FINAL

ENVIRONMENTAL CONDITION OF PROPERTY REPORT

WOOLSEY FINNELL, SR.

U.S. ARMED FORCES RESERVE CENTER (AL045) AND AMSA 154(G) (AL089)

2627 10TH AVENUE

TUSCALOOSA, ALABAMA 35401

Prepared For:

U.S. Army Corps of Engineers – Louisville District
600 Dr. Martin Luther King, Jr. Place
Louisville, Kentucky 40202-2232

FEBRUARY 2007

CERTIFICATION

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

STEVEN FRANCIS **DATE**
Chief, Environmental Division
Deputy Chief of Staff
Installation Management
81st Regional Readiness Command

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

02/14/07

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

EXECUTIVE SUMMARY

Fuller, Mossbarger, Scott and May Engineers, Inc. (FMSM), under contract to the U.S. Army Corps of Engineers (USACE), Louisville District, prepared this ECP Report for the Woosley Finnel Sr. Armed Forces Reserve (AFR) Center, (Facility ID AL045) and Area Maintenance Support Activity (AMSA) 154(G) (Facility ID AL089), hereafter referred to as the "Site" or "AFR Center". The Site is located at 2627 10th Avenue, Tuscaloosa, Alabama, and encompasses approximately 5 acres.

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

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

The AFR Center facility is situated on approximately 5 acres of land with three permanent buildings: a 23,428 square-foot AFR Center building, a 5,878 square-foot AMSA building, and a 2,272 square-foot storage building. The Site is currently occupied by the 75th Combat Support Hospital and the AMSA 154(G).

Based on a review of aerial photographs and U.S. Geological Survey (USGS) topographic maps dating back to 1952, the Site has served as an AFR Center since 1957. The AFR Center building and AMSA building were constructed in 1957.

Areas of potential environmental concern were reviewed and FMSM found petroleum impacts relating to the environmental conditions of the property. Total petroleum hydrocarbons (TPH) were detected in a soil sample collected in the vicinity of the oil/water separator (OWS) and phenol, a semi-volatile organic compound (SVOC) was detected in a soil sample collected adjacent to the former service pit in the AMSA building. Friable and non-friable asbestos-containing material is present and lead-based paint is assumed to be present in the original AFR Center buildings.

In accordance with Department of Defense policy defining the classifications (See Deputy Under Secretary of Defense Goodman Memorandum dated 21 October 1996), the Property has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

TABLE OF CONTENTS

SECTION & TITLE **PAGE NO.**

EXECUTIVE SUMMARY iii
TABLE OF CONTENTS iv
LIST OF APPENDICES vi
LIST OF ACRONYMS vii
1.0 INTRODUCTION 1
1.1 Purpose of Environmental Condition of Property Report 1
1.2 Scope of Services 2
2.0 SITE LOCATION AND PHYSICAL DESCRIPTION 4
2.1 Site Location 4
2.2 Asset Information 4
2.3 Physical Description 4
2.4 Site Hydrology and Geology 7
2.4.1 Surface Water Characteristics 7
2.4.2 Geology/Hydrogeologic Characteristics 7
2.5 Site Utilities 8
2.6 Water Supply Wells & Septic Systems 8
3.0 SITE HISTORY 9
3.1 History of Ownership 9
3.2 Past Uses and Operations 9
3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances 12
3.3.1 Past Use and Storage of Hazardous Substances 12
3.3.2 Past Disposal and Release of Hazardous Substances 13
3.4 Past Presence of Bulk Petroleum Storage Tanks 13
3.5 Review of Previous Environmental Reports 14
3.5.1 1997 Stormwater Pollution Prevention Plan (AMSA facility) 14
3.5.2 1998 Federal Insecticide, Fungicide, and Rodenticide (FIFRA) Act Memorandum 15
3.5.3 1998 Complete Facility Assessment 15
3.5.4 2001 Asbestos Inspection Report 16
3.5.5 2002 Internal Compliance Assessment (ICA) 16
3.5.6 2002 Air Quality Report 16
3.5.7 2002 Mold Report – Indoor Air Quality 17
3.5.8 Radon Test Results 17
3.5.9 2004 ICA Internal Compliance Assessment 17
3.5.10 2005 Architectural Evaluation 17
3.5.11 2005 Spill Prevention, Control and Countermeasure Plan 17
3.5.12 2006 Soil Sampling Report 18
3.5.13 2006 Lead-Based Paint Inspection Report 18
3.5.14 Additional Site Work and Documents Provided 18

4.0 ADJACENT PROPERTIES 20
5.0 REVIEW OF REGULATORY INFORMATION 22
5.1 Federal Environmental Records 22
5.1.1 Federal RCRA Small and Large Quantity Generators List Within 1/4 Mile 24
5.2 State and Local Environmental Records 24
5.2.1 State-Registered Leaking UST (LUST) Sites Within 1/2 Mile 25
5.2.2 State-Registered UST Sites Within 1/4 Mile 26
5.2.3 Local Emergency Agency Correspondence 27
5.2.4 Other 28
5.3 Tribal Environmental Records 28
5.4 EDR Proprietary Records 29
5.5 Unmapped Sites 29
5.6 Summary of Properties Evaluated to Determine Risk to the Site 29
6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS 31
6.1 Underground/Aboveground Storage Tanks 31
6.2 Inventory of Chemicals / Hazardous Substances 31
6.3 Waste Disposal Sites 32
6.4 Pits, Sumps, Drywells, and Catch Basins 32
6.5 Asbestos Containing Material 33
6.6 Polychlorinated Biphenyl Containing (PCB) Equipment 33
6.7 Lead 34
6.8 Radon 34
6.9 Munitions and Explosives of Concern (MEC) 35
6.10 Radioactive Materials 35
6.11 Other 35
7.0 REVIEW OF SPECIAL RESOURCES 36
7.1 Land Use 36
7.2 Coastal Zone Management 36
7.3 Wetlands 36
7.4 100-Year Floodplain 36
7.5 Natural Resources 36
7.6 Cultural Resources 37
7.7 Other Special Resources 38
8.0 CONCLUSIONS 39
9.0 LIMITATIONS 43
10.0 REFERENCES 45

LIST OF APPENDICES

APPENDIX A: FIGURES

Figure 1 General Site Location Map

Figure 2 Plan View Layout of Site

Figure 3 Interior Layout, First Floor, AFR Center Building

Figure 4 Interior Layout, Second Floor, AFR Center Building

Figure 5 Interior Layout of AMSA Building

Figure 6 1983 USGS Topographic Map, Tuscaloosa, Alabama

Figure 7 Flood Insurance Rate Map

Figure 8 1952 Aerial Photograph

Figure 9 1971 USGS Topographic Map, Tuscaloosa, Alabama

Figure 10 1978 USGS Topographic Map, Tuscaloosa, Alabama

Figure 11 1985 Aerial Photograph

Figure 12 1992 Aerial Photograph

Figure 13 1999 Aerial Photograph

Figure 14 National Wetlands Inventory Map

APPENDIX B: SITE RECONNAISSANCE PHOTOGRAPHS

APPENDIX C: PROPERTY ACQUISITION DOCUMENTS, ENVIRONMENTAL LIEN SEARCH, AND HISTORICAL CHAIN OF TITLE REPORT

APPENDIX D: PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

APPENDIX E: REGULATORY DATABASE SEARCH REPORTS AND AGENCY LETTERS

LIST OF ACRONYMS

ACM	asbestos-containing material
ADEM	Alabama Department of Environmental Management
AFR	Armed Forces Reserve
AMSA	area maintenance support activity
AR	army regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BNA	base neutral acid compound
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Activity (RCRA)
DoD	Department of Defense
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
HVAC	heating, ventilation and air conditioning
ICA	Internal Compliance Assessment
IFR	indoor firing range
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	Munitions and Explosives of Concern
MEP	military equipment parking

mg	milligram
NPL	National Priorities List
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/l	picoCuries per liter
POL	petroleum, oil, and lubricant
POV	privately-owned vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RQ	Reportable Quantity
RRC	Regional Readiness Command
RSC	Regional Support Command
Site	U.S. Armed Forces Reserve Center (AL045) and AMSA 154(G) (AL089)
SVOC	semi-volatile organic compound
TPH	total petroleum hydrocarbons
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank

1.0 INTRODUCTION

FMSM was contracted by the USACE – Louisville District, to prepare an ECP Report for the Woolsey Finnell Sr. AFR Center (AL045) and AMSA 154(G) (AL089). The facility is located at 2627 10th Avenue, Tuscaloosa, Alabama, hereafter referred to as the "Site" or "AFR Center". In support of the ECP Report, a visual reconnaissance of the Site was conducted on 1 August 2006. The purpose of the visit was to visually obtain information indicating the environmental condition of property at the Site.

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY REPORT

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

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

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA),

Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more – specifically, quantities exceeding 1,000 kilograms or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or one kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP Report address asbestos, lead-based paint, radon and other substances potentially hazardous to human health.

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

1.2 SCOPE OF SERVICES

This ECP Report covers the AFR Center located at 2627 10th Avenue in Tuscaloosa, Tuscaloosa County, Alabama. The property is bound by 27th Street and residential property to the south, a vacant structure and multi-family residential property to the north, a drainage ditch and multi-family residential property to the east, and the Tuscaloosa Housing Authority offices and residential housing project to the west. Site maps are provided in Appendix A. Appendix B provides photographs taken during the August 2006 site visit. Appendix C provides warranty deeds for the property environmental lien search, and historical chain of title information. Historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc., (EDR) reports and agency letters and responses.

This ECP Report classifies the property into one of seven DoD Environmental ECP categories as defined by Deputy Under Secretary of Defense S. Goodman Memorandum, “Clarification of ‘Uncontaminated’ Environmental Condition of Property at BRAC Installations” (21 October 1996). The property classification categories are as follows:

- Category 1 – Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).
- Category 2 – Areas where only the release or disposal of petroleum products has occurred.
- Category 3 – Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

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

2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

2.1 SITE LOCATION

The USAFR Center is located in the south-central portion of Tuscaloosa County, Alabama, within the city limits of Tuscaloosa, Alabama. The site is located in a primarily residential area. Figure 1 in Appendix A provides a general site location map.

2.2 ASSET INFORMATION

Facility Name and Address:	Woolsey Finnell Sr. Armed Forces Reserve Center (AL045) and AMSA 154(G) (AL089) 2627 10th Avenue Tuscaloosa, Alabama 35401
Property Owner:	United States Government
Date of Ownership:	18 April 1957
Current Occupant:	75th Combat Support Hospital, AMSA 154(G)
Zoning:	RMF-1
County, State:	Tuscaloosa County, Alabama
USGS Quadrangle(s):	Tuscaloosa, Alabama
Section/Township/Range:	Section 26, Township 21 South, Range 10 West
Latitude/Longitude:	33° 11' 14.4" N; 87° 33’ 3.3" W
Legal Description:	The AFR Center includes one parcel or tract of land, described in the Deed as Tract A-100. A copy of the deed and the EDR Environmental Lien Report, which include a legal description, is provided in Appendix C.

2.3 PHYSICAL DESCRIPTION

The AFR Center is situated on 5.01 acres of land with three permanent structures: a 23,428 square-foot AFR Center building, a 5,878 square-foot AMSA building, and a 2,272 square-foot dry storage building (referred to as the Butler building). Construction of the AFR Center building and AMSA building reportedly occurred in 1957. In the early 1970s a major addition was constructed to the west and north sides of the original 1950s AFR Center building structure. An addition to the AMSA building was

constructed in the early 1980s. The Butler building was reportedly constructed in the late 1990s.

The AFR Center building is a two-story structure and the AMSA building is single-story. Both buildings are constructed with concrete masonry unit walls covered with a brick veneer and steel bar joist roof support with steel roof deck and built-up roof. The second-story of the 1970s addition to the AFR Center building has a white stucco exterior finish. The Butler building is steel-framed with sheet metal exterior walls and a standing-seam metal roof. Each of the buildings has a concrete slab-on-grade.

A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area are also contained within the Site. The MEP parking includes two separately fenced and gated lots – one for the AMSA vehicles and one for vehicles managed by the 75th Combat Support Hospital unit. Photographs 1 and 2 in Appendix B provide views of the MEP and POV areas, respectively. Chain-link security fencing topped with razor wire encloses the MEP areas, the AMSA area, and the area located east of the AFR Center building. The POV parking area is accessible from 10th Avenue, and a locked gate secures the entrance during non-business hours. Approximately 85 percent of the Site is covered by impervious surface features (e.g., asphalt parking areas, driveways, concrete walkways, building footprints, etc.). Most of the MEP area is paved; however, a portion of the area near the east property line has a crushed stone surface. There is a narrow strip of landscaped area in front of the AFR Center building along 10th Avenue. Topographically, the Site slopes generally down to the east toward a ditch along the east property line. Stormwater runoff is by sheet flow across paved areas directly to the ditch on the east side of the Site or to concrete-lined discharge flumes along the north and south property lines. Figure 2 in Appendix A provides a plan view layout of the Site. Appendix B provides photographs taken during the August 2006 site visit.

The AFR Center building consists of a two-story, “T”-shaped structure. The original building, constructed in the late 1950s, was an “L”-shaped structure, and an addition in the mid-1970s, referenced on design drawings as the “Navy Addition”, completed the building in its current configuration. Photographs 3 and 4 in Appendix B provide a rear (east) view of the exterior of the building. Photograph 5 in Appendix B provides a view of the west face at the front of the building, which shows the 1970s addition. The interior of the AFR Center building consists of office space, classrooms, kitchen area, storage, a assembly hall, and an arms vault. Photographs 6 through 8 in Appendix B provide interior views of the AFR Center building. Figures 3 and 4 in Appendix A provide a layout of the interior first and second floor plans of the AFR Center building. Based on review of September 1981 design drawings that included plans to upgrade and expand the kitchen, there is a 1,000-gallon capacity grease trap located east of the kitchen addition. The grease trap is shown to be connected to the sanitary sewer. The

AFR Center building has a boiler room, and the building is heated with steam supplied from the industrial boiler.

The AMSA 154(G) (AL089) building is a one-story, rectangular-shaped structure. As shown on the floor plan in Figure 5 in Appendix A, the building includes three service bays for vehicle maintenance, office space, parts and tool storage, petroleum, oil and lubricant (POL) rooms, battery room, and restrooms. The facility staff was actively conducting vehicle maintenance activities in the building at the time of the site visit. Three overhead metal, retractable doors are located on the west wall of the building. The covered Wash Rack is located on the north side of the AMSA building. A wood frame storage structure, which was apparently constructed at a later time than the original AMSA building, is attached to the rear of the AMSA building. Photograph 9 in Appendix B shows the front (west) view of the AMSA building, including a portion of the covered Wash Rack. Photograph 10 in Appendix B shows the interior of a POL room.

The AMSA has trailers located outside for storage of tires and vehicle parts. Two exterior, concrete-paved vehicle maintenance areas are located northwest of the main AMSA building. Each area is curbed for containment of leaks or spills and has a grated inlet that discharges to an OWS located to the east of the containment area. The facility has a ramped platform located within the paved maintenance area; vehicles can be driven up on the ramp allowing maintenance technicians access under the vehicles. A steel hazardous materials storage shed is also located within the curbed concrete pad area. Photograph 11 in Appendix B shows the curbed maintenance area and hazardous materials storage building.

The AMSA has a covered area for storage of used vehicle fluids near the east side of the property. The area is paved with concrete, curbed for secondary containment, and has a steel-frame structure supporting a metal roof. The storage area includes a 400 to 500-gallon steel aboveground storage tank (AST) for used oil and 55-gallon drum containers for used hydraulic fluid and other fluids. Photograph 12 in Appendix B shows the covered, used fluids storage structure.

A Wash Rack is located to the north of the AMSA building. The Wash Rack is a paved concrete area with concrete curbs and a steel canopy roof structure. A grated inlet was observed in the covered concrete pad of the Wash Rack. Runoff from washing activities flows to the grated inlet and is carried to the OWS located to the north of the Wash Rack. Reportedly, the Wash Rack was upgraded to its present configuration in 1998 or 1999.

The Butler storage building is located near the southwest corner of the AMSA building. The building is rectangular in shape and constructed of structural steel with sheet metal exterior walls and a standing seam metal roof. The building is used for dry storage of supplies. Photograph 13 in Appendix B shows the Butler building.

Military vehicles awaiting service or recently serviced were located within the MEP area during the site visit. The AMSA facility services the following military cargo and troop carrier vehicles, which were present in the MEP lot:

- M1070 Heavy Equipment Transporter
- M998 Cargo/Troop Carrier
- M1078 Light/Medium Tactical Vehicle
- M35A3 2 ½-Ton Truck
- M939 5-Ton Truck

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Figure 6 in Appendix A provides a portion of the 1983 Tuscaloosa, Alabama, USGS topographic map that includes the Site. As shown, the Site is situated at an elevation of approximately 180 feet above mean sea level and is relatively flat. The surface slope in the site vicinity is to the north toward an unnamed drainage feature approximately ¼ mile north-northwest of the site. The predominant direction of flow of the streams nearest the Site is southwest.

On the Site, the land surface slopes down to the east-northeast to the ditch located adjacent to the east side of the Site. Stormwater sheet flows across the paved surfaces directly to the ditch on the east side. Runoff from the west side of the AMSA building sheet flows across paved areas to a concrete-lined channel that carries flow off the Site to a ditch on the south side of the property.

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Community Panel 01125C0516E indicates portions of the east side of the Site are included in the 100-year floodplain. According to the map, a portion of the Site is in Zone AE, and the base flood elevation is 181 feet referenced to the National Geodetic Vertical Datum of 1929. Figure 7 in Appendix A depicts a portion of the FIRM map that includes the Site.

2.4.2 Geology/Hydrogeologic Characteristics

According to the *Geologic Map of Alabama*, prepared by the Alabama Geological Survey, the site is situated on Quaternary-aged alluvial sediments overlying Mesozoic-aged sandstones, siltstones, and conglomerates from the Pottsville formation of the

Tuscaloosa group. Groundwater in the site vicinity likely flows to the north toward the unnamed drainage feature located north-northeast of the Site.

The area around the Site has been mapped as the Smithdale soil series by the Soil Conservation Service. The typical soil type for the general area is fine sandy loam that is well drained with moderate infiltration rates. The Smithdale soils do not meet the requirements for hydric soils. The water table is usually greater than six feet below the surface.

2.5 SITE UTILITIES

Water Service – The City of Tuscaloosa Water and Sewer Department provides potable water service to the Site.

Sanitary Sewer System – The City of Tuscaloosa Water and Sewer Department provides sanitary sewer service to the Site. The primary source of wastewater that is directed to the city sewer system includes non-process wastewater (bathrooms, sinks, etc.) and vehicle washing runoff.

Gas & Electric – Alabama Gas Corporation provides natural gas service to the Site, while Alabama Power Company provides electric service to the Site.

2.6 WATER SUPPLY WELLS & SEPTIC SYSTEMS

Based upon a review of available historical site and agency records and interviews with Site personnel, neither a water supply well nor a septic system is or was located at the Site.

A search of the USGS water well database identified no registered water wells located within 1/2 mile of the Site.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 2 November 1917. Appendix C contains an environmental lien search and historical chain of title report completed for the Site. A copy of the deed is also included. The environmental lien search did not identify any environmental liens or other activity and use limitations against the USAFR Center property. The historical chain of title report did not identify any institutional or engineering controls of record. According to the historical documentation, the United States of America was granted the Site on 18 April 1957, from Mrs. Nina Foster Searcy, widow of Joe Searcy. The Searcy family acquired the property from Frank M. Moody in February 1945.

Available business directories including City, cross-reference, and telephone directories were reviewed; however, the directories were available only for 2001 and 2005. According to *Polk's City Directory* information provided in an EDR report dated 26 July 2006, the U.S. Army Reserve Hospital, U.S. Army Reserve Training, and the U.S. Navy Reserve Training were listed at the 2627 10th Avenue address for both years that directory information is available.

Sanborn maps, which are a standard historical source of information, were available for the site vicinity for the years 1923, 1950, and 1967. The present location of the USAFR Center is shown as vacant and undeveloped on the 1923 and 1950 maps. On the 1967 Sanborn map, the Site is shown as developed with the U.S. Army Reserve Training Center.

Some design drawings for the Site were available at the 81st Regional Readiness Command (RRC) office in Birmingham, Alabama. The available information includes several design drawings for the original construction at the Site, which are dated March 1957.

Historical documentation supports the reported circa late 1950s construction date of the USAFR Center's AFR Center building and AMSA building. Appendix E includes a copy of the City Directory information and selected portions of the referenced Sanborn maps showing the Site vicinity.

3.2 PAST USES AND OPERATIONS

Based on documents reviewed for this ECP Report, the U.S. Government acquired the land for construction of the AFR Center in 1957. Construction of the AFR Center building and AMSA building reportedly occurred in 1957. Historical information sources suggest that the Site was owned by private individuals prior to its acquisition for the

USAFR Center. The Site appears to have served as a reserve and mobilization center for the U.S. Army Reserve since the U.S. Government acquired the land.

The past uses and operations at the Site have been interpreted based on interviews with Site and 81st RRC personnel, review of documents provided and referenced herein, and review of referenced design drawings available from the 81st RRC office in Birmingham, Alabama. The AMSA Supervisor, who has held that position since 1985, began working at the Site as a reservist in 1966 and became a civilian mechanic there in 1977. The AMSA Supervisor was not available on the day of the Site reconnaissance but was subsequently interviewed regarding current and past Site operations.

The Site primarily functioned as an administrative, logistical, and educational facility, with maintenance of military vehicles conducted in the AMSA building. The Site was historically used by reservists for drill activities on various weekends throughout the year. The units that have reportedly occupied the USAFR Center have been the 82nd Field Artillery, 325th Medical, Navy Seabees, 75th Combat Support Hospital, the AMSA 154(G), and various Navy reserve units.

Design drawings for the USAFR Center were reviewed at the 81st RRC offices. Information obtained from the drawings that is considered pertinent to this environmental condition of property report is summarized in the following paragraphs:

- March 1957: Original facility design drawings. The drawings specify a firing range formerly located along the interior west wall of the present assembly hall. The bullet stop area is shown along the interior of the south building wall near the southwest corner of the building.

- July 1973: Design drawings for the major addition to the west and north sides of the original 1950s structure and identified as the “Navy Addition”.

- March 1980: Design drawings for an addition to the south side of the AMSA building to add the battery room and POL rooms.

- September 1981: Design drawings for an addition to the kitchen, which is located in the AFR Center building on the east side of the assembly hall. The drawings specify adding a 1,000-gallon grease trap connected to the sanitary sewer.

- Late 1982 and Early 1983: Design drawings for the two exterior, concrete-paved vehicle maintenance areas located northwest of the main AMSA building. The drawings specify that grated inlets at each area discharge to an OWS.

- April 1991: Drawings detailing the removal of a 1,000-gallon fiberglass underground storage tank (UST).

- May 1997: Design drawings for replacing the Wash Rack. The drawings specify removal of an existing OWS and replacing it with a new OWS in the same location. The new OWS is specified to be a 350-gallon, double-wall, steel tank with a liquid level sensor and leak monitoring standpipe.

The AMSA building was used to conduct maintenance and repair activities on military vehicles and equipment. The AMSA activities reportedly included major repair and maintenance conducted on military vehicles and equipment that could not be performed by Reserve unit personnel during regularly scheduled weekend training sessions. In addition to supporting the 75th Combat Support Hospital, the AMSA reportedly has supported the 278th Transportation Company, the 365th Quartermaster Company, the 465th Quartermaster Company, 416th Replacement Company, the 813th Replacement Company, the 828th Transportation Battalion, and the 337th Military Intelligence Battalion.

An attempt was made to locate and review the original design drawings for the AMSA building. The drawings were not available; however, review of drawings from the late 1950s for similar AMSA buildings in the present 81st RRC indicate a “grease pit” in the one of the maintenance bays. According to the design details for similar AMSA facilities, the pit was to be 5-feet 4-inches deep and included an “oil receptor” trough at the center, low point of the pit. According to the details, the pit walls and floor, including the oil receptor, were constructed of cast-in-place concrete with no outlet. During the Site reconnaissance, a patched area of the AMSA building concrete floor was observed. The patch was approximately the size and configuration of the grease pit shown on the drawings and was observed in the maintenance bay where detailed on drawings at similar AMSA facilities. The patched area, shown in Photograph 14 in Appendix B, was interpreted to be the remnants of a former grease pit. The AMSA Supervisor later confirmed the facility had a grease pit.

Historical aerial photographs and topographic maps were another source of information used to interpret the past Site use. Figure 6 and Figures 8 through 13 in Appendix A provide USGS topographical maps and aerial views of the Site and surrounding areas in 1952, 1971, 1978, 1983, 1985, 1992, and 1999.

The 1952 USGS aerial photograph, (Figure 8, in Appendix A) shows the Site as undeveloped. The cross streets at the Site location, 10th Avenue and 27th Street, are shown in the photograph.

The 1971, 1978, and 1983 USGS topographical maps (Figures 9, 10 and 6, in Appendix A) do not depict structures on the Site.

The 1985 aerial photograph (Figure 11, in Appendix A) is difficult to interpret due to the quality of the photograph; however, it appears to show the AFR Center building and AMSA in their present configuration.

The 1992 and 1999 aerial photographs (Figures 12 and 13, in Appendix A) depict the site essentially in its present configuration; however, the 1999 photograph appears to show a larger number of vehicles in the MEP area than in the 1992 photograph.

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

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available site records and past reports, search of Federal and State environmental databases, and interviews with Reserve personnel.

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities, and janitorial services. FMSM did not find documentation or indications that janitorial chemicals and building maintenance-related products were stored in areas other than the designated storage areas in janitorial closets located in the AFR Center building.

The AMSA has apparently been in continuous use as a vehicle maintenance facility since its construction in the late 1950s. Vehicle maintenance products, including POL, batteries, solvent, paint, antifreeze, cleaning fluids, adhesives, and tires were stored on Site in and around the AMSA building during the Site reconnaissance, and similar materials have likely been used in the past, considering the purpose of the AMSA. During the Site reconnaissance, potentially hazardous materials and POL products were observed stored in the outdoor hazardous materials storage building located northwest of the AMSA building, in the POL rooms on the south side of the AMSA building, and in the battery room in the AMSA building. Used maintenance fluids, including motor oil and hydraulic fluid were observed stored in tanks or drums in the covered, bermed, structure located behind the AMSA building near the east property line.

Documents reviewed for this ECP evaluation revealed the following information regarding past hazardous materials use and storage:

- Waste sludge drums and fuel cans were stored outside but were moved inside the hazardous materials storage building. (1999)

- Used oil was stored in a 400-gallon trailer-mounted tank in the paved, bermed hazardous materials storage area. (1997)

- POL, detergents, antifreeze, paint, solvent, and battery acid were stored in the MEP area with direct exposure to precipitation, and stormwater.(1997)

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and were stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. According to documents provided, the AMSA was issued EPA ID number ALD982134025 in March 1990 and has been designated a Conditionally Exempt Small Quantity Generator of hazardous waste. Sufficient documentation was not available to determine whether substances were stored in excess of RQs.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. Based on available *Notification of Regulated Waste Activity* reports submitted to the ADEM for the years 2001, 2002, and 2005, the Site generated 2,400 to 4,000 pounds per year of used oil, 3,000 to 7,700 pounds of used batteries, and smaller quantities of waste paint, contaminated fuel, waste antifreeze, brake fluid and solvent.

Personnel from the 81st RRC provided documentation, in the form of non-hazardous waste manifests, of disposal of 1,320 gallons of OWS contents in May 2000. Records provided as part of this ECP documented removal of parts cleaner solvent by Safety-Kleen on 13 occasions between 1991 and 1994 with about 150 to 210 pounds removed on each occasion.

According to a soil sampling report dated June 2006, oil and grease concentrations of 130 milligrams per kilogram (mg/kg) and 80 mg/kg were encountered in the soil around the OWS at depths of 3 feet and 7 feet, respectively.

According to Site personnel and records, disposal of hazardous materials or wastes has not occurred at the Site. No stained soil or stressed vegetation considered indicative of disposal or releases of hazardous materials were observed during the August 2006 site visit. Additionally, the MEP and POV parking areas did not show signs of severe staining, and no noxious or foul odors were noted during the Site visit.

3.4 PAST PRESENCE OF BULK PETROLEUM STORAGE TANKS

Based upon a review of available site records, a search of Federal and State environmental databases, and interviews with Army Reserve personnel, two 1,000-gallon USTs storing diesel fuel were present on the property and located near the northeast corner of the AMSA building. According to the government records database search provided by Environmental Data Resources, a steel UST installed in 1964 was removed in 1988 and is listed as Permanently Closed in ADEM records. Tanks removed prior to 1988 were not regulated per Alabama UST regulations. The database

indicates a fiberglass UST installed in 1981 was removed in 1990 and is listed as Permanently Closed in ADEM records.

The data in the government records search is not consistent with Site records provided. Site records indicate a UST storing diesel fuel was removed in 1984 and was replaced at an unknown time with a fiberglass UST. Design drawings dated April 1991 and reviewed at the 81st RRC offices include requirements for removal of a 1,000-gallon fiberglass UST from near the northeast corner of the AMSA building.

The AMSA Supervisor recalled that in 1966 a UST was located in the present driveway between the north end of the AMSA and the Wash Rack, and a pump was located along the north wall of the AMSA building. He said the UST stored gasoline and was converted to diesel fuel in 1977. The AMSA Supervisor did not recall the dates of installation or removal of tanks, but he confirmed that a fiberglass tank was installed in the same location as a steel tank that was removed. He said the fiberglass tank remained in place for about one year before being removed.

No documentation was available regarding the removal of the USTs. Such documentation would typically include results of soil and groundwater sampling in the tank excavation.

An OWS is present on Site, and the design drawing documentation dated May 1997 indicates the current OWS is a 350-gallon, double-wall steel tank with a liquid level sensor, leak monitoring standpipe, and a high oil level alarm. The OWS receives discharge from the Wash Rack and the exterior, concrete-curbed vehicle maintenance areas. The OWS reportedly discharges to the municipal sanitary sewer system. The 1997 design drawing specifies removal of an OWS and replacement with the OWS presently on the site. No design details of the former OWS were available. No documentation was available for the removal of the former OWS. The AMSA Supervisor confirmed that the current OWS was installed in the same location as the former OWS, and the former OWS discharged to the municipal sanitary sewer.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

A review of site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 1997 Stormwater Pollution Prevention Plan (AMSA facility)

The Plan was prepared by the U.S. Geological Survey Water Resources Division for the 81st RRC. The document is required by 40 CFR 122 and identifies sources of potential pollution, describes Best Management Practices to minimize pollution, and provides

recommended actions. Information contained in the document that is pertinent to the subject ECP Report is described in the following paragraphs:

- The document states that the AMSA held Alabama General Stormwater Permit number ALD982134025.
- The Battery Room floor drain was reportedly connected to a septic tank system that has some capacity to neutralize battery acid, but no documentation of a septic tank was found by the Plan authors.
- The facility had a 400-gallon used oil storage tank on a trailer in the hazardous materials storage area.
- A table of "potentially polluting materials" stored on the property is in the Plan and the table lists antifreeze, aerosol paint, cleaning fluid, detergents, grease, methanol, paint thinner, adhesives, brake fluid, and fuel. Based on information in the table, the materials are stored in containers of 5-gallons or less.

3.5.2 1998 Federal Insecticide, Fungicide, and Rodenticide (FIFRA) Act Memorandum

The memorandum, dated 23 April 1998, was prepared by the AMSA Supervisor. The memorandum states that the facility completed a study to determine compliance with FIFRA requirements; pest management services are contracted to qualified vendors; and facility personnel do not apply, transport or store pesticides. A statement that FIFRA requirements do not apply to the AMSA is included.

3.5.3 1998 Complete Facility Assessment

The assessment was conducted by the 416th Engineer Command in accordance with the Environmental Compliance Assessment System developed by the Department of the Army to document compliance with Federal, State, and local laws and Department of Defense and Army regulations. The findings of the report are summarized in the following paragraphs:

- The report concluded the OWS for the Wash Rack appeared to be functioning. However, the report stated that the Wash Rack was out of compliance because during periods of rain, significant amounts of water flowing to the Wash Rack drain entered the OWS. The report appeared to conclude that the increased flow through the OWS from stormwater runoff could allow contaminants to enter the sanitary sewer. The facility responded that a contract had been awarded for upgrade, which was to include a new covered Wash Rack completed by the end of fiscal year 1999. The upgraded, covered Wash Rack, which is presently in

place, reduces the amount of stormwater entering the Wash Rack drain and the OWS.

- Recommendation that unit use drip pans under vehicles in the MEP area.
- No radon test results on file.
- Waste sludge drums, fuel cans and drip pans were left outside and uncovered.

3.5.4 2001 Asbestos Inspection Report

The Environmental Enterprise Group, Inc. prepared the report based on facility inspections conducted on 8 December 2001. Suspect asbestos-containing material (ACM) was identified and sampled in two of the three Site structures, and the results are summarized in the following paragraphs:

- AFR Center Building - Confirmed ACM in mudded fitting thermal system insulation (TSI), floor tile mastic, and window glazing.
- AMSA building - Confirmed ACM in mudded fitting TSI and assumed ACM in floor tile mastic, window glazing, and three types of 9-inch green floor tile.
- Storage building (Butler building) – No suspect ACM detected.

3.5.5 2002 Internal Compliance Assessment (ICA)

The 81st Regional Support Command (RSC) Deputy Chief of Staff Installation Management Environmental Division conducted the ICA at the AMSA and AFR Center building. The report included one finding for the AMSA and eight findings for the AFR Center building, and each of the findings was administrative in nature. The report states that each facility should be tested for radon gas. The AMSA Supervisor replied that radon test kits were ordered for both the AMSA and the AFR Center buildings, and the testing would be conducted until 30 September 2002.

3.5.6 2002 Air Quality Report

The 81st RSC conducted a survey to identify sources of air pollution emissions. In a memorandum dated 29 July 2002, the RSC concluded that no stationary or mobile air pollution sources that would require a Title V Air Pollution Control permit application were identified.

3.5.7 2002 Mold Report – Indoor Air Quality

This document is an After Action Report dated 28 August 2002, and was prepared by the 81st RSC. A representative from the 81st conducted a site visit to the AFR Center building to investigate a potential mold problem reported by the Site facility manager. Reportedly, several ceiling tiles had received water damage and were growing significant amounts of mold. According to the report, no active mold growth was noted during the site visit because the affected ceiling tiles had been removed and discarded. The report concluded that the cause of water damage and subsequent mold growth was condensation from HVAC pipes located above the suspended ceiling. The report recommended replacement of leaking valves and examination of insulation in the HVAC pipe system. The report recommended replacing damaged pipe insulation in leaking areas and where insulation appeared inadequate.

3.5.8 Radon Test Results

The test results were provided and include the radon concentrations from two detectors placed in the AFR Center building and AMSA building. The reported radon concentrations were 1.4 picoCuries per liter (pCi/l) in the AFR Center building and 2.0 pCi/l in the AMSA building. These concentrations are less than the U.S. Environmental Protection Agency (USEPA) recommended exposure limit of 4 pCi/l.

3.5.9 2004 ICA Internal Compliance Assessment

The 81st RRC Deputy Chief of Staff for Installation Management Environmental Division conducted the ICA at the AMSA and AFR Center buildings. The report included six findings for the AMSA and two findings for the AFR Center building, and each of the findings was administrative in nature.

3.5.10 2005 Architectural Evaluation

Brockington and Associates, Inc. prepared the *Intensive Architectural Survey of 33 Army Reserve Centers* for the 81st RRC. The purpose of this document was to inventory certain properties controlled or leased by the 81st RRC in Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina and South Carolina. Historical information, architectural information, and structure descriptions are included for each property. Each site was also assessed for its eligibility for the National Register of Historic Places (NRHP). The report concludes that the Site is not eligible for the NRHP.

3.5.11 2005 Spill Prevention, Control and Countermeasure Plan

The report, dated September 2005, was prepared by Environmental Enterprise Group, Inc., for the 81st RRC. The document is required by 40 CFR 112 for facilities that have a reasonable potential for discharging oil into waters of the United States or facilities

that store oil in quantities specified by the cited regulation. The Plan includes a description of the facility, inventory of oil and hazardous substances that are stored or handled, a description of equipment and countermeasures for diversion and containment of spills, and a description of deficiencies with recommendations for correction.

The listed facility deficiencies were related to locating spill response materials closer to the potential source of a spill. The document states that the facility had no record of spills occurring within the last 12 months.

3.5.12 2006 Soil Sampling Report

The report, dated June 2006, was prepared by Environmental Enterprise Group, Inc., for the 81st RRC, and describes soil sampling and testing around the OWS. Soil collected from two shallow borings was tested in the laboratory for oil and grease (USEPA Test Method 9071B). The test results indicated that two of six soil samples collected had oil and grease concentrations of 80 mg/kg and 130 mg/kg, which are above method detection limits. The ADEM action level for oil and grease is 100 mg/kg; therefore, one of the samples tested exceeded the ADEM action level.

3.5.13 2006 Lead-Based Paint Inspection Report

The report, dated June 2006, was prepared by Environmental Enterprise Group, Inc., for the 81st RRC. The Executive Summary and table of field test results were available for review during preparation of this ECP Report. The components of the buildings that reportedly contained lead-based paint (LBP) included:

- Steel columns, yellow concrete paint (exterior), and yellow ladder paint in the AMSA building.
- Steel components of stairwells (painted brown) in the AFR Center building.
- Yellow paint on concrete curbing outside the AFR Center building and on metal posts at the entrance to the POV parking area.

3.5.14 Additional Site Work and Documents Provided

Additional environmental work was conducted at the Site and additional historical reports provided to FMSM after the date of the site visit. These reports are included in Appendix D.

Asbestos Re-Inspection Report, November 2006. Confirmed and assumed ACM were inspected in November 2006. The confirmed ACM, friable TSI fittings, in the AFR Center building was observed to be in good condition except for one former sample

location. Encapsulation of that location was recommended. The confirmed ACM, friable TSI fittings, in the AMSA building was observed to be in good condition. The confirmed non-friable ACM floor tiles in the AFR Center building were observed to be in good condition. The confirmed non-friable ACM window glazing in the AFR Center building could not be assessed sufficiently. The assumed ACM in the AMSA building, floor tile and mastic and window glazing, was observed to be in good condition except for the floor tile in room 107. Sampling and possible abatement of damaged floor tile and mastic in room 107 was recommended.

ADEM UST Database Listing. Two USTs were recorded for the Site. One diesel UST was installed in 1964 and removed in 1988. One diesel UST was installed in 1981 and removed in 1990.

December 2006 Soil Sampling Report. A soil sample was collected in the vicinity of the OWS in November 2006. The soil sample was collected from a depth of three feet in the soil boring and was analyzed for TPH. The analysis result showed 46 parts per million (ppm) TPH in the soil sample. The ADEM UST Closure Site Assessment Guidance Manual recommends no further corrective action for any site that exhibits TPH concentrations in soil of 100 ppm or less. A soil sample was also collected from the vicinity of the former service pit in the AMSA building. Soil samples were collected from depths of 4 feet and 8 feet in the soil boring. The report states “The 4’ sample was analyzed for BNA’s because it was visually more contaminated than the 8’ sample. The 8’ sample was not analyzed.” BNAs are base neutral acid compounds that are also referred to as SVOCs. The 4-foot soil sample was analyzed for SVOCs by Method 8270. The analysis results showed no detectable SVOCs except phenol at 3.5 mg/kg. The ADEM preliminary screening value for phenol is 1,800 mg/kg for residential soil and 100,000 mg/kg for commercial soil.

4.0 ADJACENT PROPERTIES

Figure 13 in Appendix A provides a 1999 aerial view of the Site and adjacent properties. Based on the Site reconnaissance, the Tuscaloosa Housing Authority offices and residential complex is located across 10th Avenue to the west of the Site. A multi-family apartment complex and an abandoned structure, which appears to have originally been a drive-in restaurant, bound the Site to the north. The abandoned structure had a sign "R&R Auto Detailing and Car Wash", likely indicating its recent use. The Site is bound on the east by a drainage feature and multi-family residential apartments beyond and to the south by 27th Street and single-family residential beyond. Table 1 provides a list of adjacent properties and their directional location with respect to the Site. The zoning of the adjacent parcels is also listed in Table 1. Photographs 15 through 18 in Appendix B provide views of adjacent properties and surrounding land use.

TABLE 1
LIST OF ADJACENT PROPERTIES

Direction From Site	Name/Type of Property	Address(es)	Zoning
North	Apartment Complex and Abandoned Structure / Residential	2507 10th Avenue and 2515 10th Avenue	RMF-1 and Business Neighborhood
South	27th Street / Residential	821 to 915 27th Street	R-4 and RMF-1
East	Charleston Square Apartments / Residential	800 27th Street	RMF-1
West	Tuscaloosa Housing Authority Apartments / Residential	2700 10th Avenue	RMF-1

Appendix A and Appendix E provide historical aerial photographs, topographic maps, EDR Reports, Sanborn maps, and City directory information, which were used to evaluate potential environmental impacts on adjacent properties that may have also impacted the environmental condition at the Site. The general land use for surrounding properties does not appear to cause concern regarding the environmental condition of property at the AFR Center.

The 1923 Sanborn map (Appendix E), which is the earliest readily available source of historical information, indicates that neither 10th Avenue (current Site address) nor 27th Street (presently south of the Site) had been constructed. According to the map, the closest development to the Site is along Adair Street, which is presently known as 11th Avenue, and is located several hundred feet west of the Site.

The 1950 Sanborn map (Appendix E), depicts residential dwellings along 27th Street, located south of the present Site location, and along a portion of 10th Avenue south of 27th Street. Both 10th Avenue and 27th Street are shown as "unpaved". The map indicates the portion of 27th Street that houses the present Site address had not been constructed, and no development is depicted on the Site property.

The 1952 USGS aerial photograph (Figure 8, in Appendix A) shows the Site as undeveloped. The cross streets at the Site location, 10th Avenue and 27th Street, are shown in the photograph. The City of Tuscaloosa Housing Authority and residential development, presently located across 10th Avenue to the west of the Site, appear in the photograph. The apartment complex presently located north of portions of the Site appears in the photograph. The area to the east of the Site appears undeveloped, and the area to the south appears to show single-family residential dwellings.

The 1967 Sanborn map (Appendix E) depicts the Site developed with the U.S. Army Reserve Training Center. The present location of the Tuscaloosa Housing Authority and residential complex west of the Site is depicted as Rosedale Courts Apartments. The property to the east of the Site is listed as vacant. The property north of the Site is depicted as developed with a structure labeled "Rest.", which is interpreted to be a restaurant and a nearby shed. The configuration of the structures shown on the Sanborn map appears similar to the structures observed on the property during the Site and adjacent property area reconnaissance conducted for this ECP Report.

The 1971, 1978, and 1983 USGS topographic maps (Figures 9, 10, 6, in Appendix A) do not depict structures on the Site or on adjacent properties to the north, south or west. The 1971 topographic map depicts no structures adjacent to the site to the east; however, the 1978 and 1983 maps depict a structure to the east with a configuration similar to the Charleston Square Apartments presently located east of the Site.

The 1985, 1992, and 1999 USGS aerial photographs, (Figures 11, 12, 13, in Appendix A) depict adjacent properties similar to their current configuration.

5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP is the review of reasonably obtainable Federal, State, and local government records for the Site and surrounding properties, where there has been a release or likely release of a hazardous substance or a petroleum product, and which is likely to cause or contribute to a release or threatened release of a hazardous substance or a petroleum product on the Federal real property. A regulatory database summary was acquired from EDR on 14 July 2006. The regulatory database summary consolidates standard Federal, State, local, and tribal environmental record sources based on ASTM recommended minimum search distances from the Site. A copy of the EDR report is included in Appendix E.

5.1 FEDERAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 2 below was obtained from the EDR federal regulatory database search report. Sites identified by this database search are discussed in the following subsection.

TABLE 2
FEDERAL DATABASE SEARCH

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
Delisted NPL	1.000		0	0	0	0	NR	0
NPL Recovery	TP		NR	NR	NR	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
CERC-NFRAP	0.500		0	0	0	NR	NR	0
CORRACTS	1.000		0	0	0	0	NR	0
RCRA TSD	0.500		0	0	0	NR	NR	0
RCRA Lg. Quantity Gen	0.250		0	0	NR	NR	NR	0

TABLE 2
FEDERAL DATABASE SEARCH

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
RCRA Sm. Quantity Gen	0.250		0	0	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
DoD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
US Brownfields	0.500		0	0	0	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0

TABLE 2
FEDERAL DATABASE SEARCH

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
MLTS	TP		NR	NR	NR	NR	NR	0
MINES	0.250		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0

TP = Target Property; NR = Not Required

5.1.1 Federal RCRA Small and Large Quantity Generators List Within 1/4 Mile

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

- The AFR Center is not listed as a small or large quantity generator by the EDR report; however, the Complete Facility Assessment conducted by 81st RSC personnel in 1998 states that "…the facility is considered a Small Quantity Generator per State law". During the reconnaissance for this ECP Report, site contacts reported the facility is a Conditionally Exempt Small Quantity Generator and was issued EPA ID number ALD982134025.

According to the EDR report, no small or large quantity generators are situated within 1/4 mile of the Site.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 3 was obtained from the EDR State and Local regulatory database search report. Sites identified by this database search are discussed in the following subsections. Written requests for state environmental records were submitted to the ADEM Air Division, Water Division, and Solid Waste Branch and to the Alabama Department of Public Health. Copies of the letters sent to each agency, as well as responses received to date, are included in Appendix E.

TABLE 3
STATE DATABASE SEARCH

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
State Haz. Waste	1.000		0	0	0	0	NR	0
State Landfill	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	4	NR	NR	4
AOCONCERN	1.000		0	0	0	0	NR	0
UST	0.250	X	1	0	NR	NR	NR	1
LAST	0.500		0	0	0	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROLS	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Brownfields	0.500		0	0	0	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0

TP = Target Property; NR = Not Required

5.2.1 State-Registered Leaking UST (LUST) Sites Within 1/2 Mile

The Site itself is not listed in the State LUST database. According to the EDR report, four LUST sites were identified within ½-mile of the USAFR Center:

- Circle C #8, 925 Hargrove Rd., which is reportedly 2,101 feet north-northeast of the Site and at a relatively higher elevation. The EDR report indicates that the site had three unleaded gasoline storage tanks with

capacities of 3,000 or 4,000 gallons. The tanks were reportedly removed in 1999 and are currently listed as Permanently Closed. A No Further Action designation has not been assigned for the property. The Circle C #8 facility is located on the opposite side of a drainage feature and is not believed to pose a "high risk" to the Site.

- Raceway #717, 3127 9th Street, which is reportedly 2,354 feet south-southeast of the Site at a relatively higher elevation. According to the EDR report, two incidents were associated with the property. The site received a No Further Action letter from the ADEM indicating no further investigative or corrective actions were required at the property.

- Sullivan Chevron, 3210 9th Street, which is reportedly 2,423 feet south of the Site at a relatively higher elevation. The EDR report lists details for four storage tanks. The tanks contained unleaded gasoline or diesel fuel and had capacities of 1,000 or 3,000 gallons. The tanks were reportedly removed in 1992 and are currently listed as Permanently Closed. According to the EDR report, the site received a No Further Action letter from the ADEM indicating no further investigative or corrective actions were required at the property.

- Former Texaco Station/Parker Property, 2403 Greensboro Ave., which is reportedly 2,535 feet west-northwest of the Site at a relatively lower elevation. The EDR report does not list details regarding the tanks, but according to the EDR report, the site received a No Further Action letter from the ADEM indicating no further investigative or corrective actions were required at the property.

5.2.2 State-Registered UST Sites Within 1/4 Mile

The AFR Center is included on the list of UST sites. According to the EDR report, one additional UST site was identified within 1/4 mile of the AFR Center. Table 4 lists the sites along with their address and elevation relative to the Site.

TABLE 4
UNDERGROUND STORAGE TANK SITES

Company/Site	Address	Distance and Direction from Site	Tank Status	Closure Status	Elevation Relation to Site
Tuscaloosa Army Reserve Center	2627 10th Avenue, Tuscaloosa, AL 35401	Site	1 – 1,000-gallon steel, diesel tank- Permanently Closed 1 – 1,000-gallon fiberglass diesel tank Permanently Closed	Permanently Closed	Equal
Tuscaloosa Housing Authority	2808 10th Avenue, Tuscaloosa, AL 35401	Approximately 606 feet south	1 -1,000-gallon steel tank Permanently Closed 1 – 3,000 gallon fiberglass tank Currently in Use	Permanently Closed In-Use	Higher

One UST is reportedly located at the Tuscaloosa Housing Authority facility, which is located across 10th Avenue from the Site. The tank reportedly contains unleaded gasoline and has a capacity of 3,000 gallons. The tank and piping are reportedly constructed of fiberglass or fiberglass reinforced plastic. Reportedly, no documented releases have occurred at this site. The groundwater flow direction in the site vicinity is likely to the north toward an unnamed drainage feature and the current and former tanks at the Tuscaloosa Housing Authority would not be considered “high risk” with respect to the USAFR Center.

5.2.3 Local Emergency Agency Correspondence

Mr. Curtis Dykes, the Fire Marshal for the City of Tuscaloosa, was contacted regarding any responses the Fire Department might have made to the Site. Mr. Dykes advised that there is no record of any fires or calls to the Site.

5.2.4 Other

The Stormwater Pollution Prevention Plan provided by the 81st RRC states the USAFR Center carries an Alabama General Permit for stormwater discharge. Apparently, at one time, the Site carried a Stormwater Discharge Permit Number ALG140727. Site records provided included a Non-Compliance Notification from ADEM's Water Division Industrial Branch dated May 2001 because the Site did not submit required semiannual stormwater discharge monitoring results for the second half of 2000. The records provided include copies of submittals of the discharge monitoring reports for 2001 and 2002. The requirement for a Site Stormwater Discharge Permit was removed, based on a 1 July 2002, letter from ADEM, with a no exposure certification.

The City of Tuscaloosa issued a discharge permit to the AMSA facility on 31 January 1990, granting permission to connect to the sanitary sewer system and discharge pretreated wastewater from the OWS.

Records provided indicate the Site received a Scrap Tire Receiver Registration S000000917 from ADEM dated October 2004. The authorization allows the facility to store or accumulate scrap tires and to offer for transportation scrap tires to permitted scrap tire transporters. The registration requires that shipments of scrap tires from the Site be accompanied by a manifest. The ADEM Scrap Tire Unit of the Waste Programs Branch conducted a facility inspection in April 2006, and no violations were observed.

5.3 TRIBAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 5 was obtained from the EDR's Tribal database search report.

TABLE 5
TRIBAL DATABASE SEARCH

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
Indian Reservation	1.000		0	0	0	0	NR	0

NR = Not Required

According to the EDR report, no sites were located within the designated radius for the searched Tribal Database.

5.4 EDR PROPRIETARY RECORDS

The regulatory information presented in Table 6 was obtained from the EDR's Proprietary Records database search report.

TABLE 6
EDR Proprietary Database Search

Database	Search Distance (miles)	Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total Plotted
Manufactured Gas Plants	1.000		0	0	0	0	NR	0
EDR Historical Auto Stations	TP		NR	NR	NR	NR	NR	0
EDR Historical Cleaners	TP		NR	NR	NR	NR	NR	0

TP = Target Property; NR = Not Required

According to the EDR report, no sites were located within the designated radius for each of the searched EDR Proprietary Databases.

5.5 UNMAPPED SITES

The EDR database search yielded thirteen unmapped sites in the same ZIP code as the Site and eleven unmapped sites with no ZIP Code information. Unmapped sites are those with insufficient address information such that they cannot be identified or can be identified only as within the ZIP code of the Site. Efforts to locate these sites and assess their relevance to this ECP Report were made using the mapping utility provided at maps.google.com and searching for listed site names in on-line directories. The locations of seven of the unmapped sites listed in the Site's ZIP Code were identified and mapped. None of the seven unmapped sites that were able to be identified appeared to be located within corresponding ASTM search radius distance.

5.6 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO THE SITE

To summarize Subsections 5.1 through 5.5, five separate properties, in addition to the USAFR Center, were evaluated as potential risk properties to the Site. The properties evaluated were identified as a result of information obtained during area reconnaissance and regulatory database searches and are listed in Table 7.

TABLE 7
PROPERTIES EVALUATED FOR POTENTIAL ENVIRONMENTAL RISKS

Company/Site	Database	Elevation in Regards to Site	High Risk to Site	Comment
Circle C #8, 925 Hargrove Rd Tuscaloosa, AL 35401	LUST	Higher	No	Permanently Closed, Tanks are 2000+ feet from USAFR Center
Raceway #717, 3127 9th Street Tuscaloosa, AL	LUST	Higher	No	No Further Action Issued
Sullivan Chevron, 3210 9th Street Tuscaloosa, AL 35401	LUST	Higher	No	No Further Action Issued
Tuscaloosa Army Reserve Center, 2627 10th Avenue, Tuscaloosa, AL 35401	UST	Site	No	Permanently Closed
Former Texaco Station/Parker Property, 2403 Greensboro Ave K-Mart #3132	LUST	Lower	No	No Further Action Issued
Tuscaloosa Housing Authority, 2808 10th Avenue, Tuscaloosa, AL 35401	UST	Higher	No	1 Permanently Closed and 1 Currently in Use

Based on an evaluation of available site information and details concerning the properties listed in Table 7, none of the facilities evaluated are classified as “High Risk”. “High Risk” properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the 1 August 2006 site and area reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

6.1 UNDERGROUND/ABOVEGROUND STORAGE TANKS

The Site currently has an OWS that was constructed to accept runoff from the Wash Rack and the outdoor, paved, curbed maintenance areas. Based on review of Site documents, the OWS is a 350-gallon double-wall, steel tank with a liquid level sensor, leak monitoring standpipe and high level oil alarm. The tank reportedly discharges to the municipal sanitary sewer. The AMSA Supervisor stated that no vehicle maintenance consisting of fluid handling, such as filling or draining fluids or cleaning or washing, is conducted in the paved, curbed maintenance areas.

Presently, the Site does not have USTs. Two underground fuel storage tanks historically existed on Site. A steel UST was reportedly removed in 1988 and replaced with a fiberglass tank. The fiberglass tank was reportedly removed in 1990.

The AMSA has a covered area for storage of used vehicle fluids near the east side of the property. The area is paved with concrete, curbed for secondary containment, and has a steel-frame structure supporting a metal roof. The storage area includes a 400 to 500-gallon steel AST for used oil and 55-gallon drum containers for used hydraulic fluid and other fluids (see Photograph 12 in Appendix B). The POL storage rooms on the south side of the AMSA building contain 55-gallon drums of hydraulic fluid, motor oil, and grease that serve the overhead fluid dispensing system in the building's maintenance bays. Additional drums of such fluids and solvent are stored in the POL rooms.

A white, wood-frame storage building attached to the rear of the AMSA building includes five separate storage rooms. Two of the five rooms, which are managed by AMSA staff, were accessible during the Site reconnaissance. The storage rooms included empty drums that were labeled for motor oil, hydraulic fluid, and asbestos. The remaining three storage rooms were locked and inaccessible.

6.2 INVENTORY OF CHEMICALS / HAZARDOUS SUBSTANCES

Janitorial chemicals and building maintenance-related products were observed stored in designated storage areas within the janitorial closets located in the AFR Center building.

The Hazardous Materials Storage Shed, located in the curbed area outside the AMSA building, contained paint thinner, used thinner and paint waste, asphalt cement, waste antifreeze, used brake fluid, used solvent and 2½-gallon containers of fuel.

Compressed gases were stored in a protected area outside the south side of the AMSA building, and a torch with small oxygen and acetylene compressed gas cylinders was observed in one of the storage rooms in the building behind the AMSA building. Vehicle batteries were stored in the battery room; reportedly the batteries are now managed by an outside vendor, and Site personnel do not routinely handle liquid battery acids. Vehicle maintenance products, including POL products, gear oil, transmission fluid, spray paint containers, detergents, and herbicide, were observed in the AMSA building.

6.3 WASTE DISPOSAL SITES

There were no signs of landfilling or illegal waste disposal activities at the Site during the August 2006 reconnaissance.

6.4 PITS, SUMPS, DRYWELLS, AND CATCH BASINS

The patched concrete floor in the former AMSA building and the design details on similar original facility engineering drawings suggest that a grease pit was present. The pit reportedly included concrete walls and floor that sloped to an oil receptor trench in the bottom of the pit. The AMSA Supervisor reported that the pit was filled at some time between 1966 and 1972. Soil sampling was conducted in the AMSA building after the site visit and is summarized in Section 3.5.14.

The Battery Room in the AMSA building has a floor drain, which reportedly includes a sump that neutralizes acid in the event it would reach the drain. No other details regarding the sump were available. The Site does not routinely handle battery acid, and battery maintenance is contracted to an outside vendor.

During the site reconnaissance, a manhole cover with a locked lid was noted in the concrete-paved, covered, employee break area located south of the AFR Center building, as shown in Photograph 19 in Appendix B. A riser pipe or potential fill pipe located next to the manhole suggests the possible presence of a pit, sump, or tank; however, site personnel interviewed for this ECP Report did not know the nature of the structure.

Based on review of 1981 design drawings for the kitchen addition, a 1,000-gallon grease trap is located east of the addition. According to the design drawing, the trap discharges to the sanitary sewer. Site personnel are not aware of the presence of a buried grease trap. A vertical pipe was observed protruding from the ground surface and extending above the roofline of the building near the entrance to the kitchen on the AFR Center building's east side. The purpose of the pipe is unknown; however, it could possibly be a vent pipe for a buried structure. Site personnel interviewed for this ECP did not know the purpose of the pipe. Photograph 20 in Appendix B shows the vertical pipe near the kitchen entrance.

Floor drains are located within the kitchen area, boiler room, and restrooms. The floor drains reportedly ultimately discharge to the municipal sanitary sewer.

The Wash Rack area located next to the AMSA building has a trench drain connected to an OWS located to the north of the Wash Rack. The OWS reportedly discharges to the municipal sanitary sewer, and a sanitary sewer manhole was observed near the OWS.

Stormwater sheet flows to the south and east. Most of the runoff is discharged by sheet flow to the drainage feature located east of the property; however, some roof runoff is collected by a grated yard inlet located in the grassy area north of the kitchen addition.

6.5 ASBESTOS CONTAINING MATERIAL

After a December 2001 building inspection and survey, Environmental Enterprise Group, Inc., concluded that confirmed ACM is located in the AFR Center building in the form of friable TSI and non-friable floor tile mastic and window glazing. ACM was confirmed in the AMSA building in the form of friable TSI. Non-friable floor tile and mastic, and window glazing were assumed to be ACM in the AMSA building. Floor tile, window glazing and piping insulation observed during the site visit appeared in good condition. A November 2006 Asbestos Re-Inspection Report stated that one location of TSI in the AFR Center building should be encapsulated, and the floor tile and mastic in room 107 of the AMSA building was damaged and should be sampled and possibly abated.

The AMSA Supervisor recalled that removal of asbestos on gas heater exhaust piping in the AMSA building was conducted in the early 1990s; however, no records of the removal were available.

The 81st RRC personnel provided a copy of an *Asbestos Operations and Maintenance Plan* that includes the USAFR Center. The Executive Summary of the Plan recommends removal of the friable thermal system insulation in the AFR Center building and AMSA building. No records of asbestos removal or other abatement activities were available. The *Asbestos Operations and Maintenance Plan* includes requirements for management of remaining ACM.

6.6 POLYCHLORINATED BIPHENYL CONTAINING (PCB) EQUIPMENT

Three pole-mounted transformers are located on Site in the grassy area to the south of the north wing of the AFR Center building. The 81st RRC staff provided a letter dated 3 December 1998, from Alabama Power stating that the three Cooper transformers were manufactured in 1998 and are classified as “No PCB”.

PCBs may be contained in light ballasts in older type fluorescent light fixtures. Any light ballast not marked with "No PCBs" should be assumed to contain PCBs and

management and disposal of these light ballasts must be in accordance with local, State and Federal requirements. The light ballasts within the overhead fluorescent light fixtures were not observed during the Site reconnaissance.

6.7 LEAD

Painted surfaces observed during the site visit appeared in good condition. Documents provided for review included the portions of a June 2006 LBP survey report. The components of the buildings that contained LBP included:

- Steel columns, yellow concrete paint (exterior), and yellow ladder paint in the AMSA building.
- Steel components of stairwells (painted brown) in the AFR Center building.
- Yellow paint on concrete curbing outside the AFR Center building and on metal posts at the entrance to the POV parking area.

According to design drawings reviewed for the ECP report, the AFR Center building included a firing range formerly located in the present assembly hall. FMSM did not encounter documentation stating when the indoor firing range (IFR) was decommissioned or if a closure report with confirmatory sampling was prepared. During the August 2006 Site reconnaissance, no remnants of the IFR were observed. No records were found documenting cleanup of lead from the former IFR or the HVAC system serving the former IFR.

6.8 RADON

The documents provided for review during preparation of this ECP Report include an internal facility environmental assessment finding of “No records found of radon testing” dated 1999. The Corrective Action for the finding suggests that radon test results were later found; however, radon test results prior to 2002 were not included in the documents provided for this ECP Report.

Site records include a report entitled *Radon Monitor Test Results* prepared by RSSI in October 2002. Apparently, according to the report, alpha-track radon monitors were placed by site or 81st RRC personnel and were sent to a firm reported only as RSSI for analysis. The reported exposure dates suggest the devices were in-place at the Site for approximately 60 days from August to September 2002. The reported radon concentrations were 1.4 pCi/l in the AFR Center building and 2.0 pCi/l in the AMSA building.

The EDR report includes area radon information provided by the Alabama Department of Public Health and the U.S. Geological Survey for various counties. The State of

Alabama data, which is based on 29 sites in Tuscaloosa, Tuscaloosa County, and ZIP Code 35401, concludes that 26 sites had radon concentrations of less than the USEPA recommended exposure limit of 4 pCi/l. Three sites in the database had a radon concentration equal to or greater than 4 pCi/l.

In addition, the USEPA Map of Radon Zones for Tuscaloosa County, Alabama confirms that the county lies within Zone 2, which has moderate potential for radon, with a predicted average indoor screening level of 2 to 4 pCi/l.

6.9 MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)

There is an active arms vault in the AFR Center building. Only small arms and small arms ammunition are kept in the arms vault. No evidence was found during the August 2006 site reconnaissance or records review process of the current or past use, storage or disposal of MEC, including unexploded ordnance, at the Site.

6.10 RADIOACTIVE MATERIALS

During the August 2006 Site reconnaissance, a radioactive materials sign was noted in the Butler building. The radiac units used for radiation detection are stored in this area and reportedly have a small radioactive source. Site personnel reported that the source does not require a Nuclear Regulatory Commission radioactive materials license or permit.

6.11 OTHER

During the August 2006 Site reconnaissance, mold was noted on several ceiling tiles in the AFR Center building.

7.0 REVIEW OF SPECIAL RESOURCES

7.1 LAND USE

Figure 13 in Appendix A provides a 1999 aerial photograph of the USAFR Center and surrounding properties and depicts current land use. According to the City of Tuscaloosa's Community Planning and Development Department, the Site is zoned RMF-1. The site is located in a primarily residential area.

7.2 COASTAL ZONE MANAGEMENT

The Alabama Department of Conservation and Natural Resources and the Alabama Department of Environmental Management (ADEM) are the lead agencies for the Alabama Coastal Area Management Program and the Alabama State Nonpoint Source Pollution Management Program. According to the ADEM webpage, the boundary of the coastal management program does not extend into Tuscaloosa County. Due to the distance between the Site and the Gulf, activities at the Site would not impact sensitive coastal resources.

7.3 WETLANDS

The U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) map currently has no electronic data coverage at the Site location. In addition, soils at the Site are classified as Springhill silt loam, which do not meet the requirements of a hydric soil. Based on a review of USGS topographic maps, aerial photography, and soils information it is unlikely that jurisdictional wetlands occur at the Site or its adjacent properties. Figure 14 in Appendix A provides an NWI map illustrating wetlands in the immediate vicinity.

7.4 100-YEAR FLOODPLAIN

The FEMA Flood Insurance Rate Map (FIRM), Community Panel 01125C0516E indicates portions of the east side of the Site are included in the 100-year floodplain. According to the map, a portion of the Site is in Zone AE, and the base flood elevation is 181 feet referenced to the National Geodetic Vertical Datum of 1929. Figure 7 in Appendix A depicts a portion of the FIRM that includes the Site.

7.5 NATURAL RESOURCES

According to the USFWS, the threatened or endangered species known to occur in Tuscaloosa County, Alabama are presented in Table 8. No determination concerning the occurrences of these species or their potential habitat is rendered here.

TABLE 8
FEDERALLY THREATENED AND ENDANGERED SPECIES KNOWN TO OCCUR IN TUSCALOOSA COUNTY, ALABAMA

Common Name	Scientific Name	Federal Status
Bald eagle	*Haliaeetus leucocephalus*	Endangered
Red-cockaded woodpecker	*Picoides borealis*	Endangered
American peregrine falcon	*Falco peregrinus anatum*	Endangered
Southern clubshell mussel	*Pleurobema decisum*	Endangered
Dark pigtoe mussel	*Pleurobema furvum*	Endangered
Ovate clubshell mussel	*Pleurobema perovatum*	Endangered
Flattened musk turtle	*Sternotherus depressus*	Threatened
Alabama moccasinshell mussel	*Medionidus acutissimus*	Threatened
Inflated heelsplitter mussel	*Potamilus inflatus*	Threatened
Fine-lined pocketbook mussel	*Lampsilis altilis*	Threatened
Orange-nacre mucket mussel	*Lampsilis perovalis*	Threatened

The 1998 Complete Facility Assessment report concluded “there were no known threatened wildlife in the area”.

7.6 CULTURAL RESOURCES

Brockington and Associates, Inc. prepared the *Intensive Architectural Survey of 33 Army Reserve Centers* for the 81st RRC. The purpose of this document was to inventory certain properties controlled or leased by the 81st RRC in Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina and South Carolina. Historical information, architectural information, and structure descriptions are included for each property. Each site was also assessed for its eligibility for the NRHP. The report concludes that the Site is not eligible for the NRHP. The Site does not appear on the NRHP.

7.7 OTHER SPECIAL RESOURCES

A review of other special resources was conducted which included a search for various federally managed and protected lands within or near the Site. The Site is not within an Officially Designated Wilderness Area according to wilderness.net. It is not within a National Wetlands Management District according to the USFWS. The National Park Service does not include the Site on the Wild and Scenic Rivers and Trails lists.

8.0 CONCLUSIONS

FMSM was contracted by the USACE, Louisville District, to prepare an ECP Report for the Woolsey Finnell Sr. AFR Center, located at 2627 10th Avenue Tuscaloosa, Tuscaloosa County, Alabama. The Site is currently occupied by the 75th Combat Support Hospital and the area maintenance support activity (AMSA) 154(G). The Site has primarily functioned as an administrative, logistical, and educational facility, and vehicle maintenance is conducted in the AMSA building.

Findings of this ECP report are based on existing environmental information, including visual observations, site records, Federal, State, and local database and file information, related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following paragraphs present the findings related to the environmental condition of property that was evaluated during the ECP process.

- **Aboveground Storage Tanks -** The AMSA has a covered area for storage of used vehicle fluids near the east side of the property. The area is paved with concrete, curbed for secondary containment, and has a steel-frame structure supporting a metal roof. The storage area includes a 400 to 500-gallon steel AST for used oil.

- **Adjacent Properties –** Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site, were evaluated. The property located across 10th Avenue to the west of the Site owned by the Tuscaloosa Housing Authority reportedly has an underground storage tank. The adjacent property is higher than the Site, but the groundwater gradient flow direction is to the north, away from the Site. The adjacent property does not pose a “High Risk” to the Site.

- **Asbestos –** A December 2001 asbestos inspection report concluded that confirmed ACM is located in the AFR Center building in the form of friable thermal system insulation and non-friable floor tile mastic and window glazing. ACM was confirmed in the AMSA building in the form of friable thermal system insulation and non-friable floor tile and mastic, and window glazing were assumed to be ACM in the AMSA building. A November 2006 Asbestos Re-Inspection Report stated that one location of TSI in the AFR Center building should be encapsulated, and the floor tile and mastic in room 107 of the AMSA building was damaged and should be sampled and possibly abated.

- **Hazardous Substances –** Chemicals used and stored at the Site were associated with vehicle and facility maintenance activities, and janitorial services. FMSM did not find documentation or indications that janitorial chemicals and

building maintenance-related products were improperly used, stored in areas other than the designated storage areas, or improperly disposed.

The AMSA has apparently been in continuous use as a vehicle maintenance facility since its construction in the late 1950s. Vehicle maintenance products, including petroleum, oil, and lubricants (POL), batteries, solvents, paint, antifreeze, cleaning fluids, adhesives, and tires were stored on Site in and around the AMSA building during the Site reconnaissance, and similar materials have likely been used in the past.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and were stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. According to documents provided by the 81st RRC, the AMSA was issued EPA ID number ALD982134025 in March 1990 and has been designated a Conditionally Exempt Small Quantity Generator of hazardous waste. Sufficient documentation was not available to determine whether substances were stored in excess of RQs.

FMSM did not find documentation indicating that the chemicals used or stored were improperly handled, released, or disposed at the Site. Therefore, based on the documentation available and discussions with site personnel, FMSM did not encounter conditions indicating that the past use and storage of hazardous substances have negatively impacted environmental conditions at the Site. It should be noted, however, that vehicle maintenance activities began at the Site in the late 1950s. Historical records of use, storage and disposal of hazardous substances are limited to the past 5 to 10 years of site activities.

- **Indoor Firing Range -** The AFR Center building reportedly included an IFR formerly located in the present assembly hall. No records were encountered documenting cleanup of lead in the former IFR or its HVAC system.

- **Lead-Based Paint –** Painted surfaces observed during the site visit appeared in good condition. Based on a 2006 lead-based paint survey, the paint on various components of the buildings and Site were found to contain lead:

    - Steel columns, yellow concrete paint (exterior), and yellow ladder paint in the AMSA building.

    - Steel components of stairwells (painted brown) on stairwells in the AFR Center building.

    - Yellow paint on concrete curbing outside the AFR Center building and on metal posts at the entrance to the POV parking area.

- **Munitions and Explosives of Concern -** There is an active arms vault in the AFR Center building. Only small arms and small arms ammunition are kept in the arms vault. No evidence was found during the August 2006 Site reconnaissance or records review process of the current or past use, storage or disposal of MEC, including unexploded ordnance, at the Site.

- **Oil/Water Separator –** The Site currently has an OWS that was constructed to accept runoff from the Wash Rack and the outdoor, paved, curbed maintenance areas. The OWS is reportedly a 350-gallon double-wall, steel tank with a liquid level sensor, leak monitoring standpipe and high level oil alarm. The tank reportedly discharges to the municipal sanitary sewer. The current OWS reportedly replaced a former OWS at the same location. A soil sample collected in the vicinity of the OWS in 2006 indicated a TPH concentration of 46 mg/kg. The ADEM UST Closure Site Assessment Guidance Manual recommends no further corrective action for any site that exhibits TPH concentrations in soil of 100 ppm or less.

- **Pits, Sumps, Drywells, and Catch Basins –** The patched concrete floor in the AMSA building and the design details on similar original facility engineering drawings suggest that a grease pit was present. Reportedly, the pit was filled and the concrete floor was patched in the late 1960s or early 1970s. No records of environmental investigation of the grease pit were found. Based on its intended function, the grease pit received spillage of oil, grease and possibly other fluids during vehicle maintenance activities. The grease pit was constructed of cast-in-place concrete with no outlet. A soil sample collected adjacent to the former service pit in the AMSA building showed no detectable SVOCs except phenol at 3.5 mg/kg. The ADEM preliminary screening value for phenol is 1,800 mg/kg for residential soil and 100,000 mg/kg for commercial soil.

  During the Site reconnaissance, a manhole cover with a locked lid was noted in the concrete-paved, covered employee area located south of the AFR Center building. A riser pipe or potential fill pipe located next to the manhole suggests the possible presence of a pit, sump, or tank; however, Site personnel did not know the nature of the structure.

  Based on review of 1981 design drawings for the kitchen addition, a 1,000-gallon grease trap is located east of the addition. Site personnel are not aware of the presence of the buried structure. A vertical pipe was observed protruding from the ground surface and extending above the roofline of the building near the entrance to the kitchen on the AFR Center building's east side. The purpose of the pipe is unknown; however, it could possibly be a vent pipe for a buried structure. Site personnel interviewed did not know the purpose of the pipe.

- **Polychlorinated Biphenyl (PCB) Materials–** Three pole-mounted transformer units are located on Site. Alabama Power, the owner of the transformers, has stated that the transformers do not contain PCBs.

  PCBs may be contained in light ballasts in older type fluorescent light fixtures. Any light ballast not marked with "No PCBs" should be assumed to contain PCBs and management and disposal of these light ballasts should be in accordance with local, State and Federal requirements. The light ballasts within the overhead fluorescent light fixtures were not observed during the Site reconnaissance.

- **Radiological Materials –** A radioactive materials sign was noted in the dry storage building known as the Butler building. The radiac units used for radiation detection are stored in this area and reportedly have a small radioactive source. Site personnel reported that the source does not require a Nuclear Regulatory Commission radioactive materials license or permit. FMSM did not encounter documentation or indications that radiological commodities were improperly managed at the Site, or that any radionuclides were released.

- **Radon –** Site records indicate radon concentrations were measured at 1.4 pCi/l in the AFR Center building and 2.0 pCi/l in the AMSA building. These values are below the USEPA recommended exposure limit of 4.0 pCi/l.

- **Underground Storage Tanks –** Presently, the Site does not have USTs. Two underground fuel storage tanks historically existed on Site. A steel UST was reportedly removed in 1988 and replaced with a fiberglass tank. The fiberglass tank was reportedly removed in 1990. The tanks are listed as “Permanently Closed” according to regulatory records; however, a “No Further Action” letter has not been issued by ADEM. No documentation of the removal of the USTs was available for review for this ECP.

- **Wash Water Discharge -** A covered vehicle wash facility is located near the AMSA building. Runoff from the wash area reportedly discharges to the OWS.

In accordance with Department of Defense policy defining the classifications (See Deputy Under Secretary of Defense Goodman Memorandum dated 21 October 1996), the Property has been classified as Category 2, an area where only the release or disposal of petroleum products has occurred. This classification is based on the presence of TPH in a soil sample collected in the vicinity of the OWS and the presence of phenol in a soil sample collected adjacent to the former service pit in the AMSA building. The concentrations of TPH and phenol were below the ADEM guidelines for corrective action and no further action is recommended.

9.0 LIMITATIONS

This ECP Report was prepared to review certain elements of the environmental condition of property related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. It documents efforts to determine or discover the presence or likely presence of a release or threatened release of these materials. Project activities were performed in general conformance with the BRRM, ASTM D6008 guidance, the project prescribed scope of work, and generally accepted practices in the consulting industry. The degree of care and skill is consistent with that generally exercised in the industry under similar conditions.

FMSM has relied on certain information provided by the USACE, USAR, and other parties referenced in the report. This information was assumed to be accurate and complete unless information to the contrary arose during the course of the investigation. Historic documentation (e.g., information on past environmental practices, environmental records, operational changes, unit and equipment changes, chemical/substance inventories and storage, current as-built drawings, etc.) and facility personnel knowledge regarding chemicals used or stored on the Site and the quantities stored, was often limited or non-existent. Therefore, statements regarding storage of chemicals or presence of hazardous substances reflect best available data and are not warranted for either completeness or accuracy over the history of the facility.

In preparing this report, FMSM was required to review previous documents from other sources (collectively referred to herein as the Prior Reports). The Prior Reports may present findings regarding the abatement or remediation of known concerns at the time of their preparation or within the limit of the project scope of work. The Prior Reports may include statements or opinions of the original authors of the Prior Reports as to the satisfactory completion of work. FMSM notes that environmental laws and regulations, including abatement or remedial action levels, are periodically reviewed and updated by the various regulatory agencies and may have changed since the respective dates of the Prior Reports.

FMSM has summarized Prior Reports in fulfilling the prescribed scope of work for the project. This summarization may include statements or opinions as to the satisfactory completion of work. These statements or opinions are those of the original report authors. FMSM neither warrants nor certifies the accuracy or completeness of these statements. The summarization of previous documents has not reviewed or updated those conclusions with regards to actions from the time of that document to date, current regulatory agency abatement, or remedial standards. Rather, this summary provides the original author's conclusions at the time the report was prepared. Evaluation of the completeness of previous documents or statements of abatement or remediation is beyond the current scope of service included in this contract.

A limited site reconnaissance was performed to visually identify materials or conditions representing recognized adverse environmental conditions. Identification of hidden conditions, observation of the effects of activities or incidents occurring after completion of the reconnaissance, buried conditions, conditions obscured by dense foliage, conditions beneath buildings, other structures, or covered by building/paving materials, or conditions otherwise obscured, is beyond the scope of this work. The conditions described in this report are valid only for the time that the observations were made.

The findings and conclusions contained in this report are based in part on the information available at the time of the study. The findings and conclusions should be considered not as scientific certainties, but as probabilities based on professional judgment of the significance of the limited data gathered in the course of the site evaluation, interviews and literature review. If additional or corrected information becomes available, FMSM requests the opportunity to review/modify conclusions, as warranted.

10.0 REFERENCES

PERSONS CONTACTED

- Mr. Ben Dunn, JM Waller Associates, Contractor for 81st Regional Readiness Command, Area 3 Environmental Manager, (334) 268-6859, 31July 2006
- Ms. Karen White, JM Waller Associates, Contractor for 81st Regional Readiness Command, NEPA Coordinator, Deputy Chief of Staff, Installation Management, 3 August 2006
- Ms. Patricia Olmstead, Staff Operations and Training Specialist (Facility Manager), Woolsey Finnell Sr. USAFRC, (205) 750-2560, 1 August 2006
- Mr. Sherman J. Johnson, AMSA Supervisor, Woolsey Finnell Sr. USAFRC, (205) 750-2562, 22 August 2006
- Curtis Dykes, Fire Marshal, City of Tuscaloosa Fire Department, telephone correspondence, 10 August 2006

RESOURCES CONSULTED

- Aerial Photographs provided by EDR dated 1952, 1985, and 1992.
- Aerial Photograph available from USGS through TerraServer dated 1999.
- City of Tuscaloosa Community Planning and Development Department zoning parcel browser.
- National Wild and Scenic Rivers, http://www.nps.gov/rivers/wildriverslist.html#oh
- Alabama Coastal Area Management program , available from http://www.adem.state.al.us/fieldops/coastal/coastal.htm and http://coastalmanagement.noaa.gov/mystate/al.html
- USEPA Map of Radon Zones, http://www.epa.gov/radon/zonemap.html
- FEMA Flood Hazard Insurance Map, available from http://msc.fema.gov/webapp/wcs/stores/servlet/CategoryDisplay?catalogId=10001&storeId=10001&categoryId=12001&langId=-1&userType=G&type=1&dfirmCatId=12009
- Unit Locator Website, http://www.armyreserve.army.mil/usar/unitlocator/UnitLocator.aspx

- Szabo, M.W., Osbourne, W.E., Copeland, C.W. and Neathery, T. L., 1988, *Geologic Map of Alabama*, Alabama Geological Survey Special Map 220

- Federal Regulatory Databases
  - National Priorities List (NPL), 19 April 2006
  - Proposed NPL Sites, 19 April 2006
  - Delisted NPL Sites, 19 April 2006
  - Federal Superfund Liens (NPL Liens), 15 October 1991
  - Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), 1 February 2006
  - CERCLIS No Further Remedial Action Planned Sites (NFRAP), 1 February 2006
  - Resource Conservation and Recovery Information System (RCRIS) Corrective Action Sites (CORRACTS), 15 March 2006
  - Resource Conservation and Recovery Act Information (RCRA), 9 March 2006
  - Emergency Response Notification System (ERNS), 31 December 2005
  - Engineering Controls Sites List (US ENG CONTROLS), 21 March 2006
  - Listing of Brownfields Sites, 26 April 2006
  - Superfund Consent Decrees, 14 December 2004
  - Records of Decision (ROD), 13 April 2006
  - Department of Defense Sites, 31 December 2004
  - Uranium Mill Tailings Sites, 4 November 2005
  - Open Dump Inventory (ODI), 30 June 1985
  - Toxic Chemical Release Inventory System (TRIS), 31 December 2003
  - Toxic Substances Control Act (TSCA), 31 December 2002

- FIFRA/TSCA Tracking System, 29 March 2006
- FTTS INSP, 31 March 2006
- Section 7 Tracking Systems (SSTS), 31 December 2004
- Integrated Compliance Information System (ICIS), 13 February 2006
- PCB Activity Database System (PADS), 27 December 2005
- Material Licensing Tracking System (MLTS), 12 April 2006
- Mines Master Index File (MINES), 9 February 2006
- Facility Index System/Facility Registry System (FINDS), 27 April 2006
- RCRA Administrative Action Tracking System (RAATS), 17 April 1995
- Biennial Reporting System (BRS), 31 December 2003

• State and Local Regulatory Databases

- Hazardous Substance Cleanup Fund (SHWS), 10 April 2006
- Licensed Solid Waste Facilities, 1 August 2005
- Recycling/Recovered materials Processors Directory, 1 September 2003
- Leaking Underground Storage Tank Listing, 27 March 2006
- Underground Storage Tank File, 15 March 2006
- Area of Concern, 13 August 2001
- SPILLS – Emergency Response Database, 16 May 2006
- Aboveground Storage Tank (AST) Sites, 17 April 2006
- AST Release Incidents, 1 May 2006
- Sites with Institutional Controls, 3 March 2005
- Voluntary Cleanup Program Sites, 5 April 2006
- Brownfields Inventory, 3 March 2005

- Clandestine Methamphetamine Lab Sites, 14 February 2005
- Tier 2 Data Listing, 5 April 2006

- Tribal Records
  - Indian Reservations, 31 December 2004

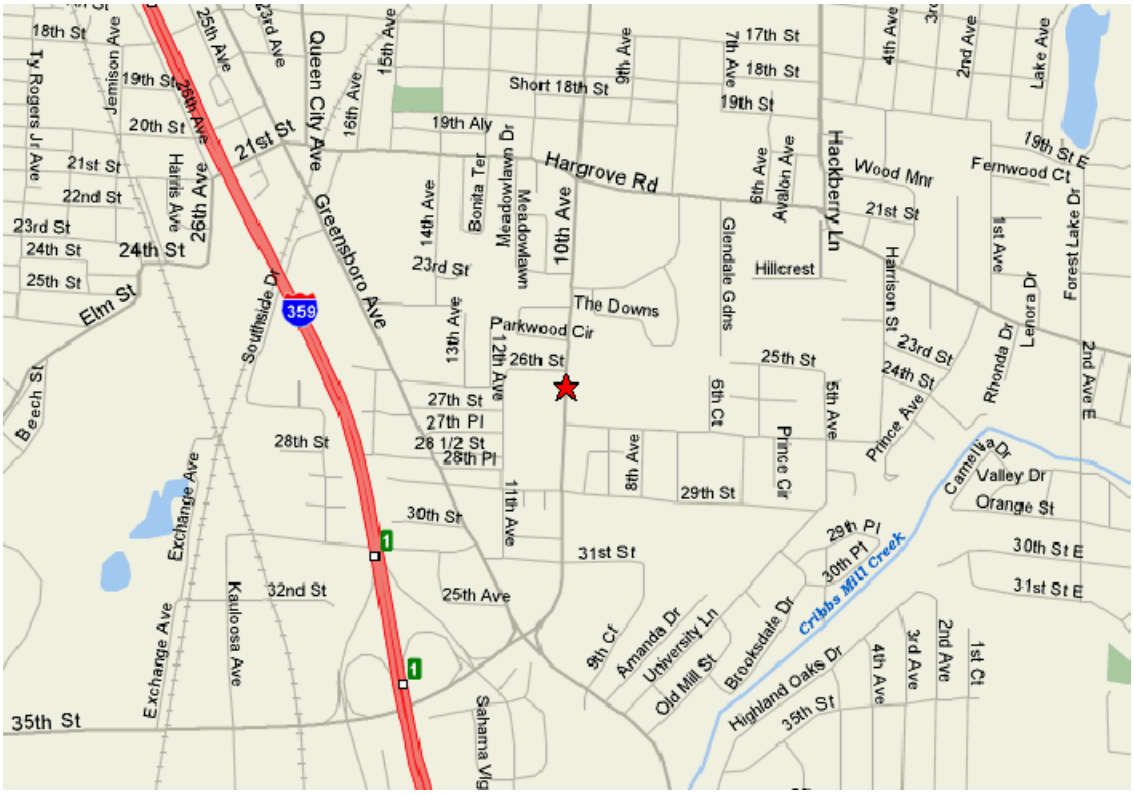
AGENCIES CONTACTED

- Letters of inquiry to the ADEM and the Alabama Department of Public Health
- City of Tuscaloosa, Alabama, Community Planning and Development Department
- City of Tuscaloosa Fire Department

APPENDIX A

FIGURES

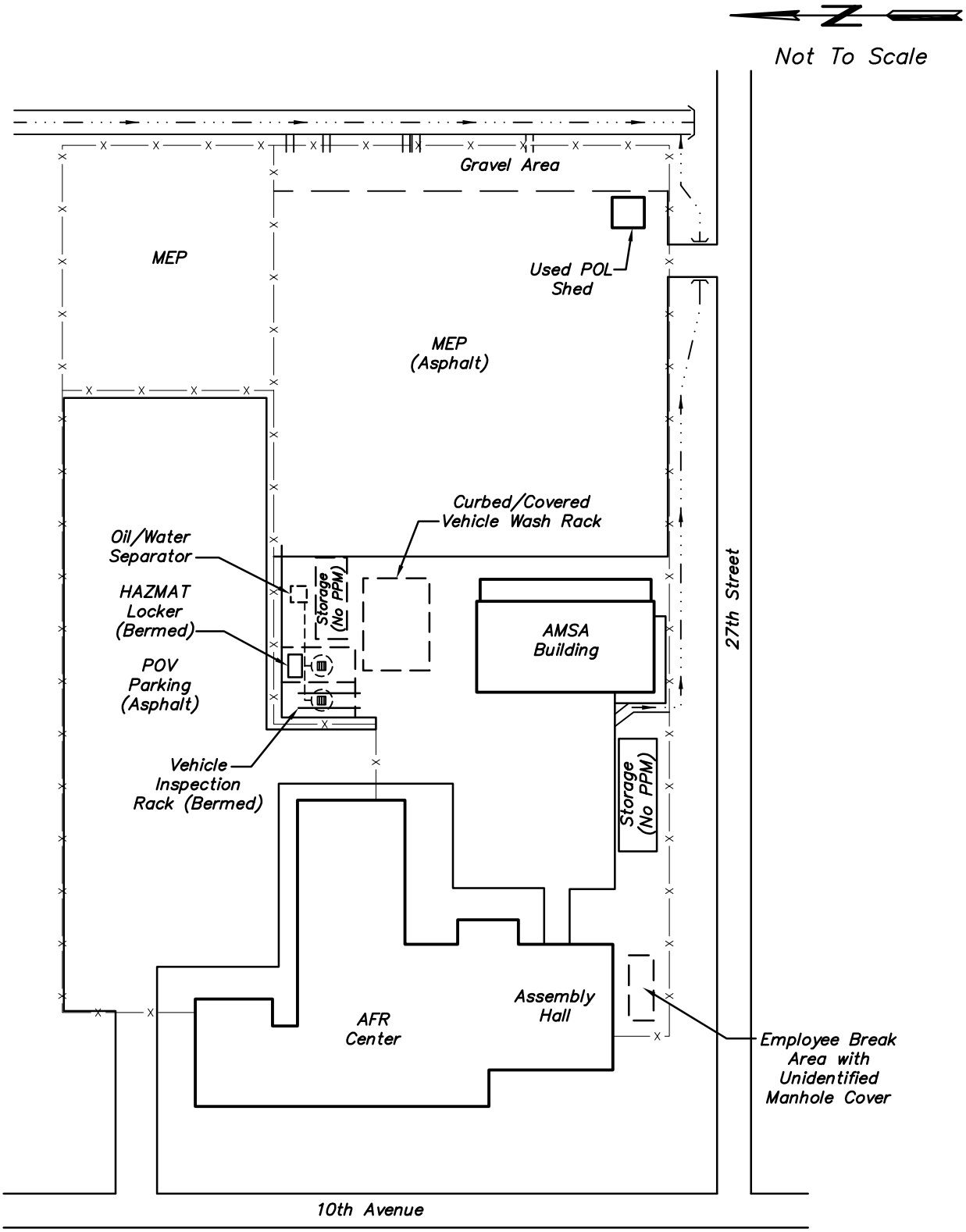
Not To Scale



EMSM ENGINEERS

FIGURE 1
GENERAL SITE LOCATION MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038-BRAC EOPs\AL045\AL045Finnell-GenLoc.dwg



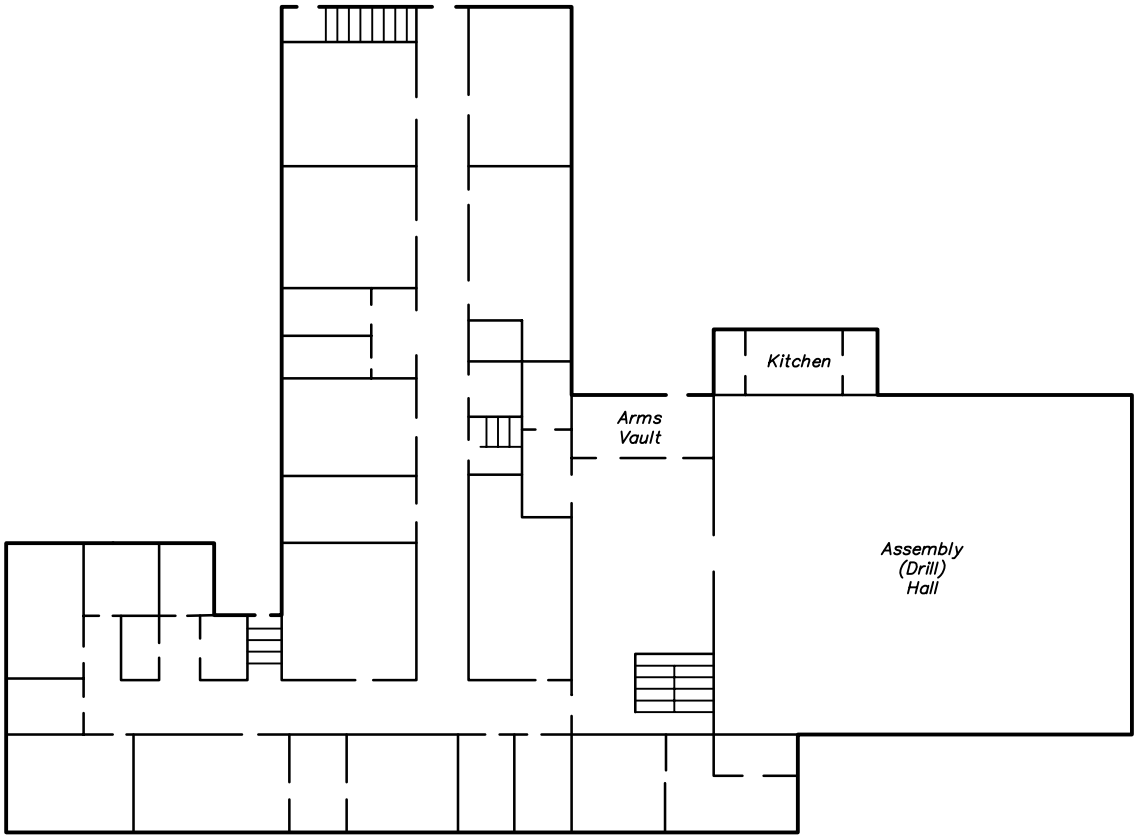
Adapted from previous SPCCP & ISCP Report (Sept 2005) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 2
PLAN VIEW LAYOUT OF SITE
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038\AL045FinnellSite.Dwg

Not To Scale



Note:
Unlabeled rooms are offices, storage or classrooms.

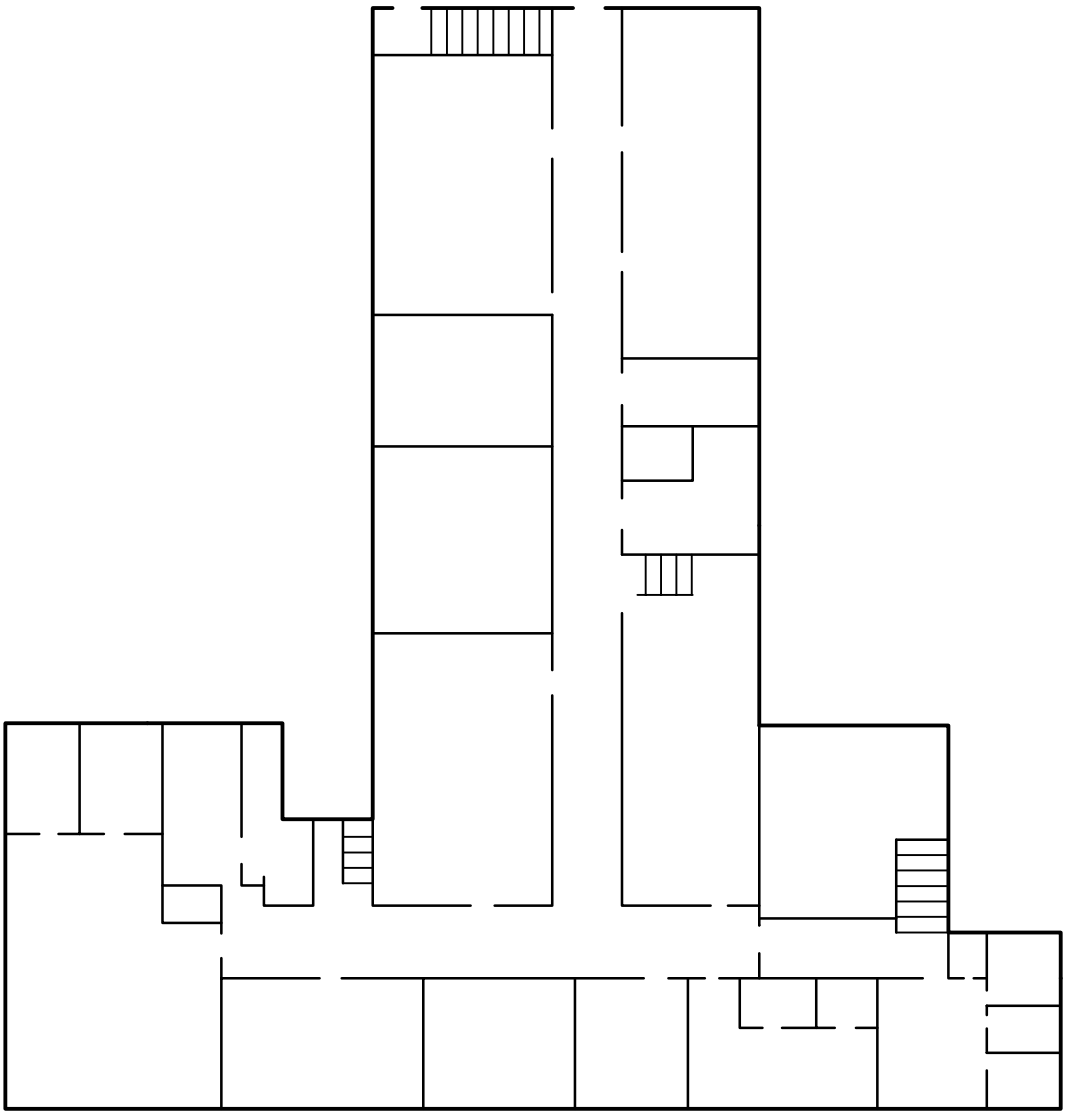
Adapted from previous Asbestos Inspection Report (Mar 2002) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 3
INTERIOR LAYOUT, FIRST FLOOR, AFR CENTER BUILDING
AL045 FINNELL AFRC
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV20060038\AL045FinnellBldg1.Dwg

Not To Scale



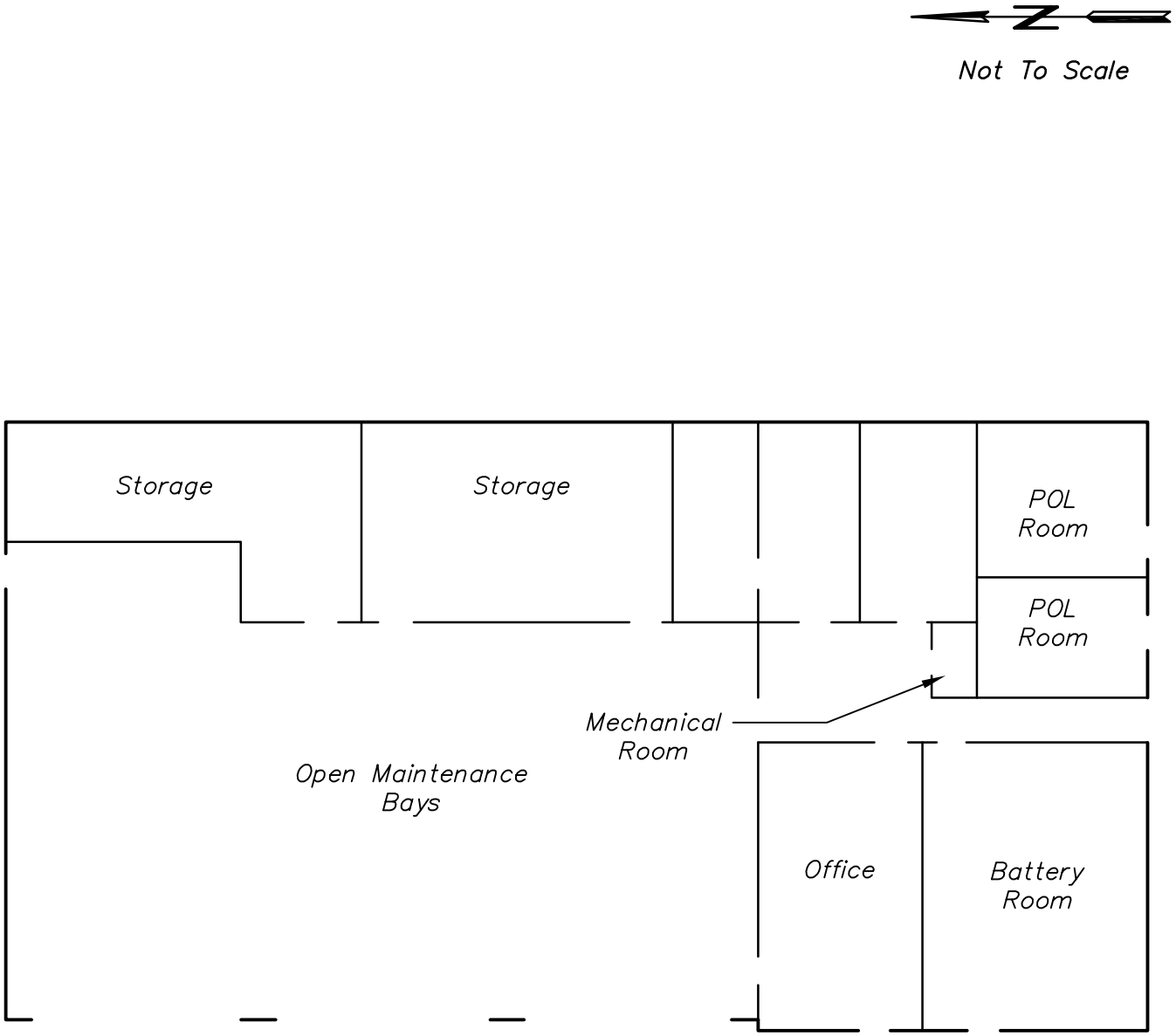
Note:
Second floor rooms include offices and classrooms.

Adapted from previous Asbestos Inspection Report (Mar 2002) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 4
INTERIOR LAYOUT, SECOND FLOOR, AFR CENTER BUILDING
AL045 FINNELL AFRC
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV20060338\AL045FinnellBldg2.Dwg



Adapted from previous SPCCP & ISCP Report (Sept 2005) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 5
INTERIOR LAYOUT, AMSA BUILDING
AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV20060038\AL089AMSABldg.Dwg

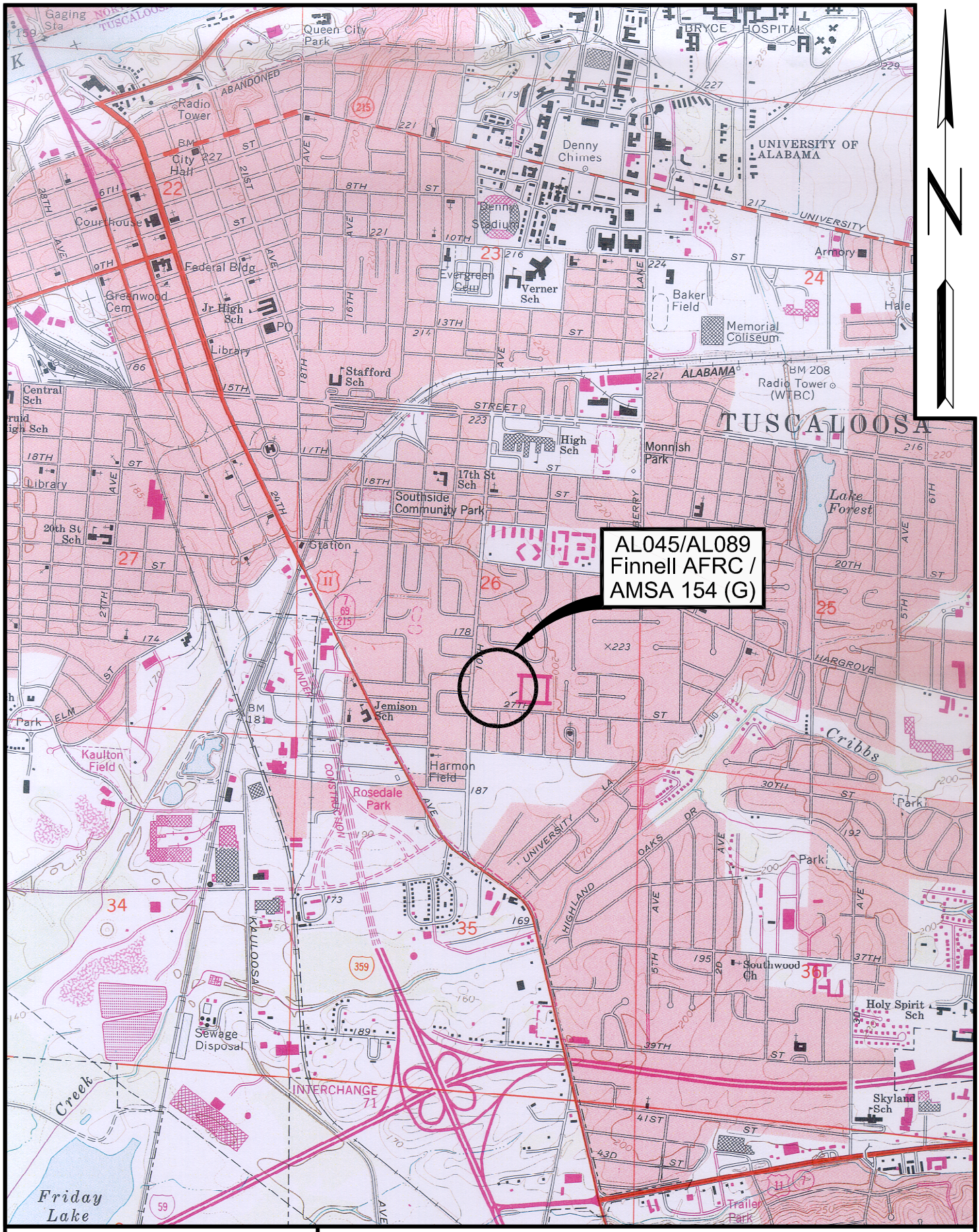


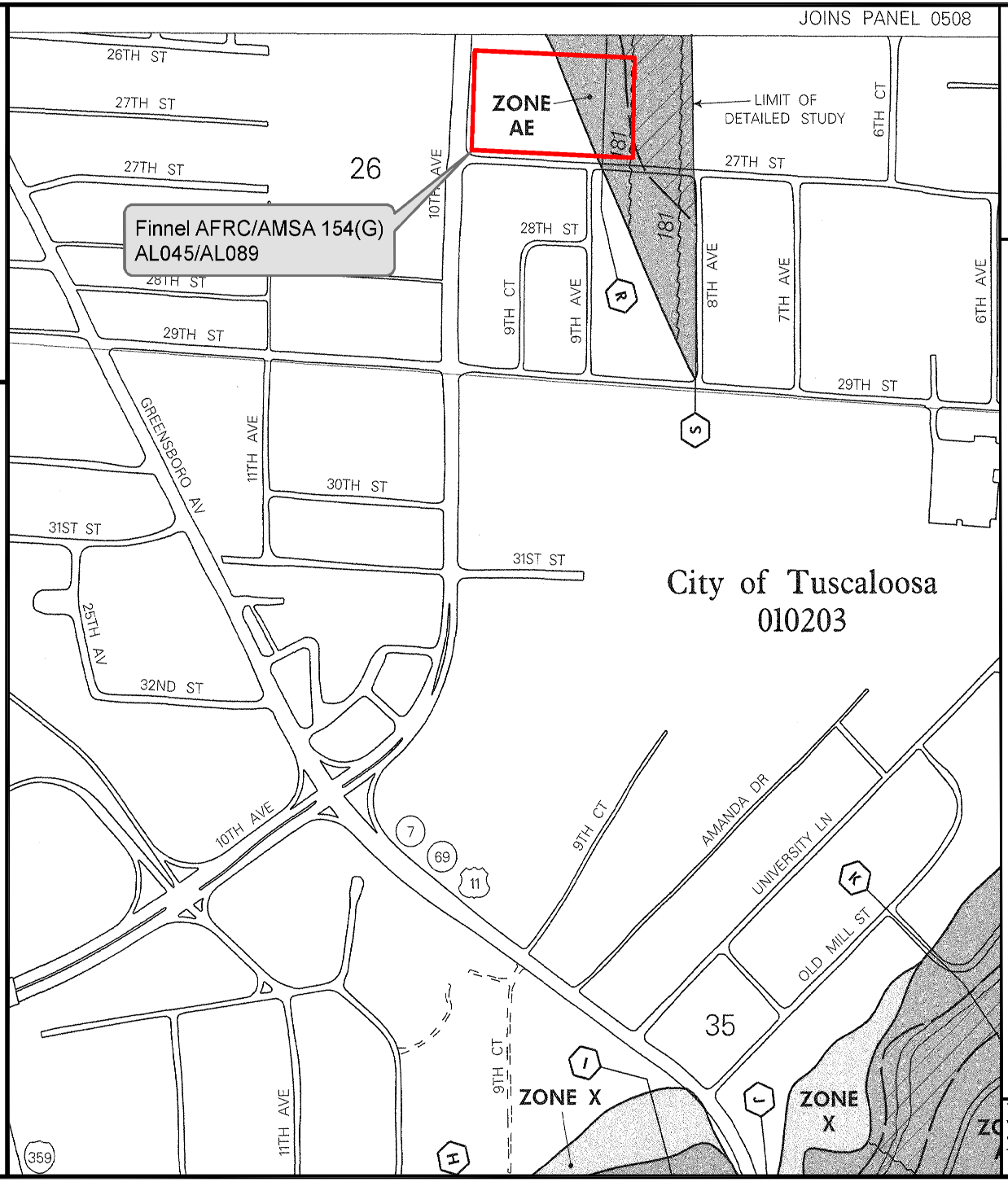
FIGURE 6
1983 USGS TOPOGRAPHIC MAP, TUSCALOOSA, ALABAMA
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

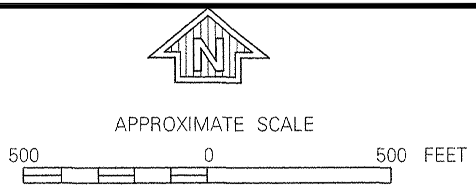
Scale: 1" = 2000'

MSM ENGINEERS

LV2006038\AL045FinnellUSGS1983.Dwg

LV2006038\AL045Finnell-DFirm.Dwg





NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
TUSCALOOSA COUNTY, ALABAMA
AND INCORPORATED AREAS

PANEL 516 OF 750

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
TUSCALOOSA, CITY OF	010203	0516	E
TUSCALOOSA COUNTY	010201	0516	E

Notice to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER
01125C0516 E

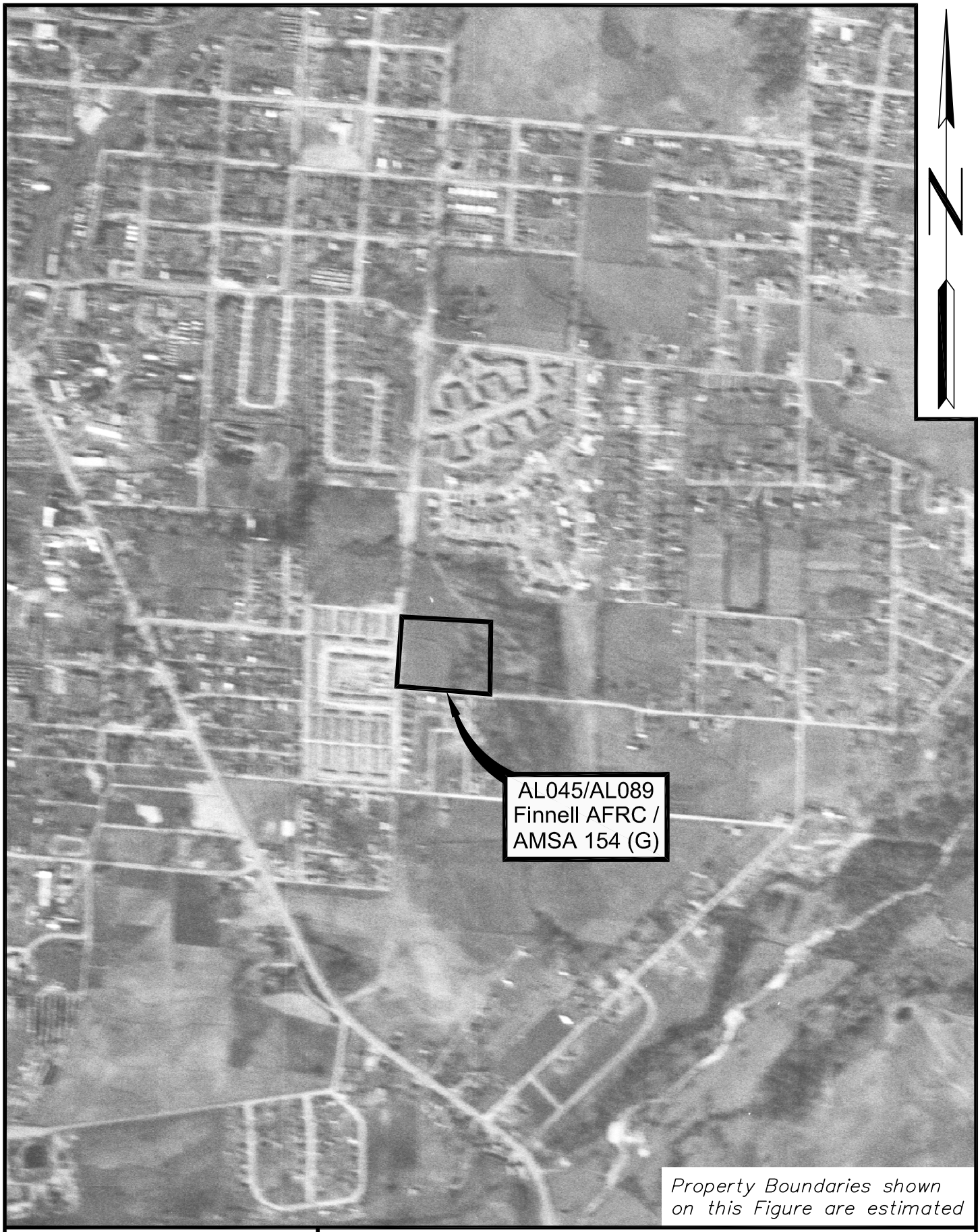
EFFECTIVE DATE:
SEPTEMBER 7, 2000

Federal Emergency Management Agency

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

MSM ENGINEERS

FIGURE 7
FLOOD INSURANCE RATE MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama



EMSM ENGINEERS

FIGURE 8
1952 AERIAL PHOTOGRAPH MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038\AL045FinnellAerial1952.Dwg

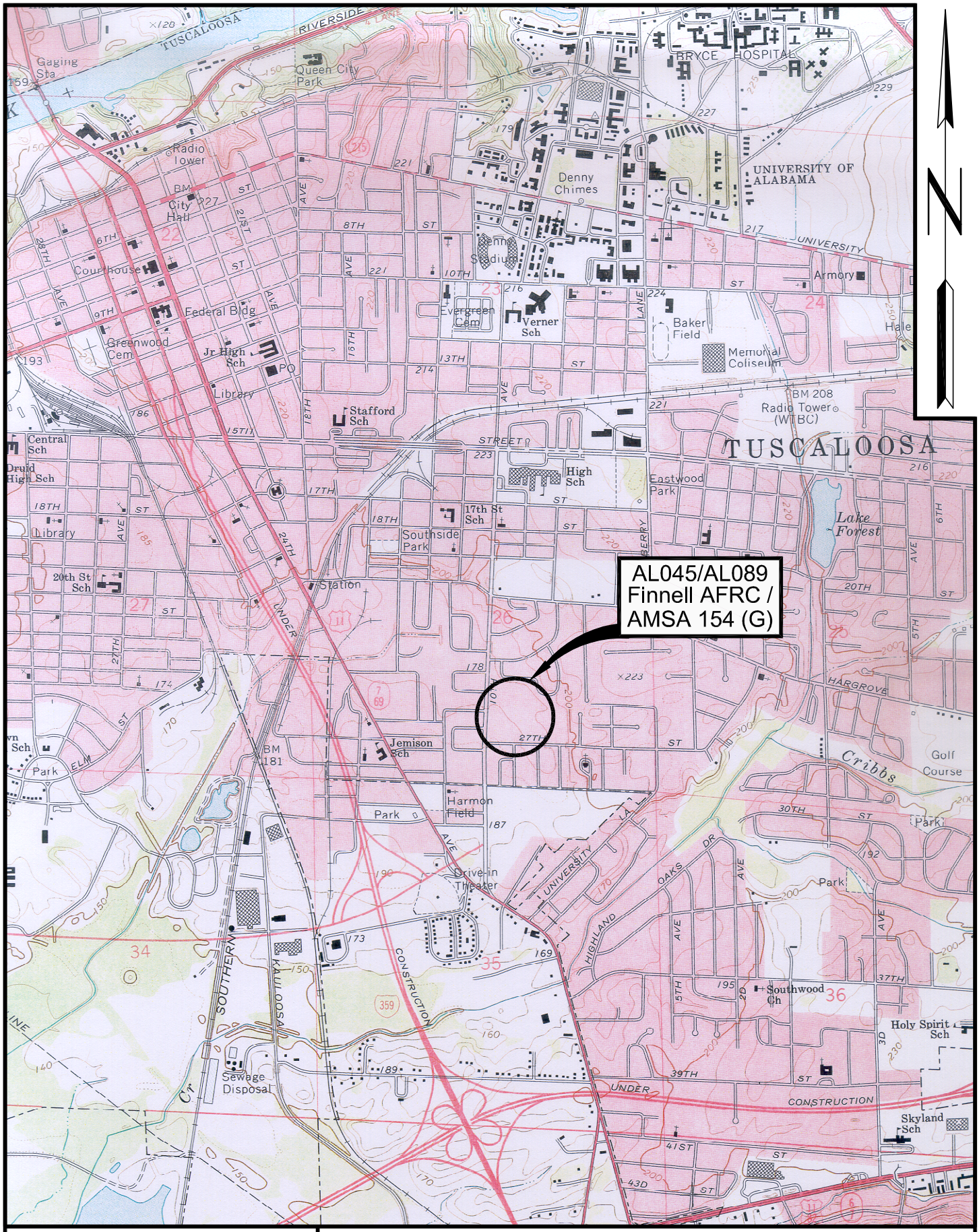
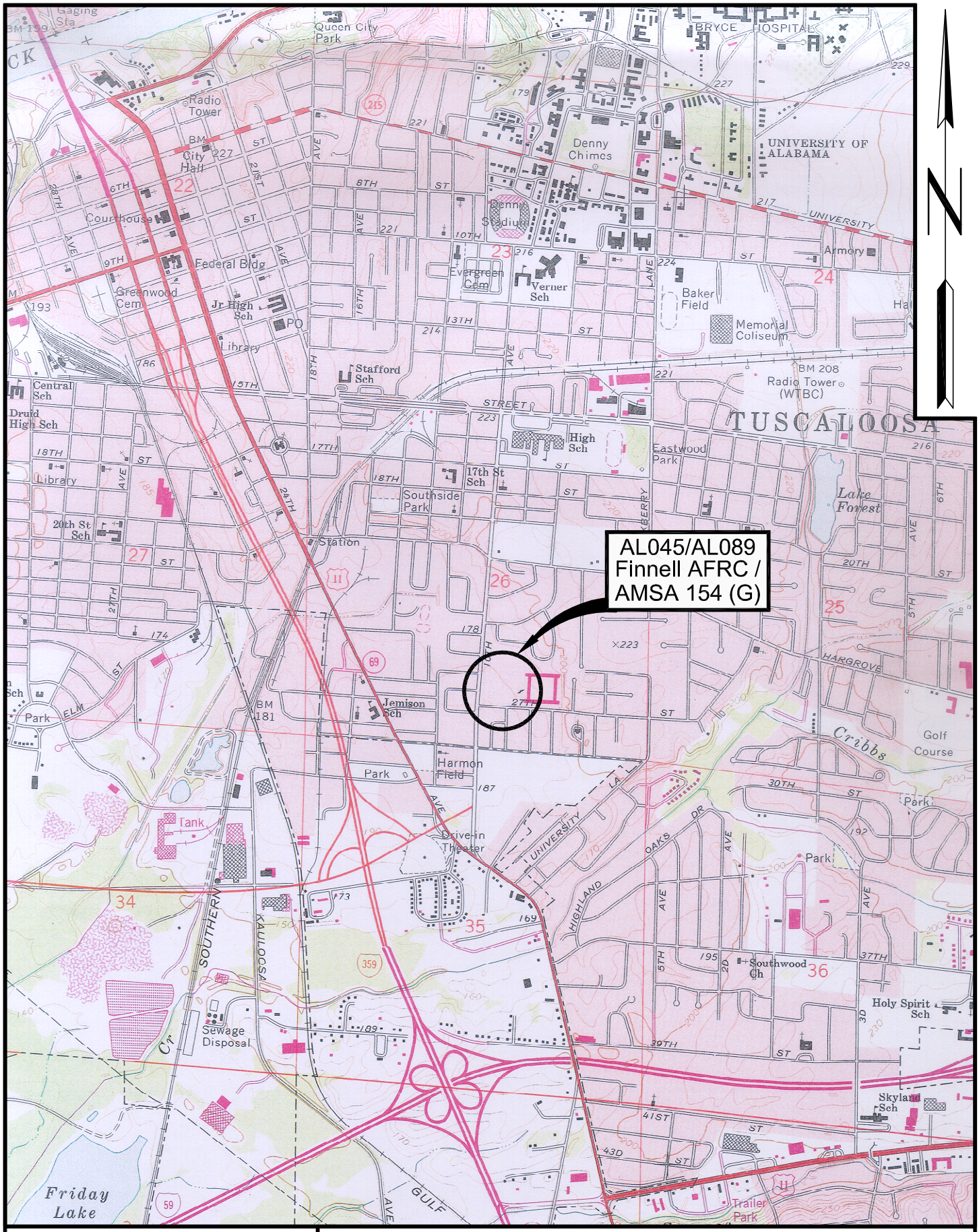


FIGURE 9
1971 USGS TOPOGRAPHIC MAP, TUSCALOOSA, ALABAMA
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

Scale: 1" = 2000'

EMSM ENGINEERS

LV2006038\AL045FinnellUSGS1971.Dwg

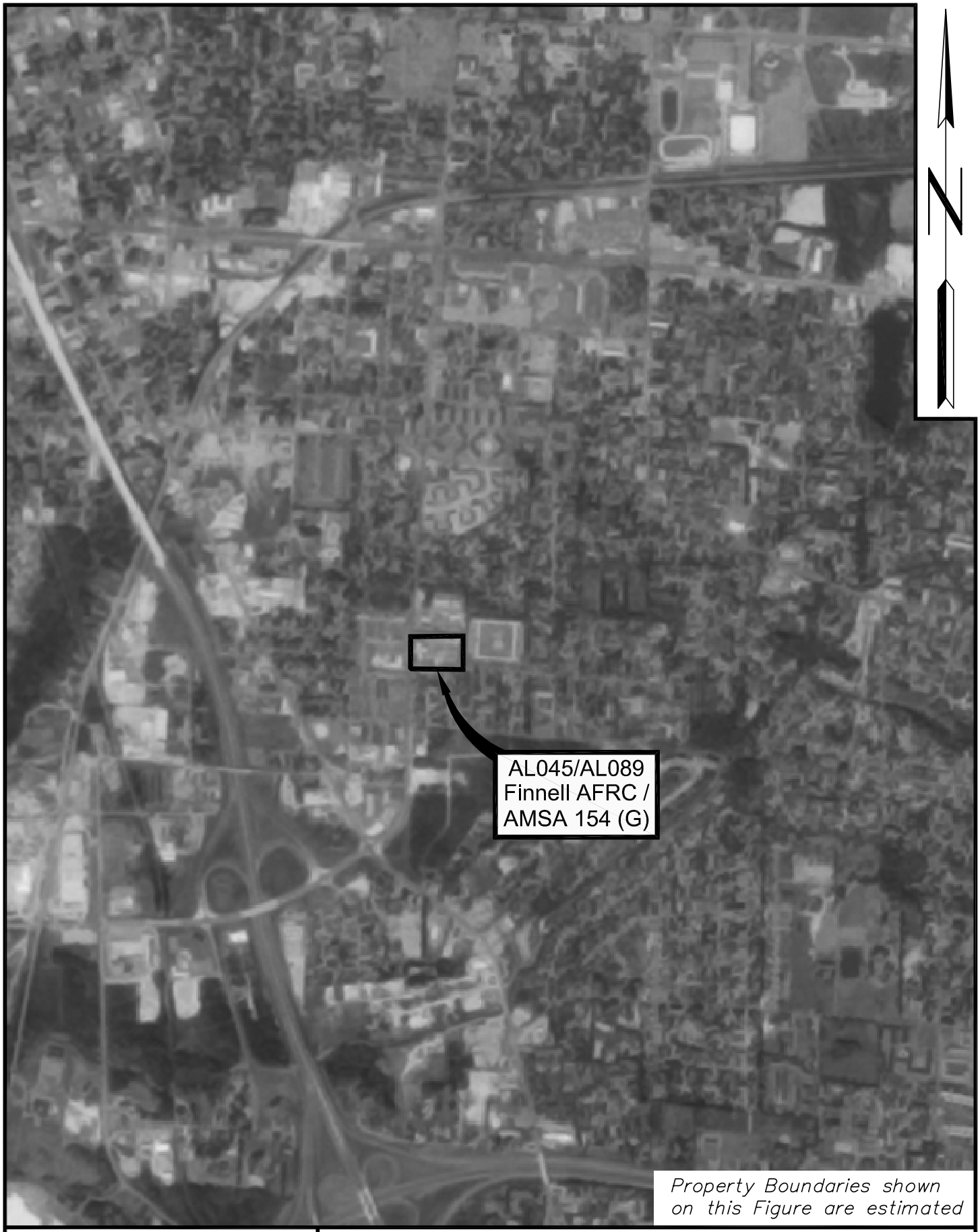


EMSM ENGINEERS

FIGURE 10
1978 USGS TOPOGRAPHIC MAP, TUSCALOOSA, ALABAMA
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

Scale: 1" = 2000'

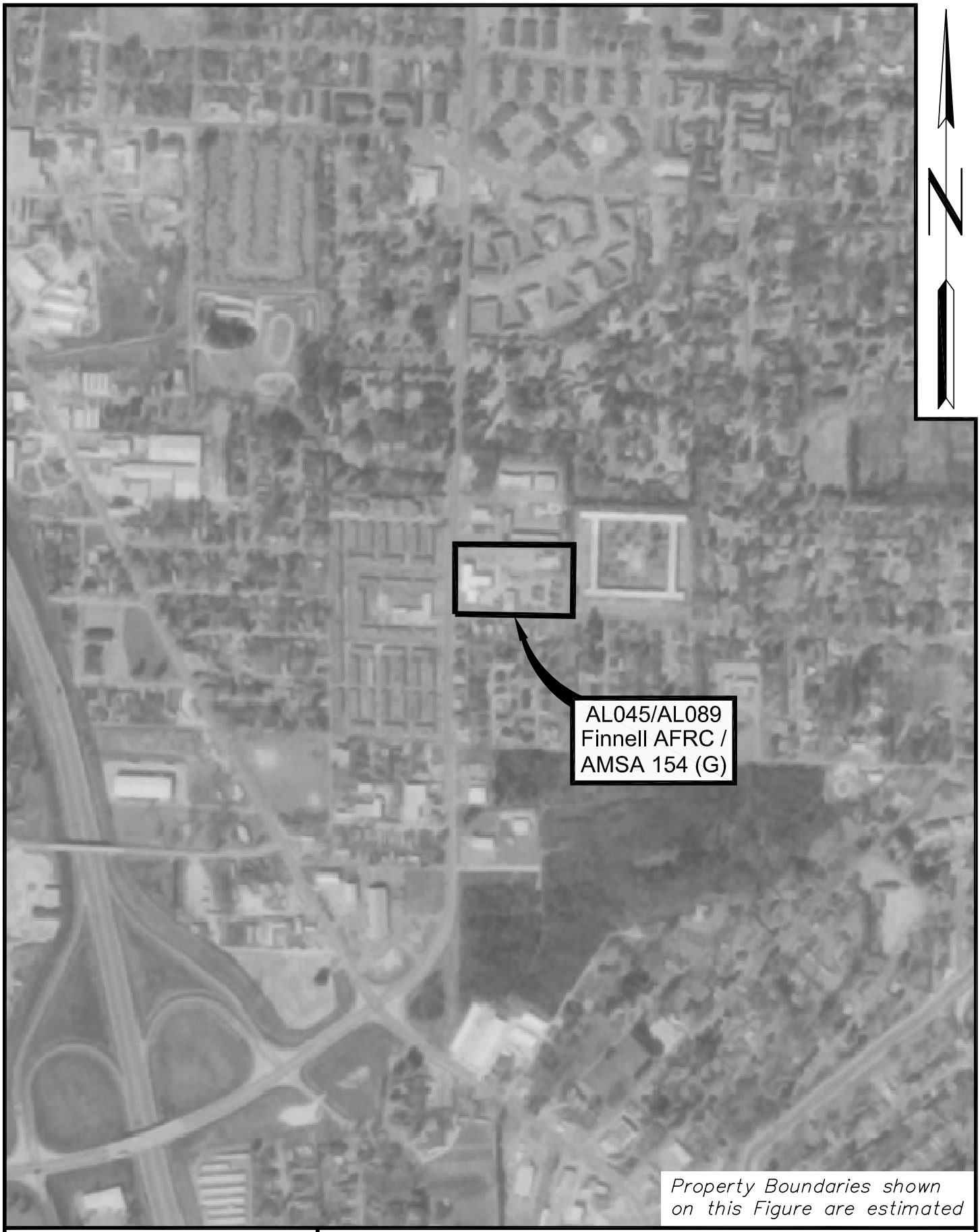
LV2006038\AL045Finnell\USGS1978.Dwg



EMSM ENGINEERS

FIGURE 11
1985 AERIAL PHOTOGRAPH MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

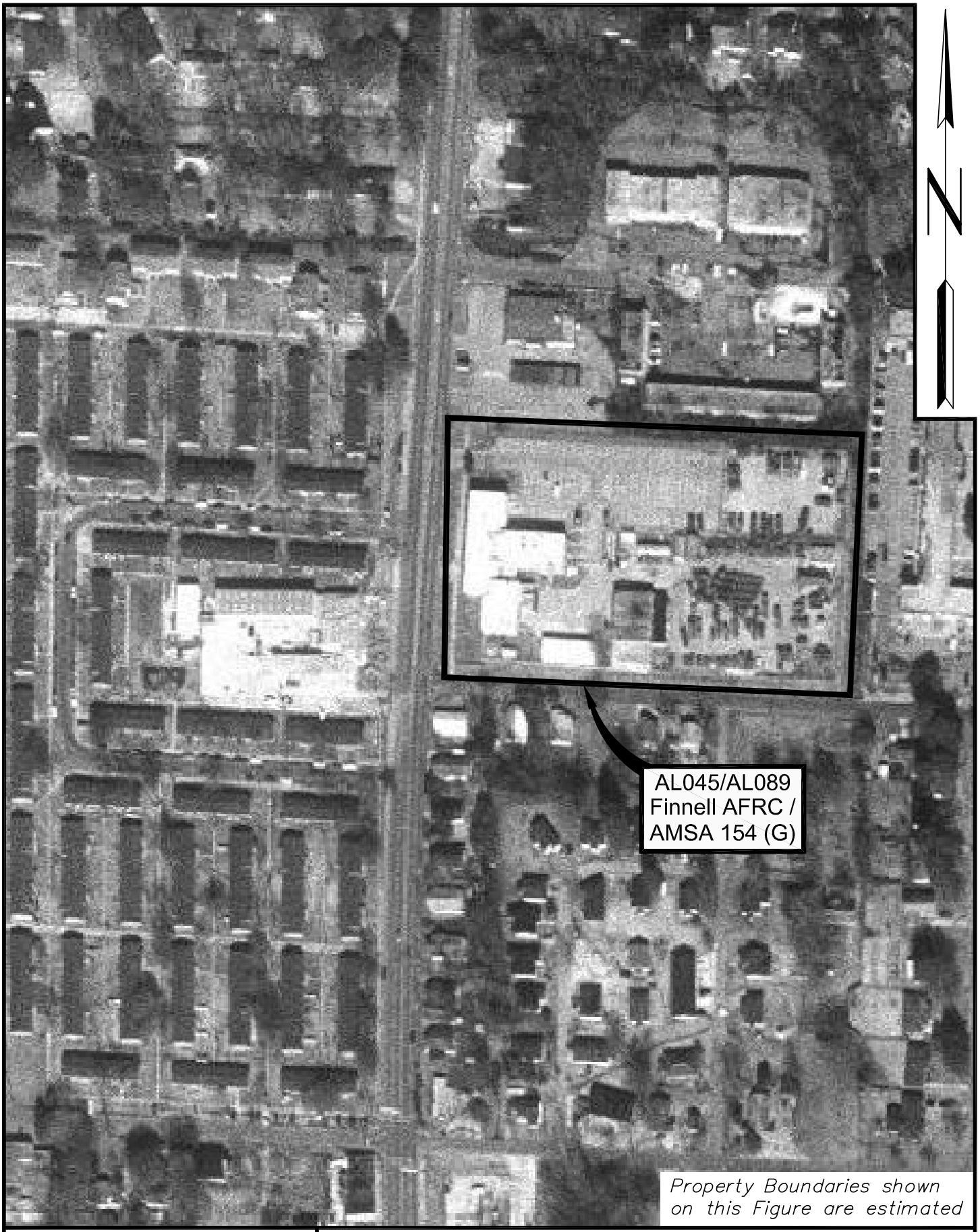
LV2006038\AL045Finnell\Aerial1985.Dwg



EMSM ENGINEERS

FIGURE 12
1992 AERIAL PHOTOGRAPH MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038\AL045FinnellAerial1992.Dwg



EMSM ENGINEERS

FIGURE 13
1999 AERIAL PHOTOGRAPH MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038\AL045Finnell\Aerial1999.Dwg

0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

EMSM ENGINEERS

FIGURE 14
NATIONAL WETLANDS INVENTORY MAP
AL045 FINNELL AFRC / AL089 AMSA 154(G)
2627 10th Avenue
Tuscaloosa, Tuscaloosa County, Alabama

LV2006038-BRAC ECPs\AL045\AL045Finnell-NWI.dwg

APPENDIX B

SITE RECONNAISSANCE PHOTOGRAPHS

Photo 1: Military Equipment Parking (MEP) Area

Photo 2: Privately-Owned Vehicle Parking (POV) Area

Photo 3: Rear (East Side) of AFR Center Building (circa late 1950's)

Photo 4: Rear (East Side) of AFR Center Building

Photo 5: Front (West Side) of AFR Center Building (circa mid-1970's)

Photo 6: Interior of AFR Center (Typical Hallway)

Photo 7: Interior of AFR Center Building (Assembly Hall)

Photo 8: Interior of AFR Center Building (Kitchen)

Photo 9: Front (West Side) of AMSA Building (circa 1959)

Photo 10: POL Room in AMSA Building

Photo 11: Curbed Exterior Maintenance Area and HazMat Building

Photo 12: Covered Used Fluids Storage Structure

Photo 13: Exterior View – Butler Building

Photo 14: Patched Floor Area in AMSA (Former Grease Pit)

Photo 15: View of Adjacent Property to the North

Photo 16: View of Adjacent Property to the South

Photo 17: View of Adjacent Property to the East

Photo 18: View of Adjacent Property to the West

Photo 19: Unknown Manhole and Pipe Riser South of AFR Center Building

Photo 20: Unknown Vertical Pipe Outside Kitchen of AFR Center Building

APPENDIX C

PROPERTY ACQUISITION DOCUMENTS AND CHAIN OF TITLE

STATE OF ALABAMA
TUSCALOOSA COUNTY
I hereby certify that no Deed Tax has been collected on this Instrument.

Chester Walker
Judge of Probate
"TAX EXEMPT"

STATE OF ALABAMA

COUNTY OF TUSCALOOSA

TRACT A-100 ARTC SITE

TUSCALOOSA, ALABAMA

DEED

This indenture made this 18th day of April 1957, by and between Mrs. Nina Foster Searcy, a widow, who is also known as Mrs. Nina F. Searcy, a widow, of Tuscaloosa, Tuscaloosa County, State of Alabama, party of the first part, hereinafter with herself, her heirs, executors, administrators, successors and assigns, referred to as the "Grantor" and the United States of America and its assigns, hereinafter referred to as the "Grantee".

Witnesseth that the Grantor for and in consideration of the sum of TWENTY TWO THOUSAND FIVE HUNDRED DOLLARS ($22,500.00), the receipt and sufficiency of which are hereby acknowledged, hereby grants, bargains, sells and conveysunto the United States of America and its assigns, the following described real property situated, lying and being in Tuscaloosa County, State of Alabama, to-wit:

A certain tract or parcel of land lying and being in the City of Tuscaloosa, in Section 26, Township 21 South, Range 10 West, Huntsville Meridian, Tuscaloosa County, Alabama, more particularly described as follows:

From the Southwest corner of the Southeast quarter of said section; thence North along the West line of said Southeast quarter 680 feet; thence East along a line parallel to the South line of said Section, a distance of 49.4 feet to the point of beginning, which is an iron nail in the pavement on the East right-of-way line of Tenth Avenue, and the North line of Twenty-Seventh Street; thence from said point of beginning East along said North right-of-way of Twenty-Seventh Street, which is parallel to the South line of said section, and forms an interior angle of 90° 36' with said East right-of-way line of Tenth Street, a distance of 573.6 feet to an iron pipe;
thence North along a line which is parallel to the West line of said southeast quarter and forms an interior angle of 90° 47' with said North right-of-way line, a distance of 380 feet to an iron pipe; thence West along a line which is parallel to said North right-of-way line of Twenty-Seventh Street, a distance of 583 feet more or less to an iron pipe of aforesaid East right-of-way line of Tenth Avenue; thence South along said East right-of-way line, which is 40 feet Easterly of the center line of said Tenth Avenue 380 feet more or less to the point of beginning;
containing 5 acres more or less, and being a portion of the same land described in a deed dated 8 February 1945 from Estate of Frank M. Moody, et al, to Joe A. Searcy recorded in Deed Book 229, Page 67 of the public land records of said county.

Said premises are conveyed subject to existing easements for public roads and highways, for public utilities, for railroads and pipe lines.

STATE OF ALABAMA

COUNTY OF TUSCALOOSA

I, Hazel E. McDaniel, a Notary Public in and for said State and County hereby certify that Mrs. Nina Foster Searcy, a widow whose name is signed to the foregoing conveyance, and who is known to me, acknowledged before me on this day that, being informed of the contents of the conveyance she executed the same voluntarily on the day the same bears date. Given under my hand this 18th day of April, A. D. 1957.

/s/ Hazel E. McDaniel
Notary Public, Tuscaloosa County, Alabama

SEAL

My commission expires March 4, 1958

U. S. DOCUMENTARY STAMPS
$24.75

THE STATE OF ALABAMA)
Tuscaloosa County)

I, CHESTER WALKER, Judge of Probate, hereby certify that the foregoing conveyance was filed in my office for registration on the 18 day of April 1957, at 3 o'clock P.M., and duly recorded in Deed Record No. 394 Page 474. Privilege Tax paid .25 Tax Ex., .25 Cert.

Chester Walker
Judge of Probate

I CERTIFY THAT THIS IS A TRUE COPY

Richard L. Watson

RICHARD L. WATSON
CLOSING ATTORNEY

TO HAVE AND TO HOLD the above-described property unto the said United States of America, and its assigns, forever.

And I the said Grantor, for myself, my heirs, personal representatives, executors, administrators, successors and assigns, hereby covenant with the said Grantee, and its assigns, that I am seized of an indefeasible estate in fee simple in and to said above-described property, that it is free from all liens and encumbrances, that I am in quiet and peaceable possession of said property, and have a good and lawful right to sell and convey the same, and that I will forever warrant and defend the title to the same, and the possession thereof, unto the United States of America, and its assigns, against the lawful claims and demands of all persons whomsoever.

And for the same consideration, the Grantor hereby remises, releases and quitclaims unto the said United States of America, and its assigns, all right, title and interest which they have in the banks, beds, and waters of any streams bordering the herein described land and also all right, title, interest, including reversionary interests, in any alleys, roads, streets, ways, strips, gores, or railroad rights-of-ways abutting or adjoining said land, and in any means of ingress or egress appurtenant thereto.

In Witness Whereof, the party of the first part has hereunto set her hand and seal the day and year first above written.

WITNESS:

/s/ Richard L. Watson

/s/ Mrs. Nina Foster Searcy (SEAL)
MRS. NINA FOSTER SEARCY

The EDR Environmental Lien Search Report

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, ALABAMA

Wednesday, August 30, 2006

Project Number: L06-4536

The Standard In Environmental Risk Management Information

440 Wheelers Farm Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, ALABAMA

DEED INFORMATION

Type of Deed: WD ☐ QCD ☐ Other ☒ DEED

Title is vested in:

Title received from:

Deed Dated: 04-18-1957
Deed Recorded: 04-18-1957
Book: 394
Page: 474

LEGAL DESCRIPTION

Description: Being that parcel or tract of land, known as Tract No. A-100, situated and lying in Section 26, Township 21 South, Range 10 West, Huntsville Meridian, in the City and County of Tuscaloosa, State of Alabama

Assessor's Parcel Number: 31-07-26-4-001-073.000

ENVIRONMENTAL LIEN

Environmental Lien: **Found** ☐ **Not Found** ☒

1st Party:

2nd Party:

Recorded:
Book:
Page:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: **Found** ☐ **Not Found** ☒

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

Disclaimer - Copyright and Trademark Notice

This report was prepared for the use of Environmental Data Resources, Inc., and FMSM Engineers, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT**. Environmental Data Resources, Inc. (EDR) and Nationwide Environmental Title Research (NETR) specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

HISTORICAL CHAIN OF TITLE REPORT

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, ALABAMA

Submitted to:

ENVIRONMENTAL DATA RESOURCES, INC.
C/O
FMSM ENGINEERS, INC.
1901 Nelson Miller Parkway
Louisville, Kentucky 40223
(502) 212-5000

Attention: Robert Newman

Project No. N06-5256

Tuesday, August 29, 2006

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

UNITED STATES OF AMERICA

The following is the current property legal description:

Being that parcel or tract of land, known as Tract No. A-100, situated and lying in Section 26, Township 21 South, Range 10 West, Huntsville Meridian, Tuscaloosa County, State of Alabama

Assessor's Parcel No: 31-07-26-4-001-073.000

1. HISTORICAL CHAIN OF TITLE

1. DEED:
   - RECORDED: 11-02-1917
   - GRANTOR: Joseph E. Morreselle
   - GRANTEE: Frank M. Moody
   - INSTRUMENT: Bk 112, Pg 438

2. DEED:
   - RECORDED: 02-08-1945
   - GRANTOR: Frank M. Moody
   - GRANTEE: Joe Searcy
   - INSTRUMENT: Bk 29, Pg 67

3. DEED:
   - RECORDED: 04-18-1957
   - GRANTOR: Mrs. Nina Foster Searcy, widow (of Joe Searcy)
   - GRANTEE: United States of America
   - INSTRUMENT: Bk 394, Pg 274

2. LEASES AND MISCELLANEOUS

1. No institutional controls or engineering controls were found of record.

3. LIMITATION

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

APPENDIX D

PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

- 1997 Stormwater Pollution Prevention Plan
- 1998 FIFRA Memo
- 1998 ECAS
- 2001 Asbestos Inspection Report
- 2002 Internal Compliance Assessment
- 2002 Air Quality Memorandum
- 2002 Mold Report
- Radon Test Results
- 2004 Internal Compliance Assessment
- 2005 Architectural Survey Excerpt
- 2005 SPCC Plan
- 2006 June Soil Sampling Report
- 2006 LBP Inspection Report
- 2006 Asbestos Re-Inspection Report and Appendix
- 2006 ADEM UST Listing
- 2006 December Soil Sampling Report

U.S. ARMY RESERVE
STORMWATER POLLUTION PREVENTION PLAN (SWP3)

Woolsey Finnell U.S. Armed Forces Reserve Center
Area Maintenance Support Activity 154(G) & Motorpool
Tuscaloosa, Alabama
AL045

Drafted by

U.S. GEOLOGICAL SURVEY
Water Resources Division

for

81st REGIONAL SUPPORT COMMAND
Birmingham, Alabama

09/23/97

SWPPP CERTIFICATION STATEMENT
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
SIGNATURE:
TYPED NAME:
TITLE:
TELEPHONE NUMBERS:

ACRONYMS AND ABBREVIATIONS	
ADEM	Alabama Department of Environmental Management
AMSA	Area Maintenance Support Activity
AFRC	Armed Forces Reserve Center
AST	Above ground Storage Tank
ATF	Auto Transmission Fluid
ABMP	Advanced Best Management Practice
BMP	Best Management Practice
CUCV	Commercial Utility Cargo Vehicle
CFR	Code of Federal Regulations
DCSENG	81st RSC Deputy Chief of Staff, Engineer
DCSOPS(T)	Deputy Chief of Staff, Operations (Training Division)
HEMTT	Heavy Expanded Mobility Technical Truck
HET	Heavy Equipment Transport
HMMWV	High Mobility Multi-purpose Wheeled Vehicle
HMSA	Hazardous Materials Storage Area
ISCP	Installation Spill Contingency Plan
MEP	Military Equipment Park
MSDS	Material Safety Data Sheet
NPDES	National Pollutant Discharge Elimination System
NSWD	Non-stormwater Discharge
OF	Outfall
OSHA	Occupational Safety and Health Administration
POL	Petroleum, Oil, and Lubricants
POV	Privately Owned Vehicle
PPM	Potentially Polluting Material
PPT	Pollution Prevention Team
RSC	81st Regional Support Command, Birmingham, Alabama
SOP	Standard Operating Procedure
SWP3	Stormwater Pollution Prevention Plan
USARC	Headquarters - U.S. Army Reserve Command, Atlanta, GA
USGS	U.S. Geological Survey

TABLE OF CONTENTS

1.0 INTRODUCTION
- 1.1 Facility Permit
- 1.2 Facility Description
- 1.3 Plan Development
- 1.4 Plan Revisions

2.0 POLLUTION PREVENTION TEAM

3.0 ASSESSMENT
- 3.1 Site Map
- 3.2 Drainage
- 3.3 Structures
- 3.4 Potentially Polluting Materials
- 3.5 Potential Sources of Pollutants
- 3.6 Significant Spills and Leaks
- 3.7 Non-Stormwater Discharges
- 3.8 Stormwater Monitoring Data
- 3.9 Risk Summary

4.0 BEST MANAGEMENT PRACTICES PLAN
- 4.1 Baseline Best Management Practices
  - 4.1.1 Good Housekeeping
  - 4.1.2 Preventive Maintenance
  - 4.1.3 Spill Prevention and Response
  - 4.1.4 Visual Inspections
  - 4.1.5 Sediment and Erosion Control
  - 4.1.6 Environmental Training
- 4.2 Advanced Best Management Practices

5.0 IMPLEMENTATION
- 5.1 Stormwater Log Sheet and Inspection Checklist
- 5.2 Annual Compliance Inspection

6.0 APPENDIX

1.0 INTRODUCTION

The Clean Water Act of 1987 (40 CFR 122) requires Federal installations, which discharge stormwater impacted by industrial activities, to implement plans to control the quality of stormwater discharges. This "*Stormwater Pollution Prevention Plan*" (SWP3) was developed in response to these requirements. The plan identifies sources of potential pollution, describes "*Best Management Practices*" designed to minimize pollution through prevention and source control, and provides recommended actions for this facility. The SWP3 also discusses stormwater runoff drainage, identifies point-source outfalls into local surface waters, and certifies outfalls for the presence of non-stormwater discharges.

1.1 FACILITY PERMIT (Alabama General Permit #ALD982134025)

The State of Alabama, in which Woolsey Finnell Armed Forces Reserve Center and AMSA 154 resides, does have NPDES permitting authority. Stormwater permitting in the state is handled by the Alabama Department of Environmental Management (ADEM), Industrial Branch, Montgomery, Alabama (Stormwater Permit Manual, Thompson Publishing Group Inc., written commun., August 1996). The ADEM representative is James Coles at 334-271-7700.

1.2 FACILITY DESCRIPTION

Area Maintenance Support Activity 154 resides at the Woolsey Finnell Armed Forces Reserve Center, 2627 10th Avenue in Tuscaloosa, Alabama (figure 1.2). Geographic coordinates for the Reserve Center are the following: Latitude 33° 11' 15" North, Longitude 87° 33' 00" West. ADEM-regulated activities, including the AMSA shop and associated Military Equipment Park (MEP), encompass about 1.5 acres, with an approximate elevation of 180 feet above mean sea level (figure 1.2). Non-regulated activities, including administrative, privately-owned vehicle (POV) parking, and other training areas of the Reserve Center, occupy an additional 2.5 acres.

The primary mission of AMSA 154 is to provide organizational and limited direct support maintenance, and technical assistance for supported Army Reserve units located in the region. Maintenance conducted at the site includes support of military vehicles and related equipment which cannot be performed by Army Reserve unit personnel during regularly scheduled weekend training sessions. AMSA 154 also trains personnel as required and provides contact teams to perform on-site maintenance and follow-up inspections as directed. The Army Reserve unit operating at AMSA 154 motorpool is the 75th Combat Support Hospital. Other Units supported by AMSA 154 include the 278th Transportation Company, the 365th Quartermaster Company, the 465th Quartermaster Company, the 416th Replacement Company, the 813th Replacement Company, the 828th Transportation Battalion, and Detachment-1, 337th Military Intelligence Battalion.

1.3 PLAN DEVELOPMENT

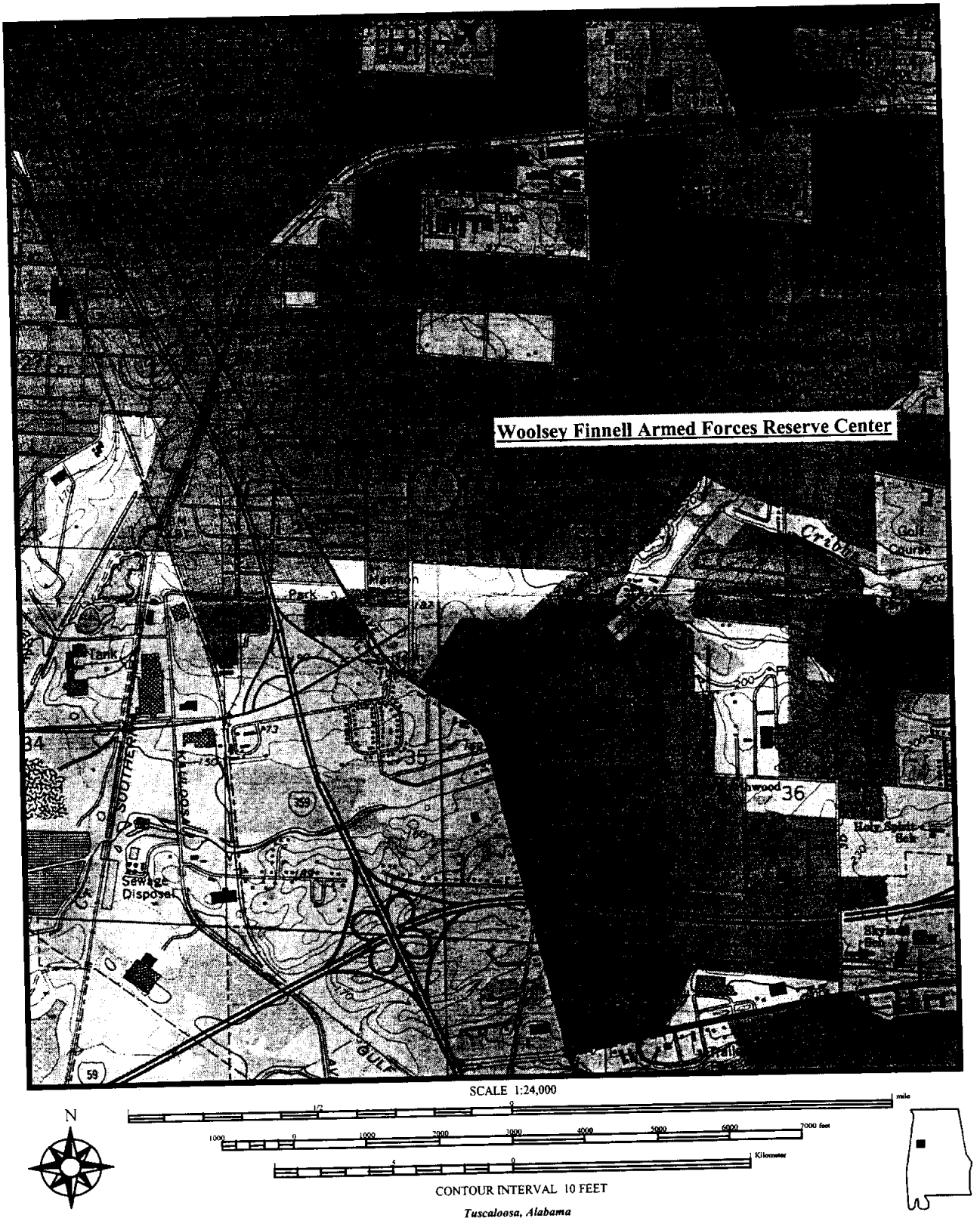
This plan was drafted by the U.S. Geological Survey (USGS), Water Resources Division. Information and illustrations included in the plan were developed from site inspections, and from 81st RSC and USGS data bases.

1.4 PLAN REVISIONS

The SWP3 should be updated annually or more often, if required. Many elements of the plan are presented in maps and tables describing sites where potential pollution of stormwater can occur, stormwater pollution risks from those sites to surface waters of the U.S., and best management practices (BMPs) that prevent or control stormwater pollution. Since these elements are subject to change, to facilitate the annual plan revision, good notes and sketches should be made during periodic stormwater inspections.

1.0 Introduction...*continued*

Figure 1.2–Location Map (source: USGS).



2.0 POLLUTION PREVENTION TEAM (MSR00.III.C.7.b(1))

The Pollution Prevention Team (PPT) is responsible for implementing and evaluating the effectiveness of the SWP3 at this facility. Personnel serving on the team should be officially appointed. Table 2.0 lists the members of the PPT and shows their respective duties. Additional members may be added to the PPT as needed.

Table 2.0--Pollution Prevention Team.

81st RSC DEPUTY CHIEF OF STAFF ENGINEER (DCSENG), ENVIRONMENTAL DIVISION (205) 940-3541. Reviews and approves the SWP3 and any modifications or updates to the plan. Coordinates with State and Federal regulators for modifications to the plan. Provides guidance and information as requested. Performs annual site compliance inspection.
WOOSLEY FINNELL AFRC FACILITY MANAGER (205) 750-2565. Has overall responsibility for ensuring that the stormwater pollution prevention program is implemented at the facility. Schedules meetings of the PPT. Signs documents and certificates required in the SWP3. Prepares cost estimates for implementation plans for advanced and baseline BMPs at the facility. Submits requisitions and work orders and promotes self-help initiatives. Reviews monthly stormwater inspection checklists. Serves as emergency spill coordinator for the facility when the AMSA Shop Foreman is not present. Coordinates with Shop Foreman during monthly stormwater inspections. Informs Commanding Officer and 81st RSC DCSENG of problems, and equipment and training needs.
AMSA 154 SHOP FOREMAN (205) 750-2562. Assists Facility Manager with implementation of the SWP3 at the facility. Coordinates with Facility Manager on equipment, construction, and training needs. Serves as official emergency spill coordinator for the facility. Conducts monthly stormwater inspections and files inspection reports. Inspects hazardous material and waste storage areas and updates records on those areas and waste generation, including tracking transfer of such materials among units. Ensures that AMSA personnel implement good housekeeping, preventive maintenance, and spill prevention practices at the motorpool.
UNIT REPRESENTATIVE. Ensures that respective unit personnel implement good housekeeping, preventive maintenance, and spill prevention practices at the motorpool. Coordinates with AMSA Shop Foreman on monthly stormwater inspections and tracking of hazardous materials and wastes.

3.0 ASSESSMENT (MSR00.III.C.7.a)

As required by the ADEM General Permit, the site assessment includes a description of potential sources of pollutants that may be reasonably expected to add significant amounts of pollutants to stormwater discharges or which may result in the discharge of pollutants during dry weather from the facility. All activities and materials that may potentially be significant pollutant sources are identified. Pollutant sources are referenced to stormwater outfalls to aid in conducting the risk assessment, implementing BMPs, and updating the SWP3.

3.1 SITE MAP (MSR00.III.C.7.a(1))

The ADEM stormwater regulations require that a facility site map be developed as part of the SWP3. Required elements of the map include locations of industrial activities, stormwater structures, and stormwater runoff drainage pathways. The site map (figure 3.1) shows primary stormwater drainage paths and outfalls, and the location of buildings and facilities. Stormwater control structures, pollutant sources, and high risk areas are labeled with site map codes, which are identified throughout this section.

3.2 DRAINAGE (MSR00.III.C.7.a(5))

Site observation of the AMSA 154 property identified five stormwater outfalls that could be regulated under ADEM stormwater regulations.

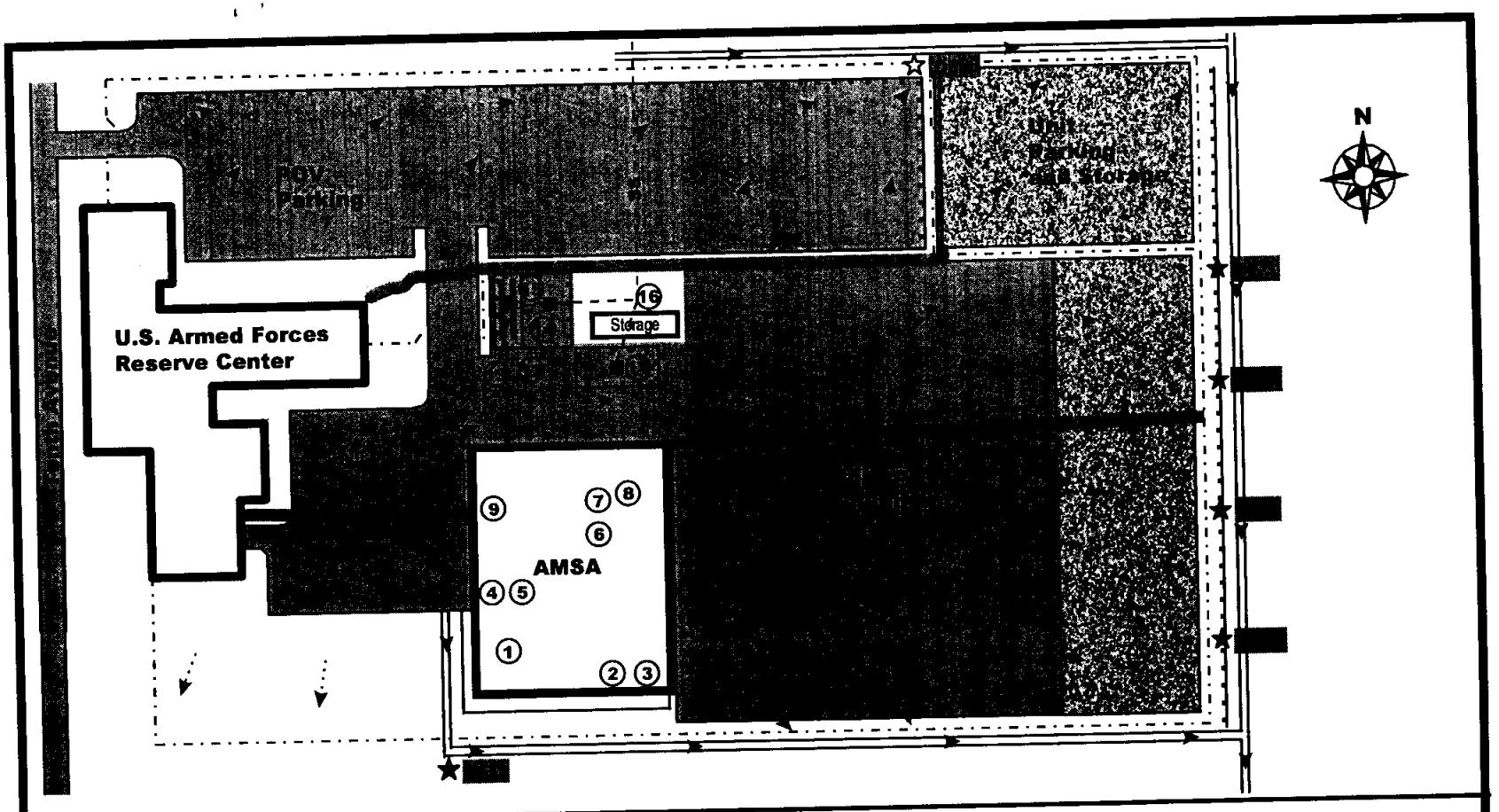
Stormwater runoff from areas around the AMSA shop drains into local stormwater conveyances. Regulated activities located within this drainage include PPM storage and loading/unloading. The stream ultimately receiving the stormwater runoff from the regulated outfalls is Cribbs Mill Creek.

Drainage from areas within the Vehicle Washrack flows through an oil/water separator into the local sanitary sewer system (*PLATES* 4, 20)(figure 3.1, sites **11**, **16** and **SS**). The AMSA shop has no interior drainage connections into local stormwater conveyances. There is a floor drain at the emergency eye wash area in the shop that flows into the sanitary sewer system. The shop battery room is reportedly connected to a septic tank system that has some capacity to neutralize battery acid (*PLATE* 3)(site **1**). No documentation for the system was found.

3.3 STRUCTURES (MSR00.III.C.7.a(3))

Stormwater runoff from Woolsey Finnell Armed Forces Reserve Center either drains into local stormwater conveyances or as sheet flow away from the MEP. The Vehicle Washrack is equipped with an oil/water separator and sanitary sewer system connection for washwater drainage (*PLATE* 4)(sites **11**, **16** and **SS**). However, the separator and sanitary connection were not designed with the intent of controlling or treating stormwater runoff. There are plans to upgrade the Vehicle Washrack in the near future.

3.0 Assessment...*continued*



SITE MAP CODE GUIDE

1-Battery storage
2-POL room
3-POL room
4-Material data safety sheets
5-Spill control supplies
6-Material safety data sheets
7-Flammable storage cabinet
8-Filter press
9-Parts-washing vat
10-Loading/unloading area
11-Vehicle washrack
12-Loading/unloading area
13-Vehicle maintenance ramp
14-Used oil storage tank (AST)
15-Hazardous materials storage building
16-Oil/water separator
17-Scrap metal/empty drum storage
18-Military Equipment Park

KEY

Stormwater Runoff
Drainage Divide
Security Fence
Sanitary Sewer (SS)
Curbing or Berm
Ditch/Swale
Drop Inlet
Regulated Outfall
Unregulated Outfall
Building/Shed
Grass
Paved
Gravel

Figure 3.1-- Woolsey Finnell Armed Forces Reserve Center Site Map

Not to scale 5/28/97

Drafted by Will S. Mooty

Reviewed by Emitt Witt, Supervisory Hydrologist

3.0 Assessment...*continued*

3.4 POTENTIALLY POLLUTING MATERIALS (MSR00.III.C.7.b(2))

Exposed PPMs include any hazardous materials that contact precipitation and/or stormwater runoff during their use at the facility (i.e., storage, active use, and/or loading/unloading). AMSA and unit personnel maintain inventories of PPMs located at the facility. The inventories should be continuously updated and include the location of the material and approximate quantity on hand. Table 6.0a in the Appendix provides an initial inventory. Exposure to stormwater runoff commonly occurs due to a lack of cover and containment during loading/unloading and storage of PPMs.

3.5 POTENTIAL SOURCES OF POLLUTANTS (MSR00.III.C.7.b(2))

An inventory of areas at the Woolsey Finnell Armed Forces Reserve Center where industrial activities could potentially pollute stormwater runoff was compiled from existing facility plans, staff interviews, and field reconnaissance. All pollutant sources at the Reserve Center are directly related to vehicle maintenance and washing; loading and unloading of PPMs; and exposed temporary or permanent storage of PPMs. The use of PPMs and generation of waste products are results of vehicle maintenance.

Maintenance of vehicles and equipment primarily occurs inside the AMSA shop, within three service bays. The only maintenance that is done outside one of the service bays is that which does not involve handling any PPMs. Military vehicle and equipment washing and steam cleaning occurs at the Vehicle Washrack (*PLATE* 4)(site **11**). The washrack is equipped with an oil/water separator and sanitary sewer system connection (*PLATE 20)*(sites **16** and **SS**).

Most PPMs (table 6.0a) utilized for maintenance operations at the facility are stored inside the POL rooms (*PLATES* 5-7)(sites **2** and **3**) or inside a flammable materials storage cabinet in the AMSA shop (*PLATE* 22)(site **7**). Materials stored inside the POL rooms are fully protected from falling precipitation and stormwater runoff during storage.

Area Maintenance Support Activity 154 is considered a conditionally-exempt, small-quantity hazardous waste generator by ADEM and has been issued a generation number by that agency: ALD982134025. Reserve units at the motorpool actively participate in the Army Oil Analysis Program, which is operated through Ft. Benning, Georgia. Used oil is accumulated in an OSHA approved AST (*PLATE* 11)(site **14**) at the hazardous materials storage area (HMSA) where it is collected by Frank Martin Trucking Company in Tuscaloosa, Alabama. Other POL products, including diesel, ATF, and brake fluid are accumulated in 55 gallon drums which are stored inside flammable materials storage buildings at the HMSA (*PLATES* 10-12)(site **15**). Used antifreeze is also accumulated in a 55-gallon drum at the HMSA. The HMSA has a concrete berm around the area. Within the bermed area are two drains that flow into the oil/water separator (*PLATE* 20). Old batteries are accumulated in the shop battery room (*PLATE* 3)(site **1**) and exchanged through a local vendor (Interstate Battery Co.). Oil and fuel filters are drained inside a 55-gallon drum inside the AMSA shop (*PLATE* 17)(site **8**) which is periodically emptied into the AST. Filters are bagged and discarded as no contract is currently in place to dispose of the filters. There currently is a 400 gallon used oil storage tank on a trailer at the HMSA (*PLATE* 11) that is being phased out of use and will be removed from the area. Safety Kleen services a parts-washing solvent vat at the shop on a regular basis (*PLATE* 16)(site **9**).

Primary loading and unloading areas (sites **10** and **12**) are situated near the POL rooms, service bays, and the HMSA.

3.0 Assessment...*continued*

3.6 SIGNIFICANT SPILLS AND LEAKS (MSR00.III.C.7.a(4))

No significant leaks or spills have occurred during the past three years.

3.7 NON-STORMWATER DISCHARGES (MSR00.III.A & C.7.b(8))

Unauthorized connections discharging pollutants to stormwater runoff or inappropriate management practices result in non-stormwater discharges (NSWDs) to stormwater sewer systems, open drainage ditches, and outfalls. Except for flows in compliance with another NPDES permit, sources of unauthorized NSWDs must be identified and permitted, or eliminated. Where necessary to minimize pollutants in these discharges, pollution prevention measures should be adopted and implemented.

During the site assessment of the Woolsey Finnell Armed Forces Reserve Center/AMSA 154 conducted by the USGS on 15 April 1997, no outfalls were found to have any non-stormwater discharge. Until recently, all stormwater runoff left the site as sheet flow except for a small area in front of the AMSA service bays. However, problems with ponding of water at the east side of the MEP prompted the placement of drainage pipes along the fenceline (*PLATE* 9) draining into the adjacent ditch.

3.8 STORMWATER MONITORING DATA (MSR00.III.C.7.a(6))

There have been no stormwater runoff samples collected at AMSA 154.

3.9 RISK SUMMARY (MSR00.III.C.7.a(3) & b(2))

An initial assessment of areas at Woolsey Finnell Armed Forces Reserve Center/AMSA 154 with the highest potential for stormwater runoff pollution has been prepared as part of the SWP3. The assessment should be considered a "snapshot" in time and must be updated annually or more often, as necessary. The following narratives summarize conditions observed during the 15 April 1997 site assessment. Sites identified as having the highest pollution potential are listed in Table 3.9. Locations of these sites are shown in Figure 3.1.

AREA MAINTENANCE SUPPORT ACTIVITY 154

Limited direct support and organizational vehicle maintenance are conducted at three work bays inside the AMSA shop. Military equipment serviced at the shop includes cargo trucks, CUCVs, HMMWVs, HEMTTs, HETs, trailers, and tractors. Maintenance on such vehicles and equipment may be conducted during the week by AMSA personnel or on drill weekends by Reservists. All major work, including servicing of engines and transmissions, is conducted at AMSA 154. Aside from supporting the unit stationed at the Reserve Center, AMSA 154 also provides maintenance assistance to seven other reserve units in the region. AMSA staff and unit personnel operate separate offices and storage rooms at the Reserve Center.

Most PPMs utilized at the shop are stored inside the POL rooms at the shop's south side (table 6.0a). The rooms are primarily dedicated for storage of POL-related PPMs, including oil, grease, ATF, and brake fluid, and paint products including spray paint, enamel, paint remover, thinner, and resin. PPMs in the POL rooms are protected from falling precipitation and stormwater runoff during storage. However, PPMs may be exposed as they are loaded/unloaded at the access doors. No spill kits or other equipment were noted in the rooms. Other PPMs utilized inside the shop maintenance bays are stored in a flammable materials storage cabinet in the AMSA service bays (*PLATE* 22)(site 7). The flammable materials storage cabinet is fully protected from falling precipitation and stormwater runoff, as the service bays have no connections into local stormwater conveyances.

3.0 Assessment...*continued*

Neat, orderly conditions, adequate work space, spill response supplies (*PLATE* 18)(site **5**), and updated material safety data sheets (*PLATE* 19)(sites **4** and **5**) were noted inside the shop service bays. A Spill Prevention Control and Countermeasures Plan (SPCCP)[1995] prepared by the U.S. Army Corps of Engineers discusses and provides guidance on the handling and disposal of PPMs. The SPCCP also provides an Installation Spill Contingency Plan (ISCP). Other observed BMPs include preventive maintenance and visual inspections. Recommended BMPs include materials handling and spill prevention training, improved labeling, and updating of environmental plans.

The AMSA shop poses a low risk to surface waters of the State of Alabama. AMSA and unit staff safely store and use PPMs while inside the shop. Primary concerns include loading/unloading at the HMSA and POL rooms, where most shop PPMs are housed.

VEHICLE WASHRACK

The Vehicle Washrack is utilized for rinsing small and large military vehicles (*PLATE* 4)(site **11**). The concrete-paved rack slopes into a single drain, which connects through an oil/water separator into the local sanitary sewer system (*PLATE* 20)(sites **16** and **SS**). Motorpool and reserve personnel use the washrack regularly. The washrack is not equipped with concrete curbing or a covering but plans are to build a cover over it in the near future. Observed BMP's include SOP (not posted), good housekeeping, preventive maintenance (annually and as needed), and visual inspections. Recommended additional BMPs include curbing and covering.

The Vehicle Washrack poses a low risk to surface waters of the State of Alabama, primarily due to a lack of drainage into local stormwater conveyances.

MILITARY EQUIPMENT PARK

The Military Equipment Park (MEP) includes a fenced storage area for unit vehicles and equipment east of the AMSA shop. Vehicles and equipment stored full-time in the MEP are owned by the 75th Combat Support Hospital. There are many other vehicles belonging to other units stored in the MEP that are due for maintenace work by AMSA 154. Most of the MEP is paved except for a small part of the eastern end which is covered with gravel. Stormwater runoff from the MEP drains into stormwater-drainage ditches adjacent to the MEP (*PLATE*S 9 and 14).

Used oil is accumulated inside a 500 gallon AST at the HMSA (*PLATE* 11)(site **14**) near the north side of the shop. The tank is OSHA approved and is within a containment basin that protects against spills or leaks. Drainage from areas around the tank flows into drains that are connected to the oil/water separator.

Observed BMPs at the MEP include good housekeeping and visual inspections. Drip pans were observed in use where vehicles were leaking fluids (*PLATE* 21).

The MEP poses a low risk to surface waters of the State of Alabama due to the minimal exposure of PPMs to precipitation and storm runoff. Primary areas of concern include exposed loading/unloading at the HMSA and vehicles leaking PPMs onto the ground.

3.0 Assessment...*continued*

Table 3.9--Risk summary.

SITE MAP CODE	LOCATION	REGULATED ACTIVITY	PPM	OUTFALL/ RECEIVING WATERS	EXPOSURE TYPE[1]	RATING/ REASON[2]
1	AMSA	PPM storage	Battery acid	None/None	A	Low/e
2, 3	AMSA	PPM storage	POL, detergent, antifreeze, paint, solvent	None/None	A	Low/c, e
7	AMSA	PPM Storage	POL, antifreeze, solvent	None/None	E	Low/b, e
8	AMSA	PPM storage	POL	None/None	A	Low/e
9	AMSA	PPM storage	Solvent	None/None	A	Low/e
10	AMSA	Loading/unloading	POL, detergent, antifreeze, paint, solvent, battery acid	OF-2 thru OF-6/Cribbs Mill Creek	E	Moderate/a, b, d
11, 16	Vehicle Washrack	Vehicle maintenance/ washing	Detergent and POL residues	None/Sanitary	F	Low/b, e
12	AMSA	Loading/unloading	POL, detergent, antifreeze, paint, solvent, battery acid	OF-2 thru OF-6/Cribbs Mill Creek	E	Moderate/a, b, d
14	AMSA	PPM storage, loading/unloading	POL	None/None	E	Low/b, e
15	AMSA	PPM storage	POL, antifreeze	None/None	A	Low/e
18	MEP	PPM storage	POL, detergent, antifreeze, paint, solvent, battery acid	OF-2 thru OF-6/Cribbs Mill Creek	B, C, D	Moderate/a, b, d

[1]EXPOSURE TYPE:

A No exposure to falling precipitation or stormwater runoff
B Direct exposure to falling precipitation due to lack of covering during storage
C Direct exposure to stormwater runoff due to lack of containment during storage
D Indirect exposure to precipitation and/or runoff due to spills/leaks to exposed areas
E Direct exposure to precipitation and runoff due to spills/leaks during transfer
F Overflow of stormwater runoff due to inadequately designed oil/water separator

[2]RATING/REASON KEY:

a Lack of containment, preventing exposure to stormwater runoff
b Lack of covering, preventing exposure to precipitation
c Lack of spill kits, drip pans, sorbent, and/or other spill equipment
d Particularly large amount of hazardous material stored and/or transferred
e Not a point-source discharge to surface waters of the U.S.

4.0 BEST MANAGEMENT PRACTICES PLAN (MSR00.III.C.7.b & c)

Best Management Practices (BMPs) are measures and controls that can reduce potential stormwater pollution from industrial activity pollutant sources. These BMPs can be classified as "*baseline*" or "*advanced*" and they may be either inexpensive or costly to implement. Baseline BMPs include inspection programs and contingency plans that attempt to identify and eliminate conditions and practices that could cause stormwater pollution. Advanced BMPs are techniques, equipment, or structures that eliminate contact between stormwater runoff and PPMs.

In the following sections, foundations will be established for a BMPs program at Woolsey Finnell Armed Forces Reserve Center/AMSA 154. Baseline and advanced BMPs necessary for the implementation of the facility stormwater program will be discussed and listed in Table 4.0. The stormwater inspection checklist in section 5.0 should be used to monitor potential problems and to select BMPs.

4.1 BASELINE BEST MANAGEMENT PRACTICES (MSR00.III.C.7.b)

Baseline BMPs are relatively simple inspection programs and contingency plans that are implemented at a facility. The AMSA Shop Foreman will perform monthly stormwater inspections. The 81st RSC is responsible for updating the spill plan, ensuring motorpool personnel receive environmental training, and conducting an annual compliance inspection of the facility. The following baseline programs are briefly discussed in this chapter are included in the stormwater inspection checklist provided in Table 5.1b.

4.1.1 Good Housekeeping (MSR00.III.C.7.b(5))

Good housekeeping addresses cleanliness and orderliness of work and storage areas. Common sense guides the continued use of or the appropriate implementation of good housekeeping practices.

4.1.2 Preventive Maintenance (MSR00.III.C.7.b(4))

Preventive maintenance addresses technically inspecting all vehicles and equipment for conditions that could lead to leaks or spills of PPMs. All incoming vehicles and equipment should be technically inspected for fluid leaks or drips. Vehicles and equipment stored at the facility should be inspected daily for fluid leaks and drips. Maintenance equipment, oil/water separators, storage tanks and drums, pipes, and pumps should be included in the technical inspection.

4.1.3 Spill Prevention and Response (MSR00.III.C.7.b(6))

The facility spill plan should be reviewed and revised by the 81st RSC for Woolsey Finnell AFRC/AMSA 154. The AMSA Shop Foreman has the responsibility to serve as emergency coordinator in the event of a spill. The Facility Manager should be designated as emergency spill coordinator at the facility when the Shop Foreman is not present. The Shop Foreman (or alternate) has the responsibility to ensure the spill is immediately contained, proper spill reporting procedures are followed, and the 81st RSC is immediately informed.

4.1.4 Visual Inspections (MSR00.III.C.7.c)

A formal visual inspection program is used to ensure that good housekeeping and preventive maintenance are being actively practiced, and a spill plan and spill containment equipment are readily available at the facility. The AMSA Shop Foreman will conduct a monthly visual inspection of the motorpool using the stormwater inspection checklist. The 81st RSC will perform annual compliance inspections using the stormwater inspection checklist.

4.1.5 Sediment and Erosion Control (MSR00.III.C.7.b(3))

The ADEM General Permit requires identification of areas having a high potential for significant soil erosion and selection of measures (BMPs) to remediate those sites. One such area was identified at Woolsey Finnell Reserve Center/AMSA 154. An area around a fencepost between OF-3 and OF-4 has formed a sinkhole that apparently flows to the adjacent drainage ditch. Corrective action should be taken immediately to resolve the problem.

4.1.6 Environmental Training (MSR00.III.C.7.b(7))

Headquarters, U.S. Army Reserve Command (USARC) has developed a video-based stormwater training package. Stormwater training is mandated by DCSOPS(T) for all reservists assigned to a facility with a stormwater permit. All civilian personnel who work within regulated areas also are required to attend the training.

4.2 ADVANCED BEST MANAGEMENT PRACTICES (MSR00.III.C.7.b(2))

Advanced BMPs are techniques, equipment, structures, or construction practices that prevent hazardous materials or wastes from reaching the environment in stormwater runoff. All Army Reserve maintenance facilities employ various advanced BMPs. Implementation of new advanced BMPs or maintenance and upkeep of existing advanced BMPs usually requires requisitions, work orders, or self-help initiatives. Identification, implementation, and upkeep of advanced BMPs involves coordination between the Facility Manager, AMSA Shop Foreman, shop personnel, senior officers, and 81st RSC staff. The Facility Manager has a responsibility to work with AMSA, unit, and 81st RSC personnel to identify needed advanced BMPs and provide proper maintenance and upkeep for existing advanced BMPs. Also, the Facility Manager has the responsibility to inform senior officers of advanced BMP needs, and submit and follow up on requisitions and work orders. Table 4.0 identifies common advanced BMPs and their degree of implementation at the facility.

Table 4.0 details the status of the BMPs program at the facility. Based on their degree of implementation, baseline and advanced BMPs can be prioritized and scheduled by the PPT. "Recommended" BMPs in Table 4.0 should be endorsed by the facility PPT as goals for 1997. The Facility Manager should initial and date the block indicating if the recommended best management practice is accepted and is being implemented.

Table 4.0—Best Management Practices.

BEST MANAGEMENT PRACTICE (BMP)	BMP TYPE[1]	IMPLE-MENTED	RECOM-MENDED	IMPLE-MENTED BY	IMPLE-MENTATION DATE
Keep work areas and outside areas clean, free of easily spilled materials, and free of sediment and loose soil	GH	X			
Ensure that facility maintenance and hazardous material storage buildings are in good condition	GH	X			
Perform maintenance, washing, fueling, and painting at authorized areas	GH	X			
Clean spilled materials with dry sweep or rags, not with water	GH	X			
Enforce proper handling, storage, disposal, and labeling of new and used PPMs	GH	X			
Maintain updated MSDSs and PPMs inventory	GH	X			
Post good housekeeping visual aids at the motorpool	GH		X		
Formally train military and civilian maintenance personnel in good housekeeping practices	GH/TG	X			
Provide technical inspection for all incoming and parked vehicles and equipment with particular emphasis on fluid leaks	PM/VI	X			
Ensure that washracks and oil/water separators are properly operated and maintained	PM		X		
Regularly service stormwater sewer drop inlets, pipes, and other conveyances	PM	X			
Ensure that an updated spill plan, emergency coordinator, and spill equip. are available at the facility during working hours	SPR	X			
During off- duty hours, in the event of a significant spill or leak, the designated spill coordinator should refer to the spill plan	SPR	X			
Provide formal training in emergency spill response to all military and civilian maintenance personnel	SPR/TG		X		
Ensure that outdoor storage structures provide secondary containment, and prevent contact between PPMs and stormwater	SPR		X		
Conduct a monthly visual inspection of the motorpool using the stormwater inspection checklist.	VI		X		
Identify conditions that could cause stormwater pollution and report potential problems to the 81st RSC	VI		X		
Perform an annual stormwater compliance inspection	VI		X		
Insure that motorpool areas and stormwater conveyances (outfalls, drop inlets, and pipes) are free of sediment and eroded soil	SEC		X		
Provide stormwater training for all military and civilian maintenance personnel	TG		X		
Ensure that drip pans are requisitioned and used at motorpool parking areas	ABMP		X		
Install covering and provide operator's SOP at washrack	ABMP		X		

[1]BMP

GH	Good Housekeeping	SPR	Spill Prevention and Response	SEC	Sediment Erosion and Control	ABMP	Advanced Best Management Practice
PM	Preventive Maintenance	VI	Visual Inspections	TG	Training		

5.0 IMPLEMENTATION (MSR00.III.C.7.c & d)(MSR00.IV)

This section establishes inspection and record keeping programs that will bring the facility into compliance. Included in this chapter are compliance guides, a stormwater activity log sheet for record keeping, and a stormwater inspection checklist to be used when performing monthly and annual stormwater inspections. Table 5.0 presents key elements required to implement and evaluate the stormwater management program. Additional columns are provided in Table 5.0 to allow for approval and scheduling of such activities by senior officials.

Table 5.0--Key elements to implement and evaluate the stormwater management program.

ELEMENT TO IMPLEMENT SW PROGRAM	BY	DATE
Assign top priority to: (1) correcting problems identified during the initial site assessment; and (2) establishing stormwater inspection and personnel training program.		
Record significant stormwater management activities on the stormwater log sheet.		
Monthly inspections will be performed by the AMSA Shop Foreman. Any problems identified will be reported to the Facility Manager for corrective action. If the problem cannot be corrected by the Facility Manager, recommendations for corrective actions will be made to the 81st RSC.		
Monthly inspection checklists will be reviewed, signed and dated by the Facility Manager, and filed by the AMSA Shop Foreman for future reference by compliance inspectors.		
Periodic stormwater inspection reviews will be performed by the 81st RSC. Recommended corrective actions and employee training needs should be discussed.		
The Facility Manager should discuss equipment, construction, and training needs with the AMSA Shop Foreman, senior officers and the 81st RSC. Requisitions and work orders should be submitted through proper channels by the Facility Manager.		
Employee training should be conducted.		
Advanced BMPs should be implemented.		
The annual stormwater management program compliance evaluation and stormwater plan review will be conducted by 81st RSC personnel.		

5.1 STORMWATER LOG SHEET AND INSPECTION CHECKLIST (MSR00.III.C.7.c)

The stormwater log sheet (table 5.1a) and stormwater inspection checklist (table 5.1b) for motorpool operations are provided on the following pages. The log sheet and checklist form a permanent record of stormwater management activities conducted at this facility. Items such as stormwater inspections, PPM spills, or activities related to implementation and maintenance of BMPs should be recorded on the log sheet. The inspection checklist is designed to reinforce the existing BMP program by assessing the effectiveness of implemented measures and controls. Regularly (monthly) updating logs and checklists will aid the facility in tracking pollutant sources, risks, and BMPs. The original documents should be signed and dated, and kept with the SWP3 at the facility for future reference during plan revisions or inquiries by 81st RSC, State, or Federal inspectors.

Table 5.1a--Stormwater log sheet.

DATE	INITIALS	NARRATIVE
Example: 7-7-97	WSM	20 gallons gas spilled—none recovered. Some entered storm drain.

Table 5.1b--Stormwater inspection checklist.

UNIT NAME:	BUILDING NAME:	DATE:
PROBLEMS NOTED:		
INSPECTORS NAME:	SIGNATURE:	

YES	NO	[illegible]
		Do you see any evidence of recently spilled materials, either solid or liquid?
		Do you see any evidence of illegal dumping in stormwater sewers or drop inlets?
		Are PPMs exposed to precipitation or stormwater runoff?
		Are drums, PPM storage structures, and secondary containment units secure and properly labeled?
		Is a contract in place for the proper collection and disposal of spent PPMs generated at the motorpool?
		Are vehicles and equipment stored outdoors free of excessive mud and dirt?
		Do you see excess trash, unswept or cluttered work areas, or materials that can be easily spilled?
		Are there spots, pools, or other traces of PPMs on the ground?
		Do you see any leaking vehicles, drums, tanks, dumpsters, or other equipment?
		Does standing water have oil sheening or discoloration?
		Is vehicle/equipment washing or steam cleaning performed at any area other than the washrack?
		Is an updated spill plan or SOP posted on the shop bulletin board?
		Is spill containment equipment readily accessible?
		Are monthly visual inspections performed and documented?
		Does stormwater runoff enter and cause problems inside shop and storage buildings?
		Is the vehicle washrack operating properly?
		Is there any active soil erosion at the motorpool?
		Are local stormwater conveyances (drop inlets, piping, ditches) free of significant sediment, trash, or other debris?
		Are there areas of standing water at the motorpool?
		Are any non-stormwater discharges entering the stormwater sewer system or drainage ditches?
		Do outdoor PPM storage structures prevent contact with precipitation or stormwater runoff?
		Are secondary containment units in use at new and used PPM storage areas?
		Are drip pans in use at the motorpool? Estimated percentage of vehicles with drip pans: _____%.
		Are conex boxes or milvans used to store new or used PPMs at this motorpool? If yes, please give the number of conex boxes or milvans in use: _____
		Are visual aids such as stormwater posters and warning signs displayed at this motorpool?
		Is environmental training provided for personnel working at the motorpool?

CORRECTIVE ACTIONS NEEDED:		
REVIEWERS NAME:	SIGNATURE:	DATE:

5.2 ANNUAL COMPLIANCE INSPECTION (MSR00.IV.B)

The SWP3 will be updated annually or more often, as required. The 81st RSC will be charged with conducting compliance evaluations and updating the plan. Major tasks include (i) reviewing updated site information (including stormwater log sheets and inspection forms); (ii) reinspecting industrial activity and pollutant source areas and outfalls; (iii) updating information about those areas and the PPMs inventory; (iv) conducting non-stormwater discharge inspections of outfalls; (v) reevaluating the use of BMPs and recommending additional controls (if necessary); and (vi) convening the PPT to review stormwater issues and problems. The compliance update also allows the PPT to assess and update training needs. Table 5.2 provides information on conducting the evaluations.

Table 5.2--Annual compliance schedule.

COMPLIANCE ELEMENT	CONDUCTED BY	START DATE	COMPLETION DATE
Review monthly stormwater inspection checklists completed by the AMSA Shop Foreman			
Review site assessment in SWP3 and update as necessary (outfalls, sources, PPMs, site map)			
Review implementation status of BMPs in SWP3 and update as necessary			
Based on updated implemented BMPs, update recommended BMPs			
Review and update regulatory information in the SWP3 if necessary			
Conduct NSWD assessment and certification			
If required, conduct stormwater sampling of regulated outfalls (consult ADEM and ADEM General Permit for information)			
Complete report of compliance findings and sampling results, and file			

6.0 APPENDIX

Table 6.0a—Potentially polluting materials.

PPM NAME	SITE CODE	[illegible]	QUANTITY	OUTFALL[1]
Oil dry material	2	Loading	4 bags	OF-2-6
Antifreeze	2	Loading	1 drum	OF-2-6
Aerosol paint and laquer	2	Loading	83 cans	OF-2-6
Cleaning fluid	2	Loading	9 (16 oz. cans)	OF-2-6
Coating compound	2	Loading	3 (1 gal)	OF-2-6
Dishwashing compound	2	Loading	12 (1 gal)	OF-2-6
Enamel paint	2	Loading	4 (1 qt)	OF-2-6
Enamel paint	2	Loading	6 (1 gal)	OF-2-6
Aircraft grease	2	Loading	19 (5 gal)	OF-2-6
Methanol	2	Loading	10 (5 gal)	OF-2-6
Polyurethane coating	2	Loading	7 (5 gal)	OF-2-6
Paint thinner	2	Loading	22 (1 gal)	OF-2-6
Adhesive	3	Loading	4 (16 oz can)	OF-2-6
Adhesive	3	Loading	2 (4 oz)	OF-2-6
Adhesive	3	Loading	10 (4.7 oz)	OF-2-6
Adhesive	3	Loading	7 kits	OF-2-6
Adhesive	3	Loading	8 (10 oz)	OF-2-6
Brake fluid, silicone	3	Loading	6 (1 gal)	OF-2-6
Cartridge, engine starter	3	Loading	11 (18 oz)	OF-2-6
Cleaner, lubricant	3	Loading	4 (1 gal)	OF-2-6
Cleaning compound	3	Loading	41 (1 qt)	OF-2-6

[1] **Referenced outfalls** pertain only to those outfalls affected directly by runoff from the industrial activity which exposes the PPM in question.

6.0 Appendix...*continued*

PPM NAME	SITE MAP ID	POTENTIAL EXPOSURE CHAIN	QUANTITY	OUTFALL[1]
Detergent, general	3	Loading	19 (1 pt)	OF-2-6
Dent filler	3	Loading	2 kits	OF-2-6
Fuel, engine primer	3	Loading	3 cans	OF-2-6
Glass cleaner	3	Loading	1 gal	OF-2-6
Grease, aircraft	3	Loading	3 (5 lb)	OF-2-6
Grease, auto	3	Loading	7 (5 gal)	OF-2-6
Grease, ball and roller	3	Loading	32 cans	OF-2-6
Hydraulic fluid, auto	3	Loading	10 (5 gal)	OF-2-6
Hydraulic fluid, auto	3	Loading	83 (1 qt)	OF-2-6
Hydraulic fluid, petroleum	3	Loading	6 gal	OF-2-6
Lubricating compound	3	Loading	4 (16 oz)	OF-2-6
Lubricating compound	3	Loading	12 cans	OF-2-6
Lubricating oil, air comp.	3	Loading	3 qts	OF-2-6
Lubricating engine oil	3	Loading	21 (5 gal)	OF-2-6
Lubricating oil, gear	3	Loading	7 (5 gal)	OF-2-6
Propane	3	Loading	8 (14.1 oz)	OF-2-6
Scouring powder	3	Loading	24 cans	OF-2-6
Sealing compound	3	Loading	14 (11 oz)	OF-2-6
Sealing compound	3	Loading	1 tube	OF-2-6
Sealing compound	3	Loading	1 kit	OF-2-6
Soap, borax	3	Loading	6 boxes	OF-2-6
Soap, grit	3	Loading	34 bars	OF-2-6

[1]**Referenced outfalls** pertain only to those outfalls affected directly by runoff from the industrial activity which exposes the PPM in question.

6.0 Appendix...*continued*

PPM NAME	SITE MAP CODE	POTENTIAL POLLUTANT	QUANTITY	OUTFALL
Spirax, heavy duty	3	Loading	9 (5 gal)	OF-2-6
Windshield wash	3	Loading	47 pts	OF-2-6

[1]**Referenced outfalls** pertain only to those outfalls affected directly by runoff from the industrial activity which exposes the PPM in question.

6.0 Appendix...*continued*

Table 6.0b--Non-stormwater discharge certification.

NON-STORMWATER DISCHARGE ASSESSMENT AND CERTIFICATION						
DATE OF TEST OR EVALUATION	OUTFALL DIRECTLY OBSERVED DURING THE TEST	METHOD USED TO ENT[illegible] EVALUATED DISCHARGE	[illegible] STORMWATER DISCHARGE	[illegible]	[illegible]	RECOM[illegible] ACTION
04/15/97	OF-1	Visual	No NSWD	NA	USGS, AL	NA
04/15/97	OF-2	Visual	No NSWD	NA	USGS, AL	NA
04/15/97	OF-3	Visual	No NSWD	NA	USGS, AL	NA
04/15/97	OF-4	Visual	No NSWD	NA	USGS, AL	NA
04/15/97	OF-5	Visual	No NSWD	NA	USGS, AL	NA
04/15/97	OF-6	Visual	No NSWD	NA	USGS, AL	NA

I certify that periodic NSWD inspections will be performed at Woolsey Finnell Armed Forces Reserve Center/AMSA 154 and conducted in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information that is collected. Additionally, I certify the NSWD information listed in this table is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name and Title of Certifying Authority	**B. Area Code and Telephone Number**
C. Signature Certifying Authority	**D. Date Signed**

6.0 Appendix...*continued*

Figure 6.0—Photolog.

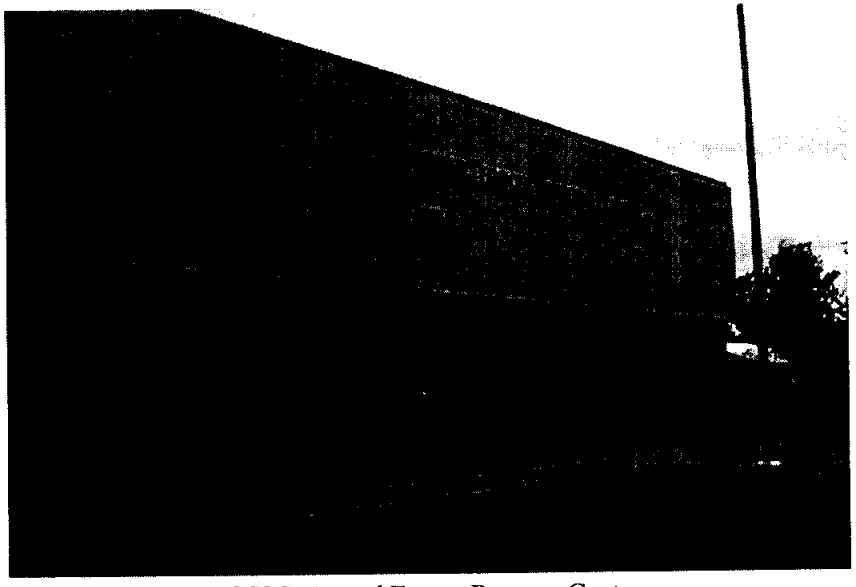


PLATE 1: Front of U.S. Armed Forces Reserve Center

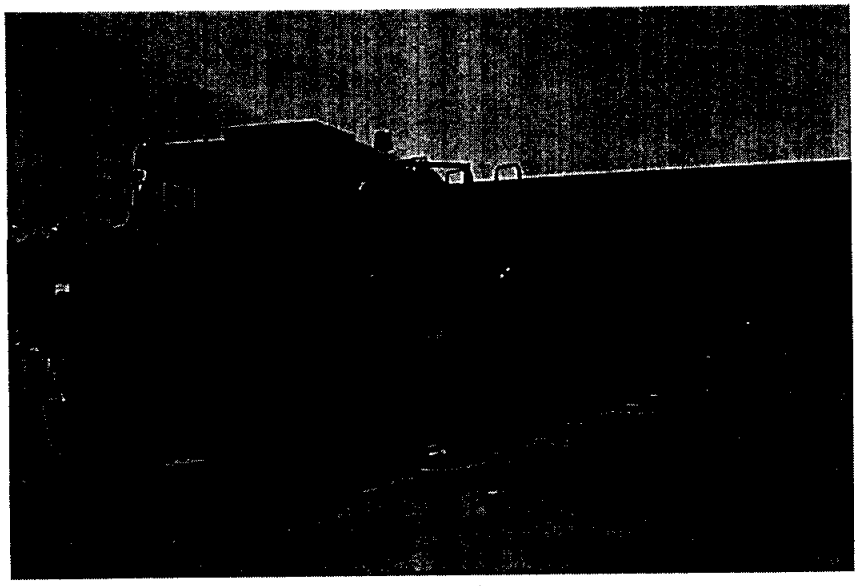


PLATE 2: HET at front of AMSA 154 shop

6.0 Appendix...*continued*

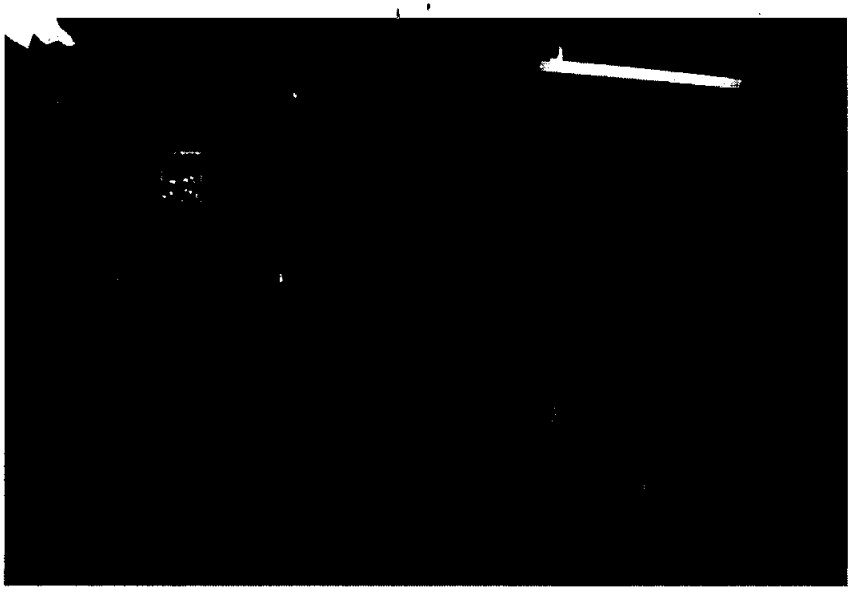


PLATE 3: Battery storage room

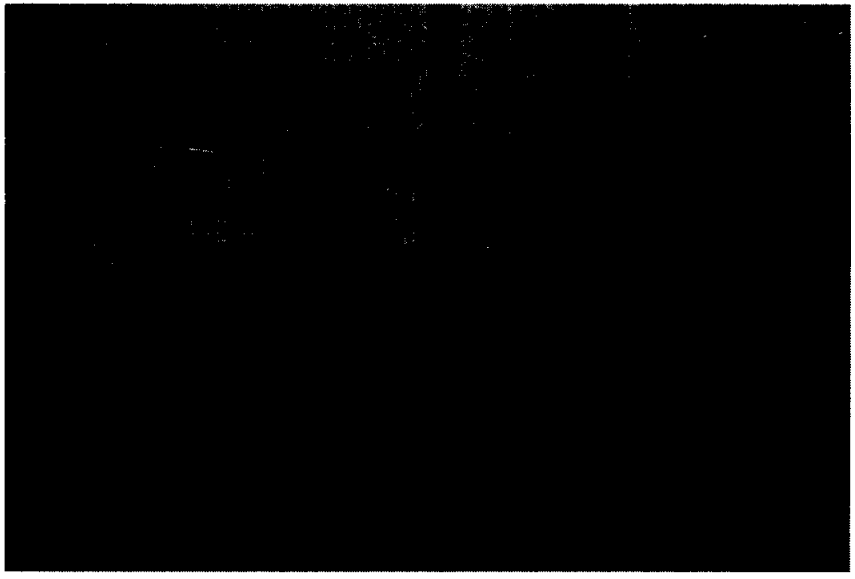


PLATE 4: Vehicle washrack

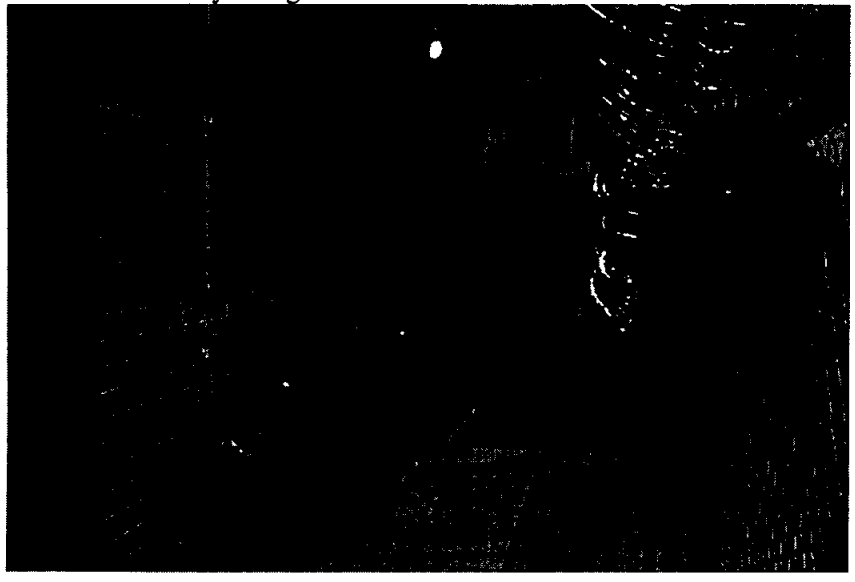


PLATE 5: POL rooms

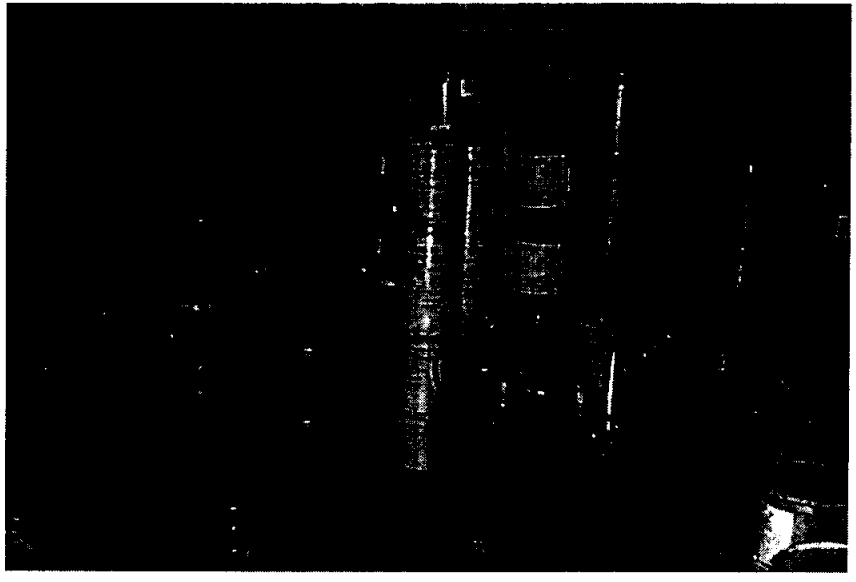


PLATE 6: POL storage

6.0 Appendix...*continued*

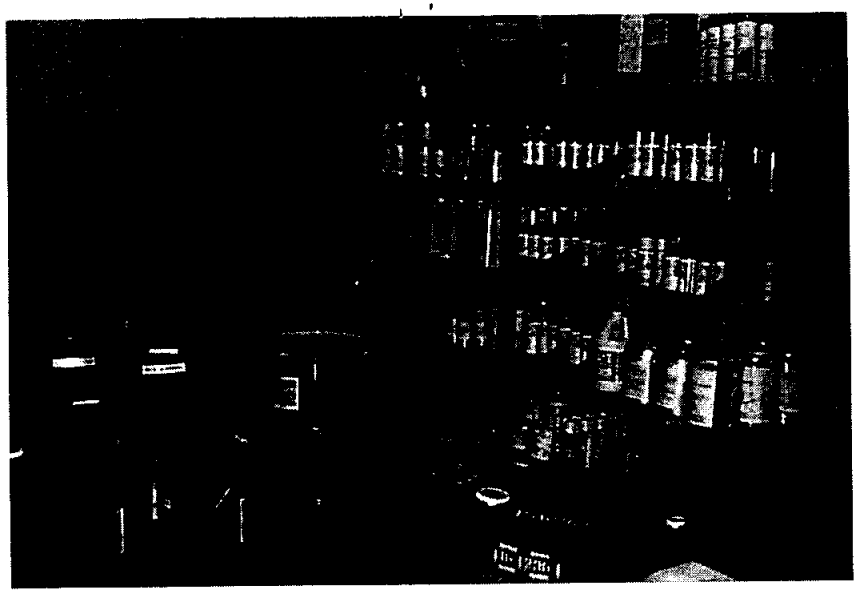


PLATE 7: POL storage

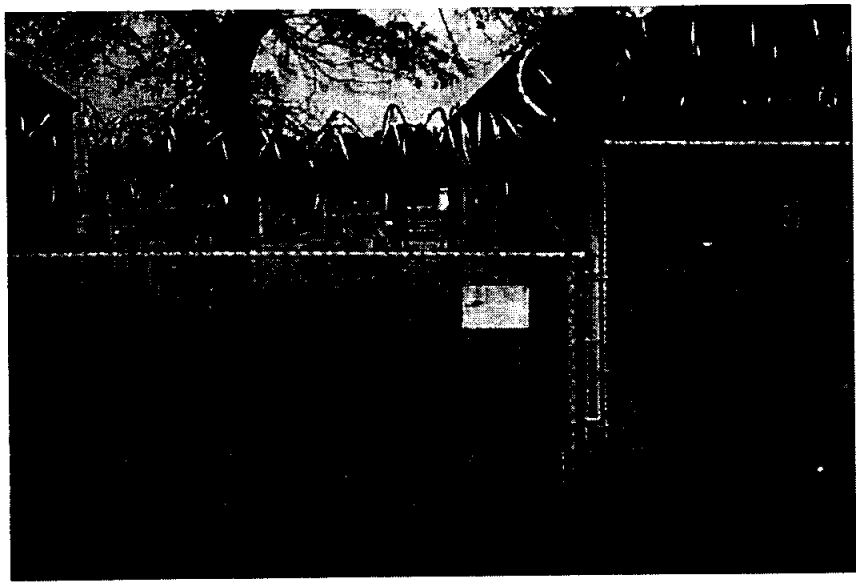


PLATE 8: Outfall OF-2 near POL rooms

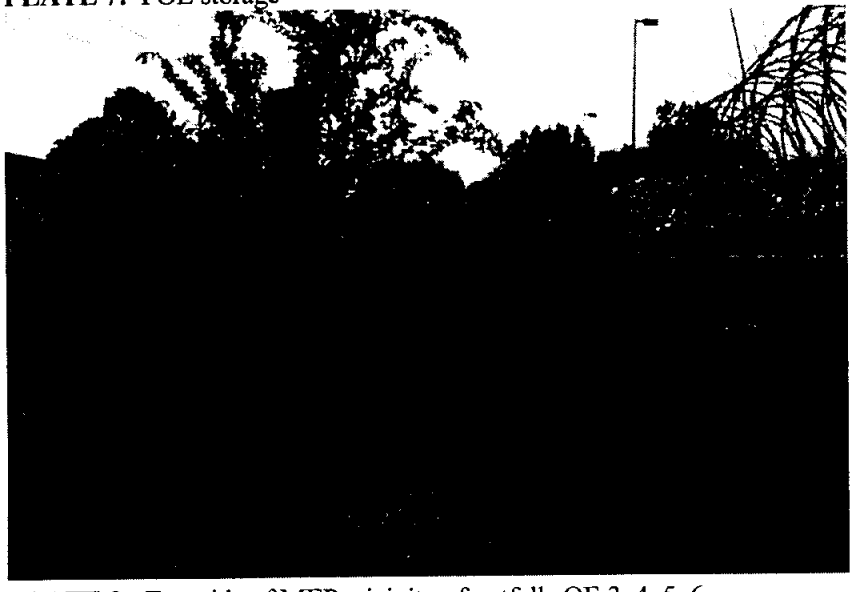


PLATE 9: East side of MEP, vicinity of outfalls OF-3, 4, 5, 6

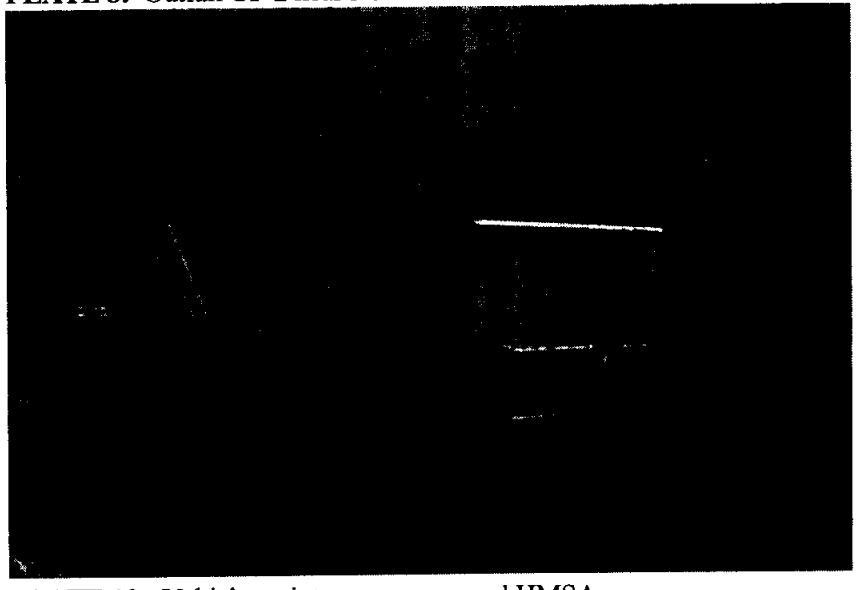


PLATE 10: Vehicle maintenance ramp and HMSA

6.0 Appendix...*continued*

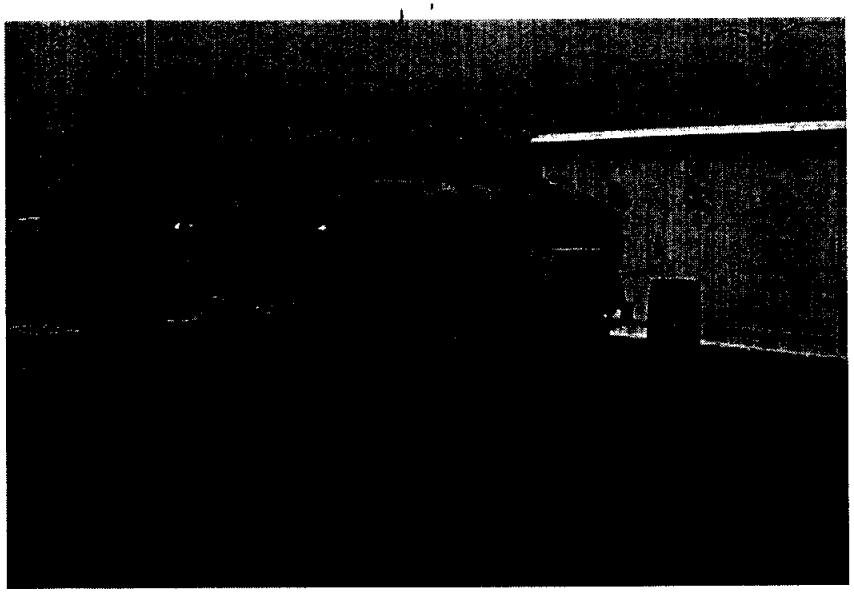


PLATE 11: Used oil storage tank and HMSA

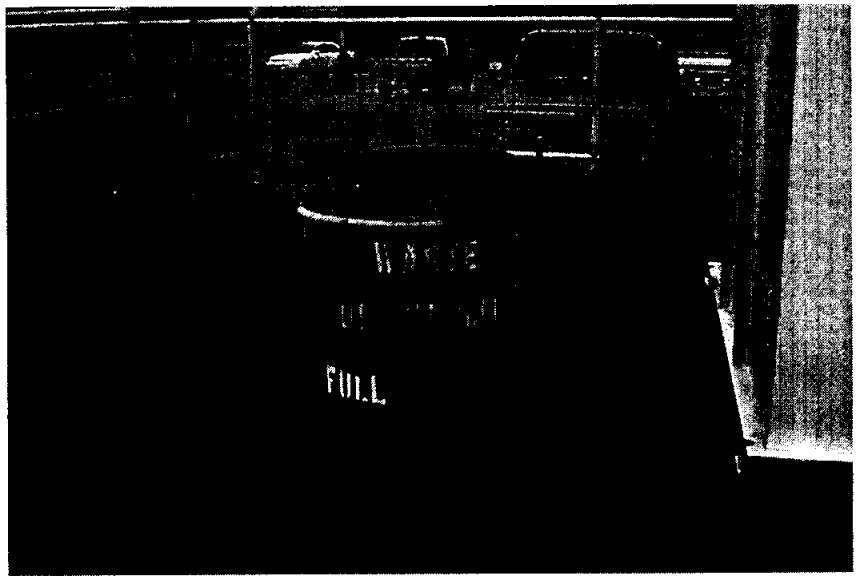


PLATE 12: Used oil barrels in front of HMSA

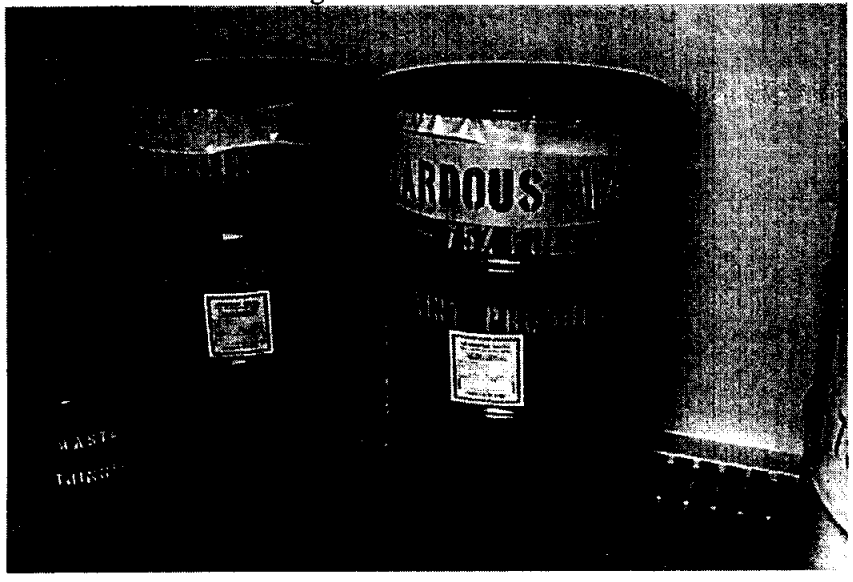


PLATE 13: Barrels inside HMSA

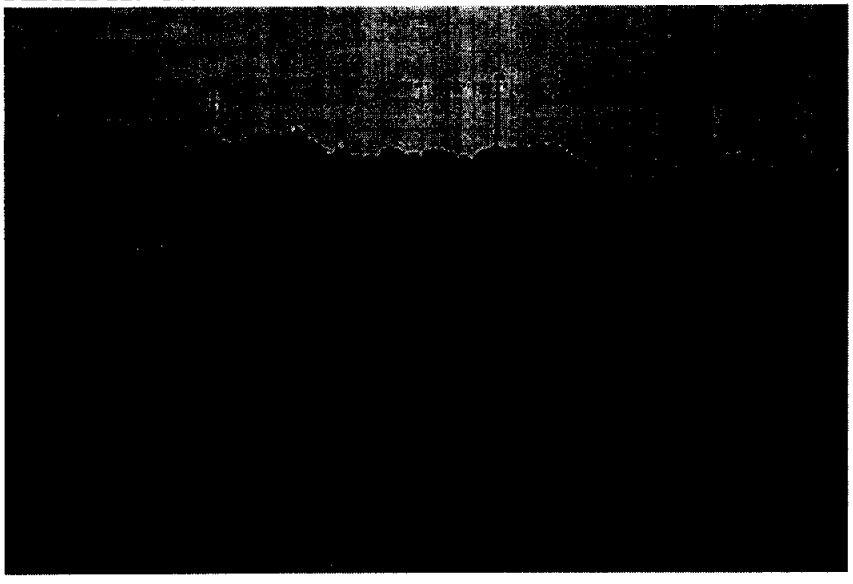


PLATE 14: MEP

6.0 Appendix...*continued*

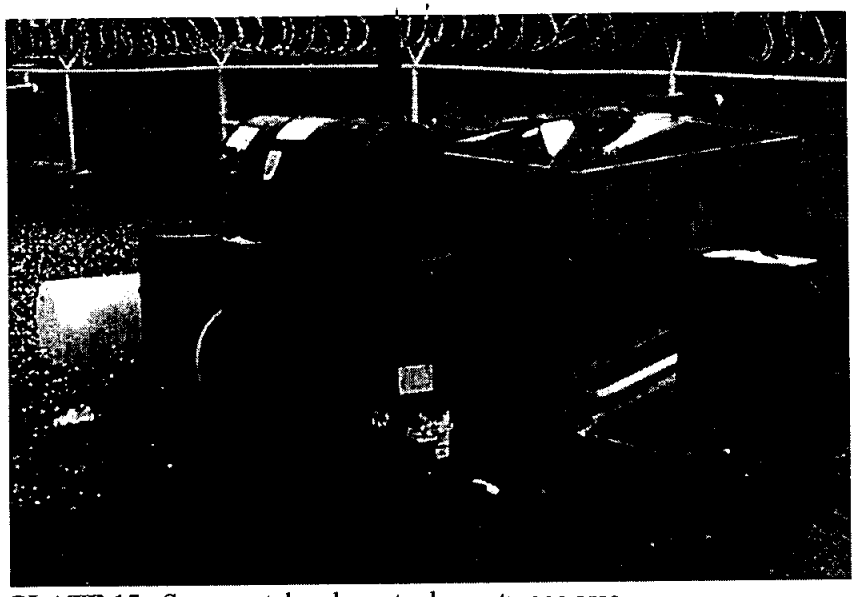


PLATE 15: Scrap metal and empty drum storage area

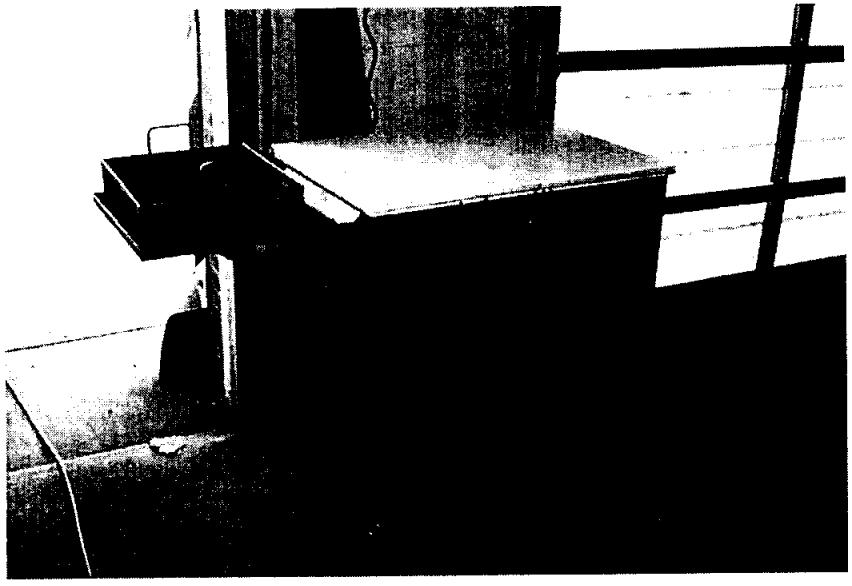


PLATE 16: Parts washing vat

6.0 Appendix...*continued*

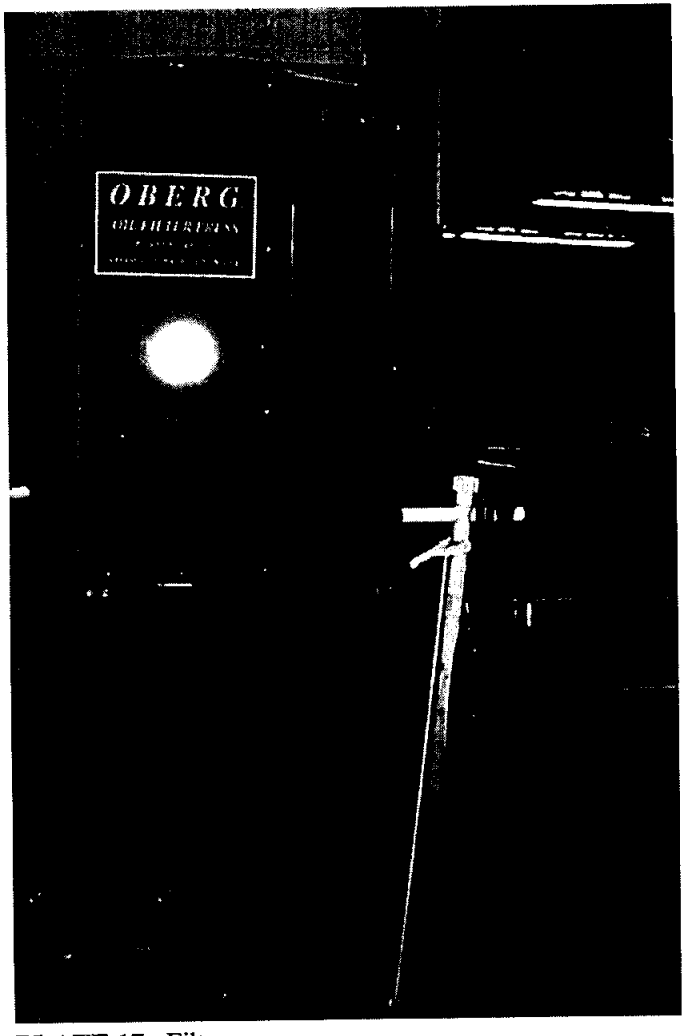


PLATE 17: Filter press

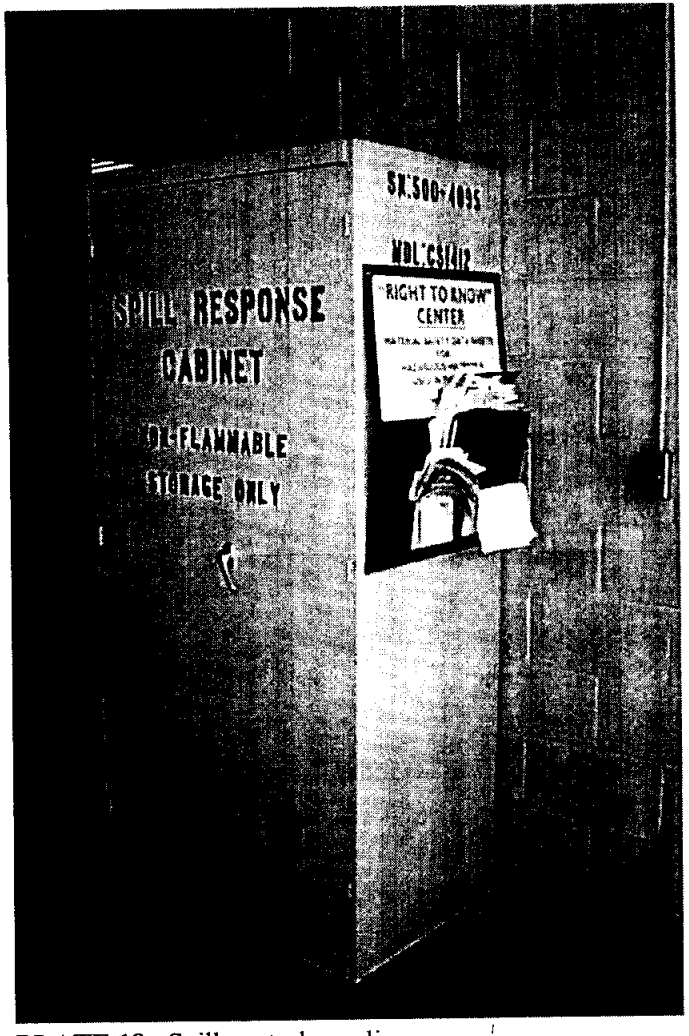


PLATE 18: Spill control supplies

6.0 Appendix...*continued*

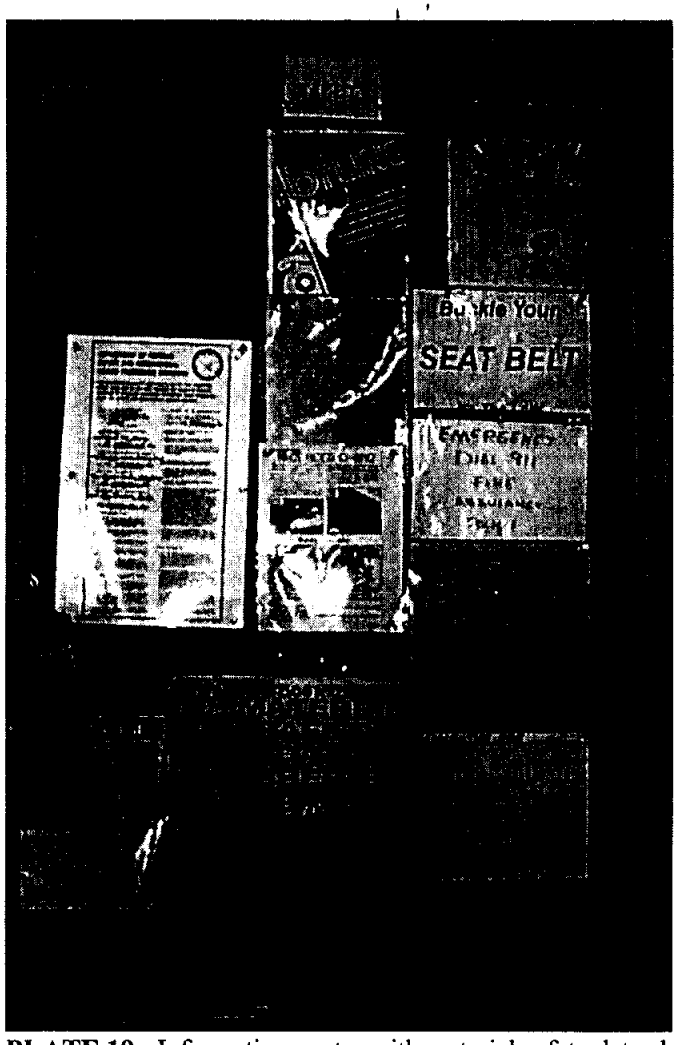


PLATE 19: Information center with material safety data sheets

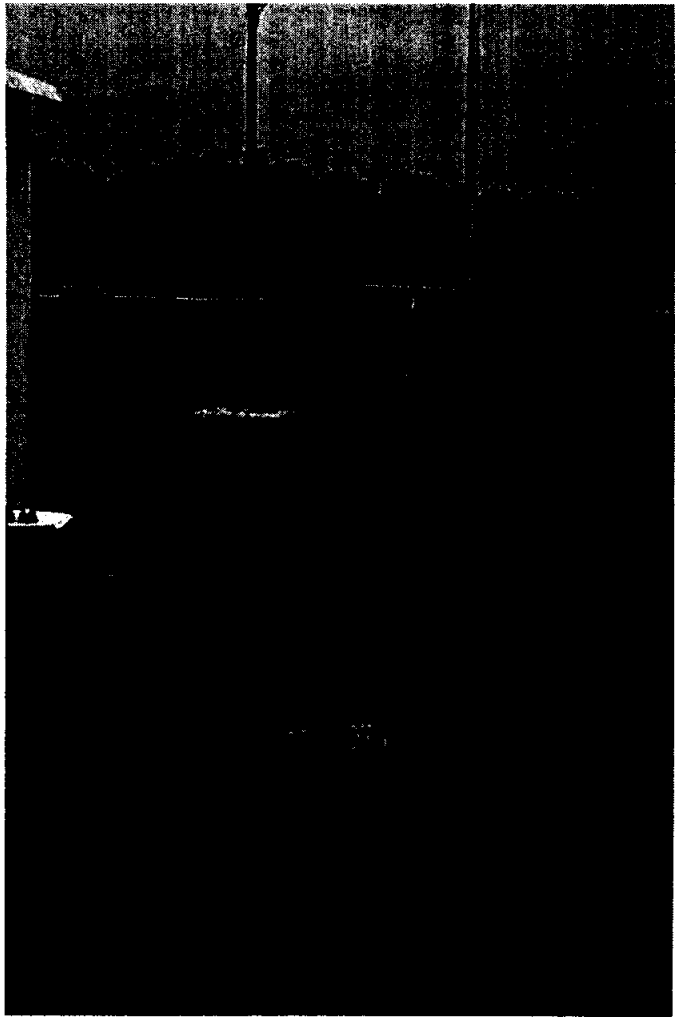


PLATE 20: Drain from HMSA to oil/water separator in background

6.0 Appendix...*continued*

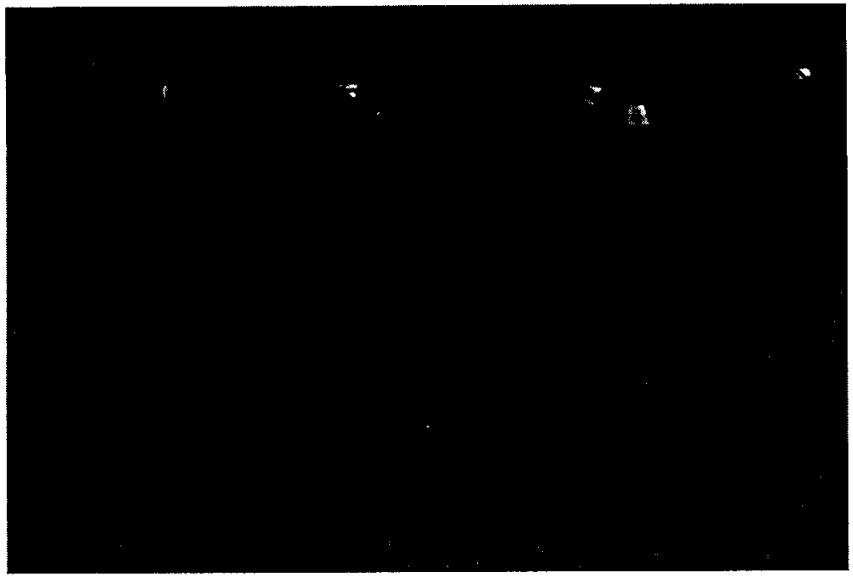


PLATE 21: Drip pan in use at MEP

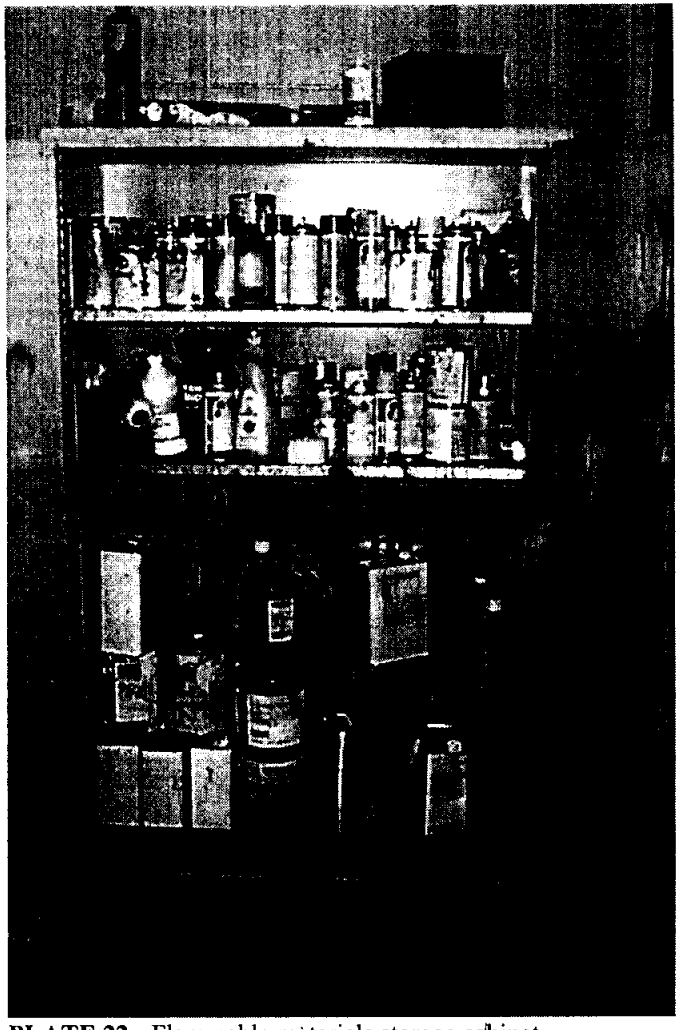


PLATE 22: Flammable materials storage cabinet

6.0 Appendix...*continued*

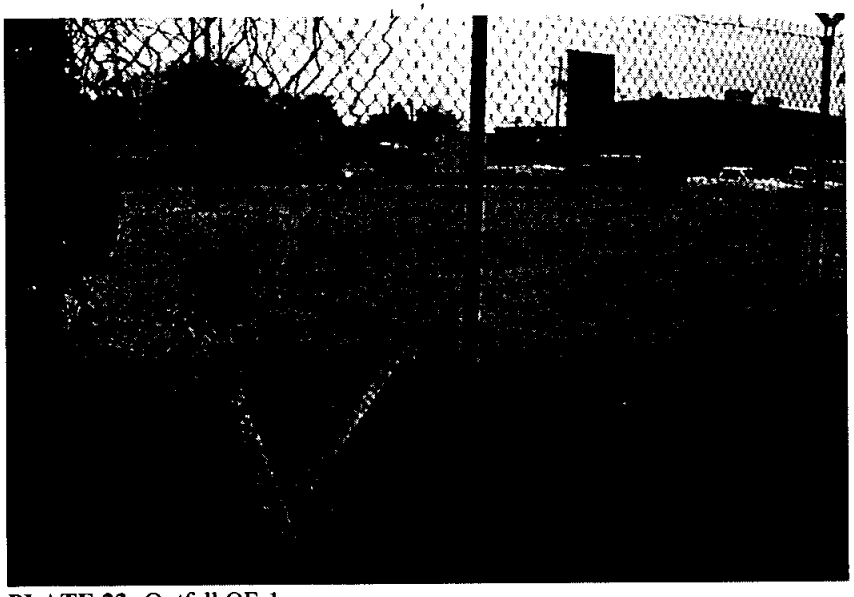


PLATE 23: Outfall OF-1

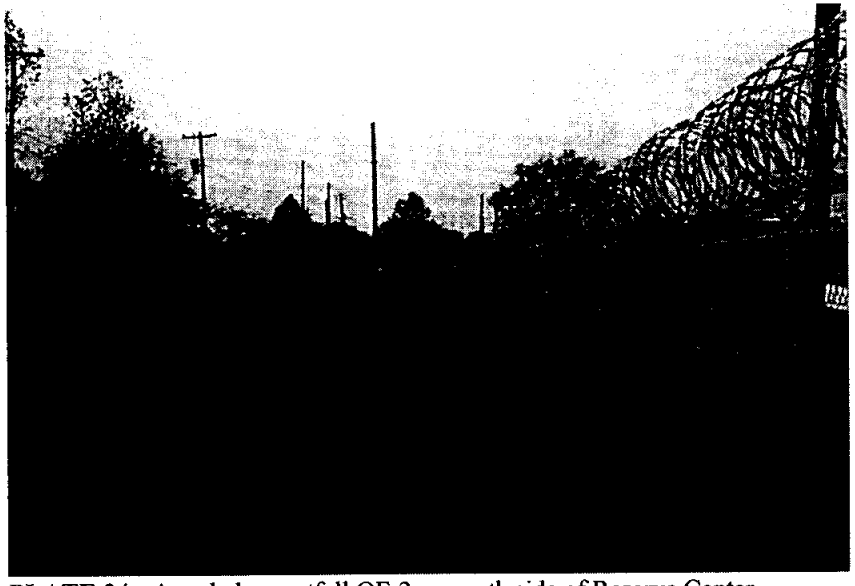


PLATE 24: Area below outfall OF-2 on south side of Reserve Center

6.0 Appendix...*continued*

PLATE 25: Outfall OF-3

DEPARTMENT OF THE ARMY
AREA MAINTENANCE SUPPORT ACTIVITY 154G
2627 TENTH AVENUE
TUSCALOOSA, ALABAMA 35401-6699

(200) 23 April 1998

MEMORANDUM FOR RECORD

SUBJECT: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) compliance.

1. This facility (AMSA 154G) has completed a preliminary study to determine its compliance with FIFRA requirements as outlined in U.S. Code (USC) 136-136y.

2. In accordance with the 81st RSC Pest Management Program, all pest management services are contracted out to qualified vendors. No facility personnel apply, transport or store pesticides and therefore do not require certification as set forth in 40 CFR 171.3.

3. This memorandum serves as a statement of non-applicability to the requirements of FIFRA. This memorandum should be used to avoid negative ECAAR findings as it relates to FIFRA. The point of contact for this action is FAST #3, CPT Quivey, (404) 286-6326.

SHERMAN J. JOHNSON
Supervisor

ENCL 2

81st RSC DCSENGR FAST # 3
ATTN: AFRC-CAL-EN- Leigh Banks
1650 Corey Blvd.
Decatur, GA 30032
(404) 286-6332
Fax: (404) 289-1884

81ST RSC FAST # 3
Environmental

Fax

1998 ECAS
w/CAP

To:	Tim Sykes	**From:**	Leigh Banks
Fax:	[redacted] (205) 391-9220	**Pages:**	1 of 13
Phone:	(205) 750-2565	**Date:**	06/17/99
Re:	416th ECAS Inspection	**CC:**	[Click here and type name]

- **Comments**

The following pages are findings from the 416th Complete Facility Assessment that was done back in November 1998. I have discussed some of these findings with Sherman Johnson already. I need for you to just write in the corrective action you are/have taken to correct the finding, then fax them back to me by the end of June. Let me know if you need any assistance.

Thank you for your assistance.

Leigh Banks

Environmental Manager

(404) 286-6332

Fax: (404) 289-1884

416th Engineer Command

USAR Facility: Woosley Finnel Sr. AFRC

Installation Number: AL045 Date: 16 November 1998

TABLE OF CONTENTS

Description

X Executive Summary

Identification

Facility Data (EMAAR Data Sheets) - **(NOT REQUIRED)**

Plans (Graphical Data)

Vicinity Map

Site Map

Building Floor Plan - Reserve Center

Building Floor Plan - AMSA

Existing Conditions Photographs

Annual Energy Consumption - **(NOT REQUIRED)**

Unconstrained Work Requirements Summary

RPMA Project Documentation

X ECAS

Safety Assessment

Energy Audit - **(NOT REQUIRED)**

Arms Vault Certification

RSC Forms 2 ~~FAC COND. SURVEY~~

SECTION 1: EXECUTIVE SUMMARY

INSTALLATION NAME: Woosley Finnel Sr. AFRC & AMSA 154G
INSTALLATION NUMBER: AL045

1. The Woosley Finnel Sr. AFRC, located at 2627 Tenth Avenue, Tuscaloosa, AL, was assessed on 16 November 1998. The center consists of 2 buildings; the main building (approximately 25,356 SF) and an AMSA building (approximately 5,878 SF) and is located on 5 acres of land. There is an additional storage building (2,220 SF) and a self-help storage building on the back of the AMSA. The main building and the AMSA are constructed of concrete masonry, steel framing and brick fascia and were constructed in 1957, with modifications and additions added over the last 40 years. The rated capacity is 600 man. The 75th Combat Support Hospital and 5 Navy Reserve Units are the primary tenants, in addition to the AMSA. There is insufficient civilian and military parking for the assigned units at the facility, which has forced soldiers to park along the streets during drill periods. In addition, the AMSA has had to "stack" vehicles in rows to work on them. Finally, there are inadequate training areas available for the units, especially the DETMEDs capability of the 75th CSH, which needs to be placed in an approximate 5 acre area. Fencing exists around all parking areas. According to the Hazardous Waste Management Plan, the facility is considered a Small Quantity Generator per State law, and carries USEPA Generator Number ALID982134025. There is no evidence that the facility has ever disposed of hazardous waste. Our Primary Point of contact was Mr. Tim Sykes for the center and Mr. Sherman Johnson for the AMSA Shop.

2. The size of the entire site is approximately 5 acres. It is bounded on the north and south by commercial businesses, on the east by a drainage ditch and an apartment complex, and on the west by Tenth Avenue.

3. The general maintenance of the buildings is very good, although there are maintenance and repair needs at the facility. The HVAC system, which has had significant maintenance costs over the last several years, is of primary concern. Due to the design, the roof seams require constant inspection and immediate action when leaks develop. An electrical rehab is needed to solve many problems – mainly adequate electrical outlets for offices. Service contracts for grounds maintenance and pesticide need to be reviewed but the building cleaning contract appears to be satisfactory.

4. A summary of findings is contained in the technical enclosures for the RPMA Project Documentation. Total funding required for unconstrained work items identified is $2,714,789. These work items are identified as follows:

a. Riser System work requests were reviewed. There were thirteen (13) outstanding work requests in Riser:

AL045K028P	Repair HVAC Valves / Piping	$20,000
AL045K018P	Repair Fan-Coil System	$100,000
UH1000065P	Exterior Renovation	$192,906
AL045K078P	Repair Exterior Lighting*	$2,000
AL045K068P	Repair Front Entrance Gate*	$2,000
AL045K017P	Repair Two Exterior Doors	$4,000
UH1000055P	Interior Renovation	$254,930
UH1000045P	Repairs to AMSA Shop	$127,096
UH1000035P	AMSA Shop Expansion	$201,943
UH0600015P	CFC Inventory*	$2,283
AL045V017P	Upgrade OWS / Washrack	$110,000
AL045K038P	Misc. Electrical Repairs	$5,000
AL045K058P	Repair HVAC Thermostats*	$2,000

1. Recommend items denoted by * be removed from RISER and done under the Facility Manager's IMPAC authority.
2. Several of the RISER Work Requests are outdated and need updating. They are listed again in Item b., below.

b. Nineteen (19) additional new projects / work requests were identified by the Team and should be scoped and estimated for input into the Riser System. Total funding required for these items is $1,668,664. Brief project titles and cost figures are as follows:

Replace Fan Coil Units (43 Units)	$203,981
Replace Insulation, all HVAC Piping	$6,454
Expand AMSA	$367,487
Repave MEP and POV Parking Areas	$88,582
Upgrade CO Exhaust System, AMSA	$8,476
Replace AMSA Roof	$58,044
Remove Storage Shed	$12,610
Construct Storage Sheds	$264,132
Repair Center Roof (Main Building)	$17,286
Replace Lighting (Main Building)	$26,400
Replace Ceilings (Main Building)	$19,950
Replace Potable Water Supply and Renovate Latrines and Kitchen	$159,643
Replace Doors / Hardware Throughout Main Building	$16,470
Replace Assembly Hall Windows	$23,974
Electrical System Rehab – Main Building	$251,340
Paint Interior / Exterior of Main Building	$76,510

Renovate and Provide American Disabilities Act (ADA) Latrine Facilities	$11,211
Replace Kitchen Roof	$11,115
Install Elevator (ADA)	$44,999

c. The following work items, which were identified by the Team and/or Facility Manager, were estimated to cost less than $2,500 and should be accomplished immediately within the Facility Manager's authority:

Repair Latrine Exhaust Fans	$1,700
Repair Window Cranks on Assembly Hall Windows	$2,000
Repair Exterior Lighting	$2,000
Insulate A/C Piping and Valves at Air Handling Units	$500
Install Bollards around Gas Meter	$2,000
Install Safety Rail at Concrete Slab, South end of AMSA	$1,000
Install Safety Rail at Storage Building Load Ramp	$1,000
Replace Receptacles in AMSA with GFCI	$400
Replace Receptacle in Kitchen with GFCI	$100
Repair Operator on Assembly Hall Overhead Door	$500
Repair Roof Over Kitchen	$1,600
Replace Single Door, Rear of Center	$800
Replace Double Door, Rear of Center	$1,750
Repair Front Entrance Gate	$2,000
Install Non-Skid Surface on Stairwell in AMSA	$300
Install Vent Fan, POL Storage Room, AMSA	$800
Repair Downspouts	$900
Install Junction Box for Phone System, 2nd Floor	$1,200
Service Outside Air Handler Units	$2,500
Repair HVAC Thermostats	$2,000
CFC Inventory	$2,400
Install New Motor for AMSA Overhead Door	$800
Install Handicap Drinking Water Fountain	$2,000

5. An Energy Survey was not done according to guidance.

6. The safety assessment identified 9 findings of which 0 were RAC(1), 1 was RAC(2), 6 were RAC(3), 2 were RAC(4), and 0 were RAC (5):

RISK ASSESSMENT CODE MATRIX						
SEVERITY	PROBABILITY					TOTALS
	A	B	C	D	E	
I				1		RAC 1 = 0
II		1	4	2		RAC 2 = 1
III		1				RAC 3 = 6
IV						RAC 4 = 2
V						RAC 5 = 0

The RAC 2 finding, which dealt with the kitchen roof leaking on electrical circuitry, should be addressed / corrected immediately. 81st RSC Safety Office (Mr. Steve Newman) was called in reference to the RAC 2 findings. Generally, the Facility Manager and AMSA Chief are operating safe facilities. Our findings fall in the areas of housekeeping, electrical/mechanical, fire safety, and egress.

7. The ECAS assessment revealed 1 Class I, 0 Health & Safety, and 11 Class III findings, for a total of 12 findings. The Class I finding dealt with inadequate ventilation in hazardous storage areas. These findings were mainly in Hazardous materials storage and management practices.

8. The Arms Vault structural certification was attempted, but without adequate arms room construction drawings and a means to verify the thickness of the concrete and placement of the rebar (either an x-ray machine or an r-meter is needed), the structure could not be certified. The 81st RSC had recently inspected the Arms Room and certified it in 1995 (see Arms Room portion of report).

9. An evaluation of the facility was made regarding accessibility for persons covered by Americans with Disabilities Act (ADA). The overhead roll up door in the drill hall allows for grade access to the building. This door may not comply with ADA since it cannot be opened freely from the outside. Handicapped parking spaces exist near the front entrance. The AMSA is accessible by a grade-level personnel door.

   No persons covered by ADA currently work in the facility on a full-time basis or in reserve status.

10. The USARC and AMSA present a very good appearance and are functionally adequate facilities. This is primarily attributable to the quality effort of Mr. Sykes, the Facility Manager and Mr. Johnson, the AMSA Foreman.

For Robert L. Ott, MAJ

Thomas W. Waters
LTC, EN, USAR
Team Leader

SECTION 1: EXECUTIVE SUMMARY

INSTALLATION NAME: Woosley Finnel Sr. AFRC & AMSA 154G
INSTALLATION NUMBER: AL045

This report presents the results of an environmental compliance assessment conducted at the Woosley Finnel Sr. AFRC & AMSA 154G, 2627 10th Avenue, Tuscaloosa, AL 35401-6699 (herein referenced as facility) on 16 November 1998 in accordance with the Environmental Compliance Assessment System (ECAS). The ECAS Program as specifically applied to the Army Reserve through ECAAR developed by the Department of the Army, established use of environmental assessments to help ensure compliance with all Federal, state, and local laws and Department of Defense (DOD) and Army regulation. In conducting this assessment, members of the assessing team have used and followed results of the research and protocol developed by the Environmental Division of the U.S. Army Construction Engineering Research Laboratory (USACERL) under an agreement with the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) Environmental Division. To the extent reasonably possible, the assessing team has sought to consider the existence and applicability of Federal, state, and local regulatory authorities within available resources and the bounds of professional education of individual team members.

This assessment was conducted utilizing ECAS assessment protocols as modified for ECAAR dated November 1994.

The purpose of this report is to outline an environmental compliance status, to identify environmental compliance problems for the facility and the RSC Engineer, and to identify alternative corrective actions. This report is further intended to provide information for commanders to make an informed choice on appropriate corrective actions for each finding at the reserve center. Sections 3 and 4 will be updated with corrective actions after review, action, and coordination between the RSC Office and the facility manager.

This environmental compliance assessment has reviewed reserve center operations and activities and provides a snapshot in time of the reserve center's compliance posture. It does not guarantee that a regulator will not find other compliance deficiencies. Rather it provides a means to identify areas warranting attention and a means to correct them without the pressure of an inspection. ECAS is a proactive program, which reviews 13 environmental protocols listed in Table 1-1 and helps identify the resources necessary to bring the facility into environmental compliance. The Huntsville Facilities Engineer Team can and is willing to assist, depending on time available, in developing the resource documents (RCS 1383 exhibits, DA Form 4283, and front page of DD Form 1291) to secure the resources required for correction of deficiencies.

1.1 SUMMARY OF FINDINGS

Our assessment found 1 Category I regulatory findings, 11 Category III management practices findings, and 0 Health / Safety findings. The Category I finding dealt with inadequate ventilation in hazardous storage areas. None of the findings revealed an immediate threat to the environment. It is the opinion of the team that the facility continues to have a solid, comprehensive formal environmental program. Development of procedures, plans, and SOP's seems to be the only area of environmental compliance that needs attention. The Oil Water Separator for the wash rack appeared to be functioning; however, during rainfall, it overflows and discharges to the sanitary sewer system. The battery room has a lime sump that neutralizes any acid spills prior to discharge to the sanitary sewer system.

1.2 DISCUSSION OF FINDINGS

The following text briefly summarizes the findings for each compliance protocol. This introductory text is brief, intending only to give the reader an indication of the problems in the particular area. The protocols are discussed in the order that they appear in the report. Table 1-1 summarizes the numbers of findings by assessment area and class. Sections 3 and 4 will detail the findings and recommend suggestions for corrective actions.

1.2.1 CLEAN AIR ACT (CAA)

After review of the air emissions protocol, the records and reports on air emissions, and the application of the protocol to the various operations, there were no findings in this area.

1.2.2 CLEAN WATER ACT (CWA)

After review of wastewater regulations pertaining to the discharge of water to treatment works, storm water runoff, and discharge of pollutants to navigational waters, there was a finding dealing with stormwater runoff – the unit needs to use drip pans in the motorpool area.

1.2.3 SAFE DRINKING WATER ACT (SDWA)

After review of the SWDA protocols, there were no findings in this area.

1.2.4 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE C (RCRA-C)

After review of waste management, accumulation sites, proper labeling, and spill reporting, there were no findings in the RCRA-C protocol.

1.2.5 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE D (RCRA-D)

After review of the solid waste management for the collection, transportation, and disposal of all trash that is not hazardous waste, there were no findings in the RCRA-D protocol.

1.2.6 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE I (RCRA-I)

After review of the testing, maintenance or removal of underground storage tanks (UST) including spill containment and reporting, there were no findings in the RCRA-I protocol.

1.2.7 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT / SUPER FUND AMENDMENT AND REAUTHORIZATION ACT (CERCLA / SARA)

After review for the identification, investigation, clean up and closure of sites under the Installation Restoration Program (IRP), there were no findings in the CERCLA / SARA protocol related to publications and regulations. The facility is not on the National Priorities List (NPL).

1.2.8 TOXIC SUBSTANCE CONTROL ACT (TSCA)

After review of the responsibilities of involved personnel and the regulations of the protocol for polychlorinated biphenyl's (PCB's), there were no findings in the TSCA protocol. NO PCB's were found on site.

1.2.9 FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA)

After review of pesticide management for the storage arrangements, spill reporting, correct handling and use, there were no findings in the FIFRA protocol. Pesticides were not being stored or in use.

COMMENT: Facility has no Pesticide Letter on File.

1.2.10 NATURAL HISTORIC PRESERVATION ACT (NHPA)

After review of historic / cultural resources protocol and the management of sites on or eligible for the National Register, Historic preservation, archaeological resources and Native American Rights, there were not findings in the NHPA protocol. The facility is not on the national register.

1.2.11 ENDANGERED SPECIES ACT (ESA) AND NATURAL RESOURCES MANAGEMENT

After review for management of dissented wild areas and dealing with threatened wildlife, there were no findings in the ESA protocol. There were no known threatened wildlife in the area.

1.2.12 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

After review for incorporating environmental analysis in Army planning and decision making to protect and enhance environmental resources, there were no findings in the NEPA protocol.

1.2.13 ASBESTOS ABATEMENT

After review of asbestos abatement management, removal, and disposal, there were no findings in this area.

1.2.14 NOISE ABATEMENT

After review of the noise generating activities that could impact the environment with special emphasis on large vehicles and helicopters, there were no findings in the Noise Abatement protocol.

COMMENT: Facility had no ICUZ statement of file.

1.2.15 RADON ABATEMENT

After review of the responsibilities of involved personnel and Army regulation pertaining to radon, there were no findings in the Radon Abatement protocol.

COMMENT: Facility had no Radon Test Results on File.

1.2.16 ENVIRONMENTAL PROGRAM MANAGEMENT

After review of environmental program management, including the A-106 Pollution Abatement Plan or RSC 1383 Report, there were no findings in the Environmental Program Management Protocol.

1.2.17 HAZARDOUS MATERIALS

After review of hazardous materials management including storage arrangements and spill reporting, there were several findings in the Hazardous Materials protocol: ground contamination was visible under vehicles and in vehicle parking areas; hazardous materials were left open to the environment; no written hazardous communication program was found; annual training of shop personnel was not recorded; hazardous manifests were not kept according to policy; there is insufficient ventilation for in the AMSA POL storage area; and some areas did not have Hazardous Material / Flammable signs posted.

SECTION 2: BACKGROUND AND SCOPE

This section presents the background and scope for the environmental compliance assessment conducted at the Woosley Finnel Sr. AFRC Facility.

2.1 BACKGROUND

The background section presents the objectives of the ECAAR program, a description of the facility, and the facilities management structure.

The objectives of ECAAR are to:

- Establish the use of environmental compliance assessments as a means of ensuring the Army's compliance with all applicable DOD, Army, Federal, state, and local environmental laws and regulations.

- Assure major commands, installation commanders, environmental quality control committees, environmental coordinators, RSC's and DEH personnel, and natural resource managers that their environmental programs are effectively addressing environmental problems that could:

    - Impact mission effectiveness
    - Jeopardize the health of facility personnel or the general public
    - Significantly degrade the environment
    - Expose the Army and its' people to avoidable financial liabilities as a result of noncompliance with environmental requirements
    - Erode public confidence in the Army and the defense establishment
    - Expose individuals to civil and criminal liability

- Secure information that will permit facility managers to anticipate and prevent future environmental problems

- Enhance management by establishing a system for environmental compliance management

- Provide data for use in identifying, programming, and budgeting environmental requirements

- Provide accurate and complete information on the status of center environmental compliance programs

Center Description:

The Woosley Finnel Sr. AFRC / AMSA 154G consists of 3 buildings; the main building (approximately 25,356 SF), an AMSA building (approximately 5,878 SF), and a storage building (approximately 2,220 SF). The main building and the AMSA are constructed of concrete masonry, steel framing and brick fascia and were constructed in 1958. The 75th Combat Support Hospital, 75th Hospital Unit, Base (CSH), and the AMSA 154G are the primary tenants.

Management Structure

The facility manager is Mr. Timothy Sykes; the AMSA foreman is Mr. Sherman Johnson. The center's units are assigned to the 81st RSC.

2.2 SCOPE

The scope section summarizes the facility activities that were reviewed for each environmental protocol. The evaluation was initiated with a briefing to the AMSA foreman outlining the ECAS protocols. Then a physical inspection was utilized to evaluate the center. The AMSA foreman was provided with an out briefing on key areas of environmental concerns.

2.2.1 CLEAN AIR ACT (CCA)

Reviewed the records and reports on air emissions and the application of the protocol to the various operations, including the following:

- Air emissions equipment (boilers, furnaces and etc.)
- Equipment utilizing CFC's or Halons
- Ventilation
- Presence of rifle range

2.2.2 CLEAN WATER ACT (CWA)

- POTW Regulations
- Surveillance program
- Spill Contingency Plans (ISCP)
- Oil / water separators, Wash Racks, USTs and Tanks
- Training

2.2.3 SAFE DRINKING WATER ACT (SDWA)

Reviewed records related to the treatment and monitoring of drinking water, including the following:

- Potable water source
- Testing (if required)
- Potable distribution system

2.2.4 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE C (RCRA-C)

Reviewed records related to waste management, accumulation sites, proper labeling, and spill reporting, including the following:

- Training
- HW management SOPs
- HW inventories
- HAZMIN reports
- Hazardous waste manifests
- Accumulation Point
- Storage Tanks

2.2.5 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE D (RCRA-D)

Reviewed records related to solid waste maanagement for the collection, transportation, and disposal of all trash that is not hazardous waste, including the following:

- SOPs
- Recycling Program
- Refuse Containers

2.2.6 RESOURCE CONSERVATION AND RECOVERY ACT, SUBTITLE I (RCRA-I)

Reviewed records related to the testing and maintenance or removal of underground storage tanks, including spill containment and reporting, including the following:

- USTs
- Waste Petroleum Management Plan

2.2.7 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT / SUPER FUND AMENDMENT AND REAUTHORIZATION ACT (CERCLA / SARA)

Reviewed records for the identification, investigation, clean-up, and closure of sites under the IRP, including the following:

- Presence of hazardous substances
- IRP, NPL
- HTW spillage reports
- Hazard communication program

2.2.8 TOXIC SUBSTANCE CONTROL ACT (TSCA)

Reviewed the responsibilities of involved personnel and the regulations of the protocol for PCBs, including the following:

- Electrical transformers
- Other electrical / hydraulic equipment

2.2.9 FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA)

Reviewed records related to pesticide management for the storage arrangement, spill reporting, correct handling and use, including the following:

Presence of insecticides on site
Contract services / qualifications
Insecticide disposal

2.2.10 NATURAL HISTORIC PRESERVATION ACT (NHPA)

Reviewed records related to the historic / cultural resources protocol and the management of sites on or eligible for the national register, historic preservation, archeological resources and Native American rights, including the following:

- National Historic Register
- Presence of artifacts

2.2.11 ENDANGERED SPECIES ACT (ESA) AND NATURAL RESOURCES MANAGEMENT

Reviewed records for management of designated wildlife areas and dealing with threatened wildlife, including the following:

- Facility environmental appearance
- Endangered species
- Erosion

2.2.12 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

Reviewed records incorporating environmental analysis in Army planning and decision making to protect and enhance environmental resources, including the following:

- Environmental Assessments (EA's) and Environmental Impact Statements (EIS's)

2.2.13 ASBESTOS ABATEMENT

Reviewed records of asbestos abatement management, removal, and disposal, including the following:

- Asbestos survey results
- Asbestos practices in shop area (brake linings and etc.)
- Asbestos disposal
- Visual inspection of facility

2.2.14 NOISE ABATEMENT

Reviewed records of and the noise generation activities which could impact the environment with special emphasis on large vehicles and helicopters, including the following:

- ICUZ study
- Potential noise sources
- Noise SOP's

2.2.15 RADON ABATEMENT

Reviewed records pertaining to radon, including the following:

- Radon survey results
- Radon management plan

2.2.16 ENVIRONMENTAL PROGRAM MANAGEMENT

Reviewed records of environmental program management including the A-106 Polluiton Abatement plan or RCS 1383 Report, including the following:

- Management Plan
- Training
- Management awareness

2.2.17 HAZARDOUS MATERIALS

Reviewed records of hazardous materials management including storage arrangements and spill reporting, including the following:

- Identification of hazardous materials
- Hazard communication program
- Contingency plans
- Storage of hazardous materials
- Storage of compressed gasses
- Battery rooms
- Training

Evaluation Procedures

The environmental assessment included a review of center environmental documentation and inspection of the facilities by the assessment team. Personnel interviews were utilized to provide information. No physical samples were collected at the site. Sampling of numbers of items in a given protocol was not used as a procedure for this assessment.

SECTION 3: ENVIRONMENTAL COMPLIANCE STATUS

This environmental compliance chapter contains a description of all regulatory findings (federal, state, or local) found during the assessment and offers a single or alternate corrective action for each. The findings are categorized by ECAAR Manual section number and as environmental or health safety findings. Environmental findings are further categorized as Class I, II, or III for further input to the RCS System. Safety findings are also listed in the Safety Section of the TFA Report.

The RCS 1383 classes of environmental deficiencies are defined below:

Class I: Findings of immediate noncompliance with an environmental regulation, compliance agreement, consent order, or an existing notice of violation (NOV).

Class II: Findings of future noncompliance with an environmental regulation, compliance agreement, consent order, or and existing NOV.

Class III: Findings for which there are no specific federal, state, or local regulatory requirements. These findings will include deviations from Army Regulations, DOD Directives, or other good management practices.

H / S: Health / Safety findings are generally related to the Occupational Safety and Health Act, Department of Transportation or National Fire Protection Association rules ore regulations.

Regulatory findings, Class I, II, and H / S, are detailed in this chapter. Management practice or Class III findings are listed in chapter 4 of this report. H / S findings re categorized separately and included in both chapters 3 and 4 depending upon their level of threat. Note: Findings in Section 3 are more critical than findings in Section 4.

SECTION 4: GOOD MANAGEMENT PRACTICES

Good management practices section contains findings for reducing environmental risks and improving the facility's environmental program. It identifies areas requiring additional attention based on DOD, Army regulations and good management practices. These findings are category III and Health / Safety requirements and recommendations that will enhance the facility's environmental and safety posture. The findings are listed in protocol order and not in order of importance.

TABLE 1-1
SUMMARY OF FINDINGS

INSTALLATION: FINNELL AFRC/AMSA #154 (G) Fiscal Year: 1999
F D: AL-2104AL045

SECTION NO.	TITLE	REGULATORY I	REGULATORY II	REGULATORY HS	MANAGEMENT POS	MANAGEMENT III	MANAGEMENT HS	TOTAL
A	Air Emissions	0	0	0	0	0	0	0
C	Cultural Resources	0	0	0	0	0	0	0
HM	Hazardous Materials	1	0	0	0	4	0	5
HW	Hazardous Waste	0	0	0	0	1	0	1
NR	Natural Resource	0	0	0	0	0	0	0
O1	Environmental Impacts	0	0	0	0	0	0	0
O2	Environmental Noise	0	0	0	0	1	0	1
O3	IRP	0	0	0	0	0	0	0
O4	Pollution Prevention	0	0	0	0	2	0	2
O5	Program Management	0	0	0	0	0	0	0
PM	Pesticide	0	0	0	0	1	0	1
PO	POL	0	0	0	0	1	0	1
SO	Solid Waste	0	0	0	0	0	0	0
ST	Storage Tanks	0	0	0	0	0	0	0
T1	PCB	0	0	0	0	0	0	0
T2	Asbestos	0	0	0	0	0	0	0
T3	Radon	0	0	0	0	1	0	1
T4	Lead Based Paint	0	0	0	0	0	0	0
WA	Wastewater	0	0	0	0	0	0	0
WQ	Water Quality	0	0	0	0	0	0	0
	TOTALS	1	0	0	0	11	0	12

Data File Name Prefix: C:\ECAS\DATA\TUSC
Date Summary Report Produced: 01/10/99

HM.1.4 #1 I FEDERAL FINDING Hazardous Materials

FINDING ID: AL045-0008
MANUAL QUESTION NUMBER: HM-001-004
FINDING CATEGORY: CLASS I
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: STORAGE SHED BEHIND AMSA; POL STORAGE ROOM
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: UNIT STORES HAZ MATERIAL IN A SHED WITHOUT ADEQUATE VENTILATION AND ALSO IN A STORAGE ROOM THAT DOES NOT HAVE A WORKING VENTILATION SYSTEM.

CRITERIA: Specific housekeeping requirements must be met in areas where hazardous materials are stored (29 CFR 1910.176(c)).

FINDING COMMENTS: INADEQUATE VENTILATION FOR HAZ MATERIALS STORAGE AREAS.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): REMOVE HAZ MATERIALS FROM THE WOODEN SHED; INSTALL VENTILATION IN POL STORAGE ROOM.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: All AMSA HAZMAT is stored in an approved HAZMAT building located in a concrete containment. We do not have any HAZMAT stored in the wooden storage shed behind the AMSA building (Note: This wooden structure will be removed when building is expanded. POL and Paint Room have vent system with fans, etc.
2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

HM.1.4 #1 III FEDERAL FINDING Hazardous Materials

FINDING ID: AL045-0009
MANUAL QUESTION NUMBER: HM-001-004
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: STORAGE SHED
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: THE UNIT HAD NOT PROPERLY MARKED HAZARDOUS STORAGE SHED WITH SIGNAGE.

CRITERIA: Specific housekeeping requirements must be met in areas where hazardous materials are stored (29 CFR 1910.176(c)).

FINDING COMMENTS: NO SIGNAGE FOR STORAGE SHED WHERE HAZARDOUS MATERIALS ARE STORED.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): PUT UP SIGNAGE.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: Don't understand this finding - there are no HAZMAT stored in this wooden shed.

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

HM.2.1 #1 III FEDERAL FINDING Hazardous Materials

FINDING ID: AL045-0010
MANUAL QUESTION NUMBER: HM-002-001
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA AREA
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: POL DRUMS, FUEL CANS, AND DRIP PANS WERE LEFT OUT AND NOT COVERED. (40 CFR 112.7)

CRITERIA: Installations/CW facilities are required to comply with all applicable Federal regulatory requirements not contained in this checklist (a finding under this checklist item will have the citation of the applied regulation as a basis of finding).

FINDING COMMENTS: HAZ MATERIALS AND WASTE WERE BEING STORED OUTSIDE.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): DISPOSE OF HAZ WASTE ACCORDING TO REGULATIONS; STORE OTHER HAZ WASTE ACCORDING TO REGULATIONS

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: Waste sludge (3ea 55gal drums - mostly soil with some residue of oil from wash rack sump) has been moved inside HAZMAT building awaiting pickup by DRMO, Anniston Army Depot. Old unit fuel cans have been emptied of rain water and disposed of as scrap metal. Also, new drip pans are "Out Door"
2) CURRENT STATUS OF THE CA: type and do not need covering.
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

HM.10.1 #1 III FEDERAL FINDING Hazardous Materials

FINDING ID: AL045-0003
MANUAL QUESTION NUMBER: HM-010-001
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: Although a record of training was found, no written program was found.

CRITERIA: Installations/CW facilities are required to have a written hazard communication program that is designed to provide all employees with information about the hazardous chemicals to which they are exposed (29 CFR 1910.1200(b)(1) and 1910.1200(e)(1)) [February 1995].

FINDING COMMENTS: No hazardous communication program was found.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): Institute a Hazardous Communications Program.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: This could have been over looked. Chapter 4 of our Environmental Compliance SOP covers our Hazardous Communication Program (Note: Our MSDS and other applicable literature are located in separate binders). We also have a current Hazardous Waste Management Plan & SPCCP.
2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

HM.10.2 #1 III FEDERAL FINDING Hazardous Materials

FINDING ID: AL045-0004
MANUAL QUESTION NUMBER: HM-010-002
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: ANNUAL TRAINING FOR PERSONNEL NOT DONE. AMSA FOREMAN HAD TRAINING BUT NOT SHOP WORKERS.

CRITERIA: Personnel working with hazardous materials are required to be trained in their use and the potential hazards of such materials (29 CFR 1910.1200(b)(3)(iii), 1910.1200(b)(4)(iii), 1910.1200(b)(6), and 1910.1200(h)).

FINDING COMMENTS: NO RECORD OF TRAINING FOUND FOR SHOP WORKERS.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): TRAIN PERSONNEL ACCORDING TO REGULATIONS.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: This must be an oversight. All AMSA employees given required annual HAZMAT training. Last documented training was 24 Nov 98 for workers and 10-11 Feb 99 for supervisor.

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

HW.20.4 #1 III ARMY/DOD FINDING Hazardous Waste

FINDING ID: AL045-0002
MANUAL QUESTION NUMBER: HW-020-004
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: Hazardous Waste manifests not filed chronologically.

CRITERIA: SQGs of hazardous waste are required to use manifests and keep records of hazardous waste activity (40 CFR 262.20, 262.40(a), 262.40(c), 262.40(d), 262.42(b), 262.43, and 262.44).

FINDING COMMENTS: Manifests were not stored in chronological order.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): Organize existing manifests in chronological order.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: AMSA has not had anything manifested, only turn-in documents (i.e., used engine oil). Currently, we do not have anything to manifest (no manifest documents onhand). Don't understand this finding.

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

02.1.3.A #1 III ARMY/DOD FINDING Environmental Noise

FINDING ID: AL045-0006
MANUAL QUESTION NUMBER: 02-001-003-A
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: RESERVE CENTER
IFS FACILITY NUMBER:
FACILITY TYPE: AFRC(MB) - ARMED FORCES RESERVE CENTER - MAIN BLDG
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION:

CRITERIA: Installations are required to conduct an ICUZ Study as a part of the ICUZ Program to identify and control noise (AR 200-1, para 7-2c, 7-2d, and 7-5a).

FINDING COMMENTS: NO COPY OF ICUZ ON FILE

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): CONTACT 81ST RSC FOR COPY OF STATEMENT.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: Although we had the "Noise Complaint" forms on-hand, we did not have the ICUZ study letter on-hand. IAW AR 200-1, we now have the ICUZ study letter on-hand. (See Encl 3)

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

04.1.15.R #1 III ARMY/DOD FINDING Pollution Prevention

FINDING ID: AL045-0012
MANUAL QUESTION NUMBER: 04-001-015-R
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA WASHRACK
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: WASHRACK IS OUT OF COMPLIANCE; WORK ORDER IN PLACE TO CORRECT

CRITERIA: Pollution prevention will occur at installations through prevention, reduction, reuse, and treatment (AR 200-1, para 4-2c, 4-2d, and 10- 2c) [January 1997].

FINDING COMMENTS: WASHRACK OUT OF COMPLIANCE; COULD OVERFLOW ALLOWING CONTAMINANTS TO ENTER SANITARY SEWER SYSTEM.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): IMPLEMENT WORK ORDER IN SYSTEM

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: Work Order was implemented serveral years ago by the 81st RSC for all shops. Current status: Contract has been awarded thru the Army Corps of Engineers with a estimated completion date at the end of FY99. (Note: This includes a new washrack with cover).
2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

04.10.1.R #1 III FEDERAL FINDING Pollution Prevention

FINDING ID: AL045-0001
MANUAL QUESTION NUMBER: 04-010-001-R
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: Last Hazardous Material Inventory was conducted in February 1998 (9 months previous)

CRITERIA: A current inventory of hazardous materials is required (AR 200-1, para 4-3b) (January 1997).

FINDING COMMENTS: Shop Foreman had not inventoried hazardous materials since Feb 98.

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): Conduct inventory on semi-annual basis.

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: AR 200-1, para 4-3b states that a current inventory of HAZMAT be maintained. It does not state a time frame. We do a annual inventory of HAZMAT in January of each year along with our other inventories. Our last inventory was 5 January 1999. Do we need to do them more often?
2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

PM.1.2.R #1 III ARMY/DOD FINDING Pesticide

FINDING ID: AL045-0007
MANUAL QUESTION NUMBER: PM-001-002-R
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: RESERVE CENTER
IFS FACILITY NUMBER:
FACILITY TYPE: AFRC(MB) - ARMED FORCES RESERVE CENTER - MAIN BLDG
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: PESTICIDE LETTER MUST BE ON-HAND SHOWING FACILITY FREE OF PESTICIDES.

CRITERIA: Management and organization of paperwork, materials, and personnel should be done in a manner that prevents noncompliance and recurrence of noncompliance, precludes/ minimizes regulatory enforcement actions (including warning letters etc.) promotes good public relations, and addresses systemic weaknesses in the overall operation of the program (MP).

FINDING COMMENTS: NO PESTICIDE LETTER FOUND

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): CONTACT 81ST RSC FOR PESTICIDE LETTER

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: There was a copy on file at the AMSA, however, there was not one on file for the USAR Center. The center now has a copy of the "Pesticide" letter. (See Encl 2)

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

10

PO.20.1 #1 III ARMY/DOD FINDING POL

FINDING ID: AL045-0011
MANUAL QUESTION NUMBER: PO-020-001
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: AMSA MOTORPOOL
IFS FACILITY NUMBER:
FACILITY TYPE: AMSA(G) - AREA MAINT SPT ACT (GROUND EQUIP)
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: NO DRIP PANS WERE FOUND UNDER VEHICLES IN THE AMSA MOTORPOOL.

CRITERIA: Appropriate containment and/or diversionary structures, and cleanup equipment to prevent discharged petroleum products from reaching navigable water course are required to be readily available at the installation/CW facility (40 CFR 112.7(c) and 112.7(d)).

FINDING COMMENTS: NO DRIP PANS USED UNDER VEHICLES

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): USE DRIP PANS IN MOTORPOOL

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: We (AMSA) only use drip pans on equipment that is currently on work order to us that have either a Class I, II or III leak. What we are now using is "Out Door" drip pans that do not need covering (i.e., catches the oil and lets the rain water flow on through.
2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

T3.1.3.R #1 III ARMY/DOD FINDING Radon

FINDING ID: AL045-0005
MANUAL QUESTION NUMBER: T3-001-003-R
FINDING CATEGORY: CLASS III
FINDING TYPE: Negative EXISTING NOV: NO
LOCATION: MAIN BUILDING / AMSA
IFS FACILITY NUMBER:
FACILITY TYPE: AFRC(MB) - ARMED FORCES RESERVE CENTER - MAIN BLDG
TENANT NAME: FINNELL AFRC/AMSA #154 (G)

FINDING DESCRIPTION: NO RADON TEST RESULTS ON FILE

CRITERIA: All Reserve facilities are required to maintain and update records of radon assessments conducted under the Army Radon Reduction Program (AR 200-1, para 9-2b) [February 1997].

FINDING COMMENTS: NO RECORDS FOUND OF RADON TESTING

SUGGESTED/ALTERNATIVE CORRECTIVE ACTION(S): GET RECORDS FROM 81ST RSC

STATUS OF CORRECTION:

********** INSTALLATION'S RESPONSE: **********

1) CORRECTIVE ACTION (CA) SELECTED: Copy of "Radon Test" of this facility was found and is now on file. (Sec Encl 1).

2) CURRENT STATUS OF THE CA: _____
3) ARE ADDED DETAILS OR COST DATA NEEDED TO DESCRIBE THIS CA?: Y__ N__
EXPLAIN: _____

4) ESTIMATED COMPLETION DATE FOR CA: _____
5) REVIEWER'S REMARKS: _____

NAME/OFFICE/PHONE: _____ DATE: _____

United states army reserve center
tuscaloosa, alabama

ASBESTOS INSPECTION
REPORT

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY..... SECTION I

Para. No.		Page No.
1.	REPORT INTRODUCTION - - - -	1
2.	FINDINGS SUMMARY - - - - -	2
3.	ACCESSABILITY - - - - -	2
4.	RENOVATION/DEMOLITION - - - -	2
5.	REPORT ORGANIZATION - - - -	3
6.	ABATEMENT COSTS - - - - -	3
7.	SAMPLING STRATEGY - - - - 3	
	REPORT SUMMARY TABLE - - - -	5

II. BUILDING SUMMARIES..... SECTION II

BUILDINGS	Page No.
BLDG. 1: Main Reserve Center - - - -	BLDG 1-1
BLDG. 2: Maintenance Shop - - - - -	BLDG 2-1
BLDG. 3: Storage Building - - - - -	BLDG 3-1

III. TRAINING RECORDS..... SECTION III

EXECUTIVE SUMMARY

1. INTRODUCTION

Asbestos Building Inspectors from the Environmental Enterprise Group, Inc. (EEG) of Charleston, SC conducted an inspection to identify asbestos containing building material (ACBM) at the US Army Reserve Center located in Tuscaloosa, Alabama. The inspections were conducted on 8 December 2001 and the results of the inspections provide an inventory of ACBM in three (3) buildings. Temporary/portable buildings were not inspected for this project.

All inspectors were certified by an EPA accredited training center under the Asbestos Hazard Emergency Response Act (AHERA), as Building Inspectors. All inspectors and management planners are employees of EEG, Inc. Copies of inspector training certificates are located in the **TRAINING** section of this report.

Suspect ACBM was identified and sampled in accordance with AHERA-style guidelines (See Paragraph 7 for sampling strategy). Some materials suspected of being ACBM may be assumed to be ACBM and not sampled. Assumed materials may include floor tiles and ventilation transition boots. Some materials weren't identified as ACBM because they were portable and removable (e.g. blackboards, fire hoses,), were not safe to sample (e.g. electrical insulation), or sampling would have damaged the material and impaired the normal system operation/integrity (e.g. heating/ventilation/AC systems, furnace, boiler door and pipe gaskets).

Bulk samples were analyzed by the Environmental Hazards Services (EHS) laboratory of Richmond, Virginia. EHS is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA) for asbestos analysis. Polarized Light Microscopy (PLM) was used to analyze samples.

Materials identified as ACBM and either sampled or assumed were designated a homogeneous area by similarity of color, texture and date of application. Each homogeneous area was assessed in accordance with the "Asbestos Facility Inventory/Assessment Protocol," NEESA 70.2-010, Developed by the Naval Facilities Engineering Service Center (NFESC).

The NFESC protocol establishes an algorithm rating for each homogeneous area based on condition, quantity, friability, exposure potential, number of persons exposed, building significance and percentage of asbestos present in the material. The **BUILDING SUMMARY TABLES** lists the ratings for each homogeneous area. The rating is heavily weighted by condition, friability, exposure potential and building significance. The higher the rating, the more attention is needed for this material. For the purposes of this inspection, all buildings were listed as occupied during the inspection.

2. FINDINGS SUMMARY

BUILDING 1 (Main Reserve Center): Confirmed **friable** ACBM in the form of mudded fitting TSI are located in this building. Confirmed non-friable ACBM floor tile mastic and window glazing are also located in the building.

BUILDING 2 (Maintenance Shop): Confirmed **friable** ACBM in the form of mudded fitting TSI is located in this building. Non-friable assumed ACBM in the form of floor tile mastic, window glazing and three types of 9" floor tile are also located in this building.

BUILDING 3 (Training Building Addition): No suspect material or ACBM was detected in this building at the time of the inspection.

See individual Building Summaries for detailed information on these materials. Buildings containing asbestos are required to be included in an Operations and Maintenance (O&M) Program. Any identified asbestos containing material not removed must be maintained following the guidelines of an O&M Plan.

3. ACCESSABILITY

There were times during the inspection process when all rooms were not accessible for inspection due to several reasons, including security. The areas that were not inspected at this site were Rooms 105, 111, 117, 121, 122, 219, 222 and 224 of Building 1. Unique room numbers were assigned by the inspectors during the inspection visit (see attached floor plan for room numbers).

4. RENOVATION/DEMOLITION

The National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 requires written notification to the local Air Quality Management District at least ten

working days prior to renovation or demolition of ACBM in quantities of 260 linear feet, 160 square feet, 35 cubic feet, or greater, except in cases of emergencies. Contractors are advised to verify most current regulations with the Local Air Quality Management District prior to start of any work.

5. REPORT ORGANIZATION

Specific, detailed information on each inspected building is noted in the *BUILDING SUMMARIES* section of this report and include the following:

- Photos of existing buildings
- Narrative description of the building with findings and recommendations
- Building Summary Table
- Laboratory Test Results Table
- Operations and Maintenance Table
- CADD drawing showing sample and asbestos locations
- Laboratory Chain of Custody and results forms

Following the *BUILDING SUMMARIES* is a tabbed section for *TRAINING.* Copies of each Inspector's appropriate certificates are included there.

6. ABATEMENT COSTS

EEG, Inc. inspectors found friable and/or non-friable ACBM in two of the three buildings inspected at this site. We recommend that the facilities Asbestos Program Manager initially focus their resources on all ACBM assessed as friable. Abatement cost estimates for each building will be provided by a separate document, if requested, and will include labor, material, equipment, and disposal cost. The extent to which other costs will be covered must be negotiated separately and beyond the scope of this report.

7. SAMPLING STRATEGY

The sampling and analysis of bulk samples was conducted in accordance with established AHERA guidelines. Unless otherwise stated, the following sampling scheme was utilized during the survey:

Thermal System Insulation (TSI)

1) A minimum of 1 sample was taken of each homogenous area <6 linear feet (LF) or <6 square feet (SF).
2) A minimum of 3 samples was taken of each homogenous area >6 LF or > 6 SF.

Surfacing Materials

1) A minimum of 3 samples were taken of each homogeneous area of material 1000 SF or less.

2) A minimum of 5 samples were taken of each homogenous area of material greater than 1000 SF but less than 5000 SF.

3) A minimum of 7 samples were taken of each homogenous area of material greater than 5000 SF.

Miscellaneous Materials (Including floor tiles, ceiling tiles and mastics)
A minimum of 2 samples

A comprehensive and thorough asbestos inspection was conducted on these facilities by certified and experienced Environmental Enterprise Group inspectors. Every effort was made to identify all ACBM in the facility, but due to random sampling techniques mandated by EPA regulations, the non-destructive sampling policy for this project and accessibility constraints, the possibility always exists that some ACBM remains undetected.

BUILDING SUMMARIES

The following pages report observations noted and suggest actions required as a result of an asbestos inspection conducted by Environmental Enterprise Group, Inc. in December of 2001. Three (3) buildings at the US Army Reserve Center located in Tuscaloosa, Alabama were inspected for possible presence of suspect/assumed asbestos. This section provides *Description, Findings, Observations, Recommended Abatement Action, and Recommendations for Operations and Maintenance* for each building inspected.

The room numbers shown on the CAD drawings and referenced in the report were assigned by the inspectors at the time of inspection. Some room numbers are prefixed by a letter to indicate the type of room. **E** indicates an entry to the building, **H** indicates a hallway, **R** is a roof, **S** is a stairwell, **A** is an attic area and **B** indicates basement rooms.

BUILDING 1: Main Reserve Center

1. DESCRIPTION:

Building 1 is a two-story, 28,400 square-foot building constructed in 1958 and has been renovated. It is a concrete block structure with a brick exterior and a flat roof covered with recently installed rolled roofing material. The following information was identified during the survey and from the analysis of the samples taken:

- Eight homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.
- Eight of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- Three of the suspected homogeneous areas were confirmed to contain asbestos.
- Five of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Eight homogeneous areas with suspected ACM were identified. Twenty-one samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was found in one of the homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

- H-1: MISC, FLOOR TILE MASTIC ONLY, Black mastic under 12” cream floor tile, was Non-friable and Not Damaged.
- H-6: TSI, FITTING, MUDDED, Gray, was Highly-friable and Not Damaged.
- H-7: MISC, GLAZING, WINDOW EXTERIOR, Light gray, was Non-friable and Not Damaged.

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-2: SURFACING, SPRAYED ON ACOUSTICAL, COTTAGE CHEESE, White
- H-3: MISC, SHEETROCK/MUD, White
- H-4: SURFACING, PLASTER, White
- H-5: MISC, GROUT, CERAMIC TILE, Gray
- H-8: MISC, ROOFING, FLASHING/MASTIC, Black

Assumed ACM. The following homogeneous areas were assumed to contain asbestos: **NONE**

3. OBSERVATIONS: NONE

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

- H-1: MISC, FLOOR TILE MASTIC ONLY, Black mastic under 12" cream floor tile: **O&M**
- H-6: TSI, FITTING, Gray: **Remove/O&M**
- H-7: MISC, GLAZING, Light gray: **O&M**

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance recommendations for confirmed and assumed homogeneous areas of ACM are found in the Operations & Maintenance Table of this section. The materials listed below should be maintained following the guidelines of an O & M Plan during regular maintenance and small-scale repair activities until removed.

TSI FITTING is Confirmed, Highly-friable ACM.

H-6 (FITTING, Gray) is located in Rooms 102 & 103.

MISC FLOOR TILE MASTIC ONLY is Confirmed, Non-friable ACM.

H-1 (FLOOR .ILE MASTIC ONLY, Black mastic under 12" cream floor tile) is located in Rooms 100, 101, 106, 107, 108, 109, 114, 118, 119, 120, 126, 200, 201, 202, 204, 206, 207, 208, 209, 210, 211, 212, 213, 217, 218, 220, 221, Entry E-001, Hallways H-100, H-101, H-102, H-103, H-200, H-201 & Stairwell S-001.

MISC GLAZING is Confirmed, Non-friable ACM.

H-7 (GLAZING, Light gray) is located on exterior windows of Room 103.

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY

Building No. 1

H-No	ACM Y,N,A	Material Description	Quantity	Rating	Fria-bility	Cond	% D	Recommended Action	Cost Estimate	Comments
1	Y	**Misc, FLOOR TILE MASTIC ONLY, 12", Black mastic under cream floor tile**	**12,882 SF**	**9**	**Non**	**PD**	**0.0**	**O&M**		**Black mastic contains asbestos, floor tile does not.**
		Rooms 100, 101, 106, 107, 108, 109, 114, 118, 119, 120, 126, 200, 201, 202, 204, 206, 207, 208, 209, 210, 211, 212, 213, 217, 218, 220, 221, E-001, H-100, H-101, H-102, H-103, H-200, H-201, S-001								
2	N	**Surfacing, SPRAYED ON ACOUSTICAL, COTTAGE CHEESE, White**	**SF**	**0**						
		Rooms E-001, Roof								
3	N	**Misc, SHEETROCK/MUD, White**	**SF**	**0**						
		Rooms 104, 205, Various								
4	N	**Surfacing, PLASTER, White**	**SF**	**0**						
		Rooms 102, 115, 129, 225, Various								
5	N	**Misc, GROUT, CERAMIC TILE, Gray**	**SF**	**0**						
		Rooms 129, 225, Various								
6	Y	**TSI, FITTING, MUDDED, Gray**	**59 SF**	**26**	**High**	**PD**	**0.0**	**Remove/O&M**		
		Rooms 102, 103								
7	Y	**Misc, GLAZING, WINDOW EXTERIOR, Light gray**	**576 LF**	**11**	**Non**	**PD**	**0.0**	**O&M**		**Located on exteruior side of Drill Hall windows (Room 103).**
		Rooms Exterior								
8	N	**Misc, ROOFING, FLASHING/MASTIC, Black**	**SF**	**0**						
		Rooms Roof								

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

LABORATORY TEST RESULTS TABLE

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY
INDUSTRIAL LABORATORY TEST REPORT

Building No. 1

Homo. Area	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	YES	Tscaloosa-001	H-201	Misc, FLOOR TILE MASTIC ONLY, 12", Black mastic under cream f	12/08/01	12/21/01	Chrysotile	10%
1	YES	Tscaloosa-002	H-100	Misc, FLOOR TILE MASTIC ONLY, 12", Black mastic under cream f	12/08/01	12/21/01	Chrysotile	10%
2	NO	Tscaloosa-003	E-001	Surfacing, SPRAYED ON ACOUSTICAL, White	12/08/01	12/21/01	No Asbestos Detected	0%
2	NO	Tscaloosa-004	E-001	Surfacing, SPRAYED ON ACOUSTICAL, White	12/08/01	12/21/01	No Asbestos Detected	0%
2	NO	Tscaloosa-005	E-001	Surfacing, SPRAYED ON ACOUSTICAL, White	12/08/01	12/21/01	No Asbestos Detected	0%
3	NO	Tscaloosa-006	104	Misc, SHEETROCK/MUD, White	12/08/01	12/21/01	No Asbestos Detected	0%
3	NO	Tscaloosa-007	205	Misc, SHEETROCK/MUD, White	12/08/01	12/21/01	No Asbestos Detected	0%
4	NO	Tscaloosa-008	225	Surfacing, PLASTER, White	12/08/01	12/21/01	No Asbestos Detected	0%
4	NO	Tscaloosa-009	129	Surfacing, PLASTER, White	12/08/01	12/21/01	No Asbestos Detected	0%
4	NO	Tscaloosa-010	102	Surfacing, PLASTER, White	12/08/01	12/21/01	No Asbestos Detected	0%
4	NO	Tscaloosa-011	102	Surfacing, PLASTER, White	12/08/01	12/21/01	No Asbestos Detected	0%
4	NO	Tscaloosa-012	115	Surfacing, PLASTER, White	12/08/01	12/21/01	No Asbestos Detected	0%
5	NO	Tscaloosa-013	129	Misc, GROUT, Gray	12/08/01	12/21/01	No Asbestos Detected	0%
5	NO	Tscaloosa-014	225	Misc, GROUT, Gray	12/08/01	12/21/01	No Asbestos Detected	0%
6	YES	Tscaloosa-015	102	TSI, FITTING, Gray	12/08/01	12/21/01	Chrysotile	15%
6	YES	Tscaloosa-016	102	TSI, FITTING, Gray	12/08/01	12/21/01	Chrysotile	14%
6	YES	Tscaloosa-017	103	TSI, FITTING, Gray	12/08/01	12/21/01	Chrysotile	15%
7	YES	Tscaloosa-018	Exterior	Misc, GLAZING, Light gray	12/08/01	12/21/01	Chrysotile	2%
7	NO	Tscaloosa-019	Exterior	Misc, GLAZING, Light gray	12/08/01	12/21/01	No Asbestos Detected	0%
8	NO	Tscaloosa-020	Roof	Misc, ROOFING, Black	12/08/01	12/21/01	No Asbestos Detected	0%
8	NO	Tscaloosa-021	Roof	Misc, ROOFING, Black	12/08/01	12/21/01	No Asbestos Detected	0%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY

Bldg. No.	Homo No.	Material Description	Quantity	Rat-ing	Fria-bility	Condition	% D	Recommended Action
1	1	Misc, FLOOR TILE MASTIC ONLY, 12", Black mastic under cream floor tile	12,882 SF	9	Non	Not Damaged	0.00	O&M
Locations:		Rooms 100, 101, 106, 107, 108, 109, 114, 118, 119, 120, 126, 200, 201, 202, 204, 206, 207, 208, 209, 210, 211, 212, 213, 217, 218, 220, 221, E-001, H-100, H-101, H-102, H-103, H-200, H-201, S-001						
1	6	TSI, FITTING, MUDDED, Gray	59 SF	26	High	Not Damaged	0.00	Remove/O&M
Locations:		Rooms 102, 103						
1	7	Misc, GLAZING, WINDOW EXTERIOR, Light gray	576 LF	11	Non	Not Damaged	0.00	O&M
Locations:		Rooms Exterior						

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.

BUILDING 2: Maintenance Shop

1. DESCRIPTION:

Building 2 is a three-bay, 7,280 square-foot building constructed in1958. It is a concrete block structure with a brick exterior and a flat, tar & gravel roof. The following information was identified during the survey and from the analysis of the samples taken:

- Eleven homogeneous areas were identified during the initial survey.
- Five homogeneous areas were assumed to contain asbestos.
- Six of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- One of the suspected homogeneous areas was confirmed to contain asbestos.
- Five of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Six homogeneous areas with suspected ACM were identified. Nine samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was found in one of the homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

- H-6: TSI, FITTING, MUDDED, Gray, was Highly-friable and Not Damaged.

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-1: MISC, FLOOR TILE MASTIC, Black under cream floor tile
- H-7: MISC, GLAZING, WINDOW EXTERIOR, Gray
- H-9: MISC, ROOFING, FLASHING/MASTIC, Black & silver
- H-10: MISC, ROOFING, TAR AND GRAVEL, Black
- H-11: MISC, GLAZING, WINDOW EXTERIOR, White

Assumed ACM. The following homogeneous areas were assumed to contain asbestos:

- H-1: MISC, FLOOR TILE MASTIC, under 12" cream floor tile, was Non-friable and Not Damaged.

- H-7: MISC, GLAZING, WINDOW EXTERIOR, Gray, was Non-friable and Not Damaged.
- H-12: MISC, FLOOR TILE & MASTIC, 9", Green w/white streaks, was Non-friable and Not Damaged.
- H-13: MISC, FLOOR TILE & MASTIC, 9", Chocolate brown w/red & white streaks, was Non-friable and Not Damaged.
- H-14: MISC, FLOOR TILE & MASTIC, 9", Tan w/white & brown streaks, was Non-friable and Not Damaged.

3. OBSERVATIONS: H-1 and H-7 are assumed to contain asbestos because the same homogeneous materials in Building 1 contained asbestos.

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

- H-1: MISC, FLOOR TILE MASTIC, black, under 12" cream floor tile: **O&M**
- H-6: TSI, FITTING, Gray: **Remove/O&M**
- H-7: MISC, GLAZING, Gray: **O&M**
- H-12: MISC, FLOOR TILE & MASTIC, 9", Green w/white streaks: **O&M**
- H-13: MISC, FLOOR TILE & MASTIC, 9", Chocolate brown w/red & white streaks: **O&M**
- H-14: MISC, FLOOR TILE & MASTIC, 9", Tan w/white & brown streaks: **O&M**

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance recommendations for confirmed and assumed homogeneous areas of ACM are found in the Operations & Maintenance Table of this section. The materials listed below should be maintained following the guidelines of an O & M Plan during regular maintenance and small-scale repair activities until removed.

TSI FITTING is Confirmed, Highly-friable ACM.

H-6 (FITTING, Gray) is located in Room 104.

MISC FLOOR TILE MASTIC is Assumed, Non-friable ACM.

H-1 (FLOOR TILE MASTIC ONLY, black under 12” cream floor tile) is located in Rooms 100, 101 & Hallway H-100.

MISC FLOOR TILE & MASTIC is Assumed, Non-friable ACM.

H-14 (FLOOR TILE & MASTIC, 9", Tan w/white & brown streaks) is located in ROOM 107.

H-12 (FLOOR TILE & MASTIC, 9", Green w/white streaks) is located in ROOM 107.

H-13 (FLOOR TILE & MASTIC, 9", Chocolate brown w/red & white streaks) is located in ROOM 107.

MISC GLAZING is Assumed, Non-friable ACM.

H-7 (GLAZING, Gray) is located on exterior side of windows.

LABORATORY TEST RESULTS TABLE

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY
INDUSTRIAL LABORATORY TEST REPORT

Building No. 2

Homo. Area	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	NO	Tscaloosa-022	100	Misc, FLOOR TILE MASTIC ONLY, 12", Cream w/brown streaks	12/08/01	12/21/01	No Asbestos Detected	0%
6	YES	Tscaloosa-023	104	TSI, FITTING, Gray	12/08/01	12/21/01	Chrysotile	2%
7	NO	Tscaloosa-024	Exterior	Misc, GLAZING, Gray	12/08/01	12/21/01	No Asbestos Detected	0%
9	NO	Tscaloosa-025	Roof	Misc, ROOFING, Black & silver	12/08/01	12/21/01	No Asbestos Detected	0%
9	NO	Tscaloosa-026	Roof	Misc, ROOFING, Black & silver	12/08/01	12/21/01	No Asbestos Detected	0%
10	NO	Tscaloosa-027	Roof	Misc, ROOFING, Black	12/08/01	12/21/01	No Asbestos Detected	0%
10	NO	Tscaloosa-028	Roof	Misc, ROOFING, Black	12/08/01	12/21/01	No Asbestos Detected	0%
11	NO	Tscaloosa-029	Exterior	Misc, GLAZING, White	12/08/01	12/21/01	No Asbestos Detected	0%
11	NO	Tscaloosa-030	Exterior	Misc, GLAZING, White	12/08/01	12/21/01	No Asbestos Detected	0%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY

Building No. 2

H-No	ACM Y,N,A	Material Description	Quantity	Rating	Fria-bility	Cond	% D	Recommended Action	Cost Estimate	Comments
1	A	**Misc, FLOOR TILE MASTIC ONLY, 12", Cream w/brown streaks**	**566 SF**	**10**	**Non**	**PD**	**0.0**	**O&M**		**Same homogeneous material (mastic only) contained asbestos in Building 1. (See sample #001)**
		Rooms 100, 101, H-100								
3	N	**Misc, GROUT, CERAMIC TILE, Gray**	**SF**	**0**						
		Rooms Various								
5	N	**Misc, GROUT, CERAMIC TILE, Gray**	**SF**	**0**						
		Rooms Various								
6	Y	**TSI, FITTING, MUDDED, Gray**	**6 SF**	**24**	**High**	**PD**	**0.0**	**Remove/O&M**		
		Rooms 104								
7	A	**Misc, GLAZING, WINDOW EXTERIOR, Gray**	**20 SF**	**10**	**Non**	**PD**	**0.0**	**O&M**		**Same homogeneous material contained asbestos in Building 1.(See sample #18)**
		Rooms Exterior								
9	N	**Misc, ROOFING, FLASHING/MASTIC, Black & silver**	**SF**	**0**						
		Rooms Roof								
10	N	**Misc, ROOFING, TAR AND GRAVEL, Black**	**SF**	**0**						
		Rooms Roof								
11	N	**Misc, GLAZING, WINDOW EXTERIOR, White**	**SF**	**0**						
		Rooms Exterior								
12	A	**Misc, FLOOR TILE & MASTIC, 9", Green w/white streaks**	**40 SF**	**3**	**Non**	**PD**	**0.0**	**O&M**		
		Rooms 107								
13	A	**Misc, FLOOR TILE & MASTIC, 9", Chocolate brown w/red & white streaks**	**70 SF**	**3**	**Non**	**PD**	**0.0**	**O&M**		
		Rooms 107								
14	A	**Misc, FLOOR TILE & MASTIC, 9", Tan w/white & brown streaks**	**70 SF**	**3**	**Non**	**PD**	**0.0**	**O&M**		
		Rooms 107								

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

US ARMY RESERVE CENTER - TUSCALOOSA
ASBESTOS BUILDING SURVEY

Bldg. No.	Homo No.	Material Description	Quantity	Rat-ing	Fria-bility	Condition	% D	Recommended Action
2	1	Misc, FLOOR TILE MASTIC ONLY, 12", Cream w/brown streaks	566 SF	10	Non	Not Damaged	0.00	O&M
Locations:		Rooms 100, 101, H-100						
2	6	TSI, FITTING, MUDDED, Gray	6 SF	24	High	Not Damaged	0.00	Remove/O&M
Locations:		Rooms 104						
2	7	Misc, GLAZING, WINDOW EXTERIOR, Gray	20 SF	10	Non	Not Damaged	0.00	O&M
Locations:		Rooms Exterior						
2	12	Misc, FLOOR TILE & MASTIC, 9", Green w/white streaks	40 SF	3	Non	Not Damaged	0.00	O&M
Locations:		Rooms 107						
2	13	Misc, FLOOR TILE & MASTIC, 9", Chocolate brown w/red & white streaks	70 SF	3	Non	Not Damaged	0.00	O&M
Locations:		Rooms 107						
2	14	Misc, FLOOR TILE & MASTIC, 9", Tan w/white & brown streaks	70 SF	3	Non	Not Damaged	0.00	O&M
Locations:		Rooms 107						

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.

BUILDING 2 – MAINTENANCE SHOP – TUSCALOOSA, AL

BUILDING 3: Storage

1. DESCRIPTION:

Building 3 is a 2325 square-foot building. It is a metal structure with a metal roof and siding**. Inspection of this building revealed no suspected asbestos containing materials**. The following information was identified during the survey:

- No homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.

2. FINDINGS:

No homogeneous areas with suspected ACM were identified. No samples were collected or analyzed.

3. OBSERVATIONS: No suspect materials found.

4. RECOMMENDED ABATEMENT ACTIONS: NONE

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE: NONE

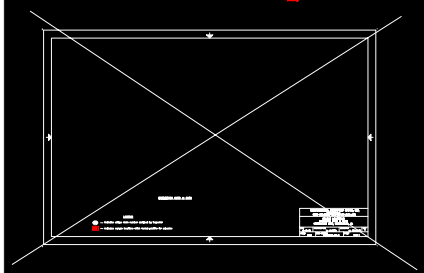
BUILDING 3 – STORAGE BUILDING – TUSCALOOSA, AL

TUSCALOOSA ALA

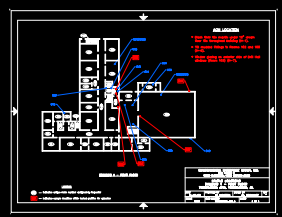
8 MAPLE LOCK TERR
TUSCALOOSA
(ARGEN PACE APTS, CARE MA CECIE)

AIR LEGEND

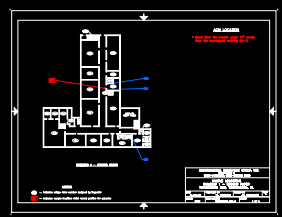
- Red line is a hard, permanent building or structure (Wall, Fence, etc.)
- Blue line is a soft, temporary line (Tape, Rope, Chain, etc.)
- Yellow line is a hard, permanent line (Curb, Sidewalk, Pavement, etc.)
- Green line is a soft, temporary line (Hose, Cord, Cable, etc.)
- Indicates the Wind vector throughout the site



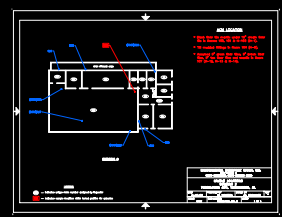
8.5X11



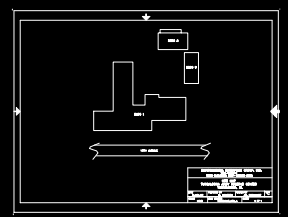
8.5X11



8.5X11



8.5X11



DEPARTMENT OF THE ARMY
HEADQUARTERS, 81ST REGIONAL SUPPORT COMMAND
255 WEST OXMOOR ROAD
BIRMINGHAM, ALABAMA 35209-6383

JUL 0 1 2002

REPLY TO
ATTENTION OF

S: 30 Sep 2002

AFRC-CAL-EN (200)

MEMORANDUM FOR Commander, Finnell AFRC, ATTN: Facility Manger 2627 10th Avenue, Tuscaloosa, Alabama 35401-6699

SUBJECT: Internal Compliance Assessment

1. On May 23, 2002, the 81st Regional Support Command (RSC) Deputy Chief of Staff Installation Management (DCS, Instl Mgt), Environmental Division conducted an Internal Compliance Assessment (IA) at the Tuscaloosa Armed Forces Reserve Center. The purpose of the IA was to ensure your facility is in compliance with environmental laws and regulations.

2. Enclosed is a summary of the findings and corrective action and a copy of the Internal Compliance Assessment Form.

3. All corrective actions must be completed by 30 September 2002, with written documentation verifying that each correction has been made, submitted to 81st RSC, ATTN: AFRC-CAL-EN, (Scott Gardner) 81st RSC, 255 West Oxmoor Road, Birmingham, AL 35209.

4. Please contact Mr. Scott Gardner, 81st RSC Environmental Manager, Birmingham, AL at (205) 795-1695 or Mr. Steven Francis, 81st RSC Environmental Manager, at (877) 749-9063, extension 1588 should you have any questions about environmental issues or need assistance completing these corrective actions. We are dedicated to assisting you in developing and maintaining a good environmental compliance program.

H Steven Francis

Encl
as

MICHAEL O'STEEN
Facility Management Officer

CF:
FAST #3
DCSLOG
Commander, HUB 75 CSH

Summary of Findings and Corrective Actions

1. No record of Quarterly Hazardous Waste Generator / Recycling Report being completed and maintained on file.

Corrective Action: Maintain documentation of hazardous waste disposal and recycling on file. Complete the Quarterly Hazardous Waste Generator / Recycling Report, Form 5R, 81st RSC Environmental Regulation 200-1, and submit to your Environmental Manager on a quarterly basis.

2. Hazardous Material Inventory not conducted semi-annually and recorded on Form 6-R. (81st RSC Reg 200-1)

Corrective Action: An inventory of all hazardous materials should be performed twice per year. This includes the storage of cleaners, detergents, POL, NBC chemicals, solvents, etc. Form 6-R in the 81st RSC Regulation 200-1 can be used for the inventory. Once completed, the inventory should be placed in each area where the HM is stored and a copy of the complete inventory placed behind Tab IIIb, of your Environmental Records Binder.

3. Environmental training for all personnel was not documented and placed on file (29 CFR 1910.1201).

Corrective Action: All environmental training attended by personnel must be documented in the environmental binder. Copies of training certificates and down training sign-in sheets will meet this requirement. At least one individual at each center responsible for hazardous materials and hazardous waste management must attend the 81st RSC Annual Environmental Training. All TPU soldiers must receive an annual briefing on hazardous materials, MSDS, and Spill Response.

4. No record of radon survey on file. The facility had a radon survey on file, however, the survey was not for the facility.

Corrective: A radon survey should be completed for the facility. Contact your area environmental manager for help.

5. MSDS not available for all hazardous materials. (29 CFR 1910.1200)

Corrective Action: Material Safety Data Sheets should be on hand and easily accessible to all employees for each type of hazardous material or hazardous waste stored on site.

6. Hazardous waste storage areas not inspected weekly. (40 CFR 262.34, 265.175)

Corrective Action: All hazardous material and/or hazardous waste storage areas must be inspected once per week for damaged or leaking containers, proper labeling, proper aisle space, tops on all containers, and evidence of spills or leaks from motor pool equipment. These inspections must be documented and made available for inspection by the proper officials.

7. Spill procedures not posted in all Hazardous Material/Hazardous Waste Storage areas. (40 CFR 262.34, 81st RSC Reg 200-1)

Corrective Action: All storage areas that contain hazardous materials and/or hazardous waste must have a copy of the 81st RSC Spill Response Procedures with current POC information posted and easily visible in each storage area. A copy of the Spill Response Procedures can be found in Chapter 5 of the 81st RSC Reg 200-1. A copy should also be placed.

8. Emergency contact names and phone numbers not posted. (40 CFR 262.34)

Corrective Action: Emergency contact information including names and phone numbers should be posted near the phone most likely to be used in the event of an emergency. The 81st RSC Reg 200-1, Spill Response Procedures contain these numbers and can be used to satisfy this requirement.

81ST RSC ENVIRONMENTAL
INTERNAL COMPLIANCE ASSESSMENT

Inspector: Scott Gardner AL045

Inspection Date:: 5/23/02

Next Inspection Due:: 5/23/04

INSPECTOR NOTES

1st Inspection since the facility ID's were separated. Records were updated ~~while~~ during visit. Deficiencies are noted on the following pages.

ENVIRONMENTAL RECORD

I. PREVIOUS INSPECTIONS

					Category
I.	Copies of ALL Env Inspections for past 3 yrs: (BMP, 81st RSC SOP)	YES	NO	N/A	3

II. HAZARDOUS WASTE MANAGEMENT

II.a	HW Min and HW MGT Plan on file: (40 CFR 262.41)	YES	NO	N/A	2
II.b	Quarterly HW Generator report (Form 5-R): (BMP, 81st RSC SOP)	YES	NO	N/A	3
II.c	Manifests Filed chronologically: (40 CFR 262.20)	YES	NO	N/A	2
II.d	HW Hauler Invoices: (40 CFR 262.20)	YES	NO	N/A	2

III. HAZARDOUS MATERIALS MANAGEMENT

III.a	Haz Mat Inventory Conducted Semi-Annually (Form 6-R): (EPCRA SEC 313)	YES	NO	N/A	2
III.b	Toxic Chemical Release Inventory (Form 7-R): (EPCRA SEC 313)	YES	NO	N/A	2

IV. HAZARD COMMUNICATION

IV.a	Written Hazcom program: (29 CFR 1910.1201)	YES	NO	N/A	2

V. SPILL REPONSE PLAN

V.a	Site specific spill plan: AR200-1, 81st RSC	YES	NO	N/A	3
V.b	Emergency Contacts Current: (40 CFR 262.34)	YES	NO	N/A	2
V.c	Spill Record: (40 CFR 302.06)	YES	NO	N/A	2

VI. STORAGE TANK MANAGEMENT

VI.

Number of AST's: 0 Number of UST's: 0

Number of AST> than 660 gal: 0 Number of Active: 0

Tanks used for:

VII. ENVIRONMENTAL TRAINING

VII.	Environmental Training Documented and Filed: (40 CFR 262.34, 29CFR 1910.120)	YES	NO	N/A		2
	Hazwoper for AMSA/ECS/OMS personnel:: (29 CFR 1910.120)	YES	NO	N/A	SGT Anders Needs Annual Trng	2
	Hazwaste Handler for AMSA/ECS/ASF: (40 CFR 262.34, 29 CFR 1910.120)	YES	NO	N/A		2
	Annual Hazcom for all personnel:: (29 CFR 1910.1201)	YES	NO	N/A		2

ENVIRONMENTAL RECORDS

VIII. WATER QUALITY

						Category
VIII.a	OWS Maintenance Documentation on File: 81ST RSC SOP	YES	NO	N/A	AMSA	3
VIII.b	Storm Water Permit Required: CWA	YES	NO	N/A	SW Permit #:	2
VIII.c	Strorm Water Sample Record: 40 CFR 122.21	YES	NO	N/A	AMSA	2
	SW Samples Taken Annually: 40 CFR 122.21	YES	NO	N/A	AMSA	2
	Storm Water Plan:: 40 CFR 122.21	YES	NO	N/A	AMSA	2
	Storm Water Training (Annually): 40 CFR 122.21	YES	NO	N/A	AMSA	2

IX. AIR QUALITY

IX.	Air Emissions Statement on File: AR 200-1	YES	NO	N/A	3
	Asbestos Survey on File: AR 200-1	YES	NO	N/A	3
	O M Plan: AR 200-1	YES	NO	N/A	3
	Radon Test Results on File: AR 200-1	YES	NO	N/A	3

X. INDOOR FIRING RANGES

X.	Record of range test: AR 200-1	YES	NO	N/A	3
	Firing Range Status: 81ST RSC SOP				3
	Firing Range Closure or Conversion Date: 81ST RSC SOP				3

XI. OTHER ENV

XI.a	Pesticide letter: AR 200-1	YES	NO	N/A	3
	PCB Letter: AR 200-1	YES	NO	N/A	3
	ICUZ Statement on File: AR 200-1	YES	NO	N/A	3

HAZARDOUS MATERIAL MANAGEMENT

					Category
Sufficient ventilation for HazMats: (29 CFR 1910.106)	YES	NO	N/A		2
Haz Mat/Flammable Signs: (29 CFR 1910.106)	YES	NO	N/A		2
HM Covered and Off the Ground: (29 CFR 1910.106)	YES	NO	N/A		2
HM Stored in Proper Container: (29 CFR 1910.106, 49 CFR 172)	YES	NO	N/A		2
HM Stored is compatable: (29 CFR 1910.106, 1910.1200)	YES	NO	N/A		2
POL Drums Covered: (40 CFR 112.7)	YES	NO	N/A		2
Storage area away from drain?: (29 CFR 1910.106, 40 CFR 112.7)	YES	NO	N/A		2
HM Inventory Filed with Fire Department: (EPCRA 311, RSC SOP)	YES	NO	N/A	AMSA	2,3
HW/HM containers grounded: (29 CFR 1910.106, NFPA)	YES	NO	N/A		2
Flammable Liquids Stored in Closed Containers: (29 CFR 1910.106)	YES	NO	N/A		2
No Excess HM on site:: (29 CFR 1910.106)	YES	NO	N/A		2
HW/HM stored separately: (29 CFR 1910.106)	YES	NO	N/A		2
MSDS's Readily Available for All HM at each HM Storage Area: (29 CFR 1910.1200)	YES	NO	N/A		2
HM containers labeled properly:: (29 CFR 1910.1200)	YES	NO	N/A		2

HM Note:: Small Container POL products found in Flammables Storage Cabinet stored outside. This storage cabinet needs HM inventory & Spill Response procedures posted.

HAZARDOUS WASTE MANAGEMENT

					Category
Incompatible Wastes Separated: 40 CFR 262.34(d)(2)	YES	NO	N/A		1,2
HW Storage Areas Inspected weekly: 40 CFR 262.34, 265.175	YES	NO	N/A		2
Containers Free from Leaks and Spills: 40 CFR 262.34, 265.171	YES	NO	N/A		2
Waste Containers Compatible with Waste: 40 CFR 262.34, 265.172,177	YES	NO	N/A		2
Hazardous Waste Lables on Containers: 40 CFR 262.34(c)(1)(ii)	YES	NO	N/A		2
HW Containers Kept Closed: 40 CFR 262.34, 265.173	YES	NO	N/A		2
Dumpster Marked "No Haz Waste Solid Only": 81ST RSC SOP	YES	NO	N/A		3
Haz Waste properly disposed: 40 CFR 262.10	YES	NO	N/A	AmsA	2
Drip pans used to contain leaks:: 81ST RSC SOP	YES	NO	N/A		3
Spill procedures posted:: 40 CFR 262.34	YES	NO	N/A		2
Emergency POC posted:: 40 CFR 262.34	YES	NO	N/A		2
No Distressed Vegetation/ Ground contamination Visible: 40 CFR 262.34, 265.193	YES	NO	N/A		2
EPA ID # Required: 40 CFR 262.12	YES	NO	N/A	AmsA	2
EPA ID NUMBER: 40 CFR 263.12	Date EPA # Issued:				2

HW Handler Name:	Sherman Johnson	2
HW Handler Address:		
HW Handler Phone:		

HW Note:: Facility relys on AmsA shop foreman to handle waste.

POLLUTION PREVENTION

					Category
Anti-Freeze recycled:	YES	NO	N/A	AMSA	3
Used oil recycled:	YES	NO	N/A	AMSA	3
No Distressed Veg/ Ground contamination:	YES	NO	N/A		2
Recycle Program for paper, cans, and lights:	YES	NO	N/A		2
Recycling documented:	YES	NO	N/A		2
Drip pans used to contain leaks:	YES	NO	N/A		2
Batteries Recycled:	YES	NO	N/A	AMSA	2
Sufficient Spill Clean Up supplies:	YES	NO	N/A		2,3
Vehicles Checked for Leaks:	YES	NO	N/A		2

P2 Note::

WASHRACKS

WASHRACK STATUS	OWS STATUS	RECIRCULATION SYS
OPEN	NEEDS UPDATING	OPERATIONAL
CLOSED	OPERATIONAL	INOPERATIVE
UPGRADED	INOPERATIVE	N/A
OUT OF COMPLIANCE	✓ N/A	
✓ N/A		

OWS free of visible oil:	YES	NO	N/A	AMSA	2
OWS Serviced Annually:	YES	NO	N/A		2
Containment Walls:	YES	NO	N/A		2
Soil around washrack unstained:	YES	NO	N/A		2
Cement Free of Cracks:	YES	NO	N/A		2
Washrack Covered:	YES	NO	N/A		2
Date Washracked Installed:					2

WR Note:

DEPARTMENT OF THE ARMY
HEADQUARTERS, 81ST REGIONAL SUPPORT COMMAND
255 WEST OXMOOR ROAD
BIRMINGHAM, ALABAMA 35209-6383

REPLY TO ATTENTION OF

AFRC-CAL-EN (200-1)

JUL 29 2002

MEMORANDUM FOR Commander, 81st Regional Support Command (RSC) Facilities

SUBJECT: Air Quality

1. The 81st Regional Support Command (RSC) has completed a command survey to identify sources of air pollution emissions. At this time, there is no stationary or mobile air pollution sources identified, which would constitute the submission of a Title V, Air Pollution Control permit application.

2. This memorandum should be used to avoid negative Environmental Compliance Assessment Army Reserve findings as it relates to Air Quality. This memorandum is to be filed and maintained in the Environmental Records Binder. The point of contact for this action is Deputy Chief of Staff, Installation Management, Chief, Environmental Division at 877-749-9063, ext 1588.

MICHAEL O'STEEN
Facility Management Officer

AFRC-CAL-EN (200-1) August 28 ,2002

MEMORANDUM THRU

81st RSC, DCSENG, ATTN: Steven Francis, Birmingham, AL 35209

81st RSC, DCSENG, ATTN: Michael O'Steen, Birmingham, AL 35209

FOR 81st RSC, DCSENG, ATTN: COL Reid J. Matherne, Birmingham, AL 35209

SUBJECT: After Action Report (AAR) – Site visit to the Tuscaloosa Armed Forces Reserve Center (AFRC) concerning mold

1. BACKGROUND:

a. A site visit was conducted at the Tuscaloosa AFRC to investigate a potential mold problem reported to the 81st RSC by the facility manager. It was reported to the 81st RSC Environmental Division, that excessive mold was growing in the building creating a stale odor. The concern centered on the potential health effects the mold may be having on employees in the building.

b. The site visit occurred on August 27, 2002

c. Attendees were:

Scott Gardner, 81st RSC Environmental Manager
SFC Roger Latham, Medical Supply NCOIC
SFC Janice Bates, 81st RSC Installation Management

2. HIGHLIGHTS OF VISIT

a. During the visit, SFC Bates, SFC Latham, and I, walked through out the facility to identify building surfaces that had evidence of excessive mold. During the walk through we noticed several of the ceiling tiles in the hallways were missing. SFC Latham stated that the missing tiles had received water damage and in turn were growing significant amounts of mold. SFC Latham stated these tiles were removed and thrown in the dumpster because they were an eyesore, and also, some employees were concerned that the presence of the mold created a potential health hazard. The walk through did not identify any areas where excessive mold growth was occurring other than the ceiling tiles that had already been removed.

b. After the walk through, I went back with a ladder and flashlight to the areas where the ceiling tiles had been removed. I examined the topside of the tiles surrounding the area where the ceiling tiles were removed. I also examined the insulation and wall surfaces above the ceiling tiles. None of these materials showed evidence of mold growth.

c. Using the flashlight, I noticed that water condensation from the HVAC pipes was dripping slightly from some of the valves and also from areas where pipe insulation was not adequate. It is evident that these dripping pipes are the source of the water damage to the ceiling tiles, and in turn the reason for the proliferation of mold. The ceiling tiles are an excellent medium for mold to grow because of the abundance of surface area and the cellulose content of the tile. When moisture is added, such as the dripping pipes, airborne mold spores can attach to the tiles and begin their life cycle.

3. POLICY MATTERS. Indoor Air Quality.

4. TDY EFFECTIVENESS EVALUATION. Effective.

5. PROPOSED FOLLOW-UP ACTIONS.

a. It is evident that the mold is only growing where the pipes are dripping and not on wall surfaces or in crawl spaces. This indicates that humidity is being controlled in most areas of the building. However, mold will continue to grow in the areas where water and HVAC pipes continue to drip condensate.

b. Mold can also grow in other areas where high humidity is present such as kitchens, bathrooms, and laundry rooms. Mold can also be found in areas where water damage occurs from ceiling leaks, deteriorated weather stripping of doors and windows, and in basements and crawl spaces. There was no evidence of mold in these areas.

c. It is recommended that all leaking valves be repaired or replaced. Also, it is recommended that the pipe insulation be examined and replaced where leaks have been identified and also in those places where insulation may be deteriorated or inadequate.

6. Point of contact for this memorandum is the undersigned at 334-244-5622, or email scott.gardner@se.usar.army.mil.

Scott Gardner
Environmental Manager

CF:
DCS, Installation Management (Environmental)

AL045
Admin Bldg

RSSI

6312 West Oakton Street
Morton Grove, IL 60053-2723
847-965-1999
Fax 847-965-1991

October 14, 2002

81ST REGIONAL SUPPORT COMMAND
INST MGT - ENV DIV
ATTN: BERNIE TUCKER
255 WEST OXMOOR ROAD
BIRMINGHAM, AL 35209

RE: Radon Monitor Test Results

This report lists the average radon concentration your radon monitor has been exposed to for the period between the reported start and end dates. The result is rounded to the nearest 0.1 picocuries per liter (pCi/l), the unit in which the radon concentration is expressed. Before making a decision about radon reduction actions, you may wish to retest for a longer period if the result is close to 4 pCi/l. If testing instructions were not followed, the result may not be accurate. Additional information is printed on both sides of this form.

Monitor Number	pCi/l	Test Location	Exposure Start	Exposure End Date
112403	1.4	ADMIN BLDG AL045	08/01/02	09/30/02

WHAT YOUR TEST RESULTS MEAN

The average indoor radon level in homes is estimated by the US EPA to be below 2 pCi/l. About 0.4 pCi/l is normally found in outside air. Congress has set a long-term goal that indoor radon levels be no more than outdoor levels. While this goal is not yet technologically achievable in all cases, the radon concentration in most homes with elevated concentrations *can* be reduced to below 2 pCi/l. However, US EPA believes that any radon exposure carries some risk. No level of radon is safe and you can reduce your risk of lung cancer by lowering your radon exposure. If your living patterns change and you begin occupying a level of your home lower than the level on which you have tested, you should retest your home on that lower level. Also, radon concentrations fluctuate daily, seasonally, and with weather conditions. This alpha track monitor provides the best averaging for these fluctuations. Therefore, you may wish to test again for a full year to average seasonal fluctuations or if exposure was for less than 90 days.

AL045
AmsA

RSSI

6312 West Oakton Street
Morton Grove, IL 60053-2723
847-965-1999
Fax 847-965-1991

October 14, 2002

BERNIE TUCKER
INST MGMT - ENV DIV
255 WEST OXMOOR ROAD
BIRMINGHAM, AL 35209

RE: Radon Monitor Test Results

This report lists the average radon concentration your radon monitor has been exposed to for the period between the reported start and end dates. The result is rounded to the nearest 0.1 picocuries per liter (pCi/l), the unit in which the radon concentration is expressed. Before making a decision about radon reduction actions, you may wish to retest for a longer period if the result is close to 4 pCi/l. If testing instructions were not followed, the result may not be accurate. Additional information is printed on both sides of this form.

Monitor Number	pCi/l	Test Location	Exposure Start	Exposure End Date
112404	2.0	AMSA 154 AL045	08/01/02	09/30/02

WHAT YOUR TEST RESULTS MEAN

The average indoor radon level in homes is estimated by the US EPA to be below 2 pCi/l. About 0.4 pCi/l is normally found in outside air. Congress has set a long-term goal that indoor radon levels be no more than outdoor levels. While this goal is not yet technologically achievable in all cases, the radon concentration in most homes with elevated concentrations *can* be reduced to below 2 pCi/l. However, US EPA believes that any radon exposure carries some risk. No level of radon is safe and you can reduce your risk of lung cancer by lowering your radon exposure. If your living patterns change and you begin occupying a level of your home lower than the level on which you have tested, you should retest your home on that lower level. Also, radon concentrations fluctuate daily, seasonally, and with weather conditions. This alpha track monitor provides the best averaging for these fluctuations. Therefore, you may wish to test again for a full year to average seasonal fluctuations or if exposure was for less than 90 days.

DEPARTMENT OF THE ARMY
HEADQUARTERS, 81ST REGIONAL READINESS COMMAND
255 WEST OXMOOR ROAD
BIRMINGHAM, ALABAMA 35209-6383

REPLY TO
ATTENTION OF

AFRC-CAL-EN (200)

MEMORANDUM FOR Commander AL0045, Woosley Finnel Armed Forces Reserve Center (AFRC), 2627 10th Avenue, Tuscaloosa, Alabama 35401-6699

SUBJECT: Internal Assessment

1. On June 30, 2004 the 81st Regional Readiness Command (RRC) Deputy Chief of Staff Installation Management (DCS, Instl Mgt), Environmental Division conducted an Internal Compliance Assessment (IA) at the Woosley Finnel AFRC. The purpose of the IA was to ensure your facility is in compliance with environmental laws and regulations.

2. Enclosed is a summary of the findings, corrective actions, and a copy of the Internal Compliance Assessment Form.

3. All corrective actions must be completed by October 31, 2004, with written documentation verifying that each correction has been made, submitted to 81st RSC, through MAJ Moniac Reserve Center, ATTN: Scott Gardner, 2775 Gunter Park Drive, Montgomery, AL 36109.

4. Please contact Mr. Scott Gardner, 81st RRC Environmental Manager, Montgomery, AL at 334-244-5622, or CPT Joseph Cox, 81st RRC Environmental Staff Officer, at (205) 912-6969, should you have any questions about environmental issues or need assistance completing these corrective actions. We are dedicated to assisting you in developing and maintaining a good environmental compliance program.

Encl
as

MICHAEL O'STEEN
Facility Management Officer
Deputy Chief of Staff, Engineer

CF:
FAST # 3
DCS, G4
Facility Manager, AMSA 154 G
Commander, HUB 75 CSH
Scott Gardner, 81st RRC Environmental Manager

CORRECTIVE ACTION PLAN

Finding #1 HM Inventory:

Hazardous Material Inventory not conducted semi-annually and recorded on Form 6-R. (81st RRC Reg 200-1)

Corrective Action: An inventory of all hazardous materials should be performed twice per year. This includes the storage of cleaners, detergents, POL, NBC chemicals, solvents, etc. Form 6-R in the 81st RRC Regulation 200-1 can be used for the inventory. Once completed, the inventory should be placed in each area where the HM is stored. A consolidated copy of the complete inventory should be placed behind Tab IIIb., of your Environmental Records Binder.

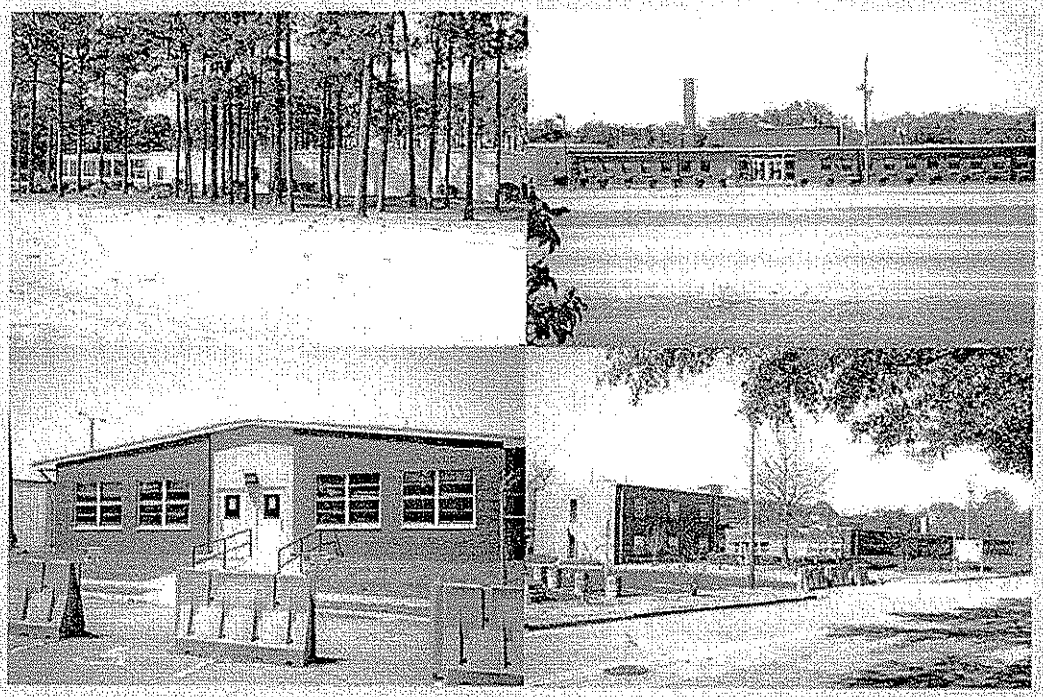
Finding #2 Training:

Environmental training for all personnel was not documented and placed on file (29 CFR 1910.1201).

Corrective Action: At least one individual at each center responsible for hazardous materials and hazardous waste management must attend the 81st RSC Annual Environmental Training. All TPU soldiers must receive an annual briefing on hazardous materials, MSDS, and Spill Response. All environmental training attended by personnel must be documented in the environmental binder. Copies of training certificates or sign-in sheets will meet this requirement. Records of environmental Training should be placed behind Tab VIIa., of your environmental records binder.

Intensive Architectural Survey of 33 Army Reserve Centers
81st Regional Support Command
Alabama, Florida, Georgia, Kentucky, Mississippi
North Carolina, and South Carolina

Final Report



Brockington and Associates, Inc.
Atlanta Charleston Raleigh

2005

prefabricated movable storage sheds, all consisting of metal siding and roofs. Figure 42 presents views of the maintenance shop and the storage sheds.

Although the existing buildings at Facility AL 044 were built during the Cold War, they were not constructed as part of any specific mission associated with the Cold War, nor are there any significant persons associated with the facility. The buildings do not represent any architectural style or coherent pattern, nor do they meet the fifty-year age requirement. Neither the architecture nor the historical associations of this facility meet any of the criteria for exceptional significance. We recommend Facility AL 044 not eligible for the NRHP.

Facility AL 045/AL 089 (Finnell AFRC/AMSA #154, Tuscaloosa, AL)

The Finnell USARC in Tuscaloosa Alabama is a complex consisting of two buildings constructed in 1957. Facing west toward 10th Avenue, the main building sits on a L-shaped footprint with the office wing situated on one axis and the drill hall on the other axis. Each wing consists of a concrete block structure rising two stories from continuous concrete foundation. Each wing has a common bond brick exterior. Windows on the office wing are the original metal-framed horizontal 1/1, the bottom pane of which opens in a hopper fashion. The inset entrance contains two sets of paired metal-framed glass doors with glass sidelights and transom. Located on the left elevation is a recent, two-story wing addition. The first floor is brick veneer and the second floor is a stucco. The wing addition seriously affects the integrity of the building Figure 43 presents views of the main building and the additional wing.

Rising two stories in height from a concrete pad foundation, the drill hall consists of a large open interior space, which provides room for equipment storage and drill. Each of the four bays along the front and rear elevations contain a ribbon of fixed pane replacement windows along the upper level. Doors include two pedestrian entries, one on the north and one on the south elevation, and an asymmetrically set metal roll up door on the east elevation. Like the office wing, the drill hall has a flat roof covered in built up metal.

The second building in the complex is the maintenance shop, constructed circa 1957. It consists of concrete block load bearing walls with a brick veneer rising from a concrete pad foundation. The three-bay facade is highlighted with three metal garage doors and a flat

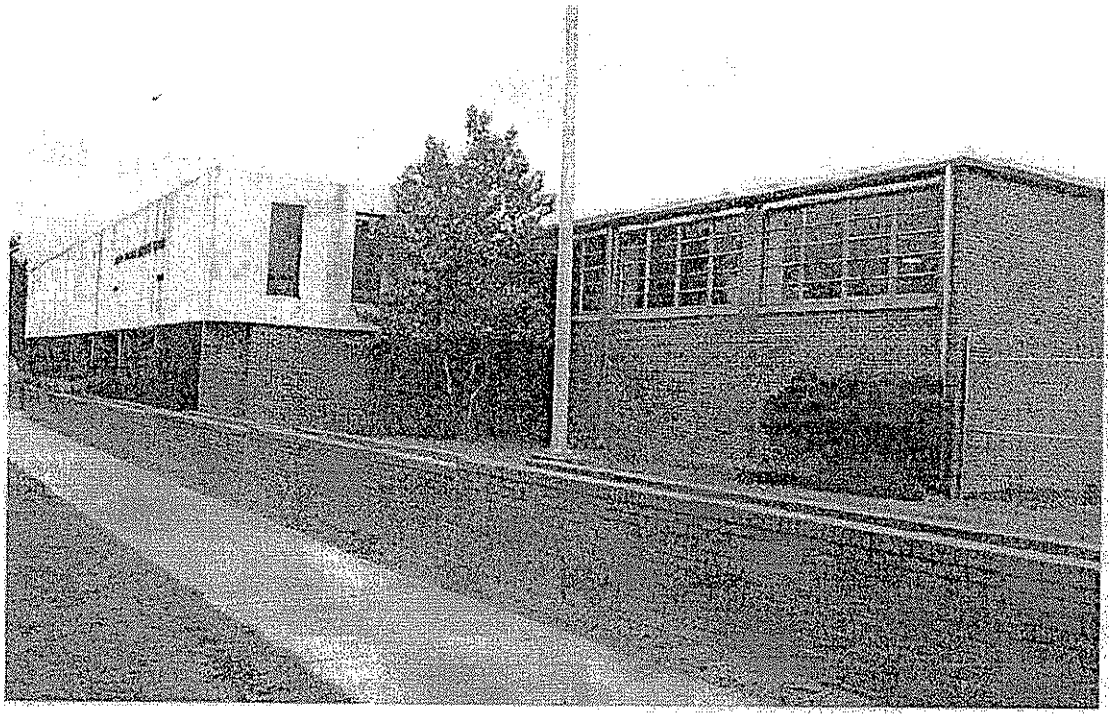


Figure 43. Facility AL 045/089. Top: main building, looking northeast; Bottom: looking southwest.

roof. A one bay wing is located on the left elevation and contains an office for the personnel. Figure 44 presents a view of the maintenance shop.

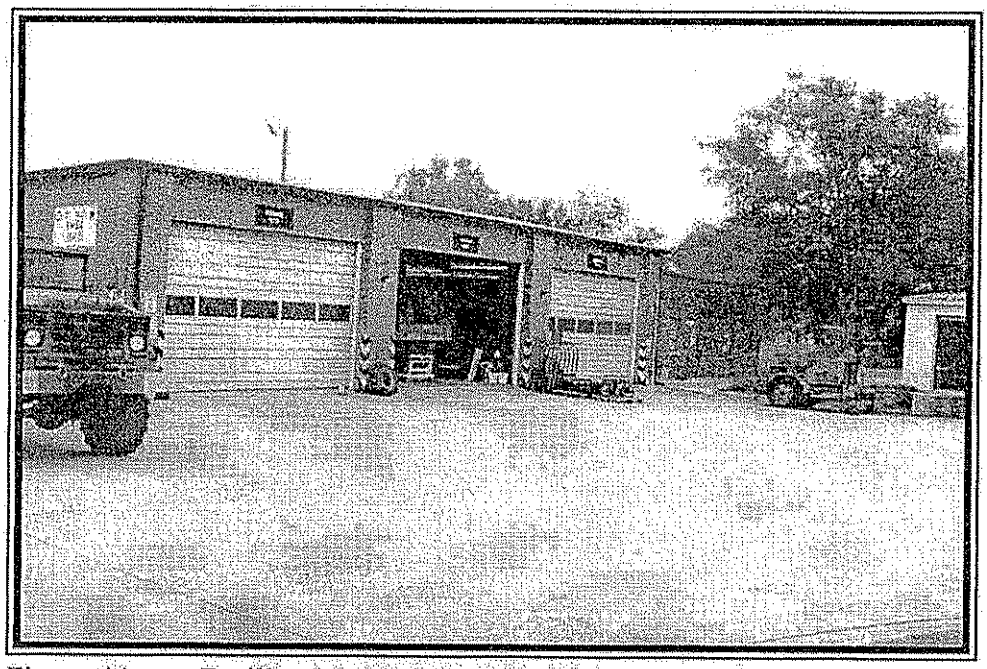


Figure 44. Facility AL 045/ AL 089. Maintenance shop.

Although the existing buildings at Facility AL 045/AL 089 were built during the Cold War, they were not constructed as part of any specific mission associated with the Cold War, nor are there any significant persons associated with the facility. The buildings do not represent any architectural style or coherent pattern, nor do they meet the fifty-year age requirement. Neither the architecture nor the historical associations of this facility meet any of the criteria for exceptional significance. We recommend Facility AL 045/AL 089 not eligible for the NRHP.

Facility FL 005 (Layton USARC, Gainesville, FL)

Facility FL 005 is a single building located in Gainesville, FL. Facing north toward Northeast 8th Avenue, the main building sits on a rectangular footprint running on a north-south axis. The main building at FL 005 is a one-to-two-and one-half story building built in 1953. It has a tall, two-story central section surrounded by a reverse C-shaped lower wing. Only part of the left side of the central section opens to the outside. The C-shaped

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

&

INSTALLATION SPILL CONTINGENCY PLAN (ISCP)

United States Army Reserve Center

TUSCALOOSA, ALABAMA

AMSA 154

(AL089)

Prepared for:

United States Army Reserve
81st Regional Readiness Command
Birmingham, Alabama

Prepared by:

Environmental Enterprise Group, Inc.
1345 Barracks Road
North Charleston, SC 29405

September 2005

Tuscaloosa SPCCP & ISCP

AMSA 154 (AL089)

TABLE OF CONTENTS

Page

1.0 HISTORICAL OVERVIEW 1-1
1.1 Spill Prevention Control and Countermeasure Plan (SPCCP) 1-1
1.2 Installation Spill Contingency Plan (ISCP) 1-2

2.0 FACILITY OVERVIEW 2-1
2.1 Name and Location 2-1
2.2 Date of Initial Operation 2-1
2.3 Operation and Activities 2-1
2.4 Geographical Description 2-1

3.0 POTENTIAL SPILL SOURCES 3-1
3.1 Area Maintenance Support Activity (AMSA) 3-1
3.2 Battery Room 3-1
3.3 Flammable Materials Storage Room 3-1
3.4 POL Storage Room 3-1
3.5 Waste POL Storage Shed 3-1
3.6 HAZMAT Storage Locker 3-1
3.7 Mobile Oil Vacuum Unit 3-2
3.8 Military Equipment Parking 3-2

4.0 FACILITY DEFICIENCIES 4-1
4.1 AMSA 4-1
4.2 Battery Room 4-1
4.3 Flammable Materials Storage Room 4-1
4.4 POL Storage Room 4-1
4.5 Waste POL Storage Shed 4-1
4.6 HAZMAT Storage Locker 4-1
4.7 Military Equipment Parking 4-1
4.8 Mobile Oil Vacuum Unit 4-1
4.9 Spill Record Statement 4-1

5.0 RECOMMENDED CORRECTIVE AND PREVENTIVE MEASURES 5-1
5.1 AMSA 5-1
5.2 Waste POL Storage Shed 5-1
5.3 Military Equipment Parking 5-1
5.4 Mobile Oil Vacuum Unit 5-1
5.5 Collection of Used Petroleum Oil Lubricants 5-2

6.0 PROCEDURES TO IMPLEMENT PLAN IN EVENT OF SPILL 6-1
6.1 Responsibilities of Key Personnel 6-1
6.2 Implementation of the SPCC Plan 6-2
6.3 SPCC Procedures for Normal Duty Office Hours 6-2
6.4 SPCC Procedures for Off-Duty Office Hours 6-4
6.5 Plan Prior to All Exercises 6-4
6.6 Outside Agencies to Contact 6-6
6.7 Public Relations 6-6
6.8 Establishment of a Communications Center 6-7

TABLE OF CONTENTS (Cont.)

7.0 RECOMMENDED TRAINING REVIEW REQUIREMENTS 7-1

8.0 APPROVAL AND CERTIFICATION 8-1
Professional Engineer Certification 8-1

APPENDICES

Appendix A – Immediate Corrective Actions

Appendix B – Emergency and Spill Response Action List

Appendix C – Preliminary Alert Procedure Checklist

Appendix D – Spill Report Form

Appendix E – PPM Inventories

LIST OF FIGURES

Fig.	Title	Page
1-0	Woolsey Finnel US Army Reserve Center Location Map	1-3
3-1	Woolsey Finnel USAR AMSA 154 Facility Layout	3-3
3-2	AMSA Layout	3-4
6-1	SPCC Procedures for Normal Duty Office Hours	6-3
6-2	SPCC Procedures for Off-Duty Office Hours	6-5

LIST OF TABLES

5-1	Spill Control Items for AMSA	5-1
5-2	Spill Control Items for POL Shed/MEP	5-1

REVISIONS

Current Issue: September 2005

ACRONYMS AND ABBREVIATIONS

AMSA	Area Maintenance Support Activity
AR	Army Regulation
ARC	Army Reserve Center
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
ISCP	Installation Spill Contingency Plan
MEP	Military Equipment Parking
OWS	Oil/Water Separator
PE	Professional Engineer
POL	Petroleum/Oils/Lubricants
PPM	Potentially Polluting Materials
RRC	Regional Readiness Command
SPCC	Spill Prevention Control and Countermeasure
SPCCP	Spill Prevention Control and Countermeasure Plan

1.0 HISTORICAL OVERVIEW

1.1 Spill Prevention Control and Countermeasure Plan (SPCCP)

Federal regulation 40 CFR 112 provides the guidelines for the development of the SPCCP in regards to oil. The SPCCP establishes procedures, methods and equipment to prevent the discharge of oil from non-transportation related facilities into surface waters. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulations 40 CFR 300.33, RCRA regulation 40 CFR 264.52, and Army regulation AR-200-1 expand the scope of the SPCCP to incorporate hazardous substances as defined in 40 CFR 302.3.

An SPCCP must be prepared for a facility when one of the following criteria are met:

1. A reasonable potential for discharging oil from fixed facilities into waters of the United States exists.

2. The oil storage capacity on site exceeds either:

   a. 42,000 gallons of underground storage.

   b. 1,320 gallons of total above ground storage, or any single container having a capacity in excess of 660 gallons.

3. A toxic storage facility is present or there is sufficient storage of a hazardous substance.

In general, the following information will be included as part of the requirements for the SPCCP:

1. Information about the facility including, but not limited to, name, type or function, location and address, overall drainage patterns and location maps.

2. Name and title of the designated person responsible for coordinating responses to oil and hazardous substance spills.

3. An inventory list of storage, handling and transfer facilities that could possibly produce a significant spill. Included will be a prediction of the direction of the flow and total quantity.

4. An inventory of all oil and hazardous substances at storage, handling and transfer facilities.

5. A detailed description of equipment and countermeasures including structures and equipment for diversion and containment of spills.

6. A description of deficiencies at each listed site along with recommendations to correct any deficiencies.

Owners or operators of a facility for which an SPCCP is required shall maintain a complete copy of the plan at the facility if it is normally attended at least 8 hours per day.

The SPCCP shall be amended in accordance with 40 CFR 112.7 whenever there is a change in facility design, construction, operation or maintenance that materially affects the facility's potential for the discharge of oil into or upon waters of the United States of America. Such amendments shall be implemented within six months after any changes occur. The SPCCP shall be updated every three years as a minimum.

1.2 Installation Spill Contingency Plan (ISCP)

The National Contingency Plan was established under the Clean Water Act and CERCLA 40 CFR 300.33 which state that all Federal Agencies must plan for emergencies and develop procedures for dealing with oil discharges and releases of hazardous substances for which they are responsible.

An ISCP establishes responsibilities, duties, procedures and resources to be employed to contain, mitigate and clean up oil and hazardous substance spills and provides assistance to other outside agencies when required. The ISCP must be implemented whenever one of the following conditions occur:

1. A reportable quantity is released.

2. An oil spill has reached or has the potential to reach waters of the United States of America.

3. There is any doubt to the seriousness of a hazardous materials incident.

In general, the following information will be included as part of the requirements for the ISCP:

1. Provisions specifying the responsibilities, duties, procedures and resources to be used to contain and clean up spills.

2. A description of immediate response actions that should be taken when a spill is first discovered.

3. Names, responsibilities and duties of the Facility Response Team.

4. Procedures for the Facility Response Team to follow for alert and mobilization.

5. A current list of persons and alternates to contact in the event of a spill.

6. Surveillance procedures for early detection of spills.

7. Identification of specific actions to take in the event of a spill.

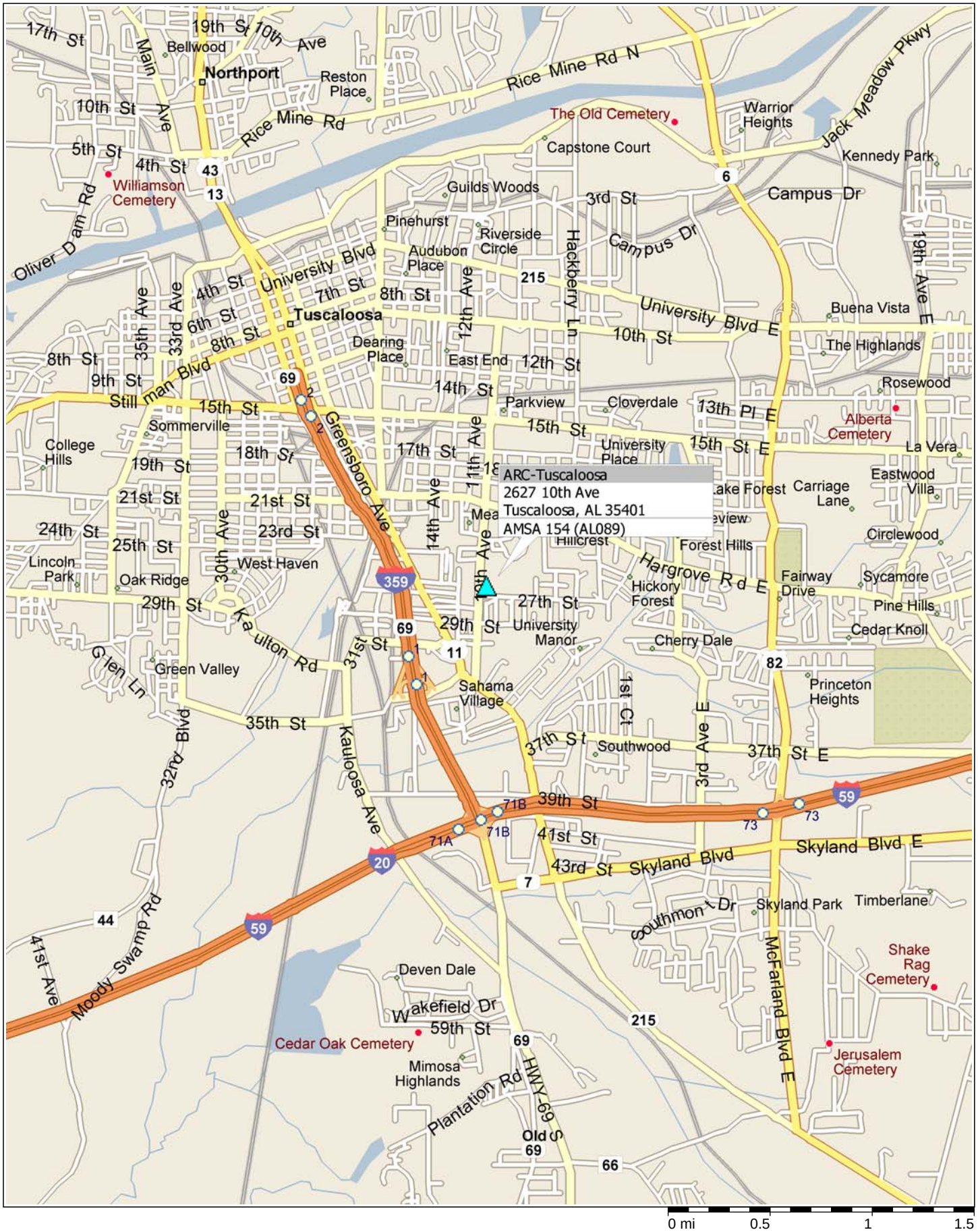
8. Procedures for reporting a spill.

9. A description of safety precautions for known hazardous substances.

10. Recommendations for public affairs.

Tuscaloosa AMSA Location Map

Fig. 1-0



Copyright © 1988-2003 Microsoft Corp. and/or its suppliers. All rights reserved. http://www.microsoft.com/mappoint
© Copyright 2002 by Geographic Data Technology, Inc. All rights reserved. © 2002 Navigation Technologies. All rights reserved. This data includes information taken with permission from Canadian authorities © 1991-2002 Government of Canada (Statistics Canada and/or Geomatics Canada), all rights reserved.

2.0 FACILITY OVERVIEW

2.1 Name and Location

Tuscaloosa US Army Reserve AMSA (AL089)
2627 10th Avenue North
Tuscaloosa, AL 35402

2.2 Date of Initial Operation

The facility was constructed in 1958 and has received several renovations. Renovations to the facility include a vehicle washrack facility and an oil/water separator.

2.3 Operation and Activities

The facility is home to numerous United States Army Reserve (USAR) units and includes an AMSA shop, a Waste POL Storage Shed and a HAZMAT Storage Locker. The operations performed at the AMSA include vehicle maintenance and storage of petroleum oil lubricants and hazardous materials (i.e., antifreeze, paint products, etc.). The AMSA also provides support to numerous reserve units in the region. Materials are stored in the shop, a Battery Room, a POL Storage Room, a Flammable Materials Storage Room, a Waste POL Storage Shed and a HAZMAT Storage Locker.

2.4 Geographical/Topographical Description

The facility is located in the central section of Tuscaloosa County, north of Interstate 20, east of State Road 11 on 10th Avenue. The facility site generally drains east to an unnamed drainage ditch that routes flow to the municipal stormwater system.

Figure 1-0 shows the site location of the facility

.

3.0 POTENTIAL SPILL SOURCES

The Motorpool Sergeant/AMSA Supervisor will attach the most current product inventories to Appendix E of this plan when it is received. It is understood that products and quantities could vary on a daily basis. Figure 3-1 shows a schematic layout of potential spill areas along with direction of flow paths. Figure 3-2 shows the shop layout.

3.1 Area Maintenance Support Activity (AMSA)

Petroleum, oils, lubricants, gasoline, transmission fluid, brake fluid, and antifreeze are used in the three (3) bay shop on a daily basis. Most materials are stored in the POL Storage Room, Flammable Storage Room and the Battery Room. A parts-washing vat, oil filter press and a spill supply cabinet are also located in the shop. Adequate spill supplies are located throughout the shop. An inventory of the products in the shop is located in Appendix E.

3.2 Battery Room

The room is used primarily for charging batteries and storage of new and used batteries. A small amount of acid is stored in the room. The floor drain is apparently has an integrated acid neutralizing pit but it is not documented. The room provides adequate protective measures and spill supplies are readily available in the room. An inventory of the products in the Battery Room is located in Appendix E.

3.3 Flammable Materials Storage Room

Potential spills should be contained within the room and spill response supplies are readily available. Inventory for materials stored in this area are found in Appendix E.

3.4 POL Storage Room

Potential spills should be contained within the room and spill response supplies are readily available. Inventory for materials stored in this area are found in Appendix E.

3.5 Waste POL Storage Shed

The Waste POL Storage Shed is a curbed and covered shed located in the southeast corner of the MEP. The used oil storage tank is located in this shed. The shed is bermed to provide secondary containment in case of a spill and spill response supplies were not readily available. Inventory for materials stored in this area are located in Appendix E.

3.6 HAZMAT Storage Locker

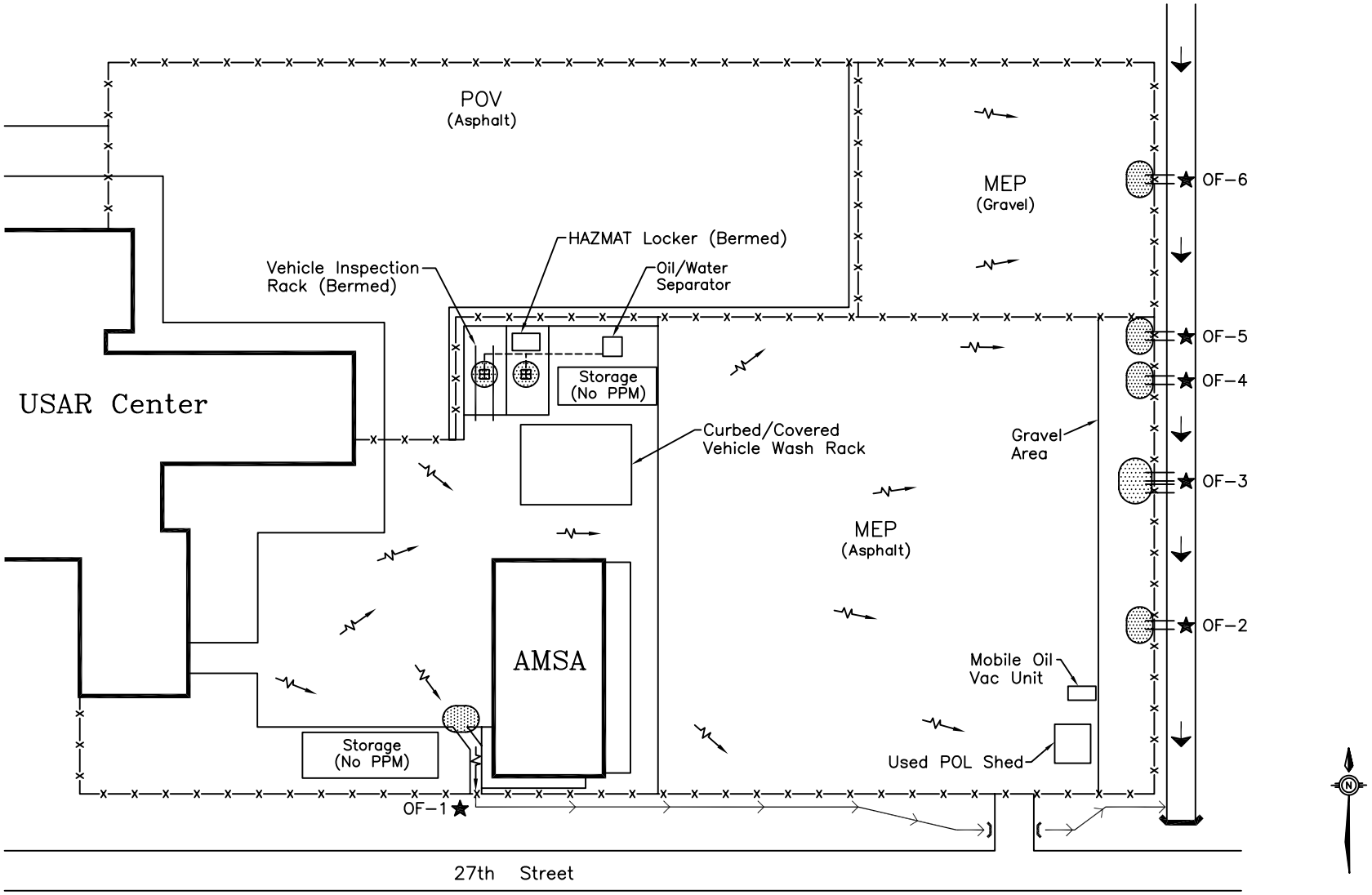
The HAZMAT Storage Locker is located on the north side of the shop and is inside of a bermed area with a drain that is routed to the oil/water separator. Drums of waste paint, waste solvent and used antifreeze are located in the locker. The locker has a containment compartment located below the open grate floor to collect potential spills. The locker provides adequate spill protection and spill supplies are readily available. Inventory for materials stored in this area are located in Appendix E.

3.7 Military Equipment Parking (MEP)

The asphalt MEP area contains various size military vehicles either staged or awaiting service. Spills could occur from leaks on these vehicles. Spills would be small in nature (< 5 gallons) although a larger leak could occur if a vehicular system failed completely. Vehicle drip pans/pads were in use but spill response supplies were not readily available for use. The area is asphalt, which will provide some protection in the event of a spill. The curbed and covered vehicle washrack is located just to the north side of the shop and is connected to an oil/water separator that discharges into the sanitary sewer system.

3.8 Mobile Oil Vacuum Unit (MOVU)

The MOVU is a new portable, trailer-mounted unit that is used for fluid changes and is currently located in the MEP on the east side of the shop, adjacent to the Waste POL Storage Shed. It consists of six tanks used for new and used POL during fluid changes. The unit is currently empty and not in use, awaiting a bermed, covered storage area to be constructed.



LEGEND

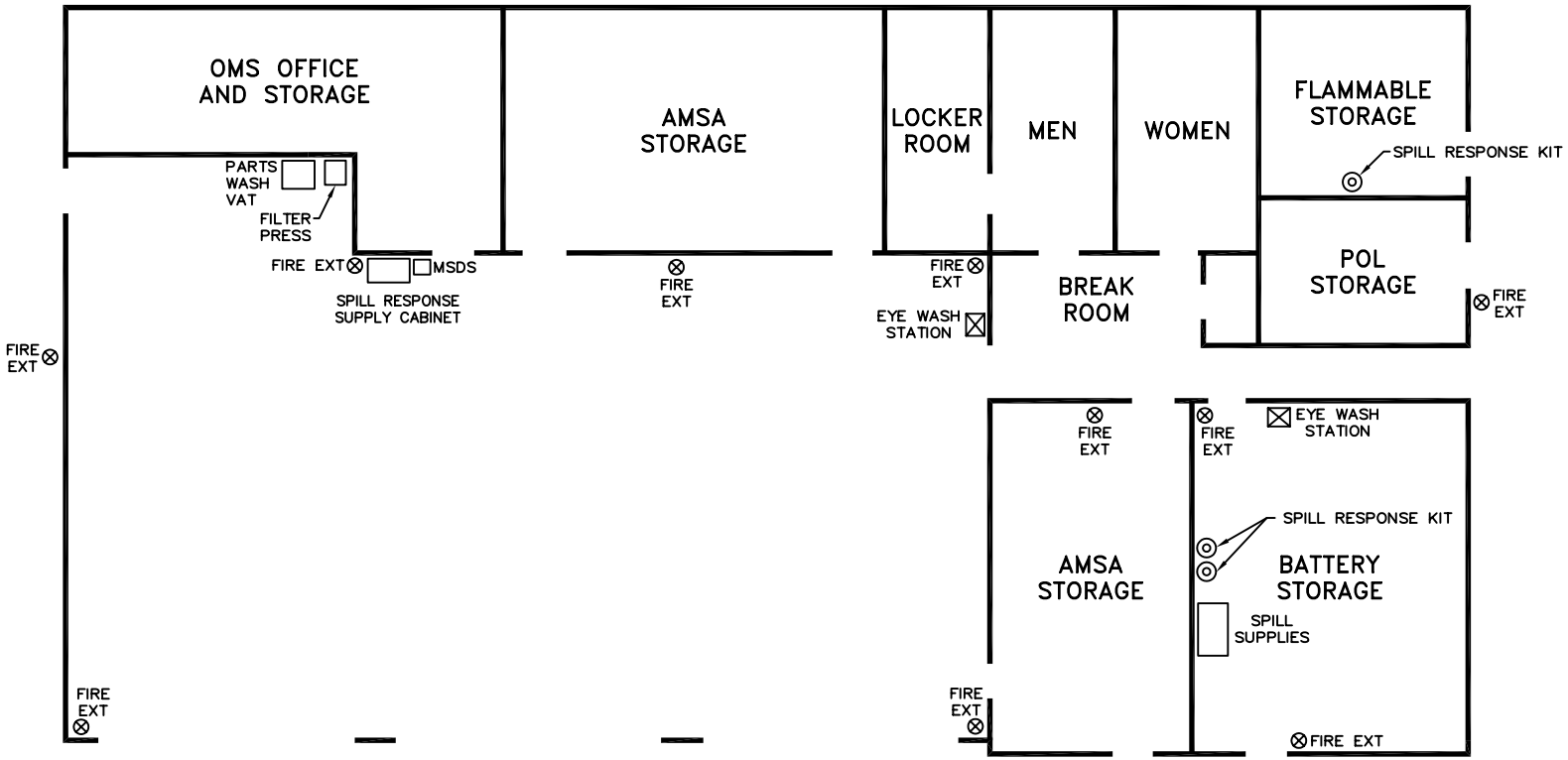
- Areas to be Protected in the Event of a Spill
- Stormwater Run-off
- Security Fence
- Drain
- Headwall
- Grassy Swale
- Drainage Ditch
- Building
- Unregulated Outfall

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

FIGURE 3.1
US ARMY RESERVE CENTER (AL089)
SPCCP – AMSA
TUSCALOOSA, AL

DATE	PREPARED BY:	DRAWN BY:	REV
08-29-05	M. MOLTZEN	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	SPCCP_AMSA_TUSCALOOSA_AL	1 OF 1



ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

FIGURE 3.2
US ARMY RESERVE CENTER (AL089)
AMSA FLOOR PLAN
TUSCALOOSA, AL

DATE	PREPARED BY:	DRAWN BY:	REV
08-27-05	M. MOLTZEN	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	AMSA_FLOOR PLAN_TUSCALOOSA_AL	1 OF 1

4.0 FACILITY DEFICIENCIES

4.1 AMSA

No deficiencies were noted. Spill response supplies are readily available throughout the shop.

4.2 Battery Room

No deficiencies noted. The battery room has sufficient spill protection equipment and controls in the event of a spill.

4.3 Flammable Materials Storage Room

No deficiencies noted. The flammable material storage room has sufficient spill protection equipment and controls in the event of a spill.

4.4 POL Storage Room

No deficiencies noted. The flammable material storage room has sufficient spill protection equipment and controls in the event of a spill.

4.5 Waste POL Storage Shed

The shed is covered and curbed to provide secondary containment but spill supplies are not readily available. Corrective measures will be discussed in Section 5 of this report.

4.6 HAZMAT Storage Lockers

No deficiencies were noted. It appears the containment compartment located below the open grate floor for collection and storage of potential spills is designed properly and spill response supplies were readily available.

4.7 Military Equipment Parking

Spill response supplies were not readily available for use in case of a leak or spill. Corrective measures will be discussed in Section 5 of this report.

4.8 Mobile Oil Vacuum Unit (MOVU)

No deficiencies noted. Unit is not currently in use.

4.9 Spill Record Statement

At the time of the site visit, the facility had no record of any spills occurring within the past twelve months. It will be the responsibility of the Facility Environmental Action Coordinator to document any spills and attach the documentation to this plan on an annual basis. A sample spill report form is attached in Appendix D.

5.0 RECOMMENDED CORRECTIVE AND PREVENTIVE MEASURES

5.1 AMSA

The spill response supplies listed in Table 5-1 should be the minimum quantities required to be on hand at all times in the shop. At time of site visit, adequate quantities were on hand.

Table 5-1 Spill Control Items for Shop

Item	Unit	Size	Quantity
Absorbent Pads	Bundle	100	3
Absorbent Booms	Bundle	5 feet	3
Oil Absorbent	Bag	44 liters	5
Non-sparking Shovel	Each	-	1
Polyurethane Squeegee	Each	-	1
Overpack Drum	Each	30 gallons min.	2

In the event of a spill, if necessary, personnel should immediately use the spill control equipment to further contain a potential spill. **All emergency spill equipment should be readily obtainable and never be located in a secured area (i.e., locked cage or locked room).**

5.2 Waste POL Storage Shed

The spill response supplies listed in Table 5-2 (weather-proof spill kit) should be the minimum quantities required to be staged at all times in the Waste POL Shed. This will provide adequate spill supplies for the POL Shed and the MEP.

Table 5-2 Spill Control Items for POL Shed/MEP

Item	Unit	Size	Quantity
Absorbent Pads	Bundle	100	2
Absorbent Booms	Bundle	10 feet	5
Oil Absorbent	Bag	44 liters	2
Overpack Drum	Each	30 gallons min.	1

5.3 Military Equipment Parking

The corrective actions listed in Paragraph 5.2 above will provide adequate spill supplies for the MEP area.

5.4 Mobile Oil Vacuum Unit (MOVU)

When the covered and bermed storage area is constructed for the Mobile Oil Vac Unit, ensure adequate spill supplies (as listed in Table 5-2 above) are readily available.

5.5 Collection of Used Petroleum Oil Lubricants

Recommended procedures for the collection of used petroleum oil lubricants should be implemented as follows:

1. All services performed on unit vehicles and equipment should be conducted to ensure that used oil is prevented from being spilled. In the event of a spill, all sanitary and storm sewer systems should be protected so that the spill is prevented from entering and contaminating the sewer systems. When possible, servicing should be accomplished inside the shop bays where spill equipment is readily available and the shop floor offers some protection. The spill should be immediately collected for proper disposal.

2. Collect used oil in approved containers after vehicle services are performed. The used oil should be disposed of in the appropriate double-walled tank marked "used oil" by trained shop personnel as soon as possible.

3. All containers used for oil collection should be clearly marked and properly stored in a contained area to prevent potential residues/spills from migrating to a larger area.

4. Once the Used Oil Tank is filled to 75% capacity, the motor pool sergeant, shop foreman or responsible person should contact the 81st RRC environmental section for proper disposal.

6.0 PROCEDURES TO IMPLEMENT PLAN IN EVENT OF SPILL

The purpose of this chapter is to outline procedures to implement in the event of a spill. It includes responsibilities of key personnel, procedures for normal duty hours, provisions for off-duty office hours, planning measures prior to all exercises, outside agencies contact phone numbers, public relations information, and communications.

6.1 Responsibilities of Key Personnel

Unit Commanders - Unit Commanders at all levels should ensure that the provisions of this plan are properly implemented. They should ensure that Environmental Action Coordinators are appointed on orders and that all unit personnel are briefed on the procedures of this plan. In the event of a spill requiring resources beyond those of the unit, unit Commanders should arrange for appropriate assistance from other units located at the facility, the unit's higher headquarters, and the 81st RRC Environmental Action Coordinator.

Facility Manager - The Facility Manager is responsible for coordinating the implementation of this plan. This includes monitoring potential sources of spill, performing facility clean-up operations that their local organizations can safely and adequately handle. The Facility Manager must identify and locate spill equipment and other resources that are available for the prevention, containment and clean up of spills.

Unit Environmental Action Coordinator - The unit Environmental Action Coordinator should coordinate with the Facility Manager, higher headquarters and the 81st RRC Environmental Action Coordinator in identifying and monitoring potential spill hazards and maintaining Material Safety Data Sheets, as required. The unit Environmental Action Coordinator should coordinate with higher headquarters to identify and locate required clean-up equipment and other resources and maintain continuous liaison with subordinate units and other units within the command regarding spill contingency efforts and related environmental issues. Appendix B – Emergency and Spill Response Action List includes points of contact for each unit. The appointed unit Environmental Action Coordinator should be responsible for updating the list (Appendix B) as personnel changes occur within the unit. The updated form should be submitted to the 81st RRC Environmental Action Coordinator.

81st Regional Readiness Command Environmental Action Coordinator - The 81st RRC Environmental Action Coordinator should work with the Facility Manager to properly implement this plan. He should assist the Facility Manager in identifying, monitoring and eliminating potential spill hazards. In the event of a spill, it will be the responsibility of the 81st RRC Environmental Action Coordinator to contact the appropriate outside agencies as listed in Appendix B – Emergency and Spill Response Action List.

Facility Spill Prevention Control and Countermeasures Point of Contact - The Facility Spill Prevention Control and Countermeasures Point of Contact should ensure that this plan is maintained and is current with applicable regulatory guidelines.

Facility Environmental Action Coordinator - The Facility Environmental Action Coordinator should work with Facility Manager in order to implement this plan. The Facility Environmental Action Coordinator should ensure that the facility is maintained and operated properly to prevent potential spills and that corrective measures are implemented expediently in the event of a spill.

6.2 Implementation of the SPCC Plan

The plan must be implemented should one or more of the following criteria occur:

1. Petroleum/Oil/Lubricant (POL) spill enters a sanitary or storm sewer system.

2. POL spill which causes a sheen on waters of the United States of America.

3. POL spill greater than 25 gallons.

4. POL spill less than or equal to 25 gallons not cleaned up within 24 hours will become a reportable spill.

5. Toxic/hazardous substance spill in any quantity.

In the event of a spill, personnel at the location of the spill should take immediate measures to control and contain the spill and reduce fire and health hazards. Personnel safety will remain the first priority. Depending upon the nature of the spill and the hazardous or toxic materials involved, the senior person on the scene should ensure safety protection of personnel while undertaking containment measures.

6.3 SPCC Procedures for Normal Duty Office Hours (Mon. - Fri.; 7:30 a.m. - 4:00 p.m.)

In the event of a spill, the following procedures should be implemented (as shown in Figure 6-1):

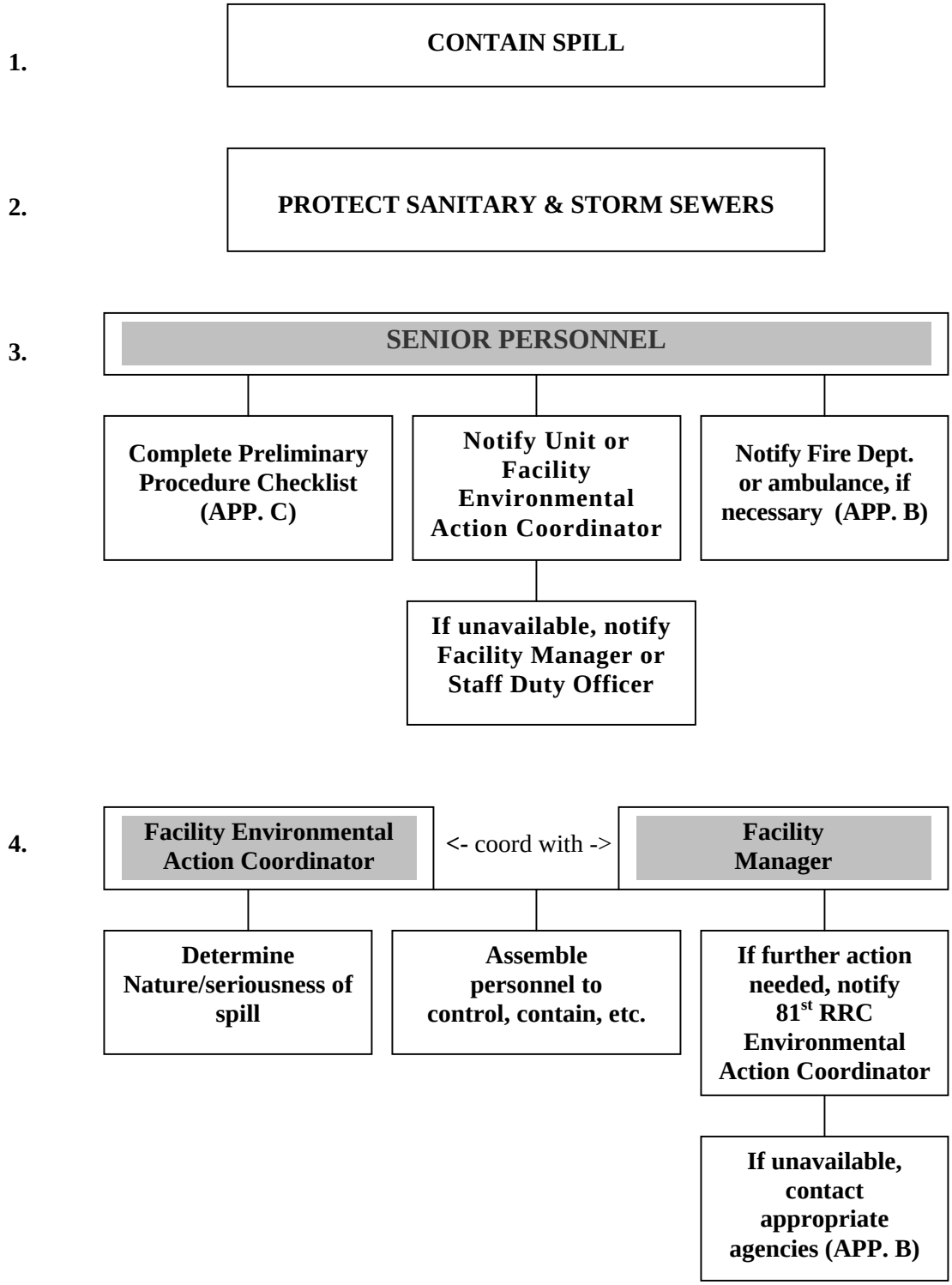
1. Contain the spill as best possible with readily available means to prevent the spill from migrating to a larger area. Control devices such as spill control booms and absorbent material should be used. Personnel safety will remain first priority.

2. Assure that all sanitary and storm sewer systems are protected so that the spill is prevented from entering and contaminating the systems. As stated earlier, control devices such as spill control booms and absorbent material should be used.

3. Senior personnel in charge at the spill site should prepare the Preliminary Alert Procedure Checklist attached in Appendix C and immediately notify the Unit Environmental Action Coordinator and/or Facility Environmental Action Coordinator. The senior personnel should notify the Facility Manager and/or Staff Duty Officer in the event of the unavailability of either Environmental Action Coordinator. The senior person on the scene should immediately notify the fire department and/or ambulance service if it is necessary. Emergency telephone numbers are included in the Emergency and Spill Response Action List attached in Appendix B.

4. The Facility Environmental Action Coordinator should coordinate with the Facility Manager and determine the nature and seriousness of the spill. The Facility Environmental Action Coordinator should assemble a facility response team to further control, contain and take remedial action of the spill. Should outside agencies be required to be contacted to further control the spill, the Facility Environmental Action Coordinator and/or the Facility Manager should notify the 81st RRC Environmental Action Coordinator for further instructions. In the event of the unavailability of the 81st RRC Environmental Action Coordinator, the Facility Environmental Action Coordinator and/or Facility Manager should contact the appropriate outside agencies. Emergency telephone numbers are included in the Emergency and Spill Response Action List attached in Appendix B.

Figure 6-1 SPCCP Procedures for Normal Duty Office Hours



6.4 SPCC Procedures for Off-Duty Office Hours

In the event of a spill, the following procedures should be implemented (as shown in Figure 6-2):

1. Contain the spill as best possible with readily available means to prevent the spill from migrating to a larger area. Control devices such as spill control booms and absorbent material should be used. Personnel safety will remain first priority.

2. Assure that all sanitary and storm sewer systems are protected so that the spill is prevented from entering and contaminating the systems. As stated earlier, control devices such as spill control booms and absorbent material should be used.

3. Senior personnel in charge at the spill site should prepare the Preliminary Alert Procedure Checklist attached in Appendix C and immediately notify the Unit Environmental Action Coordinator and/or Facility Environmental Action Coordinator. The senior personnel should notify the Facility Manager and/or Staff Duty Officer in the event of the unavailability of either Environmental Action Coordinator. The senior person on the scene should immediately notify the fire department and/or ambulance service if it is necessary. Emergency telephone numbers are included in the Emergency and Spill Response Action List attached in Appendix B.

4. The Unit or Facility Environmental Action Coordinator should coordinate with the Staff Duty Officer and determine the nature and seriousness of the spill. The Unit/Facility Environmental Action Coordinator should assemble personnel to further control, contain and take remedial action of the spill. Should outside agencies be required to be contacted to further control the spill, the Unit Environmental Action Coordinator and/or the Staff Duty Officer should notify the 81st RRC Environmental Action Coordinator for further instructions. In the event of the unavailability of the 81st RRC Environmental Action Coordinator, the Unit Environmental Action Coordinator and/or the Staff Duty Officer should contact the appropriate outside agencies. Emergency telephone numbers are included in the Emergency and Spill Response Action List attached in Appendix B.

6.5 Plan Prior to All Exercises

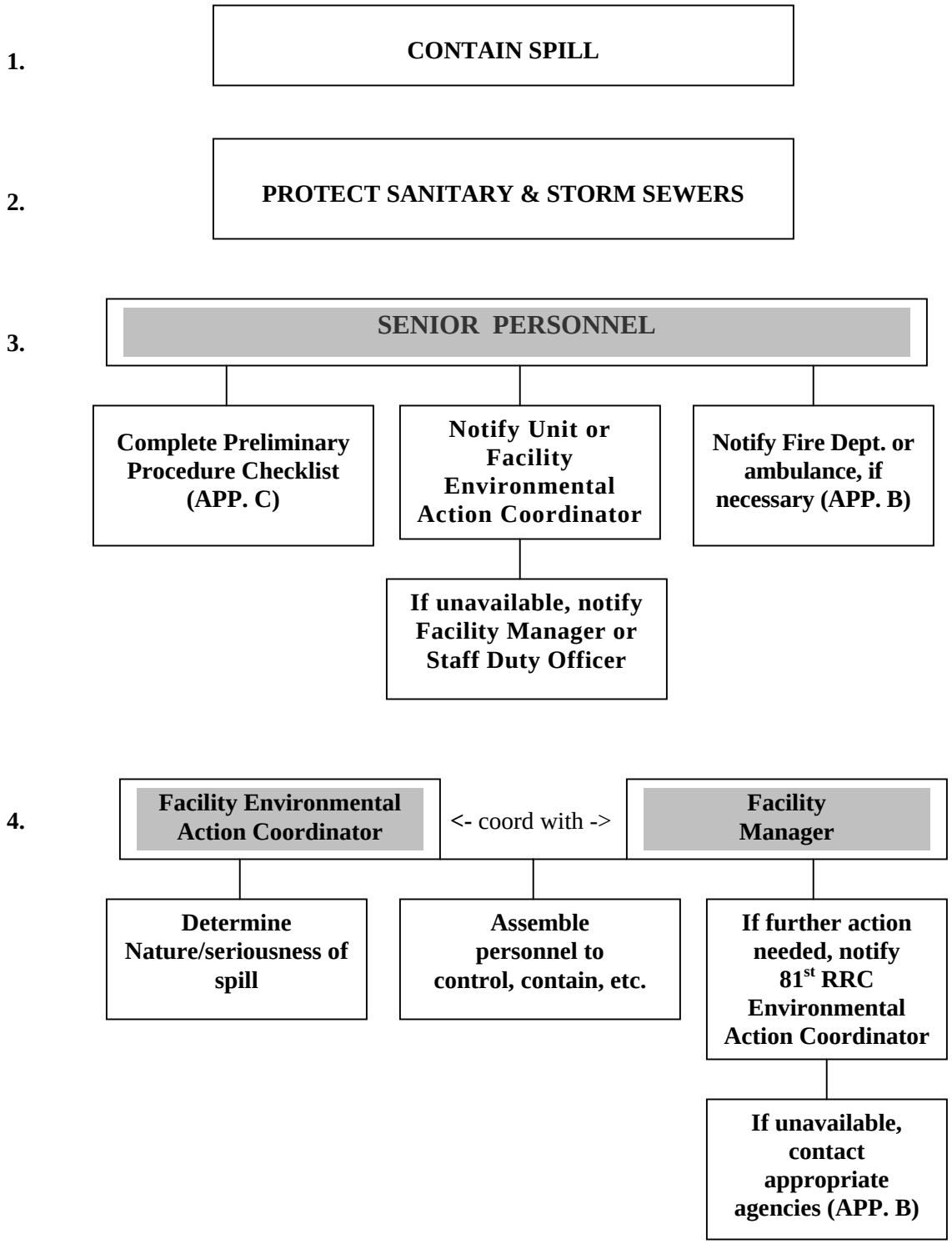
Prior to all exercises, the unit Commander and the Environmental Action Coordinator should determine a practical method for spill control in the field. Actions to be implemented should be as follows:

1. Identify the agency assigned responsibility for field clean up and the resource requirements for spill control. In the event of the unavailability of spill control equipment, requisition and obtain equipment prior to all exercises.

2. Prepare a list of names and telephone numbers of key personnel and the type and location of spill contingency equipment. This information should be annotated in the service support sections of all operations orders, Standard Operation Procedures and/or Letters of Instructions.

3. All personnel will be briefed on the scope of all exercises and the requirements of the spill contingency plan and the location(s) of spill contingency equipment. This briefing will include all individuals participating in the field exercise.

Figure 6-2 SPCCP Procedures for Off Duty Office Hours



6.6 Outside Agencies to Contact

The Environmental Action Coordinator, Facility Manager and/or Staff Duty Officer in coordination with the next higher headquarters and/or 81st RRC Environmental Action Coordinator, will determine additional personnel to be notified. The senior person on-site will base the need for outside agency notification on the size of the spill, severity of health hazard, potential for environmental damage and available spill containment resources. Appropriate outside agencies to contact include the following:

C. Outside Emergency Agencies

1. Fire Department	Dial 911
2. Police Department	Dial 911
3. Ambulance	Dial 911

It will be the responsibility of the 81st RRC Environmental Action Coordinator to contact the following agencies if required:

1. EPA National Response Center, NRC
   1-800-424-8802

2. U.S. Army Environmental Center
   1-410-436-4714/1265

3. Alabama Department of Environmental Management
   1400 Coliseum Blvd.
   Montgomery, AL 40601
   (334) 271-7700

4. Chemical Transportation Emergency Center, CHEMTREC
   1-800-424-9300

6.7 Public Relations

Should a spill occur at the facility, the following procedures for public relations should be implemented:

1. Immediately following a spill, the ranking unit officer at the scene should contact his commander.

2. As soon as possible after a spill, a single unit Public Relations officer should be designated in conjunction with the next higher headquarters.

3. Detailed statements issued regarding a major spill should be cleared by the Staff Judge Advocate of the major headquarters.

4. No statements should be made containing any of the following, unless cleared by higher headquarters:

a. Speculation concerning liability for the spill or its legal consequences.

b. Speculation regarding the cause of the spill.

c. Estimates of damages expressed in dollars.

d. Estimates of how long cleanup will take or of cleanup costs.

e. Promises that environmental quality or anything else will be restored to previous conditions.

f. Opinions concerning the appropriateness of government response to the spill.

6.8 Establishment of a Communications Center

Immediately following the notification process and assembly for contingency responsibilities, it is recommended to establish a communications center as follows:

1. Establish direct communications to the spill site.

2. Establish central location to assemble and brief additional personnel for clean up and/or containment operations.

3. Locate an area away from spill containment work where briefings to press, local government, and/or military personnel can be issued.

4. The Unit Commander or Environmental Action Coordinator should coordinate these activities with personnel or request augmentation as required.

7.0 RECOMMENDED TRAINING REVIEW REQUIREMENTS

Federal and Army regulations require annual training for individuals working with petroleum, oils, lubricants, and other hazardous materials. Newly appointed individuals must receive appropriate training concerning the spill potential of these materials and the hazards associated with performing their duties. This plan should be reviewed by all personnel annually and can be combined with other mandatory hazardous communication or spill response training events. It will be the responsibility of the 81st Regional Readiness Command to provide periodic training updates to each unit.

It is recommended to conduct a simulated "mock" spill event and implement the procedures in the SPCCP as if a spill actually occurred. A "mock" spill event should be simulated once a year during normal duty hours and once a year during off-duty hours for each unit.

8.0 APPROVAL AND CERTIFICATION

Professional Engineer Certification

I hereby certify that I have been the person responsible for overseeing the examination of the Facility. I am familiar with the provisions of federal regulations 40 CFR 110, 112, 116, 117 and 302, attest to the best of my knowledge that this SPCCP/ISCP was prepared in accordance with reasonable and prudent engineering practices and satisfies the current requirements of the aforementioned regulations.

Name and Title: Robert S. Bell Staff Engineer

Signature: RBell

Registration No: 7441

State: SC

Date: 8/23/05

APPENDIX A

IMMEDIATE CORRECTIVE ACTIONS

IMMEDIATE CORRECTIVE ACTIONS TO IMPLEMENT THE SPCC PLAN IN EVENT OF SPILL

The following is a list of corrective measures and actions to immediately implement in the event of a spill:

1. Contain the spill as best possible with readily available means to prevent the spill from migrating to a larger area. Control devices such as spill control booms and absorbent material should be used. Personnel safety will remain first priority.

2. Assure that all sanitary and storm sewer systems are protected so that the spill is prevented from entering and contaminating the systems. As stated earlier, control devices such as spill control booms and absorbent material should be used.

3. Senior personnel in charge at the spill site should prepare the Preliminary Alert Procedure Checklist attached in Appendix C and immediately notify the Unit Environmental Action Coordinator and/or Facility Environmental Action Coordinator. The senior personnel should notify the Facility Manager and/or Staff Duty Officer in the event of the unavailability of either Environmental Action Coordinator. The senior person on the scene should immediately notify the fire department and/or ambulance service if it is necessary. Emergency telephone numbers are included in the Emergency and Spill Response Action List attached in Appendix B.

4. Await further instructions from the Environmental Action Coordinators.

APPENDIX B

EMERGENCY AND SPILL RESPONSE ACTION LIST

EMERGENCY AND SPILL RESPONSE ACTION LIST

A. Points of Contact

(Pen and ink changes can be made to this list as required for updating purposes until plan is revised)

1. Unit in Operational Charge

81st Regional Readiness Command
255 West Oxmoor Road
Birmingham, AL 35209
(205) 912-6957

2. Facility Manager

Sherman Johnson
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 750-2562

Mark Mitchell (Alternate)
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 752-2269

3. Facility Environmental Action Coordinator

Sherman Johnson
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 750-2562

Mark Mitchell (Alternate)
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 752-2269

4. 81st RRC Environmental Action Coordinator

Scott Gardener
81st RRC
634 County Road 2210
Troy, AL, 36079
(334) 324-0710

Steven Francis (Alternate)
81st RRC Chief, Env. Division
255 West Oxmoor Road
Birmingham, AL, 35209-6383
(205) 912-6957

5. Facility Spill Prevention Control and Countermeasure Point of Contact

Sherman Johnson
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 750-2562

Mark Mitchell (Alternate)
USAR AMSA 154
2627 10th Avenue
Tuscaloosa, AL 35401-6699
(205) 752-2269

EMERGENCY AND SPILL RESPONSE ACTION LIST (Cont.)

B. Individual Units Points of Contacts
(To be provided and updated by each individual unit)

1. Unit:

2. Unit Coordinator:

Name:

Rank:

Phone:

3. Second in Command

Name:

Rank:

Phone:

4. Unit Environmental Action Coordinator

Name:

Rank:

Phone:

5. Staff Duty Officer

Name:

Rank:

Phone:

EMERGENCY AND SPILL RESPONSE
ACTION LIST (Cont.)

C. Outside Emergency Agencies

1. Fire Department	Dial 911
2. Police Department	Dial 911
3. Ambulance	Dial 911

It will be the responsibility of the 81st RRC Environmental Action Coordinator to contact the following agencies if required:

1. EPA National Response Center, NRC
   1-800-424-8802

2. U.S. Army Environmental Center
   1-410-436-4714/1265

3. Alabama Department of Environmental Management
   1400 Coliseum Blvd.
   Montgomery, AL 40601
   (334) 271-7700

4. Chemical Transportation Emergency Center, CHEMTREC
   1-800-424-9300

APPENDIX C

PRELIMINARY ALERT PROCEDURE CHECKLIST

PRELIMINARY ALERT PROCEDURE CHECKLIST

1. Date and time spill occurred or was first discovered.

_____

_____

2. Where spill occurred and direction of movement.

_____

_____

3. Type of material spilled.

_____

_____

_____

4. Estimate of amount spilled or rate of release, if continuing.

_____

_____

5. Environmental conditions - such as wind direction and speed, precipitation, temperature, water action and currents, etc.

_____

_____

_____

6. If from barges or vessels, name of craft, registry, owner or consignee, deadweight tonnage, and draft.

_____

_____

_____

_____

7. Description of areas likely to be affected - such as riverbanks, beaches, properties, wildlife areas, streams, sewer drains, etc.

_____

_____

_____

8. Cause of spill, if determined.

_____

_____

_____

PRELIMINARY ALERT PROCEDURE CHECKLIST (Cont.)

9. Action being taken to combat spill, if any.

_____

_____

_____

10. Agencies or persons already notified.

_____

_____

_____

_____

_____

_____

Name: _____

Rank: _____

Date: _____

APPENDIX D

SPILL REPORT FORM

SPILL REPORT FORM

*DATE AND TIME OF SPILL:*_____

*NAME OF PERSON MAKING REPORT:*_____

*TELEPHONE NUMBER:*_____

*NAME OF FACILITY:*_____

*LOCATION OF FACILITY:*_____

MAILING ADDRESS OF FACILITY: _____

LOCATION OF SPILL: _____

NEAREST BODY OF WATER: _____

CAUSE AND SOURCE OF INCIDENT: _____

*INJURIES OR PROPERTY DAMAGE:*_____

PRODUCT, QUANTITY AND DURATION OF DISCHARGE: _____

ACTION TAKEN AND/OR PLANNED: _____

*Environmental Manager:*_____ *Date*_____
(Signature)

*Environmental Coordinator:*_____ *Date:*_____
(Signature)

(FAX ONE COPY TO 81st RRC; FILE ONE COPY AT CENTER)

APPENDIX E

PPM INVENTORIES

MOST RECENT PPM INVENTORIES

When this plan is first received, the AMSA Supervisor, Motor Pool Sergeant or other responsible person shall insert the most current PPM inventory for the areas listed in Appendix E of this plan.

Each time the inventories are updated, remove the out of date inventory and insert the most current inventory into this plan.

AMSA

INSERT CURRENT PPM INVENTORY HERE

INCLUDING ALL FLAMMABLE STORAGE
AND CORROSIVE STORAGE CABINETS

BATTERY ROOM

INSERT CURRENT PPM INVENTORY HERE

(IF APPLICABLE)

FLAMMABLE MATERIAL STORAGE ROOM

INSERT CURRENT PPM INVENTORY HERE

POL STORAGE ROOM

INSERT CURRENT PPM INVENTORY HERE

WASTE POL STORAGE SHED

INSERT CURRENT PPM INVENTORY HERE

(IF APPLICABLE)

HAZMAT STORAGE LOCKER

INSERT CURRENT PPM INVENTORY HERE

SOIL SAMPLING REPORT

UNITED STATES ARMY RESERVE CENTER
TUSCALOOSA, ALABAMA

(AL089)

Prepared for:

UNITED STATES ARMY RESERVE
81st REGIONAL READINESS COMMAND
BIRMINGHAM, ALABAMA

Prepared by:

ENVIRONMENTAL ENTERPRISE GROUP, INC.
10179 HIGHWAY 78
LADSON, SOUTH CAROLINA
29456

JUNE 2006

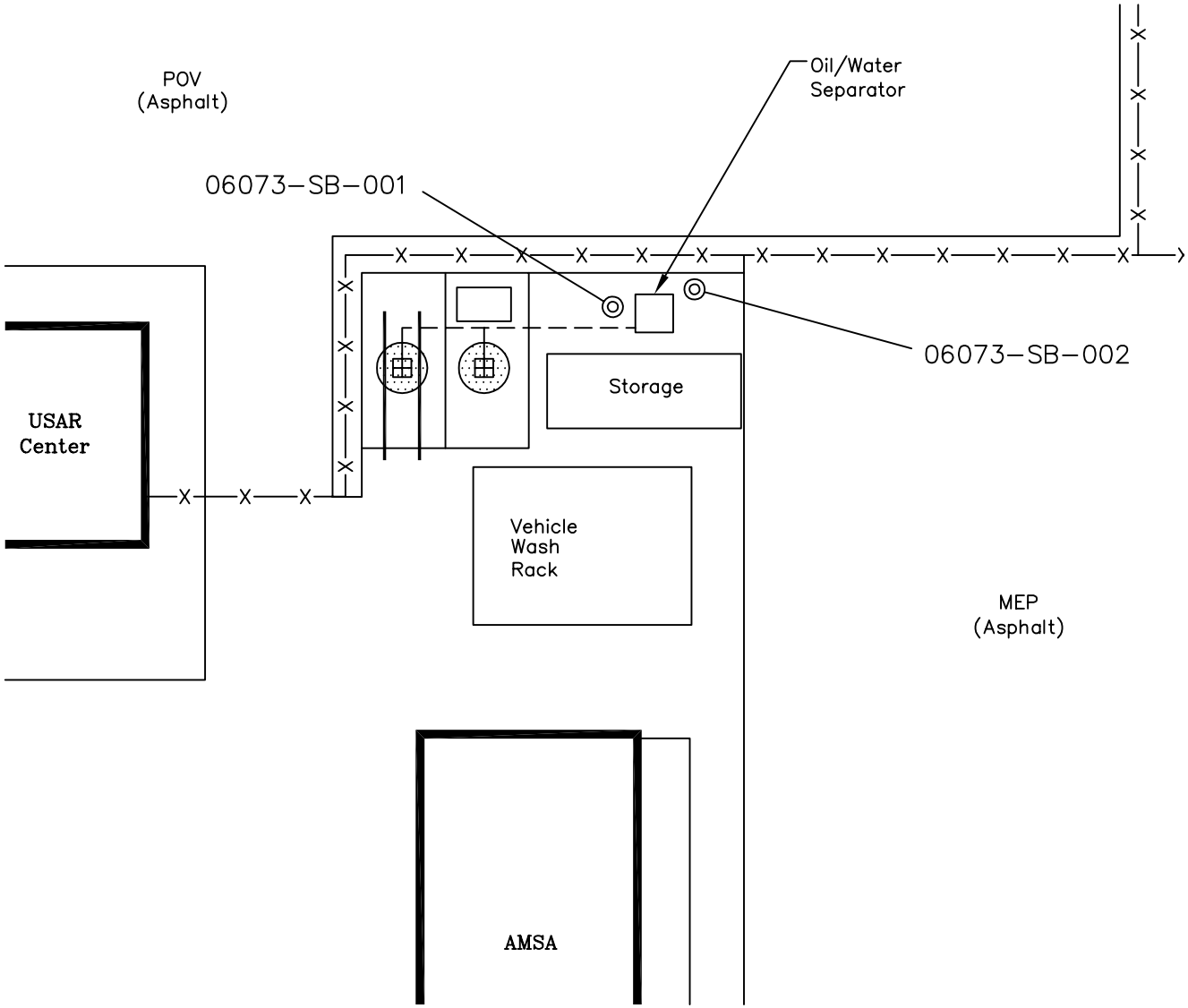
US ARMY RESERVE CENTER - TUSCALOOSA, AL
SOIL SAMPLING REPORT

Environmental Enterprise Group, Inc. was requested by the 81st Regional Readiness Command to take soil samples at the Army Reserve Center located in Tuscaloosa, Alabama. These samples are for informational purposes to determine presence or absence of soil contaminants. Samples were to be analyzed for the presence of hydrocarbons (Hexane Extractable Material) at the existing oil/water separator located near the vehicle wash rack. Soil bores were marked on the west side and the east side of the oil water separator. Samples were taken at various depths for comparable data.

Weather was warm and humid with an approximate temperature of 85 degrees. Soil bore 001 was located approximately 8 feet west of the oil water separator and was sampled at 3, 5, and 7-foot depths. Soil bore 002 was located approximately 8 feet east of the oil/ water separator and sampled at 3, 5, and 6-foot depths. The water table was reached at 6-7 feet depth, which prevented deeper sampling.

Readings were found in at the 7-foot sample of soil bore 001 and at the 3- foot sample of soil bore 002. Due to the high clay content of the location, the soil permeability should be very low. This could have prevented a possible spill incident from escaping to the water table and may explain the high readings in the top 3 feet of soil bore 002.

Figure 1 shows the soil sample locations and Appendix 1 of this report contains the laboratory results.



LEGEND

SAMPLE NUMBER 06073–SB–XXX

SAMPLE LOCATION ——◎

Environmental Enterprise Group, Inc. **10179 Hwy 78** **Ladson SC 29456** **(843) 879-0400**	**FIGURE 1** **US ARMY RESERVE CENTER** **TUSCALOOSA, AL** **OIL/WATER SEPARATOR** **SOIL SAMPLES**	
SCALE: NTS	**DWG DATE:** 23JUNE06	**DWG NAME:** AMSA_TUSCALOOSA_AL

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 22, 2006

Client: EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456
Attn: Rick Albers

Work Order: NPF2370
Project Name: EEG - Env. Enterprise Group
Project Nbr: 06073
P/O Nbr:
Date Received: 06/16/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
06073-SB001-001	NPF2370-01	06/15/06 08:46
06073-SB001-002	NPF2370-02	06/15/06 09:05
06073-SB001-003	NPF2370-03	06/15/06 09:20
06073-SB002-001	NPF2370-04	06/15/06 09:40
06073-SB002-002	NPF2370-05	06/15/06 09:55
06073-SB002-003	NPF2370-06	06/15/06 10:10

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Roxanne L. Connor

Roxanne Connor
Senior Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF2370-01 (06073-SB001-001 - Soil) Sampled: 06/15/06 08:46								
General Chemistry Parameters								
Oil & Grease (non-polar)	ND		mg/kg	49.8	1	06/22/06 07:51	SW846 9071B	6064012
Sample ID: NPF2370-02 (06073-SB001-002 - Soil) Sampled: 06/15/06 09:05								
General Chemistry Parameters								
Oil & Grease (non-polar)	ND		mg/kg	49.7	1	06/22/06 07:51	SW846 9071B	6064012
Sample ID: NPF2370-03 (06073-SB001-003 - Soil) Sampled: 06/15/06 09:20								
General Chemistry Parameters								
Oil & Grease (non-polar)	**80.0**		mg/kg	50.0	1	06/22/06 07:51	SW846 9071B	6064012
Sample ID: NPF2370-04 (06073-SB002-001 - Soil) Sampled: 06/15/06 09:40								
General Chemistry Parameters								
Oil & Grease (non-polar)	**130**		mg/kg	50.0	1	06/22/06 07:51	SW846 9071B	6064012
Sample ID: NPF2370-05 (06073-SB002-002 - Soil) Sampled: 06/15/06 09:55								
General Chemistry Parameters								
Oil & Grease (non-polar)	ND		mg/kg	49.2	1	06/22/06 07:51	SW846 9071B	6064012
Sample ID: NPF2370-06 (06073-SB002-003 - Soil) Sampled: 06/15/06 10:10								
General Chemistry Parameters								
Oil & Grease (non-polar)	ND		mg/kg	49.9	1	06/22/06 07:51	SW846 9071B	6064012

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
General Chemistry Parameters							
SW846 9071B	6064012	NPF2370-01	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil
SW846 9071B	6064012	NPF2370-02	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil
SW846 9071B	6064012	NPF2370-03	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil
SW846 9071B	6064012	NPF2370-04	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil
SW846 9071B	6064012	NPF2370-05	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil
SW846 9071B	6064012	NPF2370-06	10.00	1.00	06/21/06 10:00	BAD	EPA 9071B-Soil

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6064012-BLK1						
Oil & Grease (non-polar)	<44.0		mg/kg	6064012	6064012-BLK1	06/22/06 07:51

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6064012-DUP1									
Oil & Grease (non-polar)	890	357	R3	mg/kg	85	50	6064012	NPF2717-01	06/22/06 07:51

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6064012-BS1								
Oil & Grease (non-polar)	2000	1860		mg/kg	93%	70 - 130	6064012	06/22/06 07:51

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
6064012-MS1										
Oil & Grease (non-polar)	890	2430		mg/kg	2000	77%	38 - 149	6064012	NPF2717-01	06/22/06 07:51

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9071B	Soil	N/A	X	X

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPF2370
	10179 Highway 78	Project Name:	EEG - Env. Enterprise Group
	Ladson, SC 29456	Project Number:	06073
Attn	Rick Albers	Received:	06/16/06 08:00

DATA QUALIFIERS AND DEFINITIONS

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# NPF2370

Cooler Received/Opened On: 6/16/2006 8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 6069

FED-EX

Temperature of representative sample or temperature blank when opened: 4.4 Degrees Celsius
(indicate IR Gun ID#)

101507

3. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many and where: 3 Side
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... WJ

6. Were custody seals on containers: YES NO and Intact YES NO NA
   were these signed, and dated correctly?..... YES...NO...NA
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert Plastic bag Paper Other_____ None
8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
11. Did all container labels and tags agree with custody papers?..... YES...NO...NA
12. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... WJ

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA
    b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA
    If preservation in-house was needed, record standard ID of preservative used here_____
14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... WJ

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
17. Were correct containers used for the analysis requested?..... YES...NO...NA
18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... WJ

I certify that I attached a label with the unique LIMS number to each container (intial)..... WJ

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment
Cooler Receipt Form

LF-1
End of Form

Revised 3/9/06

TestAmerica INCORPORATED

NPF2370
06/30/06 23:59

Client Name: EEG
Client #: 2449
Address: 10179 Hwy 78
City/State/Zip Code: Ladson SC 29456
Project Manager: Robert Kelly
Telephone Number: 843 879-0432
Fax: 843 879-0401
Sampler Name: (Print Name) Robert Kelly
Sampler Signature:

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring

Project Name: 06073 Tuscaloosa, Al
Project #: 06073
Site/Location ID: Tuscaloosa
State: Al
Report To: Robert Kelly
Invoice To: EEG, Inc.
Quote #:
PO#:

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed:
Fax Results: (Y) N

Matrix: SL - Sludge DW - Drinking Water; GW - Groundwater S - Soil/Solid; WW - Wastewater Specify Other

Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)

Analyze For: TPH Oil + Grease

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other:

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	TPH Oil + Grease									REMARKS
06073-SB001-001	6/15/06	0846	G		S						X		X				N PF2370-01					SB001
06073-SB001-002		0905	G		S						X		X									SB001
06073-SB001-003		0920	G		S						X		X						2			SB001
06073-SB002-001		0940	G		S						X		X						3			SB001
06073-SB002-002		0955	G		S						X		X						4			SB002
06073-SB002-003		1010	G		S						X		X						5			SB002
																			6			SB002

Special Instructions:

Relinquished By:	Date: 6/15/06	Time: 11:00 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 6/16/06	Time: 8:16

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.4
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

LEAD-BASED PAINT
INSPECTION REPORT
UNITED STATES ARMY RESERVE CENTER
TUSCALOOSA, ALABAMA
(AL089)

Prepared for:

UNITED STATES ARMY RESERVE
81st REGIONAL READINESS COMMAND
BIRMINGHAM, ALABAMA

Prepared by:

ENVIRONMENTAL ENTERPRISE GROUP, INC.
10179 HIGHWAY 78
LADSON, SOUTH CAROLINA
29456

JUNE 2006

EXECUTIVE SUMMARY

The United States Army Reserve 81st RRC, retained the Environmental Enterprise Group, Inc (EEG) to perform a modified lead-based paint (LBP) survey of AL089 in Tuscaloosa, Alabama.

A lead inspector from EEG performed the survey using a Niton Model XL700 X-ray Fluorescence (XRF) analyzer (serial # 869) to measure the lead content of various painted surfaces throughout the building. The inspection was performed using modified guidelines of the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, June 1995 and 1997. The inspector visually examined the building and grouped similar components together for survey purposes. The inspector then selected a small number of the grouped components for survey to obtain a representative characteristic analysis of similar components throughout the building. The selected component surfaces that tested positive for lead are shown in Appendix A of this report. Dust and soil samples were not collected.

U.S. Environmental Protection Agency (EPA) and HUD guidelines specify a positive determination of lead in paint when the lead content is equal to or greater than 1.0 milligram of lead per square centimeter (mg/cm^2) using an XRF analyzer. These guidelines govern child occupied target housing and are only identified as guidance in this report. Therefore a negative classification does not necessarily mean the component is lead free. The Occupational Safety and Health Administration (OSHA) Lead in Construction Standard (29 CFR 1926.62) defines lead based paint as any detectable amount and guidelines must be followed for any activity which may bring a worker in contact with lead.

77 LBP readings and calibration checks were taken using the XRF analyzer. The components that contained significant amounts of lead are as listed:

- Metal structure posts in garage area of AMSA building.
- Yellow paint on concrete on exterior of AMSA building.
- Yellow paint on metal ladder located in garage area of AMSA building
- Brown metal components of stairwells located in administration building
- Yellow paint on concrete curbing around the exterior of administration building
- Yellow painted metal posts near POV entry gate

The results are included as Appendix A, XRF Field Data Results.

Appendix A

XRF Field Data Results

Serial #XL700-U869NR5965
PAINT
Header:AL089 Tuscaloosa, Al
Date: 6/15/2006
Ranges (NEG<INC<POS): Device PCS

No	Flr	Source	Sub	Feat	Clr	DI	Result	Pbl	Pbk	Pbc
1						0	...	NA	NA	NA
2		Cal				1.1	POS	1.14	0.64	1.14
3		Cal				1.1	POS	1.14	0.62	1.14
4		Cal				1	POS	1.04	0.36	1.04
5		exterior	metal	shed	white	10	NEG	0.12	-0.04	-0.04
6		exterior	metal	shed	white	10	NEG	0.09	0.23	0.23
7	amsa	wall	concrete		white	1	NEG	0	0.02	0
8	amsa	wall	concrete		white	1	NEG	0	0.22	0
9	amsa	door	metal		brown	1	NEG	0	-0.98	0
10	amsa	door	metal	frame	brown	7.4	NEG	0.11	-0.34	0.11
11	amsa	door	metal	frame	brown	1	NEG	0	0.15	0
12	amsa	posts	metal		tan	2.2	POS	>>5.0	12.88	12.88
13	amsa	posts	metal		tan	3	POS	>>5.0	13.72	13.72
14	amsa	floor	concrete		yellow	2	NEG	0.01	-0.2	0.01
15	amsa	floor	concrete		yellow	1.5	POS	3.03	4.35	3.03
16	amsa	ladder	metal		yellow	1.1	POS	2.16	1.91	2.16
17	amsa	wall	concrete		green	1	NEG	0	-0.32	0
18	amsa	wall	concrete		green	1	NEG	0	-0.49	0
19	amsa	door	metal	frame	green	1	NEG	0	0.03	0
20	amsa	door	metal	frame	green	1	NEG	0	0.21	0
21	amsa	door	metal		green	1	NEG	0	-1.6	0
22	amsa	door	metal		green	1	NEG	0	0.12	0
23	1	wall	concrete		tan	1	NEG	0.01	0.38	0.01
24	1	wall	concrete		tan	10	NEG	0.07	0	0
25	1	wall	concrete		tan	2.5	NEG	0.01	-1.58	0.01
26	1	wall	concrete		tan	1	NEG	0	0.35	0
27	1	wall	concrete		tan	1	NEG	0	0.01	0
28	1	wall	concrete		tan	2	NEG	0.01	-0.2	-0.2
29	1	wall	concrete		tan	1.2	NEG	0.41	0.53	0.41
30	1	wall	concrete		tan	1	NEG	0	-0.13	0
31	1	wall	concrete		tan	1.9	NEG	0.01	0.09	0.01
32	1	wall	concrete		tan	4.2	NEG	0.02	-0.34	0.02
33	1	wall	concrete		tan	1	NEG	0	0.01	0.01
34	1	wall	concrete		tan	1.2	NEG	0.01	-0.05	0.01
35	1	wall	concrete		tan	3.5	NEG	0.05	-0.05	-0.05
36	2	wall	concrete		tan	5	NEG	0.1	-0.14	-0.14
37	2	wall	concrete		tan	2.1	NEG	0.04	0.17	0.17
38	2	wall	concrete		tan	5.6	NEG	0.04	0.1	0.04
39	2	wall	concrete		tan	1.5	NEG	0.01	-0.01	-0.01
40	2	wall	concrete		tan	10	NEG	0.08	-0.92	0.08
41	2	wall	concrete		tan	1	NEG	0.01	-0.51	-0.51
42	2	wall	concrete		tan	6	NEG	0.06	0.26	0.06
43	2	wall	concrete		tan	1	NEG	0.01	-0.43	0.01
44	2	wall	concrete		tan	2.2	NEG	0.03	0.24	0.24

Serial #XL700-U869NR5965
PAINT
Header:AL089 Tuscaloosa, Al
Date: 6/15/2006
Ranges (NEG<INC<POS): Device PCS

No	Flr	Source	Sub	Feat	Clr	DI	Result	Pbl	Pbk	Pbc
45	1	door	metal		brown	1.3	NEG	0.2	0.43	0.2
46	1	door	metal	frame	brown	1	NEG	0.26	-0.08	0.26
47	1	door	metal		brown	1.5	NEG	0.22	0.16	0.22
48	1	door	metal	frame	brown	1.4	NEG	0.28	0.67	0.28
49	1	door	metal		brown	2.4	NEG	0.45	0.8	0.45
50	1	door	metal	frame	brown	1.8	NEG	0.27	0.74	0.27
51	1	door	metal		brown	2.1	NEG	0.13	0.05	0.13
52	1	door	metal	frame	brown	3.9	NEG	0.29	0.33	0.29
53	1	door	metal		brown	4.3	NEG	0.16	-0.47	0.16
54	1	door	metal	frame	brown	4.9	NEG	0.34	-0.53	0.34
55	2	door	metal		brown	3.8	NEG	0.39	0.16	0.39
56	2	door	metal	frame	brown	3	NEG	0.17	-0.15	0.17
57	2	door	metal		brown	1.5	NEG	0.19	-0.5	0.19
58	2	door	metal	frame	brown	7	NEG	0.1	-0.24	0.1
59	2	door	metal		brown	3.8	NEG	0.37	-0.32	0.37
60	2	door	metal	frame	brown	2.5	NEG	0.28	0.4	0.28
61	2	door	metal		brown	2.1	NEG	0.44	-0.89	0.44
62	2	door	metal	frame	brown	2.1	NEG	0.5	0.4	0.5
63		stairs	metal		brown	2.1	POS	>>5.0	31.21	31.21
64		stairs	metal		brown	3	POS	>>5.0	12.49	12.49
65		stairs	metal		grey	2	NEG	0.25	-0.53	0.25
66		stairs	metal		brown	3.3	POS	>>5.0	27.98	27.98
67		stairs	metal		brown	2.7	POS	>>5.0	28.06	28.06
68		ext door	metal		brown	3.1	NEG	0.03	0.84	0.03
69		ext door	metal	frame	brown	1	NEG	0.57	1.31	0.57
70		ext door	metal		brown	1.2	NEG	0.59	0.29	0.59
71		ext door	metal	frame	brown	1	NEG	0.01	-0.09	0.01
		posts	metal		yellow	1.7	POS	>>5.0	8.69	5.1
		posts	metal		yellow	1.5	POS	>>5.0	15.16	15.16
		posts	metal		yellow	1.8	POS	>>5.0	10.73	10.73
24		Cal				1.1	POS	1.09	0.88	1.09
25		Cal				1	POS	0.98	0.88	0.98
26		Cal				1	POS	0.99	0.65	0.99

Work Order No. 12283.001.002.0043

ASBESTOS REINSPECTION REPORT
UNITED STATES ARMY RESERVE CENTER
AL045
Tuscaloosa, AL

Prepared For:

81ST REGIONAL READINESS COMMAND
GUNTER USARC
BUILDING 1511, 745 MCDONALD STREET
GUNTER ANNEX, AL 36114

Approved for Transmittal
NOVEMBER 2006
Kevin A. Johnson
Accreditation #AIN1205J1345

Prepared By

WESTON SOLUTIONS, INC.
1625 Pumphrey Ave.
Auburn, Alabama 36832-4303
November 2006

SECTION 1
INTRODUCTION

Weston Solutions, Inc. (WESTON®) was retained by the United States Army Reserve, to perform a reinspection of friable asbestos containing material (ACM) at the United States Army Reserve Center (USARC) located in Tuscaloosa, AL. This reinspection of friable ACM is intended to determine the condition of friable ACM within the facility and document any damage that may have caused a change in the overall condition and classification of the ACM since the last asbestos survey.

Mr. Kevin Johnson, an accredited inspector under the Asbestos Hazard Emergency Response Act (AHERA) guidelines, performed the current reinspection on 27 October 2006.

This reinspection report should be included in the Management Plan for this facility.

SECTION 2
OBJECTIVES AND METHODS

The objectives of this reinspection are to address all instances of friable ACM documented during prior asbestos inspections regardless of whether the material was assumed to be ACM or proven so by sampling and laboratory analysis. The objectives are:

- Visually reinspect and reassess the condition of all friable ACM.
- Visually inspect material that was previously considered nonfriable ACM and determine, by touch, if the material has become friable since the last inspection. Any such newly friable ACM will be assessed.
- Identify any homogeneous areas of material that has become friable since the last inspection.

To achieve these objectives the WESTON inspector performed the following activities:

- Before performing the survey, the WESTON Inspector reviewed the original asbestos survey report prepared in 2001 by Environmental Enterprise Group.
- Upon arrival to perform the reinspection, the WESTON Inspector met with the designated contact, Mr. Ben Dunn, to coordinate access to each of the buildings during the inspection.
- Upon completing the document review, the WESTON Inspector conducted a walk-through of each of the buildings. During the walk-through, the Inspector performed the required reinspection and reassessment, and documented results on standard forms. This information was later transferred to electronic forms for this report.

SECTION 3
RESULTS

The results of the reinspection indicate one notable change in friable material conditions from that reported at the time of the last survey. This has been recorded on a standard form located in Appendix A of this report. An overview of observed friable ACM conditions follows:

Friable Materials –

- Main Reserve Center – (H-6) The gray, mudded, Thermal Systems Insulation (TSI) fittings indicated in rooms 102 and 103 showed no visible signs of physical damage. During the reinspection WESTON did observed what appeared to be a sample location from the previous survey that was not sealed properly after the sample was taken. The remaining observable mudded TSI fittings showed no visible signs of damage and are considered to be in good condition.

- Maintenance Shop – (H-6) The gray, mudded, TSI fittings located in the maintenance shop showed no obvious signs of damage and are considered to be in good condition. The assumed ACM 9”x9” brown floor tile material located in room 107 is in a high use/high traffic area and has sustained enough physical damage and deterioration so as to be considered damaged. While floor tile is not normally considered a friable ACM, floor tile material can become friable with significant damage.

As time permitted during the reinspection process, WESTON also attempted to determine the condition of non-friable ACM documented in the previous survey.

Within the Main Reserve Center the non-friable ACM floor tile mastic (H-1) is located under the non-ACM cream floor tile that was observed to be in good condition. The light gray non-friable ACM Window Glazing (H-8), located on the exterior windows of room 103, did show some signs of weathering but appeared to be in generally good condition. While the window glaze material did

appear to be in good condition, it could not be adequately accessed to touch verify if the glaze material has become friable.

Within the Maintenance Shop the non-friable assumed ACM floor tile of throughout the building, with the noted exception of room 107, appeared be in relatively good condition. The non-friable assumed ACM window glazing appeared to be in good condition as well.

SECTION 4
RECOMMENDATIONS

As noted previously, the assumed ACM 9”x9” brown floor tile material located in room 107 of the Maintenance Shop is in a high use/high traffic area and has sustained enough physical damage and deterioration so as to be considered damaged to an extent that floor tile material has become friable. WESTON recommends that these floor tiles and the associated mastic be abated as soon as practical. Due to the damaged floor tile being an assumed ACM, confirmation samples may be warranted prior to any abatement.

Within the Main Reserve Center the small hole observed in one of the mudded TSI fittings of room 102 should be encapsulated (a small amount of general purpose caulking material should be adequate) as to prevent the chance of fiber release.

WESTON recommends that the USARC continue to adhere to the existing Asbestos Management Program, which may include semi-annual visual inspections by the Asbestos Program Coordinator (APC) or an individual designated by the APC. The USARC should seek professional assistance when considering any renovation or removal activities that involve ACM.

WESTON recommends that if a change of facility ownership should occur, a copy of all relevant asbestos survey documentation should be supplied to the new building owner/occupant and the USARC copy should be archived for at least 30 years from the point of transfer.

WESTON also recommends that USARC consider performing a comprehensive update to the asbestos survey and Management Plan. Although this reinspection process is intended to document any changes in the condition of friable ACM, gaps may still exist in the records and awareness of regulatory requirements. An update would provide new facility layouts and drawings, ascertain material locations and quantities, discover gaps and provide corrective measures, and allow more efficient management of the asbestos materials that remain. Using the existing asbestos survey information, reinspection data,

and current maintenance records would allow fewer samples thus making the cost of an updated survey and Management Plan less. If requested, WESTON can provide a price quote for this work.

APPENDIX A
FIELD DATA REINSPECTION FORMS

FRIABLE MATERIAL EVALUATION

Client: 81st Regional Readiness Command	**WESTON W.O.:** 12283.001.002.0043
Facility: AL045-Tuscaloosa Alabama **Date:** 10/27/2006	**Inspector:** K. Johnson

A. Suspect Material Type
- ___ Surfacing
- X TSI
- ___ Other

B. Material Condition
- ___ No Damage
- X Localized 1 %
- ___ Distributed ___ %

Building No.
Main Reserve Center

C. Type of Damage
- ___ Deterioration
- ___ Water Damage
- X Physical Causes
- ___ None

D. Overall Rating
- X Good
- ___ Fair
- ___ Poor

E. Accessibility
- ___ Accessible
- X Inaccessible

F. Potential for Contact
- ___ High
- X Moderate
- ___ Low

Reason: Location

G. Influence of Vibration
- ___ High
- ___ Moderate
- X Low

H. Potential for Air Erosion
- ___ High
- ___ Moderate
- X Low

Reason: No airstream present

I. Located In Plenum
- ___ Yes
- X No

J. Potential for Disturbances
- ___ High
- X Moderate
- ___ Low

K. Comments
Mudded pipe fittings - Friable TSI ACM
Room 102

A. Suspect Material Type
- ___ Surfacing
- X TSI
- ___ Other

B. Material Condition
- X No Damage
- ___ Localized ___ %
- ___ Distributed ___ %

Building No.
Main Reserve Center

C. Type of Damage
- ___ Deterioration
- ___ Water Damage
- ___ Physical Causes
- X None

D. Overall Rating
- X Good
- ___ Fair
- ___ Poor

E. Accessibility
- ___ Accessible
- X Inaccessible

F. Potential for Contact
- ___ High
- X Moderate
- ___ Low

Reason: assembly area

G. Influence of Vibration
- ___ High
- ___ Moderate
- X Low

H. Potential for Air Erosion
- ___ High
- ___ Moderate
- X Low

Reason: No airstream present

I. Located In Plenum
- ___ Yes
- X No

J. Potential for Disturbances
- ___ High
- X Moderate
- ___ Low

K. Comments
Mudded pipe fittings - Friable TSI ACM
In room 103

A. Suspect Material Type
- ___ Surfacing
- X TSI
- ___ Other

B. Material Condition
- X No Damage
- ___ Localized ___ %
- ___ Distributed ___ %

Building No.
Maintenance Shop

C. Type of Damage
- ___ Deterioration
- ___ Water Damage
- ___ Physical Causes
- X None

D. Overall Rating
- X Good
- ___ Fair
- ___ Poor

E. Accessibility
- ___ Accessible
- X Inaccessible

F. Potential for Contact
- ___ High
- X Moderate
- ___ Low

Reason: ___

G. Influence of Vibration
- ___ High
- ___ Moderate
- X Low

H. Potential for Air Erosion
- ___ High
- ___ Moderate
- X Low

Reason: ___

I. Located In Plenum
- ___ Yes
- X No

J. Potential for Disturbances
- ___ High
- X Moderate
- ___ Low

K. Comments
Mudded pipe fittings - Friable TSI

MENU - [USERAB_WINDOW]

Action Edit PF Keys Shift PF Keys Help

List Tank — Choose by cursor position or X's

TANK INFORMATION

comments ^ Owner No.	Sit ID Cty	Site ID No.	No	U TANK Unique Number	Install Date	status CURR	TEMP	PERM	INNE	INNA	Removed Date	contents UNL	MID	PRE	DIE	KER	AVF	OIL	VIR
11953	125	001372	01	012435	01/01/1964			X		X	01/01/1988				X				
11953	125	001372	02	012436	01/01/1981			X		X	01/01/1990				X				

Enter) Display | 2) Mark | / Clear | 1) rec | 4) Prev | / First | 5) Next | / Last

6) Add | 7) Query | 8) Archive | 9) Modify | / Delete

10) Site | 11) Owner | 13) Comments

15) Output | 16) Return | /Menu

Record: 1/2 <OSC> <DBG>

2627 10th Ave
Tuscaloosa

Soil Sampling Report

Finnel Armed Forces Reserve Center
2627 10th Avenue
Tuscaloosa, Alabama

December 13, 2006

Spectrum Project Number:
1932-001

Prepared for:
81st RRC
Gunter USARC, Building 1511
745 McDonald Street
Gunter Annex, Alabama 36114

Spectrum Environmental, Inc.
700 Southgate Drive, Suite A
Pelham, Alabama 35124
(205) 664-2000
FAX (205) 664-2142

December 13, 2006

81St RRC
Gunter USARC, Building 1511
745 McDonald Street
Gunter Annex, Alabama 36114

Attention: Mr. Ben Dunn

Subject: Soil Sampling Report
Finnel Armed Forces Reserve Center
2627 10th Avenue
Tuscaloosa, AL 35401
Spectrum Project No. 1932-001

Dear Mr. Dunn:

Spectrum Environmental, Inc. (Spectrum) has completed the soil sampling proposed for the above referenced site. This report addresses the sampling procedures, locations and the results of the laboratory analysis of the samples collected.

ENVIRONMENTAL SOIL SAMPLING

Pursuant to Spectrum Proposal No. 06-5217, as approved by Mr. Steve Francis with the 81st RRC, Spectrum collected soil samples to assess whether or not former activities at the subject site had impacted soil and/groundwater in the vicinity of the former oil change pit and in the area of the Oil Water Separator (OWS). Based on this information, Spectrum implemented the following Scope of Work.

Scope of Work

Based on the project background discussion above, Spectrum conducted the following Scope of Work to evaluate whether or not the former OWS and oil change pit had been adversely impacted at the subject site.

- Spectrum mobilized a Geoprobe® Model 5400 Direct Push sampling device and an operator to advance two soil borings for the collection of soil samples;
- At the OWS location, Spectrum collected one soil sample from a depth of 3 feet below land surface;
- Spectrum had the OWS soil sample analyzed at a state approved environmental laboratory for the presence and strength of total petroleum hydrocarbons (TPH) via EPA Method 418.1;
- Adjacent to the oil change pit location, Spectrum collected two soil samples from depths of 4 and 8 feet below the floor surface;
- Spectrum had the 4 foot soil sample analyzed by a state approved environmental laboratory for the presence and strength of semi-volatiles (BNA's) via EPA Method 8270C;
- Attached are copies of the original laboratory analytical reports, a discussion of the laboratory results under the topic of Sampling Results below, and with a sketch map of the site.

Sampling Results

The soil sample collected adjacent to the OWS (T-2-3') contained 46 mg/kg (PPM) Total Petroleum Hydrocarbons (TPH).

The 4' sample was analyzed for BNA's because it was visually more contaminated than the 8' sample. The 8'sample was not analyzed. Laboratory analysis of the 4' sample (T-1-4) was non-detect for all BNA concentrations except Phenol. The Phenol concentration was 3.5 mg/kg (PPM).

Should you have any questions or comments, please call the undersigned at (205) 664-2000.

Sincerely,
SPECTRUM ENVIRONMENTAL, INC.

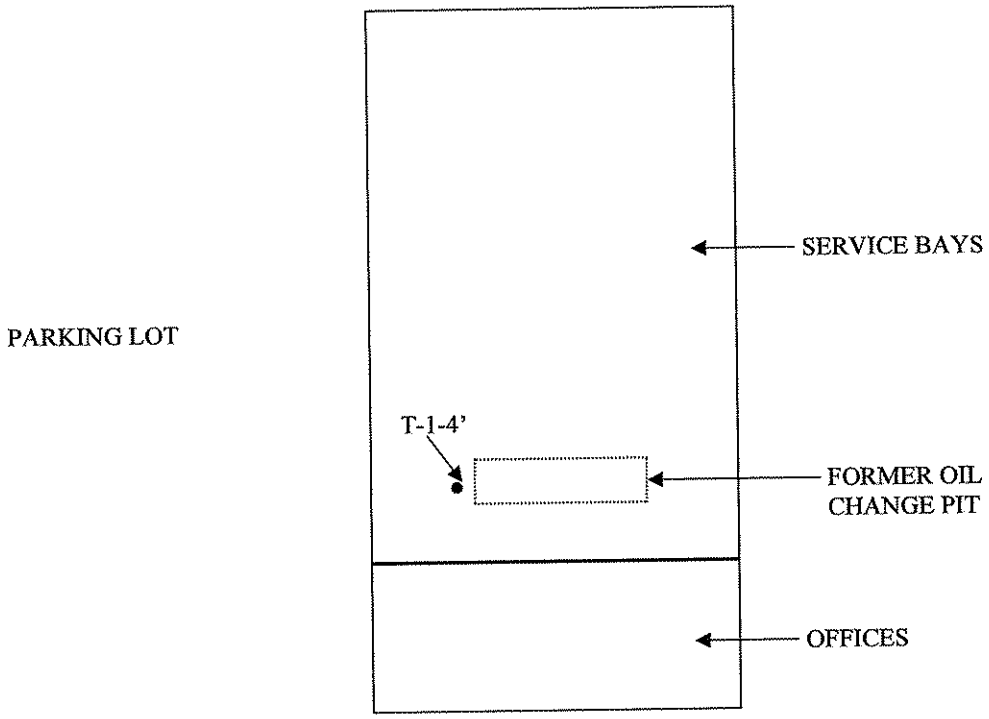
Bob White, P.G.
Compliance/Assessment Coordinator

Scott E. Hassler, P.G.
Vice President of Operations

Attachments

K:\working\Reports-1932-001

FIGURES



NOT TO SCALE

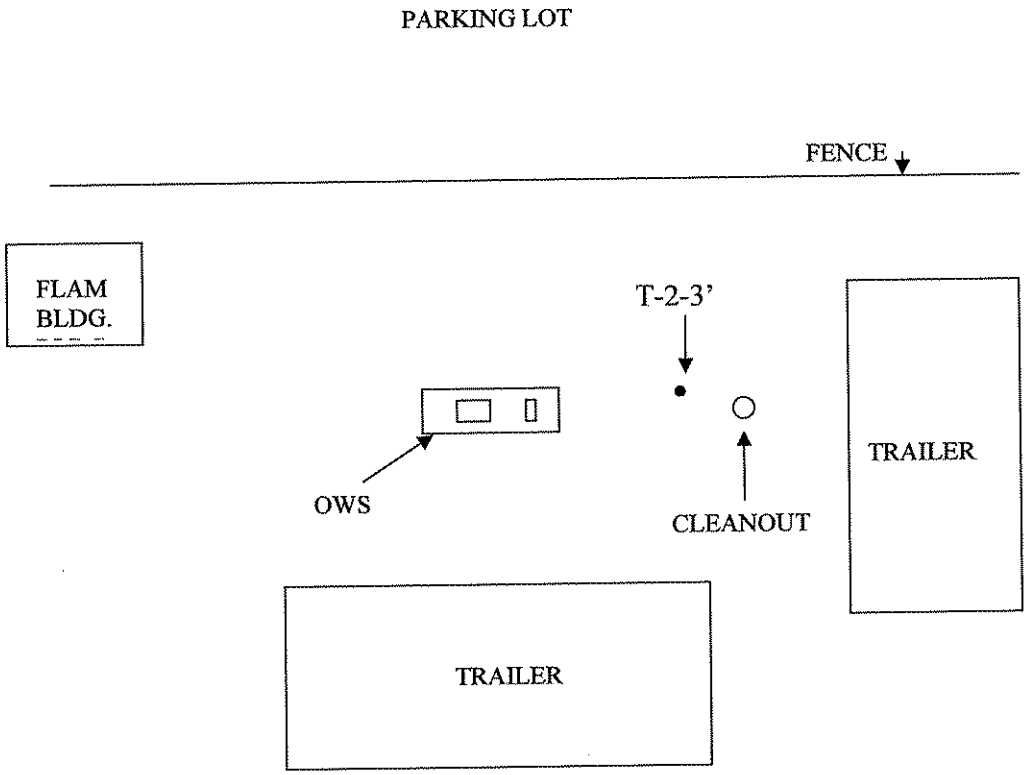
NO.	DATE	REVISION NOTE	BY

Drawn By: BW	Project #: 1932-001
Checked By:	Date: 12-13/2006
Proj. Mgr.: BW	File Name: 1932-001

SPECTRUM Environmental Services, Inc.
700 SOUTHGATE DR.
SUITE A
PELHAM, AL 35124
FAX (205) 664-2142
PHONE (205) 664-2000

TITLE

Figure 1932001-1
FORMER OIL CHANGE PIT
FINNEL ARMED FORCES R.C.
2627 10th STREET
TUSCALOOSA, ALABAMA



NOT TO SCALE

NO	DATE	REVISION NOTE	BY

Drawn By: BW	Project #: 1932-001
Checked By:	Date: 12/13/2006
Proj. Mgr.:	File Name: 1932-001

SPECTRUM Environmental Services, Inc.
700 SOUTHGATE DR.
SUITE A
PELHAM, AL 35124
FAX (205) 664-2142
PHONE (205) 664-2000

TITLE

Figure 1932001-2
OIL WATER SEPARATOR
FINNEL ARMED FORCES R.C.
2627 10th STREET
TUSCALOOSA, ALABAMA

LAB DATA

Company Name/Address:

Spectrum Environmental, Inc.

700 Southgate Drive, Suite A
Pelham, AL 35124

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Report to: BOB WHITE

Email to: bwhite@specenviro.com

Project Description: 81ST RRC (FINNEL)

City/State Collected: TUSCALOOSA, AL

Phone: (205) 664-2000
FAX: (205) 664-2142

Client Project #: 1932-001

ESC Key:

Collected by: BOB WHITE

Site/Facility ID#:

P.O.#: 6634

CoCode: SPECENV (lab use only)
Template/Prelogin:
Shipped Via:

Collected by (signature): [signature]

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed:

Email? __No__Yes
FAX? __No__Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BNA / 8270					Remarks/Contaminant	Sample # (lab only)
T-1-4'	GRAB	SS	4'	11-29-06	09:00	1	✓						L2109801
T-1-8' *	GRAB	SS	8'	11-29-06	09:22	1	✓					* HOLD FOR CONFIRMATION PRIOR TO ANALYSIS	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____ pH _____ Temp _____

Remarks: Refer to P195224 Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier	Condition: (lab use only)
[signature]	11-29-06	16:00	[signature]		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6°C / Bottles Received: 2 tubes	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11.30.06 / Time: 0745	pH Checked: / NCF:

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Bob White
Spectrum Environmental Services Inc.
700 Southgate Drive, Suite A

Pelham, AL 35124

Report Summary

Friday December 08, 2006

Report Number: L270923
Samples Received: 11/30/06
Client Project: 1932-001

Description: 81st RC - Finnel

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Reviewed By: Craig Cothron, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, WA - C1915

This report may not be reproduced, except in full, without written approval from Environmental Science Corp.

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 08, 2006

Mr. Bob White
Spectrum Environmental, Inc.
700 Southgate Drive, Suite A
Pelham, AL 35124

ESC Sample # : L270923-01

Date Received : November 30, 2006
Description : 81st RC - Finnel

Site ID :

Sample ID : T-1-4FT

Project # : 1932-001

Collected By : Bob White
Collection Date : 11/29/06 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Base/Neutral Extractables						
Acenaphthene	BDL	0.33	mg/kg	8270C	12/07/06	1
Acenaphthylene	BDL	0.33	mg/kg	8270C	12/07/06	1
Anthracene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzidine	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzo(a)anthracene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzo(b)fluoranthene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzo(k)fluoranthene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzo(g,h,i)perylene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzo(a)pyrene	BDL	0.33	mg/kg	8270C	12/07/06	1
Bis(2-chlorethoxy)methane	BDL	0.33	mg/kg	8270C	12/07/06	1
Bis(2-chloroethyl)ether	BDL	0.33	mg/kg	8270C	12/07/06	1
Bis(2-chloroisopropyl)ether	BDL	0.33	mg/kg	8270C	12/07/06	1
4-Bromophenyl-phenylether	BDL	0.33	mg/kg	8270C	12/07/06	1
2-Chloronaphthalene	BDL	0.33	mg/kg	8270C	12/07/06	1
4-Chlorophenyl-phenylether	BDL	0.33	mg/kg	8270C	12/07/06	1
Chrysene	BDL	0.33	mg/kg	8270C	12/07/06	1
Dibenz(a,h)anthracene	BDL	0.33	mg/kg	8270C	12/07/06	1
3,3-Dichlorobenzidine	BDL	0.33	mg/kg	8270C	12/07/06	1
2,4-Dinitrotoluene	BDL	0.33	mg/kg	8270C	12/07/06	1
2,6-Dinitrotoluene	BDL	0.33	mg/kg	8270C	12/07/06	1
Fluoranthene	BDL	0.33	mg/kg	8270C	12/07/06	1
Fluorene	BDL	0.33	mg/kg	8270C	12/07/06	1
Hexachlorobenzene	BDL	0.33	mg/kg	8270C	12/07/06	1
Hexachloro-1,3-butadiene	BDL	0.33	mg/kg	8270C	12/07/06	1
Hexachlorocyclopentadiene	BDL	0.33	mg/kg	8270C	12/07/06	1
Hexachloroethane	BDL	0.33	mg/kg	8270C	12/07/06	1
Indeno(1,2,3-cd)pyrene	BDL	0.33	mg/kg	8270C	12/07/06	1
Isophorone	BDL	0.33	mg/kg	8270C	12/07/06	1
Naphthalene	BDL	0.33	mg/kg	8270C	12/07/06	1
Nitrobenzene	BDL	0.33	mg/kg	8270C	12/07/06	1
n-Nitrosodimethylamine	BDL	0.050	mg/kg	8270C	12/07/06	1
n-Nitrosodiphenylamine	BDL	0.33	mg/kg	8270C	12/07/06	1
n-Nitrosodi-n-propylamine	BDL	0.33	mg/kg	8270C	12/07/06	1
Phenanthrene	BDL	0.33	mg/kg	8270C	12/07/06	1
Benzylbutyl phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Bis(2-ethylhexyl)phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Di-n-butyl phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Diethyl phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Dimethyl phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Di-n-octyl phthalate	BDL	0.33	mg/kg	8270C	12/07/06	1
Pyrene	BDL	0.33	mg/kg	8270C	12/07/06	1
1,2,4-Trichlorobenzene	BDL	0.33	mg/kg	8270C	12/07/06	1
Acid Extractables						

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 08, 2006

Mr. Bob White
Spectrum Environmental, Inc.
700 Southgate Drive, Suite A
Pelham, AL 35124

ESC Sample # : L270923-01

Date Received : November 30, 2006
Description : 81st RC - Finnel

Site ID :

Sample ID : T-1-4FT

Project # : 1932-001

Collected By : Bob White
Collection Date : 11/29/06 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Chloro-3-methylphenol	BDL	0.33	mg/kg	8270C	12/07/06	1
2-Chlorophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
2,4-Dichlorophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
2,4-Dimethylphenol	BDL	0.33	mg/kg	8270C	12/07/06	1
4,6-Dinitro-2-methylphenol	BDL	0.33	mg/kg	8270C	12/07/06	1
2,4-Dinitrophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
2-Nitrophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
4-Nitrophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
Pentachlorophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
Phenol	3.5	3.3	mg/kg	8270C	12/08/06	10
2,4,6-Trichlorophenol	BDL	0.33	mg/kg	8270C	12/07/06	1
Surrogate Recovery						
Nitrobenzene-d5	72.7		% Rec.	8270C	12/07/06	1
2-Fluorobiphenyl	84.7		% Rec.	8270C	12/07/06	1
p-Terphenyl-d14	111.		% Rec.	8270C	12/07/06	1
Phenol-d5	79.3		% Rec.	8270C	12/07/06	1
2-Fluorophenol	72.5		% Rec.	8270C	12/07/06	1
2,4,6-Tribromophenol	88.2		% Rec.	8270C	12/07/06	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 12/08/06 11:34 Printed: 12/08/06 13:49

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L270923-01	Bis(2-chloroethyl)ether	J4
	2,6-Dinitrotoluene	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

SUTHERLAND
ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
B'HAM, AL 35233
PHONE (205)581-9500 FAX (205)581-9504

CHAIN OF CUSTODY
ANALYSIS REQUEST

Client P.O. #

SEND REPORT TO:
Name/Co.: SPECTRUM / BOB WHITE
Address: 700 SOUTHGATE OR. STE A.
PELHAM AL 35124
Phone/Fax: 6642000 / 6642142

CLIENT: SPECTRUM ENVIRONMENTAL
PROJECT: 81ST ARC
SAMPLERS: (print) BOB WHITE

DATE DELIVERED: 11/29/06

LAB ID	FIELD ID	DATE/TIME COLLECTED	SAMPLE DESCRIPTION (matrix)	418.1 TPH					Number of sample containers
78450	T-2-3'	11-29-06/10:07	SOIL	✓					1

ANALYSIS REQUESTED / METHOD

Indicate preservative: (a)HCL,(b)HNO3, (c)H2SO4 , (d)NaOH, (e) Zn Acetate
Indicate container type: (g) Glass, (p) Plastic , (v) VOC Vial, (t) Tedlar bag

Remarks:

Last revised 1/6/2006

Relinquished by:	Date/Time	Received in Laboratory by:	Date/Time
(signed)	11-29-06/13:00	(signed)	11/29/06
(print) BOB WHITE		(print)	1300
Relinquished by:	Date/Time	Received by:	Date/Time
(signed)		(signed)	
(print)		(print)	

Turn Around Time (please note):
Standard ____
RUSH* ____ * If RUSH, mark below:
*3-Day *2-Day *Next Day *Same Day

Refrigerated upon receipt: yes no
Invoice # (LAB use only): 14493

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500

Client:	Spectrum Environmental	Report Date:	November 30, 2006
Attention:	Mr. Bob White	Reference #	14473
Address:	700 Southgate Dr. Ste. A	P.O. #	verbal
	Pelham, AL 35124	Project ID:	81 ST RRC

Sample Matrix:	soil	Analytical	
Date Received:	11/29/06	Analyst:	Sarah Lang
Date Collected:	11/29/06	Date of Analysis:	11/30/06
Sample Collector:	Bob White	Method:	***EPA 418.1, Modified for solids***

TOTAL PETROLEUM HYDROCARBONS

FIELD ID	LAB ID	TPH, PPM	D.L., PPM
T-2-3'	78450	**46**	1

BDL = Below Detection Limit
D.L. = Detection Limit, Practical
All results expressed as PPM (mg/Kg)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
Analytical Chemist

APPENDIX E

REGULATORY DATABASE SEARCH REPORTS

EDR® Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Robert Newman
FMSM Engineers
1901 Nelson Miller
Louisville, KY 40223

Order Date: 7/14/2006 **Completion Date:** 7/14/2006
Inquiry #: 1715536.136s
P.O. #: NA
Site Name: FINNELL AFRC & AMSA 51
Address: 2627 10TH AVE
City/State: TUSCALOOSA, AL 35401
Cross Streets:

Customer Project: USARC
1022764WEI 502-212-5039

Based on client-supplied information, fire insurance maps for the following years were identified

1923 - 1 Map
1950 - 1 Map
1967 - 1 Map

Limited Permission to Photocopy Total Maps: 3

FMSM Engineers (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission. EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

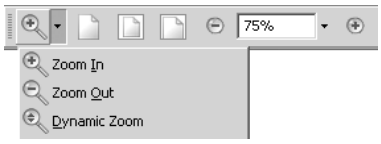
Reading Sanborn Maps

- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: http://www.edrnet.com/reports/samples/key.pdf

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

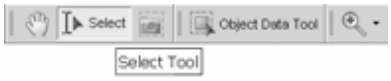


1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
   A. On the menu bar, click "View" and then "Zoom to..."
   B. Or, use the magnifying tool and drag a box around the TP

Printing a Sanborn Map From the Electonic File

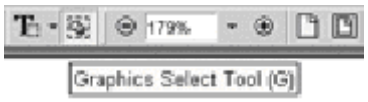
- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

<u>Acrobat Versions 6 and 7</u>



1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.

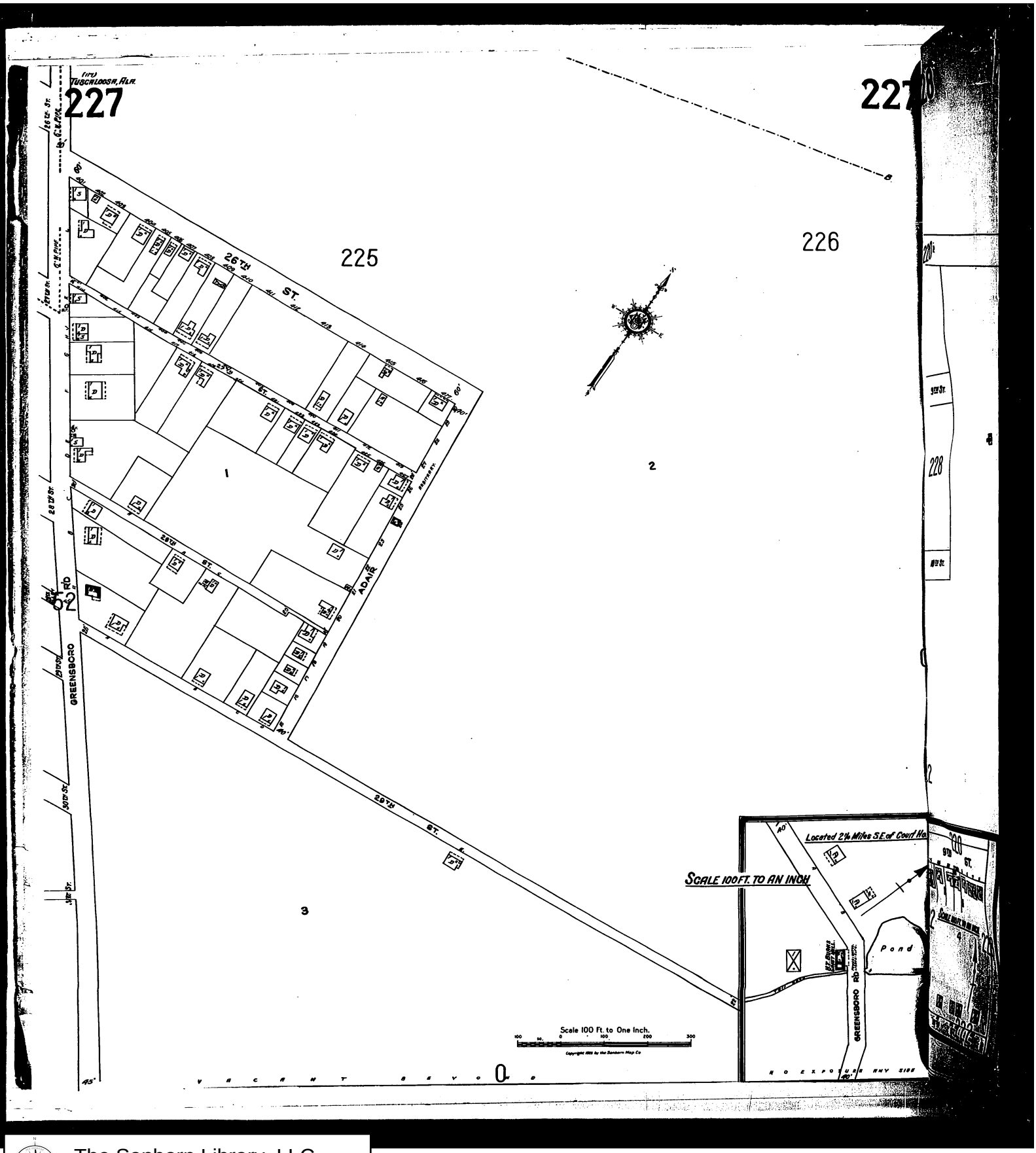
<u>Acrobat Version 5</u>



1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

Important Information about Email Delivery of Electronic Sanborn Map Images

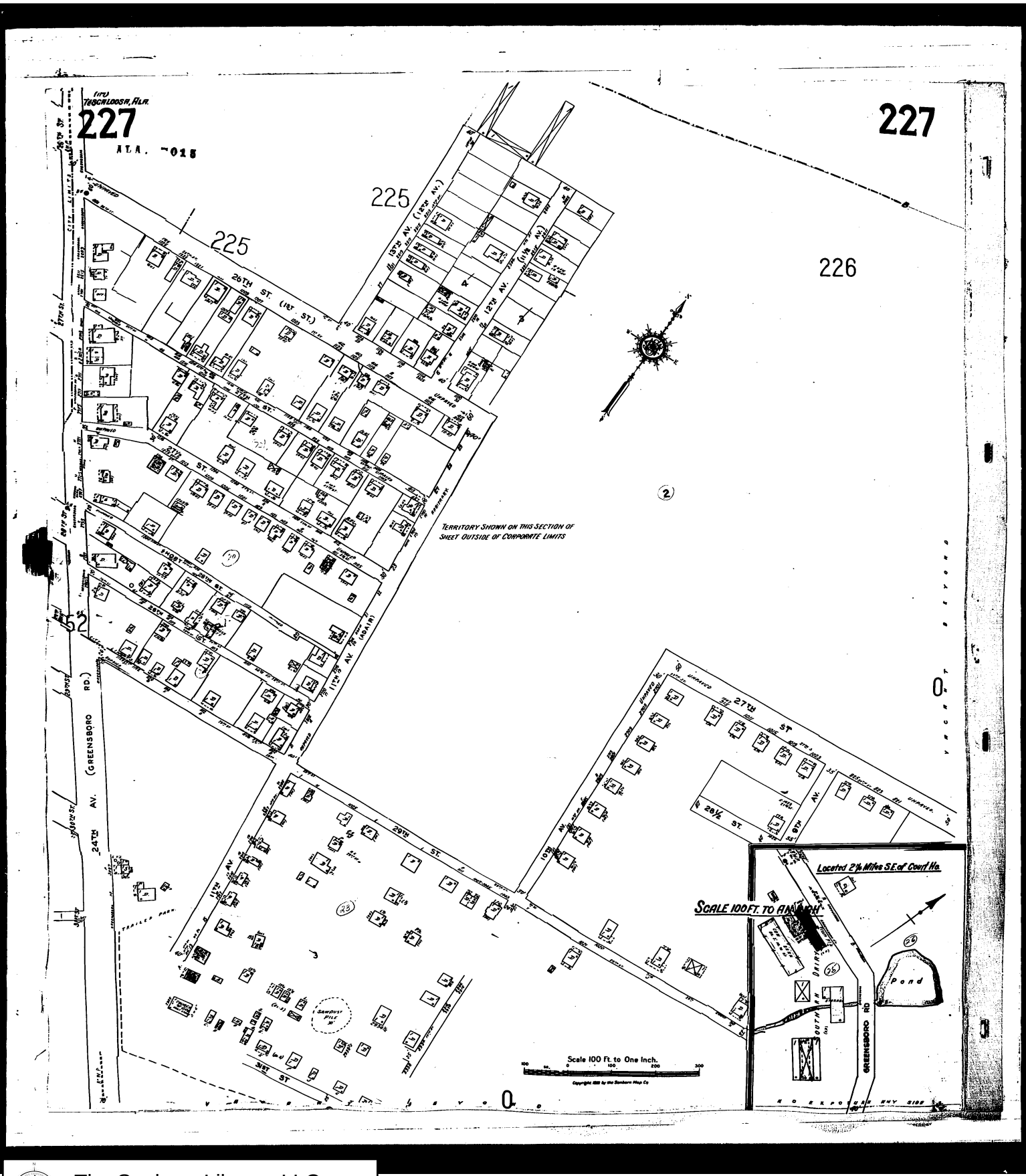
- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



The Sanborn Library, LLC

Copyright© 1923 The Sanborn Library, LLC SES
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

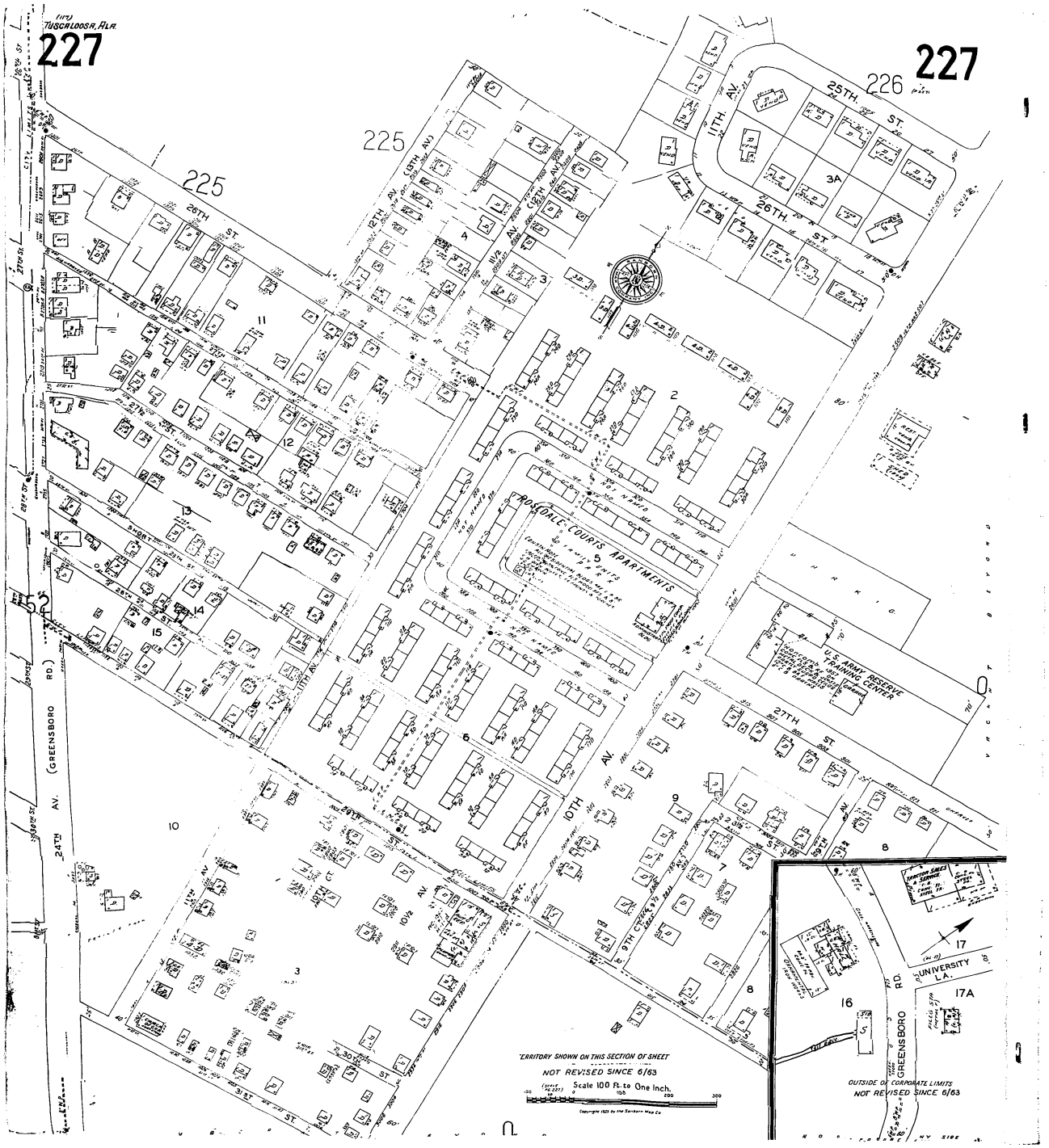


The Sanborn Library, LLC

Copyright© 1950 The Sanborn Library, LLC SES

Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.



The Sanborn Library, LLC

Copyright© 1967 The Sanborn Library, LLC SES

Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

The EDR-City Directory
Abstract

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, AL 35401

Inquiry Number: 1715536.139

Wednesday, July 26, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

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

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 2001 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 26, 2006

Target Property:
2627 10TH AVE
TUSCALOOSA, AL 35401

Year	***Uses***	***Source***
2001	US Army Reserve Hospital	Polk's City Directory
	US Army Reserve Training	Polk's City Directory
	US Navy Reserve Training	Polk's City Directory
2005	US Army Reserve Hospital	Polk's City Directory
	US Army Reserve Training	Polk's City Directory
	US Navy Reserve Training	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
TUSCALOOSA, AL 35401

Year	***Uses***	***Source***
2001	****10th Avenue****	Polk's City Directory
	Speedee Food Mart (2507)	Polk's City Directory
	Apartment Building (2515)	Polk's City Directory
	Residence (2615)	Polk's City Directory
	Apartment Building (2700)	Polk's City Directory
	Residence (2703)	Polk's City Directory
	Residence (2705)	Polk's City Directory
2005	****10th Avenue****	Polk's City Directory
	Speedee Food Mart (2507)	Polk's City Directory
	Apartment Building (2515)	Polk's City Directory

Year	***Uses***	***Source***
2005	Residence (2615)	Polk's City Directory
	Apartment Building (2700)	Polk's City Directory
	Residence (2703)	Polk's City Directory
	Residence (2705)	Polk's City Directory

The EDR Radius Map
with GeoCheck®

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, AL 35401

Inquiry Number: 01715536.135r

July 14, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	14
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-11

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2627 10TH AVE
TUSCALOOSA, AL 35401

COORDINATES

Latitude (North):	33.187100 - 33˚ 11' 13.6''
Longitude (West):	87.551500 - 87˚ 33' 5.4''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	448588.7
UTM Y (Meters):	3671972.8
Elevation:	183 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33087-B5 TUSCALOOSA, AL
Most Recent Revision:	1983

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
TUSCALOOSA ARMY RESERVE CENTER 2627 10TH AVE TUSCALOOSA, AL 35401	UST	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

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

STATE AND LOCAL RECORDS

SHWS	Hazardous Substance Cleanup Fund
SWF/LF	Permitted Landfills
SWRCY	Recycling/Recovered Materials Processors Directory
AOCONCERN	Area of Concern
LAST	List of AST Release Incidents
AST	Aboveground Storage Tank Sites
SPILLS	Emergency Response Data
INST CONTROL	Land Division Brownfields 128(a) Program Site Listing
VCP	Cleanup Program Inventory
BROWNFIELDS	Land Division Brownfields 128(a) Program Site Listing
CDL	Clandestine Methamphetamine Lab Sites
TIER 2	Tier 2 Data Listing

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Management's Leaking Underground Storage Tank Listing.

A review of the LUST list, as provided by EDR, and dated 03/27/2006 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CIRCLE C #8	***925 HARGROVE RD***	***1/4 - 1/2 NNE***	***3***	***8***
RACEWAY #717 (&92-07-16)	3127 9TH ST.	1/4 - 1/2 SSE	A4	10
No Further Action Issued: Yes				
No Further Action Issued: Yes				
SULLIVAN CHEVRON	***3210 9TH ST***	***1/4 - 1/2 S***	***A5***	***10***
No Further Action Issued: Yes				

Lower Elevation	Address	Dist / Dir	Map ID	Page
FORMER TEXACO STA/PARKER PROPE	2403 GREENSBORO AVE	1/4 - 1/2 WNW	6	13
No Further Action Issued: Yes				

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's UST Data with Owner/Site/Tank Information database.

A review of the UST list, as provided by EDR, and dated 04/17/2006 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

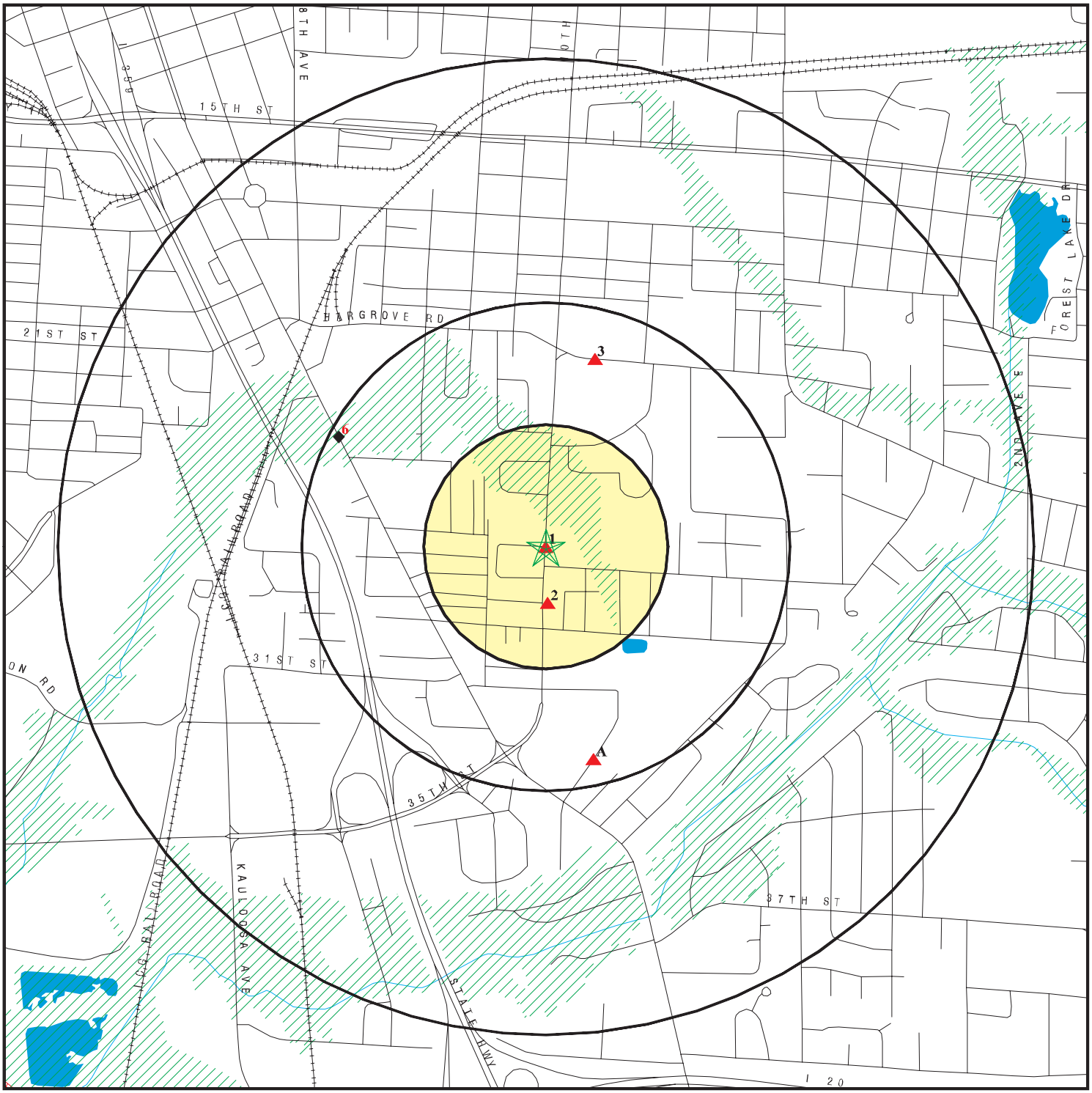
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TUSCALOOSA HOUSING AUTHORITY	2808 10TH AVE	0 - 1/8 S	2	7

EXECUTIVE SUMMARY

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

Site Name	Database(s)
FEDERAL BUILDING-DOWNTOWN TUSCALOOSA	SHWS
RENAISSANCE LLC	SHWS
ELK CORP OF ALABAMA/TUSCALOOSA WAREHOUSE	SHWS
TUSCALOOSA GAS-2ND STREET	CERCLIS, FINDS
TUSCALOOSA GAS, ELECTRIC LIGHT & POWER CO.	CERCLIS, FINDS
BALL & DILL INC	RCRA-SQG, FINDS, CERC-NFRAP
HARRIS TRASH SITE	CERC-NFRAP
FEDERAL BUILDING-DOWNTOWN TUSCALOOSA	VCP
L.C. HARRIS LANDFILL	SWF/LF
CHATHAM OIL #229	LUST
RACEWAY # 712	LUST
WILSON'S TRUCK STOP	LUST
LOTS 11,12,13,&14 (TUSCALOOSA)	LUST
SPEEDMART NO. 204	LUST
SNIDER'S GRO.	LUST
MIDFIELD AUTO SALES - TUSC. PROPERTY	LUST
D&G ENTERPRISES (STEVENS GROCERY)	UST
RANDOLPH GROCERY	UST
DANIEL P GARRETT JR	UST
HENRY STEVENS SERVICE STATION	UST
#39 LIFT STATION MERCEDES HWY	AST
ZIPPY MART AL-504	RCRA-SQG, FINDS
ABLES GARAGE	RCRA-SQG, FINDS
FINNELL BRIDGE (HWY 82) WARRIOR RIVER	ERNS

OVERVIEW MAP - 01715536.135r



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Areas of Concern

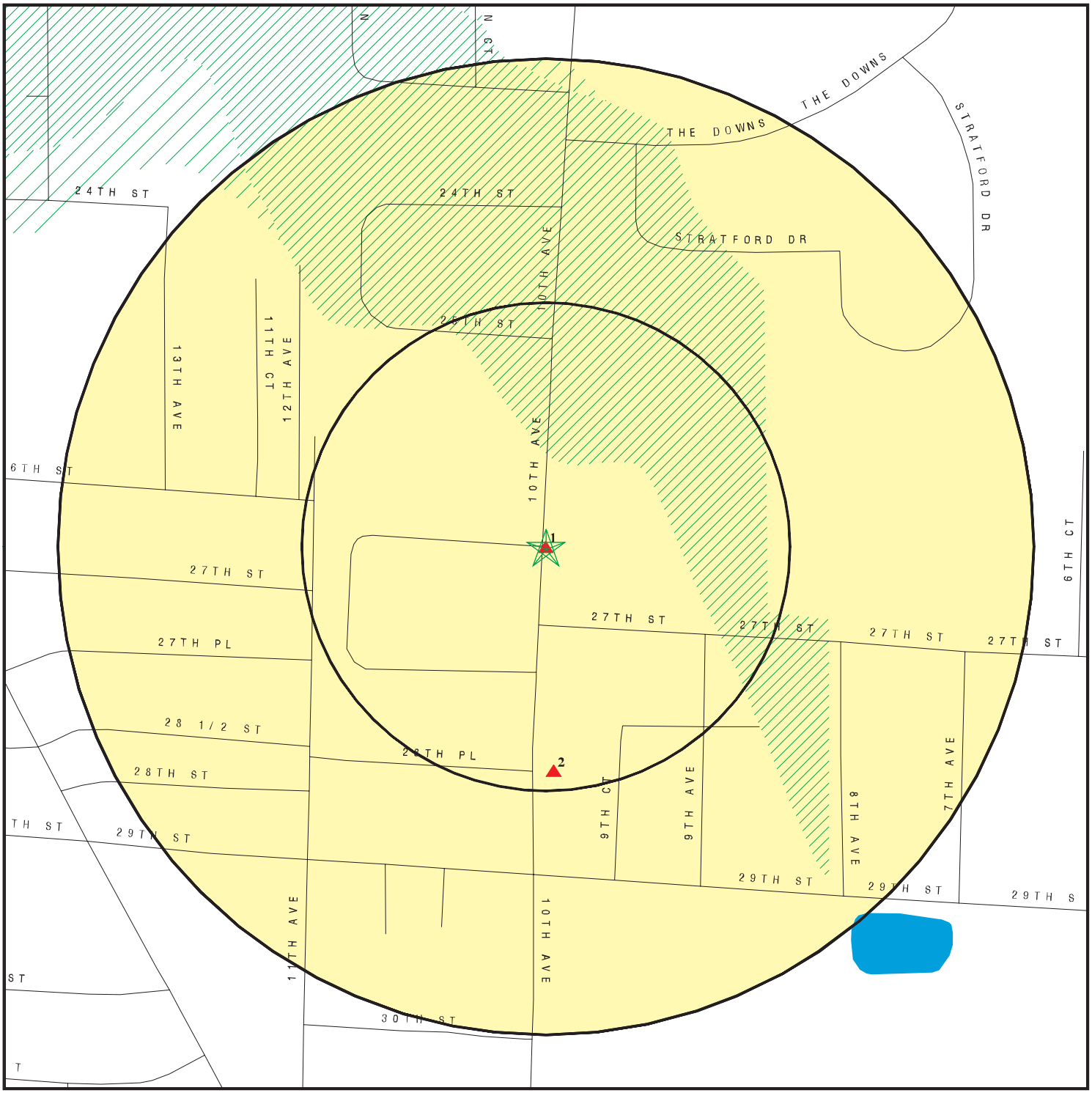
0 1/4 1/2 1 Miles

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

SITE NAME: FINNELL AFRC & AMSA 51 ADDRESS: 2627 10TH AVE TUSCALOOSA AL 35401 LAT/LONG: 33.1871 / 87.5515	CLIENT: FMSM Engineers CONTACT: Robert Newman INQUIRY #: 01715536.135r DATE: July 14, 2006

Copyright © 2006 EDR, Inc. © 2006 Tele Atlas Rel. 07/2005.

DETAIL MAP - 01715536.135r



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

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

SITE NAME: FINNELL AFRC & AMSA 51 ADDRESS: 2627 10TH AVE TUSCALOOSA AL 35401 LAT/LONG: 33.1871 / 87.5515	CLIENT: FMSM Engineers CONTACT: Robert Newman INQUIRY #: 01715536.135r DATE: July 14, 2006

Copyright © 2006 EDR, Inc. © 2006 Tele Atlas Rel. 07/2005.

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	4	NR	NR	4
AOCONCERN		1.000	0	0	0	0	NR	0
UST	X	0.250	1	0	NR	NR	NR	1
LAST		0.500	0	0	0	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 Target Property | **TUSCALOOSA ARMY RESERVE CENTER** | **UST** | **U000003318** / **N/A**
2627 10TH AVE
TUSCALOOSA, AL 35401

Actual: 183 ft.

UST:

Facility ID:	11953 125 1372	County Code:	125
Account Number:	11953	Site ID:	1372
Owner:	US ARMY GARRISON/TRANSITION FORCE		
Owner Address:	291 JIMMY PARKS BLVD		
Owner CSZ:	FT MCCLELLAN, AL 36205 5000		
Owner Phone:	2568483539		
Owner Contact:	RON LEVY / KAREN PINSON		
Contact Name:	FELIX ROSEL		
Contact Phone:	2057595461		
Tank Number:	12435	Capacity:	1000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/64		
Sold Date:	01/01/01	Removal Date:	01/01/88
Compartments:	1		
Tank Contents:	Diesel		
Tank Usage:	State/Federal Government		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	2		
Regulated Tanks This Fiscal Year:	0		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	1		
Number Of Retired Tanks:	17		

Facility ID:	11953 125 1372	County Code:	125
Account Number:	11953	Site ID:	1372
Owner:	US ARMY GARRISON/TRANSITION FORCE		
Owner Address:	291 JIMMY PARKS BLVD		
Owner CSZ:	FT MCCLELLAN, AL 36205 5000		
Owner Phone:	2568483539		
Owner Contact:	RON LEVY / KAREN PINSON		
Contact Name:	FELIX ROSEL		
Contact Phone:	2057595461		
Tank Number:	12436	Capacity:	1000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/81		
Sold Date:	01/01/01	Removal Date:	01/01/90
Compartments:	1		
Tank Contents:	Diesel		
Tank Usage:	State/Federal Government		
Tank Construction Material:	Fiberglass/Plastic		
Tank Corrosion Protection:	Fiberglass Coated		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Fiberglass/Plastic		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	2		

TUSCALOOSA ARMY RESERVE CENTER (Continued) **U000003318**

Regulated Tanks This Fiscal Year: 0
Tanks On Indain Land: Not reported
Number of AST's: 0
Total Temp Closed Tanks: 1
Number Of Retired Tanks: 17

---

2 South < 1/8 606 ft. **TUSCALOOSA HOUSING AUTHORITY** **UST** **U001470884**
2808 10TH AVE **N/A**
TUSCALOOSA, AL 35401

Relative: Higher

Actual: 187 ft.

UST:

Facility ID:	15029 125 3362	County Code:	125
Account Number:	15029	Site ID:	3362
Owner:	TUSCALOOSA HOUSING AUTHORITY		
Owner Address:	2808 10TH AVE		
Owner CSZ:	TUSCALOOSA, AL 35401		
Owner Phone:	2057586619		
Owner Contact:	JAMES W MADDOX		
Contact Name:	ROBERT WISE		
Contact Phone:	2057586619		
Tank Number:	32894	Capacity:	1000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/77		
Sold Date:	01/01/01	Removal Date:	05/25/95
Compartments:	1		
Tank Contents:	Unleaded Gasoline		
Tank Usage:	Not reported		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	1		
Total Sites:	1		
Total Permanently Out Tanks:	1		
Regulated Tanks This Fiscal Year:	1		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	0		
Number Of Retired Tanks:	0		

Facility ID:	15029 125 3362	County Code:	125
Account Number:	15029	Site ID:	3362
Owner:	TUSCALOOSA HOUSING AUTHORITY		
Owner Address:	2808 10TH AVE		
Owner CSZ:	TUSCALOOSA, AL 35401		
Owner Phone:	2057586619		
Owner Contact:	JAMES W MADDOX		
Contact Name:	ROBERT WISE		
Contact Phone:	2057586619		
Tank Number:	50777	Capacity:	3000
Tank Status:	**Currently In Use**		
Install Date:	07/13/94		
Sold Date:	01/01/01	Removal Date:	01/01/01
Compartments:	1		
Tank Contents:	Unleaded Gasoline		
Tank Usage:	Not reported		

TUSCALOOSA HOUSING AUTHORITY (Continued) **U001470884**

Tank Construction Material:	Fiberglass/Plastic
Tank Corrosion Protection:	Fiberglass Coated
External Pipe Protection Installed Date:	01/01/01
Piping Material of Construction:	Fiberglass/Plastic
Other Pipe:	Not reported
Total Regulated Tanks Owned:	1
Total Sites:	1
Total Permanently Out Tanks:	1
Regulated Tanks This Fiscal Year:	1
Tanks On Indain Land:	Not reported
Number of AST's:	0
Total Temp Closed Tanks:	0
Number Of Retired Tanks:	0

---

3 **CIRCLE C #8** **LUST** **U001715268**
NNE **925 HARGROVE RD** **UST** **N/A**
1/4-1/2 **TUSCALOOSA, AL 35401**
2101 ft.

Relative:
Higher

Actual:
210 ft.

LUST:

Facility ID:	859
Account Number:	10303
Owner Name:	ARMSTRONG OIL CO INC
Owner Address:	133 SKYLAND BLVD.
Owner City,St,Zip:	TUSCALOOSA, AL 35405
Incident Year:	02
Incident Month:	5
Incident Number:	UST02-5-5
NFA Issued:	**No**

UST:

Facility ID:	10303 125 859	County Code:	125
Account Number:	10303	Site ID:	859
Owner:	ARMSTRONG OIL CO INC		
Owner Address:	133 SKYLAND BLVD.		
Owner CSZ:	TUSCALOOSA, AL 35405		
Owner Phone:	2053491666		
Owner Contact:	PARKER PATTON,		
Contact Name:	TERRELL DAVIDSON		
Contact Phone:	2053491666		
Tank Number:	1844	Capacity:	4000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/55		
Sold Date:	01/01/01	Removal Date:	05/24/99

Compartments:	1
Tank Contents:	Unleaded Gasoline
Tank Usage:	Retail
Tank Construction Material:	Steel
Tank Corrosion Protection:	Intierior Lined, None or Painted (ex. asphalt)
External Pipe Protection Installed Date:	01/01/01
Piping Material of Construction:	Bare Steel
Other Pipe:	Not reported
Total Regulated Tanks Owned:	0
Total Sites:	0
Total Permanently Out Tanks:	3
Regulated Tanks This Fiscal Year:	0
Tanks On Indain Land:	Not reported

CIRCLE C #8 (Continued) **U001715268**

Number of AST's: 0
Total Temp Closed Tanks: 0
Number Of Retired Tanks: 0

Facility ID: 10303 125 859 County Code: 125
Account Number: 10303 Site ID: 859
Owner: ARMSTRONG OIL CO INC
Owner Address: 133 SKYLAND BLVD.
Owner CSZ: TUSCALOOSA, AL 35405
Owner Phone: 2053491666
Owner Contact: PARKER PATTON,
Contact Name: TERRELL DAVIDSON
Contact Phone: 2053491666
Tank Number: 1845 Capacity: 4000
Tank Status: Permanently Closed
Install Date: 01/01/55
Sold Date: 01/01/01 Removal Date: 05/24/99
Compartments: 1
Tank Contents: Unleaded Gasoline
Tank Usage: Retail
Tank Construction Material: Steel
Tank Corrosion Protection: Intierior Lined, None or Painted (ex. asphalt)
External Pipe Protection Installed Date: 01/01/01
Piping Material of Construction: Bare Steel
Other Pipe: Not reported
Total Regulated Tanks Owned: 0
Total Sites: 0
Total Permanently Out Tanks: 3
Regulated Tanks This Fiscal Year: 0
Tanks On Indain Land: Not reported
Number of AST's: 0
Total Temp Closed Tanks: 0
Number Of Retired Tanks: 0

Facility ID: 10303 125 859 County Code: 125
Account Number: 10303 Site ID: 859
Owner: ARMSTRONG OIL CO INC
Owner Address: 133 SKYLAND BLVD.
Owner CSZ: TUSCALOOSA, AL 35405
Owner Phone: 2053491666
Owner Contact: PARKER PATTON,
Contact Name: TERRELL DAVIDSON
Contact Phone: 2053491666
Tank Number: 1846 Capacity: 3000
Tank Status: Permanently Closed
Install Date: 01/01/79
Sold Date: 01/01/01 Removal Date: 05/24/99
Compartments: 1
Tank Contents: Unleaded Gasoline
Tank Usage: Retail
Tank Construction Material: Steel
Tank Corrosion Protection: Intierior Lined, None or Painted (ex. asphalt)
External Pipe Protection Installed Date: 01/01/01
Piping Material of Construction: Bare Steel
Other Pipe: Not reported
Total Regulated Tanks Owned: 0
Total Sites: 0

CIRCLE C #8 (Continued) **U001715268**

Total Permanently Out Tanks:	3
Regulated Tanks This Fiscal Year:	0
Tanks On Indain Land:	Not reported
Number of AST's:	0
Total Temp Closed Tanks:	0
Number Of Retired Tanks:	0

A4
SSE
1/4-1/2
2354 ft.

Relative:
Higher

Actual:
192 ft.

RACEWAY #717 (&92-07-16) **LUST** **S102232221**
3127 9TH ST. **N/A**
TUSCALOOSA, AL

Site 1 of 2 in cluster A

LUST:

Facility ID:	9589
Account Number:	14001
Owner Name:	RACETRAC PETROLEUM, INC.
Owner Address:	P. O. BOX 380308
Owner City,St,Zip:	BIRMINGHAM, AL 35242
Incident Year:	92
Incident Month:	7
Incident Number:	UST92-7-17
NFA Issued:	**Yes**

Facility ID:	9589
Account Number:	14001
Owner Name:	RACETRAC PETROLEUM, INC.
Owner Address:	P. O. BOX 105035
Owner City,St,Zip:	ATLANTA, GA 30348
Incident Year:	92
Incident Month:	7
Incident Number:	UST92-7-16
NFA Issued:	**Yes**

A5
South
1/4-1/2
2423 ft.

Relative:
Higher

Actual:
192 ft.

SULLIVAN CHEVRON **LUST** **U003205400**
3210 9TH ST **UST** **N/A**
TUSCALOOSA, AL 35401

Site 2 of 2 in cluster A

LUST:

Facility ID:	7991
Account Number:	13307
Owner Name:	MATHEWS & MATHEWS
Owner Address:	2138 GREENSBORO AVE.
Owner City,St,Zip:	TUSCALOOSA, AL 35401
Incident Year:	93
Incident Month:	10
Incident Number:	UST93-10-3
NFA Issued:	**Yes**

UST:

Facility ID:	13307 125 7991	County Code:	125
Account Number:	13307	Site ID:	7991
Owner:	MATHEWS & MATHEWS INC		
Owner Address:	P O BOX 578		

SULLIVAN CHEVRON (Continued) **U003205400**

Owner CSZ:	JASPER, AL 35502		
Owner Phone:	2052214747		
Owner Contact:	WILLIAM M MATHEWS PAUL LAWSON		
Contact Name:	J D SULLIVAN		
Contact Phone:	2057528212		
Tank Number:	21110	Capacity:	1000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/52		
Sold Date:	01/01/01	Removal Date:	03/17/92
Compartments:	1		
Tank Contents:	Unleaded Gasoline		
Tank Usage:	Not reported		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	4		
Regulated Tanks This Fiscal Year:	0		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	5		
Number Of Retired Tanks:	6		

Facility ID:	13307 125 7991	County Code:	125
Account Number:	13307	Site ID:	7991
Owner:	MATHEWS & MATHEWS INC		
Owner Address:	P O BOX 578		
Owner CSZ:	JASPER, AL 35502		
Owner Phone:	2052214747		
Owner Contact:	WILLIAM M MATHEWS PAUL LAWSON		
Contact Name:	J D SULLIVAN		
Contact Phone:	2057528212		
Tank Number:	21111	Capacity:	1000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/57		
Sold Date:	01/01/01	Removal Date:	03/17/92
Compartments:	1		
Tank Contents:	Diesel		
Tank Usage:	Not reported		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	4		
Regulated Tanks This Fiscal Year:	0		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	5		
Number Of Retired Tanks:	6		

Facility ID:	13307 125 7991	County Code:	125

SULLIVAN CHEVRON (Continued) **U003205400**

Account Number:	13307	Site ID:	7991
Owner:	MATHEWS & MATHEWS INC		
Owner Address:	P O BOX 578		
Owner CSZ:	JASPER, AL 35502		
Owner Phone:	2052214747		
Owner Contact:	WILLIAM M MATHEWS PAUL LAWSON		
Contact Name:	J D SULLIVAN		
Contact Phone:	2057528212		
Tank Number:	21112	Capacity:	3000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/66		
Sold Date:	01/01/01	Removal Date:	03/17/92
Compartments:	1		
Tank Contents:	Unleaded Gasoline		
Tank Usage:	Not reported		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	4		
Regulated Tanks This Fiscal Year:	0		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	5		
Number Of Retired Tanks:	6		

Facility ID:	13307 125 7991	County Code:	125
Account Number:	13307	Site ID:	7991
Owner:	MATHEWS & MATHEWS INC		
Owner Address:	P O BOX 578		
Owner CSZ:	JASPER, AL 35502		
Owner Phone:	2052214747		
Owner Contact:	WILLIAM M MATHEWS PAUL LAWSON		
Contact Name:	J D SULLIVAN		
Contact Phone:	2057528212		
Tank Number:	21113	Capacity:	3000
Tank Status:	**Permanently Closed**		
Install Date:	01/01/66		
Sold Date:	01/01/01	Removal Date:	03/17/92
Compartments:	1		
Tank Contents:	Unleaded Gasoline		
Tank Usage:	Not reported		
Tank Construction Material:	Steel		
Tank Corrosion Protection:	None or Painted (ex. asphalt)		
External Pipe Protection Installed Date:	01/01/01		
Piping Material of Construction:	Bare Steel		
Other Pipe:	Not reported		
Total Regulated Tanks Owned:	0		
Total Sites:	0		
Total Permanently Out Tanks:	4		
Regulated Tanks This Fiscal Year:	0		
Tanks On Indain Land:	Not reported		
Number of AST's:	0		
Total Temp Closed Tanks:	5		

SULLIVAN CHEVRON (Continued) **U003205400**

Number Of Retired Tanks: 6

6
WNW
1/4-1/2
2535 ft.

FORMER TEXACO STA/PARKER PROPERTY **LUST** **S105900003**
2403 GREENSBORO AVE **N/A**
TUSCALOOSA, AL

Relative:
Lower

Actual:
171 ft.

LUST:

Facility ID:	1238
Account Number:	10045
Owner Name:	PARKER ESTATES (C/O AMSOUTH BANK)
Owner Address:	PO BOX 11426
Owner City,St,Zip:	BIRMINGHAM, AL 35202
Incident Year:	96
Incident Month:	9
Incident Number:	UST96-9-16
NFA Issued:	**Yes**

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TUSCALOOSA	S107150547	FEDERAL BUILDING-DOWNTOWN TUSCALOOSA	20TH AVE E, 23RD AVE W, UNIVERSITY, / 8T		VCP
TUSCALOOSA	S106723917	FEDERAL BUILDING-DOWNTOWN TUSCALOOSA	20TH AVE E, 23RD AVE W, UNIVERSITY N., /		SHWS
TUSCALOOSA	S105162809	RENAISSANCE LLC	22ND AVENUE 4TH STREET		SHWS
TUSCALOOSA	U003032958	D&G ENTERPRISES (STEVENS GROCERY)	HWY 37	35401	UST
TUSCALOOSA	U000765067	RANDOLPH GROCERY	HWY 69 N	35401	UST
TUSCALOOSA	S102230978	CHATHAM OIL #229	HIGHWAY 69 S		LUST
TUSCALOOSA	1000273561	BALL & DILL INC	HWY 82 S	35401	RCRA-SQG, FINDS, CERC-NFRAP
TUSCALOOSA	S105703654	RACEWAY # 712	2804 HIGHWAY 82 BYPASS		LUST
TUSCALOOSA	S106760763	WILSON'S TRUCK STOP	HIGHWAY 82		LUST
TUSCALOOSA	S105862746	L.C. HARRIS LANDFILL	3251 65TH AVENUE	35401	SWF/LF
TUSCALOOSA	S106760580	LOTS 11,12,13,&14 (TUSCALOOSA)	BLK 12 UNIVERSITY PLACE		LUST
TUSCALOOSA	S107513375	SPEEDMART NO. 204	3509 CULVER HWY	35401	LUST
TUSCALOOSA	U001864253	DANIEL P GARRETT JR	1833 EUTAW HWY	35401	UST
TUSCALOOSA	1004670761	ZIPPY MART AL-504	2030 EUTUAW HIGHWAY	35401	RCRA-SQG, FINDS
TUSCALOOSA	89127908	FINNELL BRIDGE (HWY 82) WARRIOR RIVER	FINNELL BRIDGE (HWY 82) WARRIOR RIVER		ERNS
TUSCALOOSA	1000220947	ABLES GARAGE	GREENSBORO AVE 2403	35401	RCRA-SQG, FINDS
TUSCALOOSA	1004654428	TUSCALOOSA GAS-2ND STREET	210502207 JACK WARNER PARKWAY	35401	CERCLIS, FINDS
TUSCALOOSA	U003311405	#39 LIFT STATION MERCEDES HWY	MERCEDES HWY	35401	AST
TUSCALOOSA	S103212966	ELK CORP OF ALABAMA/TUSCALOOSA WAREHOUSE	DO NOT HAVE ADDRESS AS OF YET		SHWS
TUSCALOOSA	1001814477	TUSCALOOSA GAS, ELECTRIC LIGHT & POWER CO.	E. OF MONROE B/W PINE AND BROAD	35401	CERCLIS, FINDS
TUSCALOOSA	S102231671	SNIDER'S GRO.	OLD HIGHWAY 11 VANCE		LUST
TUSCALOOSA	S106760562	MIDFIELD AUTO SALES - TUSC. PROPERTY	U S HWY 82 / U S 11		LUST
TUSCALOOSA	1003867516	HARRIS TRASH SITE	SOUTHMONT DR & OLD HWY 69	35401	CERC-NFRAP
TUSCALOOSA	U001861724	HENRY STEVENS SERVICE STATION	9TH ST	35401	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/21/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/12/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Every 4 Years

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

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

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

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

STATE AND LOCAL RECORDS

SHWS: Hazardous Substance Cleanup Fund
Hazardous substance sites, which pose a threat to public health and the environment, which will be cleaned up utilizing the Hazardous Substance Cleanup Fund.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/10/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 37

Source: Department of Environmental Management
Telephone: 334-271-7984
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

SWF/LF: Permitted Landfills
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/01/2005
Date Data Arrived at EDR: 11/22/2005
Date Made Active in Reports: 12/23/2005
Number of Days to Update: 31

Source: Department of Environmental Management
Telephone: 334-271-7988
Source: Department of Environmental Management, GIS Section
Telephone: 334-271-7700
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Annually

SWRCY: Recycling/Recovered Materials Processors Directory
A listing of recycling facilities.

Date of Government Version: 09/01/2003
Date Data Arrived at EDR: 02/25/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 31

Source: Department of Economic & Community Affairs
Telephone: 334-242-5336
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Varies

LUST: Leaking Underground Storage Tank Listing
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/27/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 20

Source: Department of Environmental Management
Telephone: 334-270-5655
Last EDR Contact: 04/27/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Quarterly

AOCONCERN: Area of Concern
Property boundary of the Redstone Arsenal facility.

Date of Government Version: N/A
Date Data Arrived at EDR: 08/13/2001
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Department of the Army
Telephone: N/A
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Information

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/17/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 334-270-5655
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

LAST: List of AST Release Incidents

A listing of aboveground storage tank releases that have been reported to ADEM. These are primarily smaller retail ASTs and smaller bulk plant ASTs.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 16

Source: Department of Environmental Management
Telephone: 334-271-7712
Last EDR Contact: 04/25/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

AST: Aboveground Storage Tank Sites

Aboveground storage tank locations.

Date of Government Version: 04/17/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 28

Source: Department of Environmental Management
Telephone: 334-271-7926
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

SPILLS: Emergency Response Data

Date of Government Version: 05/16/2006
Date Data Arrived at EDR: 05/22/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 334-394-4382
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

INST CONTROL: Land Division Brownfields 128(a) Program Site Listing

Institutional Controls (ICs) are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of a remedy by limiting land or resource use. There are five different types of controls. These are governmental, proprietary, enforcement tools with IC components, informational devices and unrestricted. Unrestricted- No institutional controls (unrestricted for industrial and residential use). Governmental- controls implemented and enforced by state and local governments. (zoning restrictions, ordinances, building permits, etc.). Proprietary- controls which have their basis in real property law (easements, covenants). Enforcement and Permit Tools with IC components- these controls are issued to compel land owners to limit certain site activities on both federal and private sites. Informational devices- informational tools with provide information or notification that residual or capped contamination may remain on site (deed or hazard notices).

Date of Government Version: 03/03/2005
Date Data Arrived at EDR: 05/03/2005
Date Made Active in Reports: 05/13/2005
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 04/13/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Varies

VCP: Cleanup Program Inventory

Currently the Cleanup Inventory List contains information about sites undergoing assessment and possible cleanup under Alabama's Brownfield Redevelopment and Voluntary Cleanup Program. It also includes sites that have exited the program but were remediated to less than unrestricted levels.

Date of Government Version: 04/05/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 34

Source: Department of Environmental Management
Telephone: 334-271-7700
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

BROWNFIELDS: Land Division Brownfields 128(a) Program Site Listing
A listing of Brownfields activities performed by ADEM.

Date of Government Version: 03/03/2005
Date Data Arrived at EDR: 05/03/2005
Date Made Active in Reports: 05/13/2005
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 334-271-7735
Last EDR Contact: 04/13/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Varies

CDL: Clandestine Methamphetamine Lab Sites
Clandestine methamphetamine lab locations seized by law enforcement agencies.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/18/2005
Date Made Active in Reports: 04/01/2005
Number of Days to Update: 42

Source: Department of Environmental Management
Telephone: 334-271-7700
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 04/05/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 07/07/2006
Number of Days to Update: 37

Source: Department of Environmental Management
Telephone: 334-260-2714
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

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

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Centers
Source: Department of Human Resources
Telephone: 334-242-1425

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, AL 35401

TARGET PROPERTY COORDINATES

Latitude (North):	33.18710 - 33˚ 11' 13.6''
Longitude (West):	87.5515 - 87˚ 33' 5.4''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	448588.7
UTM Y (Meters):	3671972.8
Elevation:	183 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33087-B5 TUSCALOOSA, AL
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

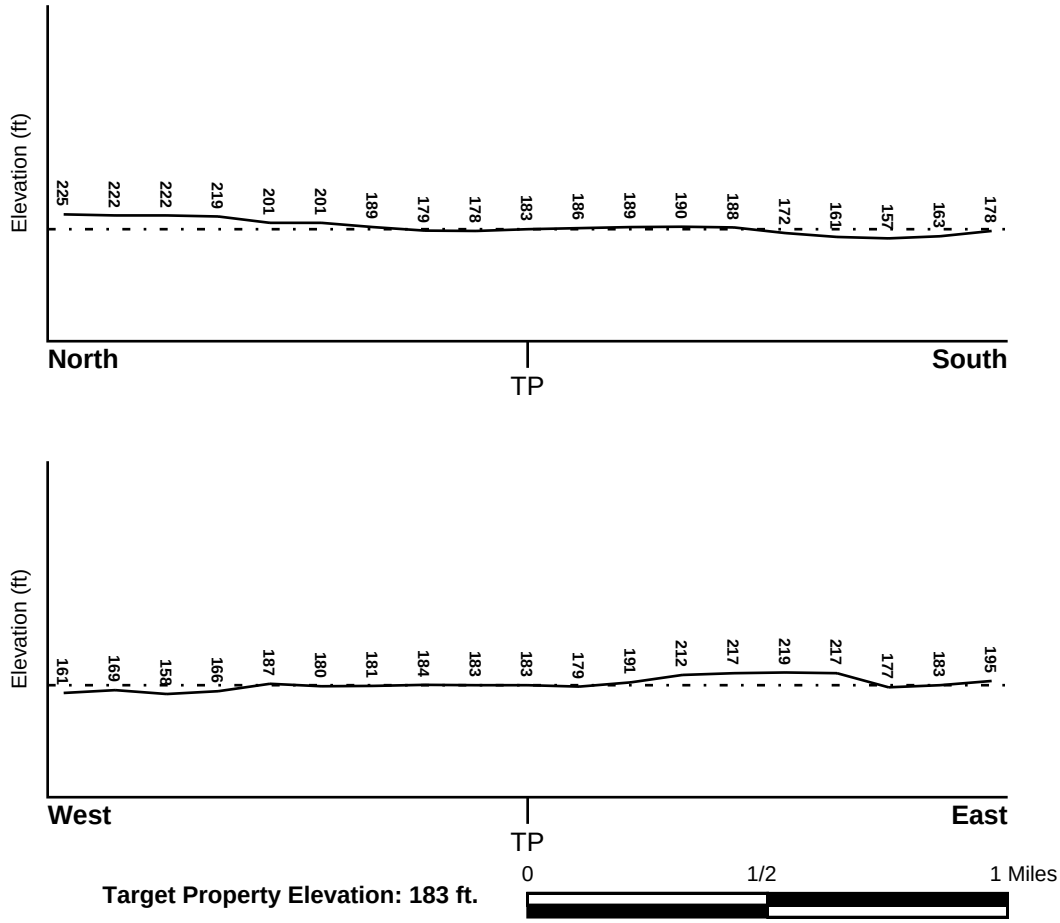
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 183 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
TUSCALOOSA, AL	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0102030045B

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TUSCALOOSA	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Woodbine and Tuscaloosa Groups
Code:	uK1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	SMITHDALE
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel:	LOW
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
2	11 inches	38 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	38 inches	80 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
sandy loam
loam

Surficial Soil Types: silt loam
sandy loam
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sandy loam
stratified
sandy clay loam
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2347471	1/2 - 1 Mile SW
A2	USGS2347472	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

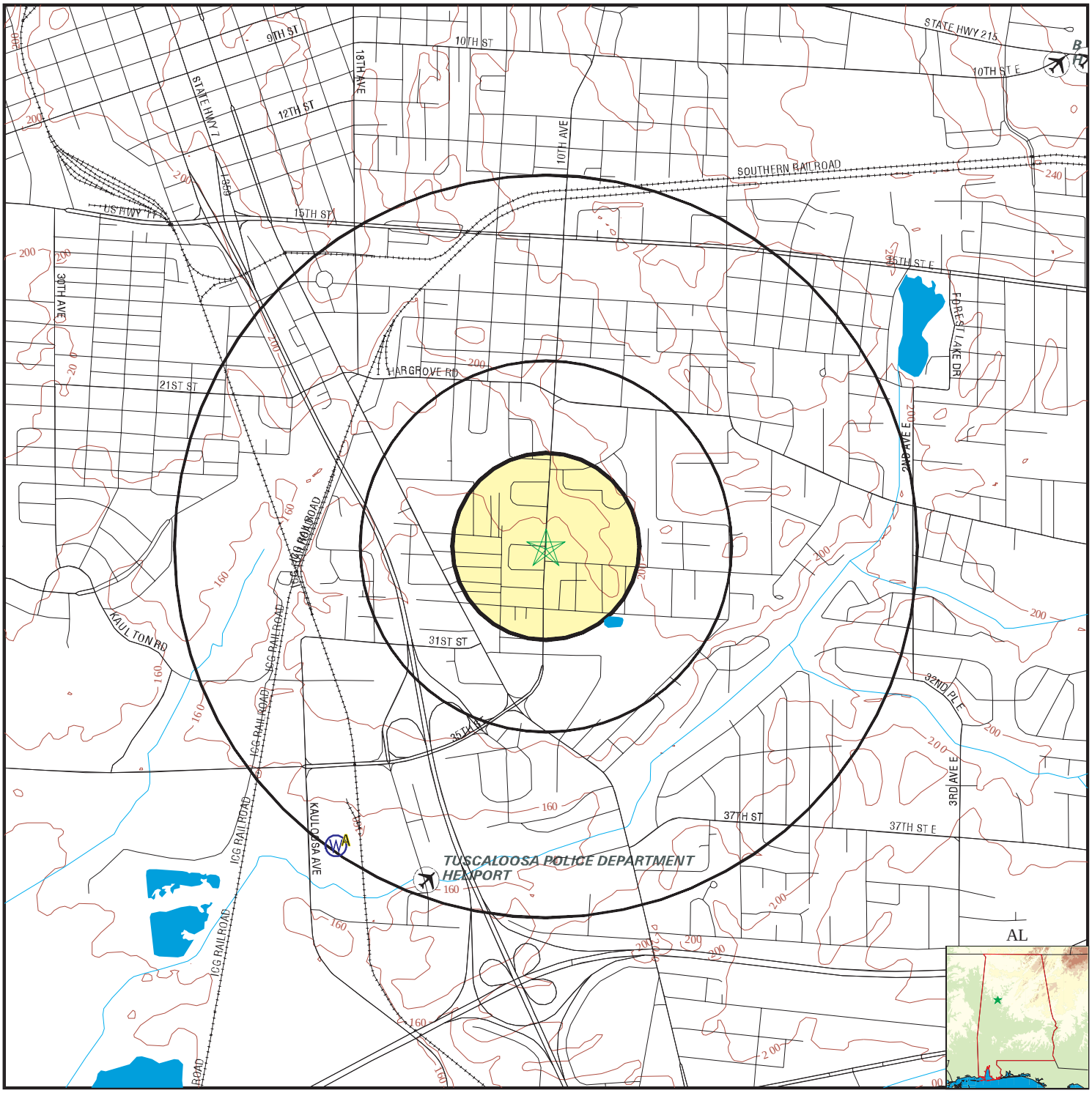
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01715536.135r



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location

N

SITE NAME: FINNELL AFRC & AMSA 51 ADDRESS: 2627 10TH AVE TUSCALOOSA AL 35401 LAT/LONG: 33.1871 / 87.5515	CLIENT: FMSM Engineers CONTACT: Robert Newman INQUIRY #: 01715536.135r DATE: July 14, 2006

Copyright © 2006 EDR, Inc. © 2006 Tele Atlas Rel. 07/2005.

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2347471**

Agency cd:	USGS	Site no:	331031087334001
Site name:	EE-120 PECO EGG CO.		
Latitude:	331031		
Longitude:	0873340	Dec lat:	33.17539717
Dec lon:	-87.56111756	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	01
State:	01	County:	125
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	150.00	Altitude method:	U
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Lower Black Warrior. Alabama. Area = 1450 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Confined single aquifer		
Aquifer:	TERRACE (AND SURFICIAL) DEPOSITS		
Well depth:	42	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1970-11-12
Water quality data end date:	1970-11-12	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A2 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2347472**

Agency cd:	USGS	Site no:	331031087334101
Site name:	EE-128 U.S.G.S.		
Latitude:	331031		
Longitude:	0873341	Dec lat:	33.17539717
Dec lon:	-87.56139535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	01
State:	01	County:	125
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	150.00	Altitude method:	U
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Lower Black Warrior. Alabama. Area = 1450 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Confined single aquifer		
Aquifer:	TERRACE (AND SURFICIAL) DEPOSITS		
Well depth:	25	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1968-08-27
Water quality data end date:	1970-06-05	Water quality data count:	9
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: AL Radon

Radon Test Results

County	Zip	City	Total Sites	< 4 pCi/L	>=4 pCi/L	% of sites >=4 pCi/L
TUSCALOOSA	35401	TUSCALOOSA	29	26	3	10.34

Federal EPA Radon Zone for TUSCALOOSA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 35401

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.800 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Alabama Wells Data
Source: Department of Environmental Management
Telephone: 334-271-7985

OTHER STATE DATABASE INFORMATION

RADON

State Database: AL Radon
Source: Department of Public Health
Telephone: 334-206-5391
Short-Term Test Results for Alabama Counties

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Fax To: FMSM Engineers
Contact: Robert Newman
Fax : 502-212-5055
Date: 07/14/2006

Fax From: Jeff Weiss
EDR
Phone: 1-800-352-0050

EDR PUR-IQ® Report

"the intelligent way to conduct historical research"

for
FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, AL 35401
Lat./Long. 33.18710 / 87.55150
EDR Inquiry # 01715536.135r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports® comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

1. City Directory: Coverage exists for portions of TUSCALOOSA, AL for 1966-2001

2. Fire Insurance Map: When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.

3. Aerial Photograph: Aerial photography coverage may exist for portions of Tuscaloosa County. Please contact your EDR Account Executive for information about USGS photos available through EDR.

4. Topographic Map: The USGS 7.5 min. quad topo sheet(s) associated with this site:

Historical: Coverage exists for Tuscaloosa County

Current: Target Property: TP | 1983 | 33087-B5 Tuscaloosa, AL

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for TUSCALOOSA, AL. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.

EDR™ Environmental Data Resources Inc

EDR - HISTORICAL SOURCE(S) ORDER FORM

FMSM Engineers
Robert Newman
Account # 1022764

FINNELL AFRC & AMSA 51
2627 10TH AVE
TUSCALOOSA, AL 35401
Tuscaloosa County
Lat./Long. 33.18710 / 87.55150
EDR Inquiry # 01715536.135r

Should you wish to change or add to your order, fax this form to your EDR account executive:

Jeff Weiss
Ph: 1-800-352-0050 Fax: 1-800-231-6802

Reports

___ EDR Sanborn Map® Search/Print

___ EDR Fire Insurance Map Abstract

___ EDR Multi-Tenant Retail Facility® Report

___ EDR City Directory Abstract

___ EDR Aerial Photo Decade Package

___ USGS Aerial 5 Package

___ USGS Aerial 3 Package

___ EDR Historical Topographic Maps

___ Paper Current USGS Topo (7.5 min.)

___ Environmental Lien Search

___ Chain of Title Search

___ NJ MacRaes Industrial Directory Report

___ EDR Telephone Interview

Shipping:

___ Email
___ Express, Next Day Delivery — RUSH SERVICE IS AVAILABLE
___ Express, Second Day Delivery
___ Express, Next day Delivery — Customer Account — Acct # _____
___ Express, Second Day Delivery — Customer Account — Acct # _____
___ U.S. Mail

Thank you

Fuller Mossbarger Scott & May
FMSM
ENGINEERS

1409
North Forbes Road
Lexington, Kentucky
40511-2050

859-422-3000
859-422-3100 FAX

www.fmsmengineers.com

August 7, 2006

O.1.1.LV2006038L02

Alabama Department of Environmental Management
Air Division
PO Box 301463
Montgomery, Alabama 36130-1463

Re: Environmental Baseline Survey
Department of Defense Base Realignment and Closure (BRAC)

Dear Sir or Madam:

We have been contracted by the US Army Corps of Engineers to perform Environmental Baseline Surveys on the sites that are to be effected by BRAC. Our sites in Alabama are as follows:

Faith Wing USARC	215 Regimental Avenue Fort McClelland, Alabama
BG William P. Screws USARC	4050 Atlanta Highway Montgomery Alabama
Wright USARC	1900 Hurtel Avenue Mobile, Alabama
Harry L. Gary Jr. USARC	801 Mill Avenue Enterprise, Alabama
PFC Grady C. Anderson USARC	358 Elba Highway Troy, Alabama
Finnell AFRC/AMSA51	2627 10th Avenue Tuscaloosa, Alabama
Cleveland Leight Abbot USARC	2202 VA Hospital Road Tuskegee, Alabama

We would appreciate it very much if you could provide us with any information that your branch could provide us regarding environmental incidents at or in the immediate vicinity of these sites.

Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT AND MAY
ENGINEERS, INC.

Ronald W. Yost, PG
Senior Geologist

/rws

ADEM

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

POST OFFICE BOX 301463 36130-1463 ♦ 1400 COLISEUM BLVD. 36110-2059
MONTGOMERY, ALABAMA
WWW.ADEM.STATE.AL.US
(334) 271-7700

ONIS "TREY" GLENN, III, P.E.
DIRECTOR

BOB RILEY
GOVERNOR

Facsimiles: (334)
Administration: 271-7950
General Counsel: 394-4332
Communication: 394-4383
Air: 279-3044
Land: 279-3050
Water: 279-3051
Groundwater: 270-5631
Field Operations: 272-8131
Laboratory: 277-6718
Mining: 394-4326

RECEIVED
SEP 11 2006
FULLER, MOSSBARGER, SCOTT AND MAY ENGINEERS, INC.

September 6, 2006

Mr. Ronald Yost, PG
Senior Geologist
FMSM Engineers
1409 North Forbes Road
Lexington, Kentucky 40511-2050

Re: Environmental Baseline Survey
Department of Defense Base Realignment and Closure (BRAC)

Dear Mr. Yost:

This is in response to your letter dated August 7, 2006, requesting information regarding any environmental incidents at or in the immediate vicinity of the following sites in Alabama:

Faith Wing USARC	215 Regimental Avenue Fort McClelland, Alabama
BG William P. Screws USARC	4050 Atlanta Highway Montgomery, Alabama
Wright USARC	1900 Hurtel Avenue Mobile, Alabama
Harry L. Gary Jr. USARC	801 Mill Avenue Enterprise, Alabama
PFC Grady C. Anderson USARC	358 Elba Highway Troy, Alabama
Finnell AFRC/AMSA51	2627 10th Avenue Tuscaloosa, Alabama
Cleveland Leight Abbot USARC	2202 VA Hospital Road Tuskegee, Alabama

Based on our review, we have determined that the Department has no information on file regarding environmental incidents concerning air emissions at or in the immediate vicinity of these sites.

If you have any questions regarding this matter, please contact Charles Killebrew in Montgomery at (334) 270-5676.

Sincerely,

Ronald W. Gore, Chief
Air Division

RWG/CVK:cvk

Fuller Mossbarger Scott & May
FMSM ENGINEERS

1409
North Forbes Road
Lexington, Kentucky
40511-2050

859-422-3000
859-422-3100 FAX

www.fmsmengineers.com

AUG 2006
RECEIVED
WATER
DIVISION

August 7, 2006

O.1.1.LV2006038L010

Alabama Department of Environmental Management
Water Division
PO Box 301463
Montgomery, Alabama 36130-1463

Re: Environmental Baseline Survey
Department of Defense Base Realignment and Closure (BRAC)

Dear Sir or Madam:

We have been contracted by the US Army Corps of Engineers to perform Environmental Baseline Surveys on the sites that are to be effected by BRAC. Our sites in Alabama are as follows:

Faith Wing USARC	215 Regimental Avenue Fort McClelland, Alabama
BG William P. Screws USARC	4050 Atlanta Highway Montgomery Alabama
Wright USARC	1900 Hurtel Avenue Mobile, Alabama
Harry L. Gary Jr. USARC	801 Mill Avenue Enterprise, Alabama
PFC Grady C. Anderson USARC	358 Elba Highway Troy, Alabama
Finnell AFRC/AMSA51	2627 10th Avenue Tuscaloosa, Alabama
Cleveland Leight Abbot USARC	2202 VA Hospital Road Tuskegee, Alabama

We would appreciate it very much if you could provide us with any information that your branch could provide us regarding environmental incidents at or in the immediate vicinity of these sites.

Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT AND MAY
ENGINEERS, INC.

Ronald W. Yost, PG
Senior Geologist

/rws

Ron Yost

From: Warren, Lee [DLW@adem.state.al.us]
Sent: Monday, September 11, 2006 4:55 PM
To: Ron Yost
Subject: Requested Written Statement to August 7, 2006 Letter from FMSM Engineers
Attachments: im55200306141512.pdf

Mr. Yost,

After review of Industrial records, the Industrial Section is currently unaware of any "environmental incidents" that have occurred at the seven sites referenced in your August 7, 2006 letter. However, Scott Demick/Permits and Services (334) 271-7712 should be contacted regarding file reviews. Also, the Groundwater Branch (334) 270-5655 should be contacted regarding any remediation(s) in the areas and Field Operations Division (334) 260-2700 should be contacted regarding possible spill responses in the areas.

If you have any questions, please feel free to contact me.

Lee Warren
Industrial Section/Water Division
ADEM
(334) 271-7845

This email and any files transmitted with it are confidential and intended solely fo

This email has been scanned for known viruses but that does not necessarily guarante

1409
North Forbes Road
Lexington, Kentucky
40511-2050

859-422-3000
859-422-3100 FAX

www.fmsmengineers.com

Fuller Mossbarger Scott & May
FMSM
ENGINEERS

August 7, 2006

O.1.1.LV2006038L01

Alabama Department of Environmental Management
Solid Waste Branch
PO Box 301463
Montgomery, Alabama 36130-1463

Re: Environmental Baseline Survey
Department of Defense Base Realignment and Closure (BRAC)

Dear Sir or Madam:

We have been contracted by the US Army Corps of Engineers to perform Environmental Baseline Surveys on the sites that are to be effected by BRAC. Our sites in Alabama are as follows:

Faith Wing USARC	215 Regimental Avenue Fort McClelland, Alabama
BG William P. Screws USARC	4050 Atlanta Highway Montgomery, Alabama
Wright USARC	1900 Hurtel Avenue Mobile, Alabama
Harry L. Gary Jr. USARC	801 Mill Avenue Enterprise, Alabama
PFC Grady C. Anderson USARC	358 Elba Highway Troy, Alabama
Finnell AFRC/AMSA51	2627 10th Avenue Tuscaloosa, Alabama
Cleveland Leight Abbot USARC	2202 VA Hospital Road Tuskegee, Alabama

We would appreciate it very much if you could provide us with any information that your branch could provide us regarding environmental incidents at or in the immediate vicinity of these sites.

Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT AND MAY
ENGINEERS, INC.

Ronald W. Yost, PG
Senior Geologist

/rws

Fuller Mossbarger Scott & May
FMSM
ENGINEERS

1409
North Forbes Road
Lexington, Kentucky
40511-2050

859-422-3000
859-422-3100 FAX

www.fmsmengineers.com

August 7, 2006

O.1.1.LV2006038L03

Alabama Department of Public Health
Tuscaloosa Office
PO Box 70190
Tuscaloosa, Alabama 35407

Re: Environmental Baseline Study
Department of Defense Base Realignment and Closure (BRAC)
Finnell AFRC/AMSA S1
2627 10th Avenue
Tuscaloosa, Alabama

Dear Sir or Madam:

We have been contracted by the US Army Corps of Engineers to perform an Environmental Baseline Study at the Finnell AFRC/AMSA 51 located at 2627 10th Avenue in Tuscaloosa, Alabama. We would appreciate it very much if you would provide us with any information your office might have regarding environmental incidents at or in the immediate vicinity of this site.

Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT AND MAY
ENGINEERS, INC.

Ronald W. Yost, PG
Senior Geologist

/rws