Do Not Support (Comments Attached)
Comments Attached
Support with Following Conditions
No Comments
Non-Degradation Certification Issues (Applies to ADEQ Only)

RECEIVED
06 SEP 14 AM 10:59
NATURAL RESOURCES COMMISSION

Name(print) Keith Brown Agency ADEQ Date 9/1/06
Telephone Number 682-0653





HARRIS

STATE OF ARKANSAS

OFFICE OF INTERGOVERNMENTAL SERVICES

Department of Finance and Administration

1515 West Seventh Street, Suite 412
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Little Rock, Arkansas 72203-8031
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SUBJECT: Draft Environmental Assessment- MID-ARKANSAS WATER ALLIANCE-Water Supply Storage Reallocation, Greers Ferry Lake, Arkansas, Lake Ouachita, Arkansas

RECEIVED
AHTD

AUG 29 2006

ENVIRONMENTAL
DIVISION

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- Support
Do Not Support (Comments Attached)
Comments Attached
Support with Following Conditions
No Comments
Non-Degradation Certification Issues (Applies to ADEQ Only)

RECEIVED
SEP 11 2006

Name(print) John L. Harris Agency AHTD Date 9/1/06
Telephone Number (501) 569-2281

**Ellis, Jim D SWL**

**From:** Cassat, Dick [DC@adeq.state.ar.us]  
**Sent:** Tuesday, September 05, 2006 2:25 PM  
**To:** Ellis, Jim D SWL  
**Subject:** Water Supply Storage Reallocation Report

Jim,

I have reviewed the document and have no substantial environmental comments. I did, however, notice a couple of mistakes. The chart on page 50 discussing air standards has the wrong standards for ozone and PM2.5. Ozone is now compared to an 8 hour standard of 0.085 ppm. The PM2.5 is compared to an annual mean of 15 ug/m3. I would also add to the discussion on that page that silvicultural burning is a major factor for air quality. The only real particulate problems we have monitored has been the "controlled" burns.

Thanks

Dick Cassat  
AR Dept Environmental Quality  
501-682-0937

**Ellis, Jim D SWL**

---

**From:** Peckham.Jeanene@epamail.epa.gov  
**Sent:** Monday, September 11, 2006 2:54 PM  
**To:** Ellis, Jim D SWL  
**Cc:** Parrish.Sharon@epamail.epa.gov  
**Subject:** Draft EA for Water Supply Storage Reallocation, Greers Ferry Lake and Lake Ouachita, AR

Mr. Ellis:

The Environmental Protection Agency has reviewed the draft environmental assessment noted above.

We concur with the finding that the anticipated environmental impacts will not be significant and that an environmental impact statement is not needed.

Jeanene Peckham  
ph. 214-665-6411  
fx. 214-665-6689  
EPA 6WQ-EM



# ARKANSAS FORESTRY COMMISSION

3821 West Roosevelt Road Little Rock, Arkansas 72204-6396  
(501) 296-1940 fax: (501) 296-1949

John T. Shannon, R.F.  
State Forester

**August 28, 2006**

**Jim D. Ellis  
U.S. Army Corps of Engineers  
Little Rock District, Planning Branch  
P. O. Box 867  
Little Rock, Ar 72203-0867**

**RE: Draft Environmental Assessment (DEA for the Water Supply Storage Reallocation Report  
for the Mid Arkansas Water Alliance.**

**Dear Jim Ellis,**

**The above project should have no adverse impacts on the forest resources of this area.**

**If we can be of service, please contact us at any time.**

**Sincerely,**

A handwritten signature in black ink, appearing to read "George Rheinhardt", is written over a faint, larger version of the signature.

**George Rheinhardt  
Assistant State Forester  
Resource Management**

# **City/Municipality Support Letters**



C O M M U N I T Y  W A T E R S Y S T E M

August 23, 2006

Mr. Jonathon Long, P.E.  
U.S. Army Corps of Engineers  
PO Box 867  
Little Rock, AR 72203

Re: Support for Reallocation Request of Greers Ferry and Ouachita Lakes

Dear Mr. Long:

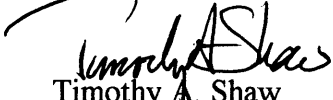
I am writing to inform you that Community Water System's (CWS) Board of Directors unanimously passed a resolution in support of the United States Army Corps of Engineers' proposed reallocation of storage in Greers Ferry and Ouachita lakes to provide additional water supply for 27 utilities in central Arkansas.

In response to that board action, I have sent copies of that resolution along with a cover letter to the following Arkansas Congressional Delegation:

Senator Blanche Lincoln  
Senator Mark Pryor  
Congressman Berry  
Congressman Snyder  
Congressman Boozman  
Congressman Ross

Please find enclosed a copy of the resolution from the CWS Board of Directors.

Sincerely,

  
Timothy A. Shaw  
General Manager

P.O. Box 233  
Higden, AR 72067

299 Lakeshore Drive  
Greers Ferry, AR 72067  
(501)-825-7294  
(800) 234-2971  
Fax (501) 825-7683

[www.cswater.org](http://www.cswater.org)

**Resolution of  
Community Water System Public Water Authority of the State of  
Arkansas in Support of the MAWA Reallocation Request  
#1082006**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

**WHEREAS**, Community Water System is a member in good standing of the Mid-Arkansas Water Alliance, and

**WHEREAS**, Community Water System serves 6,040 retail customers and 9 wholesale Customers in Faulkner, Cleburne, Van Buren and Stone Counties, Arkansas and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

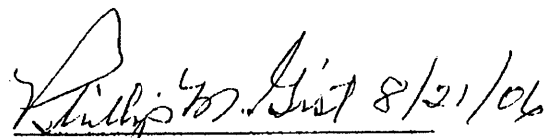
**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and


**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the Board of Directors of Community Water System strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

PASSED on this 21 day of August 2006.

  
Phillip Gist, President

ATTEST:

  
Michelle Davis, Board Secretary



**CERTIFICATE**

The undersigned, Secretary of Community Water System Public Water Authority of the State of Arkansas (CWS), hereby certifies that the CWS Board of Directors at a meeting duly called, noticed, convened and held on the 21 day of August, 2006 at which a quorum was present did adopt the foregoing Resolution and has not been revoked or amended in any way.

Dated this 21 day of August 2006.

By: Michelle Davis  
Michelle Davis, Board Secretary



Hot  
Springs  
Village

895 DeSoto Boulevard  
Hot Springs Village, AR 71909  
www.hsvpoa.org

## Property Owners' Association

---

August 21, 2006

U. S. Army Corps of Engineers  
Attn: Mr. Jonathan Long, P.E.  
P. O. Box 867  
Little Rock, AR 72203

Dear Mr. Long:

Please find enclosed a Resolution passed by the Hot Springs Village Property Owners' Association Board of Directors at its meeting of August 16, 2006 in support of the reallocation request of the Mid-Arkansas Water Alliance.

Sincerely,

Dave Johnston, P.C.A.M.  
General Manager

Enclosure



895 DeSoto Boulevard  
Hot Springs Village, AR 71909  
www.hsvpoa.org

## Property Owners' Association

---

### RESOLUTION OF SUPPORT FOR MAWA REALLOCATION REQUEST

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

WHEREAS, Hot Springs Village Property Owners' Association is in the area to be served by the Mid-Arkansas Water Alliance, and

WHEREAS, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

WHEREAS, Hot Springs Village Property Owners' Association is a member of MAWA and serves over 13,000 customers with potable water, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lake Ouachita and Greers Ferry for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Board of Directors of the Hot Springs Village Property Owners' Association strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Dave Johnston, General Manager  
Hot Springs Village  
Property Owners' Association

Dick Breckon, President, Board of Directors  
Hot Springs Village  
Property Owners' Association



August 22, 2006

U.S. Army Corps of Engineers  
Attn: Jonathan Long, P.E.  
P. O. Box 867  
Little Rock, AR 72203

**City of Hot Springs**  
**Office of the Mayor**

P.O. Box 700  
Hot Springs National Park,  
Arkansas 71901

RE: Lake Ouachita Water Allocation

Dear Sirs:

On behalf of the City of Hot Springs, I am writing to voice our support of the Mid Arkansas Water Alliance and its efforts in securing future supplemental water supplies from Lake Ouachita and Greers Ferry Lake. We are specifically interested in the allocation from Lake Ouachita since it has a direct impact on the economic growth of the City of Hot Springs and Garland County.

It is our understanding that the Mid Arkansas Water Alliance has submitted a request to the U.S. Army Corps of Engineers for 20 mgd of water from Lake Ouachita. Once the Corps grants the allocation to the Mid Arkansas Water Alliance, then in turn the Mid Arkansas Water Alliance will sub-allocate the water to its members.

The City of Hot Springs and Garland County play hosts to over 2 million tourists each year. In addition, the City of Hot Springs Water System provides water service to more than 80,000 people, and it has been projected that it will serve a population of more than 129,000 by the year 2025. The economic growth and prosperity of our city and county are dependent upon having an adequate water supply. The City of Hot Springs and Garland County have only one option for a supplemental water supply, and that is Lake Ouachita.

We are formally requesting the support of the US Army Corps of Engineers in our efforts to provide the city and the county with an adequate water allocation to meet the needs of our citizens for the next 20 years.

Respectfully,

A handwritten signature in black ink, appearing to read "Mike Bush".

Mike Bush  
Mayor

cc: J. Randy Young, P.E.  
Arkansas Natural Resources Commission

RESOLUTION NO. 6327

A RESOLUTION SUPPORTING THE REALLOCATION REQUEST FOR MID-ARKANSAS WATER ALLIANCE.

*WHEREAS*, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over one million citizens with drinking water; and

*WHEREAS*, the City of Hot Springs is in the area to be served by the Mid-Arkansas Water Alliance; and

*WHEREAS*, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health; and

*WHEREAS*, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future; and

*WHEREAS*, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs; and

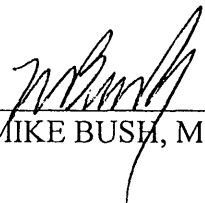
*WHEREAS*, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region; and

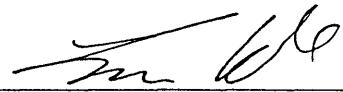
*WHEREAS*, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request.

*NOW, THEREFORE, BE IT RESOLVED* by the Board of Directors of the City of Hot Springs, Arkansas:

That the City of Hot Springs, Arkansas, strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U. S. Army Corps of Engineers and the Arkansas Congressional delegation.

PASSED: August 7, 2006

APPROVED:   
MIKE BUSH, MAYOR

ATTEST:   
LANCE HUDNELL, CITY CLERK



August 14, 2006

U.S. Army Corps of Engineers  
Attn: Mr. Jonathan Long, P.E.  
PO Box 867  
Little Rock, AR 72203

RE: Support for Mid-Arkansas Water Alliance

Dear Mr. Long:

Attached to this letter, you will find an executed **Resolution of Support** for the mission and goals of the **Mid-Arkansas Water Alliance**, which was duly approved by a unanimous vote of our Commissioners on Thursday, August 10, 2006.

By pooling resources, we can collectively gain the needed supplemental drinking water that is so vital to safeguarding public health and continuing economic prosperity. Central Arkansas Water is committed to our 27 member regional partnership because it will mean so much, to so many people in our state.

Sincerely,

CENTRAL ARKANSAS WATER

A handwritten signature in cursive script that reads "Jim Harvey".

Jim Harvey  
Chief Executive Officer

JH/sm

**RESOLUTION NO. 2006-08**

**A RESOLUTION OF SUPPORT BY CENTRAL ARKANSAS WATER  
TO FORMALLY ENDORSE THE GOALS AND MISSION OF THE MID-  
ARKANSAS WATER ALLIANCE IN GAINING SUPPLEMENTAL  
DRINKING WATER FROM GREERS FERRY LAKE AND LAKE  
OUACHITA**

WHEREAS, the Mid-Arkansas Water Alliance ("MAWA") is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

WHEREAS, Central Arkansas Water ("CAW") is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, Central Arkansas Water supplies water for over 388,000 people in Pulaski , Saline and Lonoke counties, and

WHEREAS, the continued growth and prosperity of our communities is dependent upon an adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Ouachita and Greers Ferry lakes for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COMMISSIONERS,  
CENTRAL ARKANSAS WATER:**

Section 1. This support of MAWA's objectives is strongly endorsed and approved and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation. The execution of this agreement by any of the person duly authorized to do so by Section 2 hereof shall constitute conclusive evidence of the approval of CAW.

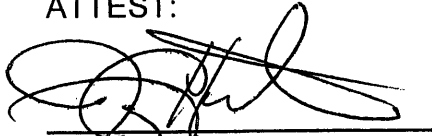


Section 2. Each or any of the Chair, Secretary, Chief Executive Officer or the Chief Operations Officers is hereby authorized to execute the Resolution on behalf of CAW.

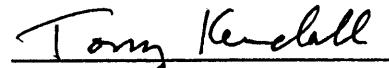
Section 3: This Resolution shall be in effect upon its adoption and approval.

**ADOPTED:** August 10, 2006

ATTEST:

  
\_\_\_\_\_  
Jay Hartman, Secretary

APPROVED:

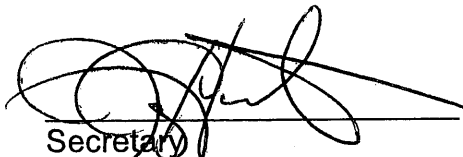
  
\_\_\_\_\_  
Tony Kendall, Chair

CERTIFICATE

STATE OF ARKANSAS    )  
  )  
COUNTY OF PULASKI    )

I, Jay Hartman, Secretary of Central Arkansas Water, do hereby certify that the foregoing is a true and correct copy of Resolution 2006-08 of the Resolutions of Central Arkansas Water, entitled: A RESOLUTION OF SUPPORT BY CENTRAL ARKANSAS WATER TO FORMALLY ENDORSE THE GOALS AND MISSION OF THE MID-ARKANSAS WATER ALLIANCE IN GAINING SUPPLEMENTAL DRINKING WATER FROM GREERS FERRY LAKE AND LAKE OUACHITA, AND PRESCRIBING OTHER MATTERS RELATING HERETO, adopted August 10, 2006.

In WITNESS WHEREOF, I have hereunto set my hand this 10th day of August, 2006.

  
\_\_\_\_\_  
Secretary  
Board of Commissioners  
Central Arkansas Water



**Conway**  
Corporation

*Operators of the City-owned Electric, Electronic & Water Systems*

August 15, 2006

U.S. Army Corps of Engineers  
Attn: Mr. Jonathan Long, P.E.  
P.O. Box 867  
Little Rock, Arkansas 72203

Subject: MAWA Reallocation Request

Dear Mr. Long,

At a meeting of the Conway Corporation Board of Directors on August 15, 2006 the board unanimously approved a Resolution of Support for the Mid-Arkansas Water Alliance Reallocation Request.

In the interest of the citizens of Conway it is of the Board's utmost concern that an adequate and dependable water source is available. The MAWA reallocation request is a part of our long range planning to meet this need.

We thank you for your help and interest in this very important issue.

Sincerely,

A handwritten signature in black ink that reads "Barbara Money". The signature is written in a cursive, flowing style.

Barbara Money  
Chairwoman of the Board  
Conway Corporation

Enclosure

**RESOLUTION OF SUPPORT FOR  
MAWA REALLOCATION REQUEST**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

**WHEREAS**, Conway Corporation is a member in good standing of the Mid-Arkansas Water Alliance, and

**WHEREAS**, Conway Corporation serves 21,459 customers and a population of over 52,000 in the City of Conway, Arkansas, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas regions use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the Board of Directors of Conway Corporation strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 15th day of August, 2006.

Barbara Money  
Chair of Board

Jay Walls  
Secretary of Board

**City of Shannon Hills**

**10401 High Road East  
Shannon Hills, AR 72103  
501-455-2003 City Hall  
501-455-3103 fax  
501-413-7461 Mayor's cell**

*Larance M. Davls  
Mayor*

*Richard Friend  
Chief of Police*

*Curtis N. Wilson  
Recorder/Treasurer*

**RESOLUTION OF SUPPORT FOR MAWA  
REALLOCATION REQUEST  
2006-07**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over one million citizens with drinking water, and

**WHEREAS**, the City of Shannon Hills, Arkansas is in the area to be served by the Mid-Arkansas Water Alliance, and

**WHEREAS**, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

**WHEREAS**, the continued growth and prosperity of our community is dependant upon an adequate and dependable source of quality drinking water for the future, and

**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas region use water from Lake Quachita and a 15 million gallon a day allocation from Greers Ferry Lake in order to meet the future water needs of the region, and

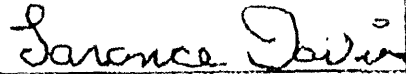
**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Quachita and Greers Ferry Lake in order to meet the future water needs of the regions, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of the region, and

Page two of two pages

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Shannon Hills, Arkansas strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

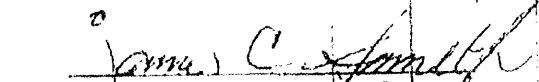
PASSED 08-08-06  
08-08-06



Larance Davis  
Mayor

ATTEST Curtis N. Wilson  
Curtis N. Wilson  
Recorder/ Treasurer

CITY COUNCIL

  
Alderman Robin Baker  
Alderman Mike Kemp  
Alderman Rick Tribble  
Alderman James Smith  
Alderman Dave Holsomback  
Alderman Diane Everett

**RESOLUTION R-06-26**

**RESOLUTION OF SUPPORT FOR  
MAWA REALLOCATION REQUEST**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

**WHEREAS**, the City of Conway, Arkansas is in the area to be served by the Mid-Arkansas Water Alliance, and

**WHEREAS**, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas regions use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the City Council of the City of Conway, Arkansas strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 8<sup>th</sup> day of August, 2006.



Tab Townsell, Mayor



Michael O. Garrett, City Clerk/Treasurer

# **WaterWorks** **CABOT**

208 North First  
P.O. Box 1287  
Cabot, Arkansas 72023

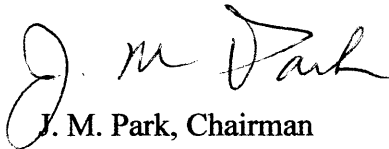
August 16, 2006

Mr. Jonathan Long, P. E.  
U.S. Army Corps of Engineers  
P.O. Box 867  
Little Rock, Arkansas 72203

Dear Mr. Long:

The enclosed resolution was adopted by the Cabot Water & Wastewater Commission at its August 3, 2006 meeting. Please make it a part of the public comments on the Mid-Arkansas Water Alliance's request for reallocation of water resources from Greers Ferry and Ouachita Lakes.

Sincerely yours,



J. M. Park, Chairman  
Cabot Water & Wastewater Commission

**CABOT WATER AND WASTEWATER COMMISSION  
RESOLUTION 2006-5**

**RESOLUTION REGARDING SUPPORT FOR MAWA REALLOCATION  
REQUEST**

BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE CABOT WATER AND WASTEWATER COMMISSION, THAT

WHEREAS, THE Mid-Arkansas Water Alliance (MAWA) is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

WHEREAS, Cabot WaterWorks is a member in good standing of MAWA, and

WHEREAS, Cabot WaterWorks serves over 9,000 customers in the Cabot WaterWorks service area, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

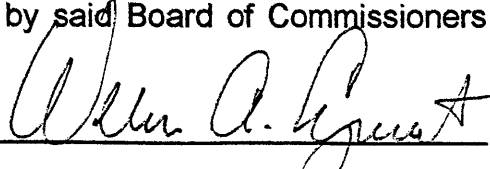
WHEREAS, MAWA has requested a 20 million gallon a day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Board of Directors of the Cabot Water and Wastewater Commission strongly supports the reallocation request of MAWA and by this resolution makes that support known to the U.S. Corps of Engineers and the Arkansas Congressional delegation.

.....

I, Bill Cypert, Secretary of the Board of Commissioners, Cabot Water and Wastewater Commission, certify that, as such Secretary, I have custody of the Minutes and documents of the Cabot Water and Wastewater Commission and that the above and foregoing is a correct copy of a resolution adopted by said Board of Commissioners at its regular meeting held August 3, 2006.

  
\_\_\_\_\_  
Bill Cypert, Secretary





August 17, 2006

Dear Mr. Long;

Please find enclosed a copy of the "Resolution of Support" adopted by our Board of Commissioners on August 15<sup>th</sup>, 2006. As an involved participant in the Mid-Arkansas Water Alliance, and being the fastest growing community in central Arkansas, it is vital to our area of the state to assure long term quality water for generations to come. We must be good stewards of the resources we now have and owe it to our future generations to make every effort to assure that they will continue to have ample, safe quantities of our most vital resource. Thank you for your support in this most important issue.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mike Thomason', is written over a horizontal line.

Mike Thomason, General Manager



WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

WHEREAS, Maumelle Water Management is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, Maumelle Water Management serves 6,750 customers in Maumelle, Arkansas, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

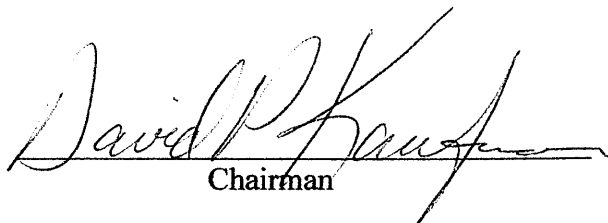
WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Board of Commissioners of the Maumelle Water Management strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

8-14-06

Date Adopted

  
Chairman

**CITY OF ALEXANDER, ARKANSAS  
RESOLUTION # 06-09**

**RESOLUTION IN SUPPORT OF MAWA REALLOCATION  
REQUEST**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

**WHEREAS**, the City of Alexander, Ar. is in the area to be served by the Mid-Arkansas Water Alliance, and

**WHEREAS**, one of the first mandates of local government is to provide a safe adequate supply of drinking water to ensure the public health, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

**WHEREAS**, several competent engineering studies have recommended that the Mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

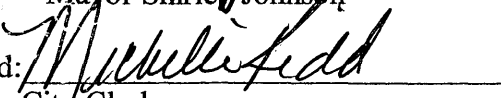
**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon a day reallocation from Lake Ouachita and a 15 million gallon a day from Greers Ferry Lake in order to meet the future needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the City Council of the City of Alexander, Ar. Strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 14 day of August, 2006.

Signed:   
Mayor Shirley Johnson

Signed:   
City Clerk

**CONWAY COUNTY REGIONAL  
WATER DISTRIBUTION DISTRICT**  
P.O. BOX 296  
Morrilton, AR 72110

PHONE: (501) 354-3503  
FAX (501) 354-0027  
www.ccrwdd.com



## RESOLUTION 12-2006

### SUPPORT FOR MAWA REALLOCATION REQUEST

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

WHEREAS, Conway County Regional Water Distribution District is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, Conway County Regional Water Distribution District serves 7,700 customers in Conway County, Arkansas and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Board of Directors of the Conway County Regional Water Distribution District strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Conway County Regional Water Distribution District

This is an Equal Opportunity Program. Discrimination is prohibited by Federal law. Complaints of discrimination may be filed with the Secretary of Agriculture, Washington, D.C. 20250



**USI-ARKANSAS, INC.**  
Consulting Engineers

August 4, 2006

Mr. Jonathan Long, P.E.  
U.S. Army Corps of Engineers  
P.O. Box 897  
Little Rock, AR 72203

RE: Mid-Arkansas Water Alliance  
Water reallocation from Greers Ferry & Lake Ouachita

Dear Mr. Long:

We are writing you this letter to express our company's support for the Mid-Arkansas Water Alliance's (MAWA) request for a reallocation of 20 million gallons per day (MGD) of water from Lake Ouachita and 15 MGD from Greers Ferry Lake.

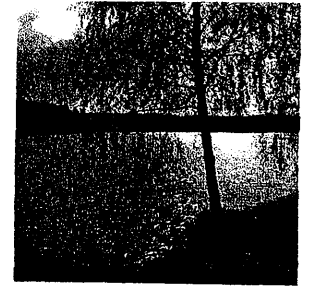
USI is civil engineering firm which specializes in the design of public works projects for municipal clients and an associate member of MAWA. USI joined MAWA because we know that there is a great need for additional water in Central Arkansas and wanted to be a part of this unprecedented cooperation between twenty seven (27) water utilities from eight different counties. Furthermore, we believe that this project has been validated by several engineering studies which recommend these lakes as a supply for Central Arkansas's future water needs and the Corps of Engineer's Draft Environmental Assessment which indicates no negative environment impact.

Sincerely,  
USI-Arkansas, Inc.

Charles R. Nickle, P.E.  
President

Vernon J. Williams, P.E.  
Little Rock Office Manager

SALINE COUNTY, ARKANSAS WATERWORKS &  
SANITARY SEWER P F B  
(WOODLAND HILLS)  
P. O. BOX 390  
ALEXANDER, AR. 72002  
(501) 847-0562



RESOLUTION # 2006-03

**RESOLUTION IN SUPPORT OF MAWA REALLOCATION  
REQUEST**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

**WHEREAS**, the Saline County Waterworks & Sanitary Sewer P.F.B. is a member in good standing of the Mid-Arkansas Water Alliance, and

**WHEREAS**, Saline County Waterworks & Sanitary Sewer P.F.B. serves about 1800 customers in Saline County, Ar., and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

**WHEREAS**, several competent engineering studies have recommended that the Mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon a day reallocation from Lake Ouachita and a 15 million gallon a day from Greers Ferry Lake in order to meet the future needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the Board of Directors of Saline County Waterworks & Sanitary Sewer P.F.B. strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 10 day of August, 2006.

Signed: Kenneth Anderson  
Kenneth Anderson, Board Chairman

Signed: R.G. McKeon  
R.G. McKeon, General Manager

## **SARDIS WATER ASSOCIATION**

*"A Community Improvement Project"*

23820 North Sardis Rd. • Mabelvale, Arkansas 72103

Phone 501-602-5393

Fax 501-602-2674

**August 22, 2006**

U.S. Army Corps of Engineers  
Attn: Jonathan Long, P.E.  
P.O. Box 867  
Little Rock, AR 72203

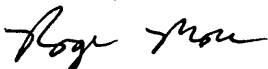
RE: Resolution of Support – Reallocation Request  
Mid-Arkansas Water Alliance

Dear Jonathan:

Attached is a Resolution of Support from the Sardis Water Association Public Water Authority for the Mid-Arkansas Water Alliance's reallocation request with the U.S. Army Corps of Engineers for water from Lake Ouachita and Greers Ferry Lake.

We thank you for your part in our efforts to secure water for the mid-Arkansas region for generations to come.

Sincerely,



Roger Moren  
General Manager

Attachment

**SARDIS WATER ASSOCIATION  
PUBLIC WATER AUTHORITY**

**RESOLUTION OF SUPPORT  
MID-ARKANSAS WATER ALLIANCE  
REALLOCATION REQUEST**

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over one million citizens with drinking water, and

WHEREAS, the Sardis Water Association Public Water Authority is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, the Sardis Water Association Public Water Authority serves over 12,500 people with a public water supply in eastern Saline County and northern Grant County, Arkansas, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

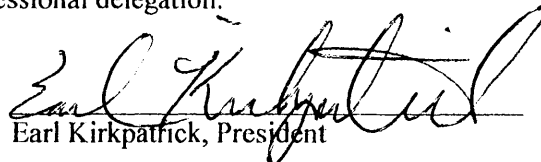
WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

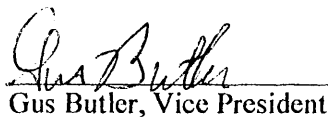
WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

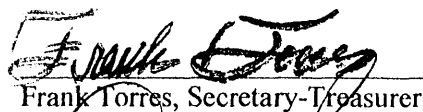
WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative impact on either lake of this reallocation request,

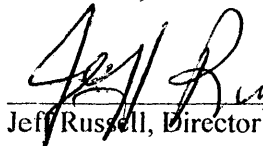
NOW THEREFORE BE IT RESOLVED, that the majority of the Board of Directors of the Sardis Water Association Public Water Authority supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

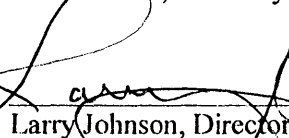
Adopted this 21<sup>st</sup> day of August 2006

  
Earl Kirkpatrick, President

  
Gus Butler, Vice President

  
Frank Torres, Secretary-Treasurer

  
Jeff Russell, Director

  
Larry Johnson, Director





900 Oak Street  
Conway, AR 72032  
501.327.7788  
Fax 501.327.7790  
[www.conwayarkcc.org](http://www.conwayarkcc.org)



August 30, 2006

U.S. Army Corps of Engineers  
Attn: Mr. Jonathan Long, P.E.  
P.O. Box 867  
Little Rock, Arkansas 72203

Dear Mr. Jonathan Long, P.E.

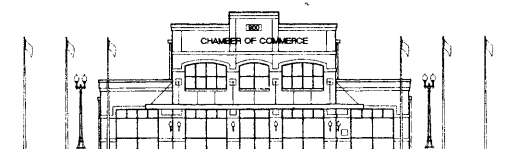
At its August 17<sup>th</sup> meeting, the Conway Area Chamber of Commerce Board of Directors unanimously approved support of Conway Corporation's reallocation request of the Mid-Arkansas Water Alliance. Our board represents a broad spectrum of community leaders who recognize the importance of water supply for a growing and thriving city like Conway.

Please feel free to share this information with other parties involved with the Mid-Arkansas Water Alliance and future water supply needs for our community.

Sincerely,

Jan Spann  
President/CEO

CC: Mr. Richard Arnold



---

***We Mean Business!!***

**RESOLUTION OF SUPPORT FOR  
MAWA REALLOCATION REQUEST**

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

**WHEREAS**, Conway Corporation is a member in good standing of the Mid-Arkansas Water Alliance, and

**WHEREAS**, Conway Corporation serves 21,459 customers and a population of over 52,000 in the City of Conway, Arkansas, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

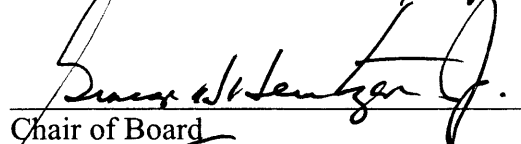
**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas regions use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the Board of Directors of the Conway Area Chamber of Commerce strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and other interested parties.

Adopted this 17<sup>th</sup> day of August, 2006.

  
\_\_\_\_\_  
Chair of Board

  
\_\_\_\_\_  
Secretary of Board



# HENDRIX

COLLEGE

1600 Washington Avenue  
Conway, Arkansas 72032-3080

August 30, 2006

Dr. Jonathan Long, P.E.  
U. S. Army Corps of Engineers  
Post Office Box 867  
Little Rock, Arkansas 72203

Dear Dr. Long:

It has come to my attention that the U. S. Army Corps of Engineers is considering a request by the Mid-Arkansas Water Alliance (MAWA) to reallocate the U. S. Army Corps of Engineers' discretionary water storage in Greers Ferry Lake and Lake Ouachita. The purpose of this request is to ensure that the 27 water utilities in eight Arkansas counties will be able to provide its 750,000 citizens an uninterrupted supply of drinking water. I also understand that MAWA has requested an environmental assessment which indicated no adverse impact on either lake.

Because an adequate and dependable source of quality drinking water is vital to Hendrix College, its more than 1,000 students and 250 faculty and staff, Hendrix College fully supports this reallocation request and is asking the U. S. Army Corps of Engineers to give it full consideration.

Sincerely,

J. Timothy Cloyd, Ph.D.  
President

cc: Mr. Richie Arnold  
Chief Executive Officer  
Conway Corporation

Office of the President

PHONE: 501-450-1351 FAX: 501-450-3821  
EMAIL: [cloyd@hendrix.edu](mailto:cloyd@hendrix.edu) WEB: [www.hendrix.edu](http://www.hendrix.edu)

September 5, 2006

U.S. Army Corps of Engineers  
Planning and Environmental Office  
Attn: Mr. Jonathan Long, P.E.  
P.O. Box 867  
Little Rock, Arkansas 72203

RE: Mid-Arkansas Water Alliance Request Environmental Assessment

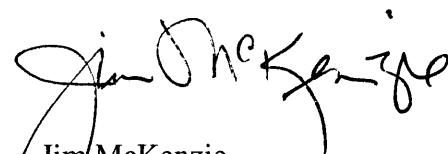
Dear Mr. Long:

On August 30, 2006, the Metroplan Board of Directors unanimously passed the enclosed resolution in support of the request of the Mid-Arkansas Water Alliance for discretionary storage reallocation in Lakes Ouachita and Greers Ferry.

Metroplan has been engaged in the business of doing long-range planning for the public infrastructure to support the growth of the central Arkansas metropolitan area since 1955. Having an adequate, high quality water supply is critical to the future growth and prosperity of this region.

Our Board strongly supports MAWA's request and urges the Corps to act favorably on it at your earliest convenience.

Sincerely yours,

  
Jim McKenzie  
Executive Director

**Resolution 06-14**

**RESOLUTION OF SUPPORT FOR  
MAWA REALLOCATION REQUEST**

WHEREAS, the Mid-Arkansas Water Alliance (MAWA) is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

WHEREAS, Metroplan, a Council of Local Governments, conducts public infrastructure planning for the Little Rock-North Little Rock-Conway metropolitan area in which nearly 500,000 of those citizens live and hundreds of thousands more work, and

WHEREAS, the continued growth and prosperity of our communities is dependent upon an adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supplies, and

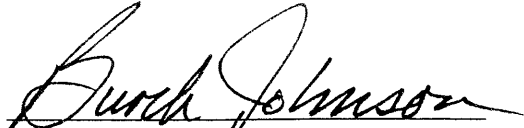
WHEREAS, MAWA has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the U.S. Army Corps of Engineers indicates no negative environmental impact on either lake of the reallocation request,

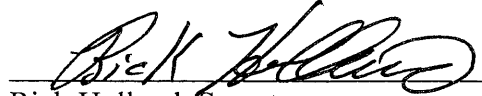
NOW THEREFORE BE IT RESOLVED, that the Board of directors of Metroplan strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 30<sup>th</sup> day of August, 2006.

SIGNED:

  
Burch Johnson, President  
Mayor, City of Maumelle

ATTEST:

  
Rick Holland, Secretary  
Mayor, City of Benton

# **SALEM WATER USERS ASSOCIATION PUBLIC WATER AUTHORITY**

620 Airline Dr.  
Benton, AR 72015  
(501) 315-0555

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

WHEREAS, Salem Water Public Water Authority of the State of Arkansas is in the area to be served by the Mid-Arkansas Water Alliance, and

WHEREAS, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

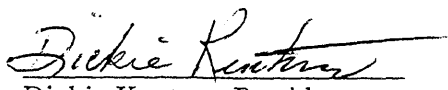
WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

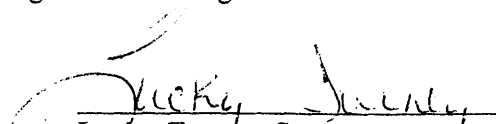
WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Board of Directors of the Salem Water Users Public Water Authority strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

  
Dickie Kentner, President

  
Lucky Turney, Secretary

# CITY OF HASKELL

## RESOLUTION # 03-2006

A RESOLUTION SUPPORTING THE REALLOCATION REQUEST OF THE MID-ARKANSAS WATER ALLIANCE:

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative of twenty-seven water utilities in eight mid-Arkansas counties that together serve over one million citizens with drinking water, and

WHEREAS, The City of Haskell is in the area to be served by the Mid-Arkansas Water Alliance, and

WHEREAS, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lake Ouachita and Greers Ferry Lake for future water supply needs, and

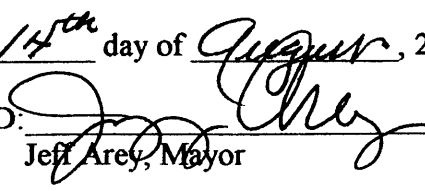
WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon per day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

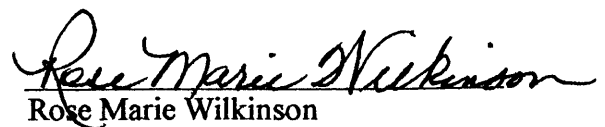
WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Haskell strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Corps of Engineers and the Arkansas Congressional delegation.

Passed this 14<sup>th</sup> day of August, 2006

APPROVED:

  
Jeff Arey, Mayor

  
Rose Marie Wilkinson  
Recorder/Treasurer

# RESOLUTION No. 17 OF 2006

## A RESOLUTION OF SUPPORT FOR MAWA REALLOCATION REQUEST FOR WATER OUT OF LAKE QUACHITA

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

**WHEREAS**, Benton is in the area to be served by the Mid-Arkansas Water Alliance, and

**WHEREAS**, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and


**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Quachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Quachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and


**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Benton, Arkansas strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

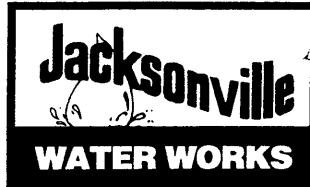
PASSED AND APPROVED THIS 14 DAY OF AUGUST, 2006.

  
Rick Holland, Mayor

ATTEST:

  
Cindy Stracener, City Clerk





RESOLUTION OF SUPPORT FOR MAWA REALLOCATION REQUEST

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

WHEREAS, Jacksonville Water Works is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, Jacksonville Water Works serves 9400 customers with a population of over 30,000 in Jacksonville, Arkansas, and

WHEREAS, the continued growth and prosperity of our community is dependent upon and adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lake Ouachita and Greers Ferry for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the Jacksonville Water Commission of the Jacksonville Water Works strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.


Approved and adopted this 9<sup>th</sup> day of August, 2006.

JACKSONVILLE WATER COMMISSION

  
THAD GRAY CHAIRMAN

ATTEST:

  
GORDON KOOPS, SECRETARY



*City of Bryant*

210 S.W. 3rd Street  
Bryant, Arkansas 72022

(501) 847-5559  
Fax (501) 847-5332  
city@cityofbryant.com

**RESOLUTION** 2006-07

A RESOLUTION EXPRESSING SUPPORT FOR MAWA REALLOCATION REQUEST

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 750,000 citizens with drinking water, and

WHEREAS, the City of Bryant is in the area to be served by the Mid-Arkansas Water Alliance, and

WHEREAS, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and


WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Bryant strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 28th day of August, 2006.

By: Brenda Cockerham  
Brenda Cockerham  
City Clerk

By: Paul E. Halley  
Paul E. Halley  
Mayor



**RESOLUTION OF SUPPORT FOR  
MAWA REALLOCATION REQUEST**

WHEREAS, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over 1 million citizens with drinking water, and

WHEREAS, Paron-Owensville Water Authority is a member in good standing of the Mid-Arkansas Water Alliance, and

WHEREAS, Paron-Owensville Water Authority serves over 800 households and business in NW Saline County, and

WHEREAS, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water, and

WHEREAS, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

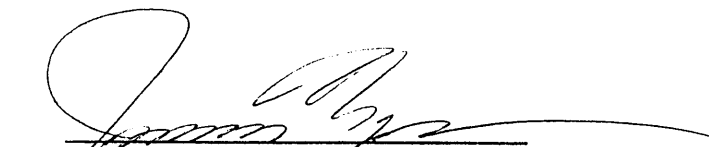
WHEREAS, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

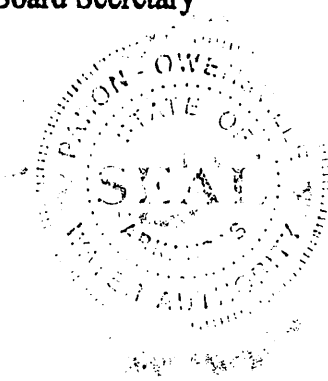
WHEREAS, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

NOW THEREFORE BE IT RESOLVED, that the board of directors of the Paron-Owensville Water Authority strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

Adopted this 8<sup>th</sup> day of August 2006.

  
Rudy Westbrook, POWA President

  
James Magness, POWA Board Secretary





Lake Ouachita Association

Bill Barnes, President

September 12, 2006

Brady Mountain Resort  
Crystal Springs Resort  
Highway 27 Fishing Village  
Lake Ouachita Shores Resort  
Little Fir Landing  
Mountain Harbor Resort  
North Shores Resort  
Shangri-La Resort  
Spillway Resort

Colonel Anthony Vesay  
Commander & District Engineer  
Corps of Engineers  
4155 East Clay Street  
Vicksburg, MS 39183

Received  
SEP 14 2006  
City of Crystal Springs  
Utilities Dept.

Dear Colonel Vesay:

We have been involved with the Mid Arkansas Water Alliance (MAWA) for the last 3 years as they have developed their water proposal for Lake Ouachita and Greers Ferry Lake.

We strongly support their proposal to utilize Lake Ouachita for a water supply through the modification of the current power pool elevation from 578 to approximately 579. We believe this increase in normal pool level will enhance the esthetic beauty of the lake as well as provide the additional capacity to supply MAWA's needs and help Entergy's generation demands in the process.

We urge you to support this increased capacity plan.

Sincerely,

Bill Barnes  
President

BB/ra

Cc: All LOA  
Don Cochran ✓  
Senator Blanche Lincoln  
Senator Mark Pryor  
Representative Mike Ross

P. O. Box 1268  
Mt. Ida, AR 71957  
870-867-2191  
Fax: 870-867-4372  
Email address: mtharbor@ipa.net

Promoting Excellence and  
Cooperation on Lake Ouachita

# City of Perryville

613 North Fourche Avenue  
Post Office Box 116  
Perryville, Arkansas 72126  
Phone 501-889-2862 or 501-889-2501  
Fax 501-889-2496

## RESOLUTION: Number 2006 - 01

**WHEREAS**, the Mid-Arkansas Water Alliance is an unprecedented cooperative effort of twenty-seven water utilities in eight mid-Arkansas counties that together serve over I million citizens with drinking water, and

**WHEREAS**, Perryville, Arkansas is in the area to be served by the Mid-Arkansas Water Alliance, and

**WHEREAS**, one of the first mandates of local government is to provide a safe and adequate supply of drinking water to ensure the public health, and

**WHEREAS**, the continued growth and prosperity of our community is dependent upon an adequate and dependable source of quality drinking water for the future, and

**WHEREAS**, several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and

**WHEREAS**, the Mid-Arkansas Water Alliance has requested a 20 million gallon per day reallocation from Lake Ouachita and a 15 million gallon a day reallocation from Greers Ferry Lake in order to meet the future water needs of the region, and

**WHEREAS**, the Draft Environmental Assessment conducted by the Corps of Engineers indicates no negative environmental impact on either lake of this reallocation request,

**NOW THEREFORE BE IT RESOLVED**, that the city council of the City of Perryville strongly supports the reallocation request of the Mid-Arkansas Water Alliance and by this resolution makes that support known to the U.S. Army Corps of Engineers and the Arkansas Congressional delegation.

**PASSED ON THIS 14th DAY OF September, IN THE YEAR OF 2006**

**BY A VOTE OF: 4\* YES      0 NO      1 ABSTAINED**

\* Includes Mayor

  
MAYOR

  
RECORDER/TREASURER

We, the undersigned members of the Faulkner County Home Builders Association express our support for the reallocation request of the Mid-Arkansas Water Alliance (MAWA). It is necessary for the city of Conway and Faulkner County to have an adequate and dependable source of quality drinking water for continued growth and prosperity. Several competent engineering studies have recommended that the mid-Arkansas region use water from Lakes Ouachita and Greers Ferry for future water supply needs, and the Draft Environmental Assessment conducted by the United States Army Corps of Engineers indicates no negative environmental impact on either lake. For this reason, we urge your approval of the MAWA reallocation request.

Tom Atchison

Gregg Mills

Rubie Hawk

Pat Bruce

Jim Murphy

~~Tom~~

Matt Cottar

Joe McCarty

Hail McCartney

Paul Tipt

Camille Surchi

JEFF SHAW

Rutchie Howell

Cliff Kelley

Steve Clark

Nikki Jones

Jim Har

Margette Hawks

TOTAL MEMBERSHIP VOTE YES 90/2

\* By authorization of majority vote in the Faulkner County Home Builders Association, we support the reallocation request of the MAWA. Nikki Jones, Executive Officer

NAME	COMPANY NAME	ADDRESS	CITY	AR	ZIP	CONTACT#
Bobby Gilmore	GWG Investments	2 Pin Oak Cove	Greenbrier	AR	72058	679-5132
Charles Ledbetter Jr.	Ledbetter Homes, LLC	11 Overland Park Drive	Vilonia	AR	72173	472-2405
Daryl Brock	Brock Custom Homes	788 Mallard Lane	Conway	AR	72034	733-3344
Daniel Phillips	Springfield Construction	7110 Hwy 124	Springfield	AR	72157	893-2400
**Darrell Farley	Firm Foundation	111 Middle Road	Conway	AR	72032	
David Elms	Elms Clowers Const.	3290 Stermer Road	Conway	AR	72034	329-8600
David Keener (ADD)		P.O. Box 536	Russellville	AR	72811	479-968-5338
DeWayne Millsap	Millsap Const.	825 Parkway	Conway	AR	72032	730-2469
Don Mallory	Mallory Const.	P.O. Box 10477	Conway	AR	72034	327-9286
Eddie Kordsmeier	Eddie Kordsmeier Co.	7 East Hampton	Conway	AR	72034	908-0015
***Eric Priestler	Priester Custom Homes	P.O. Box 1909	Conway	AR	72033	472-0098
Gene Salter	Salter Construction	P.O. Box 1778	Conway	AR	72033	327-2807
**Gerald Gunter	Gerald Gunter Construction	1506 Dave Ward Drive	Conway	AR	72034	450-7773
Greek Miller	Greek Miller Const.	P.O. Box 10182	Conway	AR	72034	336-4760
Greg Lock/Matt Skelton	Matlock Custom Homes	P.O. Box 2243	Conway	AR	72033	505-8707
Jeff & Johnnie Elder	Elder Custom Homes	P.O. Box 10471	Conway	AR	72034	548-3593
Jeff Moix	Moix Construction	55 Mill Pond Road	Conway	AR	72034	514-4416
Jim Eaton	Eaton Construction	3755 Irby Drive	Conway	AR	72034	548-0361
Jim Hawks	Tri Con Builders	240 Hwy 65 North	Conway	AR	72032	472-4132
Jim Pearce	Superior Home Blders	1108 Deere Street	Conway	AR	72032	327-3781
John Pennington	Pennington Homes	P.O. Box 10382	Conway	AR	72034	327-3630
Ken Norman	AR Builders of Conway	250 South Harkrider	Conway	AR	72033	327-2152
Kenny Starkey	Kenny Starkey Custom Homes	17 Sky Drive	Greenbrier	AR	72058	679-3120
**Kerry Baker	Baker Construction	2911 Joanna Drive	Conway	AR	72032	730-2850
Kevin Watson	Watson Homes Inc	700 Padgett Road	Conway	AR	72034	472-8200
Luke Porter	Luke Porter Inc.	4910 Stockton Dr.	Conway	AR	72034	514-5597
Marilyn Fritts		13 Coy Trail	Conway	AR	72032	329-3841
Melton Cotton	Cotton Construction	P.O. Box 81	Greenbrier	AR	72058	450-0363
**Michael Chamber		P.O. Box 10205	Conway	AR	72034	472-8274
Mike Wallace	Mallard Homes	P.O. Box 520	Vilonia	AR	72173	514-4099
Rex Lovelady/Clayton Jones	Conway Custom Homes	P.O. Box 10621	Conway	AR	72034	472-9014
Richie Hambuchen	Hambuchen Custom Homes	24 Richland Hills Dr	Conway	AR	72032	472-8388
Rick Stevenson	Stevenson Custom Homes	3300 Daffodil Drive	Conway	AR	72034	327-3628
Rick White	White Development, LLC.	P.O. Box 10574	Conway	AR	72034	472-5807
**Roy Martin	Prestige Development	950 Carson Cove #112	Conway	AR	72034	513-2000
**Rusty Page	Ro-Mar Construction	950 Carson Cove #112	Conway	AR	72034	269-1035
**Steve Boone	Boone Custom Homes	735 Reedy Road	Conway	AR	72034	513-0741

NAME	COMPANY NAME	ADDRESS	CITY	AR	ZIP	CONTACT#
Bobby Gilmore	GWG Investments	2 Pin Oak Cove	Greenbrier	AR	72058	679-5132
Charles Ledbetter Jr.	Ledbetter Homes, LLC	11 Overland Park Drive	Vilonia	AR	72173	472-2405
Daryl Brock	Brock Custom Homes	788 Mallard Lane	Conway	AR	72034	733-3344
Daniel Phillips	Springfield Construction	7110 Hwy 124	Springfield	AR	72157	893-2400
**Darrell Farley	Firm Foundation	111 Middle Road	Conway	AR	72032	
David Elms	Elms Clowers Const.	3290 Stermer Road	Conway	AR	72034	329-8600
David Keener (ADD)		P.O. Box 536	Russellville	AR	72811	479-968-5338
DeWayne Millsap	Millsap Const.	825 Parkway	Conway	AR	72032	730-2469
Don Mallory	Mallory Const.	P.O. Box 10477	Conway	AR	72034	327-9286
Eddie Kordsmeier	Eddie Kordsmeier Co.	7 East Hampton	Conway	AR	72034	908-0015
***Eric Priester	Priester Custom Homes	P.O. Box 1909	Conway	AR	72033	472-0098
Gene Salter	Salter Construction	P.O. Box 1778	Conway	AR	72033	327-2807
**Gerald Gunter	Gerald Gunter Construction	1506 Dave Ward Drive	Conway	AR	72034	450-7773
Greek Miller	Greek Miller Const.	P.O. Box 10182	Conway	AR	72034	336-4760
Greg Lock/Matt Skelton	Matlock Custom Homes	P.O. Box 2243	Conway	AR	72033	505-8707
Jeff & Johnnie Elder	Elder Custom Homes	P.O. Box 10471	Conway	AR	72034	548-3593
Jeff Moix	Moix Construction	55 Mill Pond Road	Conway	AR	72034	514-4416
Jim Eaton	Eaton Construction	3755 Irby Drive	Conway	AR	72034	548-0361
Jim Hawks	Tri Con Builders	240 Hwy 65 North	Conway	AR	72032	472-4132
Jim Pearce	Superior Home Builders	1108 Deere Street	Conway	AR	72032	327-3781
John Pennington	Pennington Homes	P.O. Box 10382	Conway	AR	72034	327-3630
Ken Norman	AR Builders of Conway	250 South Harkrider	Conway	AR	72033	327-2152
Kenny Starkey	Kenny Starkey Custom Homes	17 Sky Drive	Greenbrier	AR	72058	679-3120
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Kevin Watson	Watson Homes Inc	700 Padgett Road	Conway	AR	72034	472-8200
Luke Porter	Luke Porter Inc.	4910 Stockton Dr.	Conway	AR	72034	514-5597
Marilyn Fritts		13 Coy Trail	Conway	AR	72032	329-3841
Melton Cotton	Cotton Construction	P.O. Box 81	Greenbrier	AR	72058	450-0363
**Michael Chamber		P.O. Box 10205	Conway	AR	72034	472-8274
Mike Wallace	Mallard Homes	P.O. Box 520	Vilonia	AR	72173	514-4099
Rex Lovelady/Clayton Jones	Conway Custom Homes	P.O. Box 10621	Conway	AR	72034	472-9014
Richie Hambuchen	Hambuchen Custom Homes	24 Richland Hills Dr	Conway	AR	72032	472-8388
Rick Stevenson	Stevenson Custom Homes	3300 Daffodil Drive	Conway	AR	72034	327-3628
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