FINAL

ENVIRONMENTAL CONDITION OF PROPERTY REPORT

JESSE F. NIVEN JR.
U.S. ARMY RESERVE CENTER (NC001)
1816 EAST MAIN STREET
ALBEMARLE, NC 28001

Prepared For:

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

MARCH 2007

CERTIFICATION

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

March 2007

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, has prepared this ECP Report for the Jesse F. Niven Jr. U.S. Army Reserve (USAR) Center (Facility ID NC001), hereafter referred to as the "Site" or "USAR Center." The Site is located at 1816 East Main Street, Albemarle, North Carolina and encompasses approximately 4.4 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 USAR Center facility is situated on approximately 4.4 acres of land with five permanent buildings: an 11,568 square-foot USAR Center building, a 1,296 square-foot Organizational Maintenance Shop (OMS), a unit storage building, a hazardous materials (HAZMAT) shed, and a potentially polluting materials (PPM) shed. At the time of the site visit the USAR Center was occupied by the 227th Transportation Company.

Based on a review of aerial photographs and U.S. Geological Survey (USGS) topographic maps dating back to 1961, the Site has served as a USAR Center since prior to 1961. The USAR Center building and OMS were constructed in 1959.

Areas of potential environmental concern were reviewed and FMSM identified petroleum impacts relating to the USAR use of this property. The North Carolina Department of Environment and Natural Resources (NCDENR) has requested risk-based assessment and corrective action for the confirmed release from a petroleum underground storage tank (UST) and elevated levels of total petroleum hydrocarbons (TPH) were detected in soil samples from the vicinity of the oil/water separator (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. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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LIST OF ACRONYMS

ACM	asbestos-containing material
AR	army regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CERFA	Community Environmental Response Facilitation Act
DoD	Department of Defense
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
FEMA	Federal Emergency Management Agency
HAZMAT	hazardous materials
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking
NCCMP	North Carolina Coastal Management Plan
NPL	National Priorities List
NRHP	National Register of Historic Places
OMS	organizational maintenance shop
OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/l	picoCuries per liter
PPM	potentially polluting materials
POV	privately-owned vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RRC	Regional Readiness Command

Site	NC001
TSD	treatment, storage, or disposal
TPH	total petroleum hydrocarbons
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UXO	unexploded ordnance

1.0 INTRODUCTION

FMSM was contracted by the USACE – Louisville District, to prepare an ECP Report for the Jesse F. Niven Jr. USAR Center (NC001). The facility is located at 1816 East Main Street, Albemarle, North Carolina, hereafter referred to as the "Site" or "USAR Center". In support of the ECP Report, a visual reconnaissance of the Site was conducted on 3 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 1 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 1 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 addresses the USAR Center located at 1816 East Main Street, Albemarle, North Carolina. The property is bound by East Albemarle Elementary School to the west, and commercial development to the north, east and south. Site maps are provided in Appendix A. Appendix B provides photographs taken during the August 2006 site visit. Appendix C includes a deed provided by the 81st Regional Readiness Command (RRC) and the property and chain of title information provided by EDR. The deed and chain of title report only document the main 3.92 acre parcel. According to 81st RRC personnel, the additional 0.52 acres of the property consists of two perpetual easements: 0.11 acre is a ditch easement and 0.41 acre is a driveway easement. Historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) reports.

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 USAR Center is located in the central portion of Stanly County, North Carolina, within the city limits of Albemarle, North Carolina. The site is located in a primarily commercial area, with a school bordering the Site to the west. Figure 1 in Appendix A provides a general site location map.

2.2 ASSET INFORMATION

Facility Name and Address:	Jesse F Niven Jr. USARC (NC001) 1816 East Main Street Albemarle, NC 28001
Property Owner:	United States Government
Date of Ownership:	18 November 1957
Current Occupant:	227th Transportation Company
Zoning:	GHBD – General Highway Business District
County, State:	Stanly County, North Carolina
USGS Quadrangle(s):	Albemarle, North Carolina
Section/Township/Range:	Not Applicable
Latitude/Longitude:	35.350800 N; 80.166500 W
Property Description:	The USAR Center consists of three parcels of land: one owned parcel and two easements. A copy of the deed for the main parcel, which includes a legal description, is provided in Appendix C.

2.3 PHYSICAL DESCRIPTION

The USAR Center is situated on 4.44 acres of land with five permanent structures: the 11,568 square-foot USAR Center building, a 1,296 square-foot OMS, the PPM shed, the HAZMAT shed, and the unit storage building. The PPM storage shed is constructed of concrete block and the HAZMAT shed is constructed of concrete block with a brick veneer. Both buildings are located adjacent to the OMS. The unit storage building is a sheet metal structure on a concrete slab and is located adjacent to the USAR Center

building immediately north of the assembly hall. The USAR Center building and OMS were constructed in 1959 and the HAZMAT shed and unit storage building were constructed in 1980. No date of construction was available for the PPM shed.

Both the USAR Center building and OMS building consist of concrete block walls covered with a brick veneer. A military equipment parking (MEP) area and a privately-owned vehicle (POV) parking area are also contained within the Site. Photographs 1 and 15 in Appendix B provide views of the POV and MEP areas, respectively. Chain-link security fencing topped with barbed wire encloses the MEP area, OMS building, storage buildings, and the east section of the property. Approximately three-fourths of the Site is covered by impervious surface features (e.g. asphalt parking areas, driveways, concrete walkways, building footprints, etc.). The remaining ground surface is covered by lawn area and a sparse population of deciduous trees. Topographically, the Site slopes gently to the east. Figure 2 in Appendix A provides a current plan view layout of the Site. Appendix B provides photographs taken during the August 2006 site visit.

The USAR Center building consists of a 1-story, rectangular shaped structure. It includes an assembly hall connected by an enclosed hallway on the east side of the building. Photograph 1 in Appendix B provides a front view (facing north) of the exterior of the building. Photograph 11 in Appendix B provides a side view (facing west) of the exterior of the unit storage building outside the assembly hall. The interior of the USAR Center building consists of office space, classrooms, kitchen area, storage, and two inactive arms vaults. Photographs 2 through 9 in Appendix B provide interior views of the USAR Center building. Figure 3 in Appendix A provides a layout of the interior of the USAR Center building.

The OMS building is a 1-story, rectangular shaped structure. The OMS building contains a work bay area and an office. A separate office was added to the south end of the OMS after 1999. Overhead metal, retractable doors are located on the west wall of the building. Photograph 16 in Appendix B shows the front (west) view of the OMS building. Photographs 21 through 22 in Appendix B show the interior of the OMS building. Figure 4 in Appendix A provides a layout of the interior of the OMS building.

The unit storage building consists of a 1-story, rectangular-shaped structure with a concrete slab floor and metal walls and roof. The unit storage building consists of a caged storage area used mainly for field equipment. Photographs 11 and 12 in Appendix B show exterior and interior views of the unit storage building. Figure 5 in Appendix A provides a layout of the interior of the unit storage building.

Vehicle washing historically occurred in the wash rack located southwest of the OMS building. A floor drain in the wash rack carried discharge water to the in-ground OWS located to the south of the HAZMAT shed. Historical documents and photographs

indicate the wash rack and OWS were installed between October 1995 and March 1997. There was no documentation regarding the OWS and wash rack prior to 1995.

A HAZMAT storage shed is located south of the OMS (See Photos 19 and 20, in Appendix B). At the time of the site visit the HAZMAT shed contained an empty used oil drum, an empty used antifreeze drum, two 5-gallon containers of lubricating oil, two spray paint cans, and one 55-gallon drum of degreasing solvent. The HAZMAT shed has a containment basin floor with a posted spill capacity of 296 gallons.

A PPM storage shed is located north of the OMS building (see Photos 23-24, in Appendix B). At the time of the site visit the PPM shed contained empty 5-gallon fuel cans and 5-gallon buckets of ice melting compound. The PPM shed had a containment basin floor, but no capacity was posted.

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Figure 6 in Appendix A provides a portion of the 1993 Albemarle, North Carolina United States Geological Survey (USGS) topographic map that includes the Site. As shown, the Site is situated at an elevation of approximately 590 feet above mean sea level and slopes gently to the east. In the immediate vicinity of the Site, the land is flat and slopes downward to the southeast. Three storm drains are located along the east fence line of the MEP. The storm drains discharge into the city stormwater system. No surface water features are located in the immediate vicinity of the Site. The nearest body of water is a tributary of Mountain Creek, located approximately 1/2-mile east of the Site. The tributary reaches Mountain Creek approximately 1.25 miles northeast of the Site, and Mountain Creek eventually empties into the Pee Dee River.

According to the Federal Emergency Management Agency (FEMA) digital Flood Hazard Area map, the Site does not lie within the 100-year floodplain. Figure 7 in Appendix A provides a map showing that the 100-year and 500-year floodplains are not located near the Site.

2.4.2 Geology/Hydrogeological Characteristics

The site is situated in the North Carolina Slate Belt. Bedrock in the area generally consists of Cambrian-age meta-mudstones and meta-argillites of the Floyd Church Formation. Groundwater likely flows through secondary porosity, such as fractures that exist in the bedrock, throughout the region. Groundwater flow direction is likely to follow the ground surface slope, which is to the east in the site area.

According to information from the GeoCheck section of the EDR report the specific type of soil at the Site is from the Tatum series. The soil does not meet the requirements of a hydric soil.

The surface soils are generally silt loams and silty clay loams. These soil types have moderate infiltration rates and are characterized as soils with moderately coarse textures. In a typical profile, the surface layer is approximately 6 inches thick and is a silt clay loam. The subsoil is approximately 36 inches thick and is a silty clay loam.

2.5 SITE UTILITIES

Water Service – The City of Albemarle provides potable water for the Site.

Sanitary Sewer System – The City of Albemarle provides sewer service to the Site and stormwater is discharged to the city stormwater system.

Gas & Electric – Piedmont Natural Gas Company provides gas and the City of Albemarle 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 Federal and State water well databases identified no water supply sources located within 1 mile of the Site.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1936. Appendix C contains a chain of title report completed for the Site. The chain of title report did not identify leases or environmental liens against the USAR Center property. According to historical documentation, the United States of America purchased the property from the Morrow Brothers & Heath Company in 1957. Historical documents do not indicate the land use prior to purchase by the U.S. Government.

Available business directories including City, cross-reference, and telephone directories were reviewed, if available, at approximately 5-year intervals for the years spanning 1964 through 2006. According to a City Directory provided by EDR and dated 11 July 2006, the address of the USAR Center was first listed in the research source in 1964. Subsequent city directory searches list the Site at 1816 East Main Street from 1964 through 2006. Historical documentation supports the 1959 construction date of the USAR Center. A copy of the City Directory is included in Appendix E.

3.2 PAST USES AND OPERATIONS

The U.S. Government purchased the parcel in 1957 for construction of the USAR Center. Construction of the USAR Center building and OMS occurred in 1959. The Site has served as a reserve and mobilization center for the U.S. Army Reserve since that time.

The Site has primarily functioned as an administrative, logistical, and educational facility, with limited maintenance of military vehicles and equipment occurring in the OMS building. The Site was used by reservists for drill activities on various weekends throughout the year. The 227th Transportation Company currently occupies the USAR Center. At the time of the site visit, the USAR Center building contained various items, including desks, office furniture, and folding tables.

The OMS building was used to perform limited maintenance activities on military vehicles and equipment. Activities inside the OMS building were reportedly limited to preventative maintenance checks, including vehicle fluids such as motor oil, water, and antifreeze, and light maintenance activities. Site personnel reported that vehicle maintenance activities have not been conducted at the site since 2005.

The Site operated as a USAR Center from 1959 until the present time. During this period, operations have included vehicle and equipment maintenance and washing in centralized locations (OMS and wash rack). The majority of site documentation and personnel knowledge has typically been limited to the previous 5 to 10 years. Chemicals and petroleum products, as well as maintenance and discharge procedures,

used over the 50-year history of site activities are not well documented. Discharges from these site activities were typically directed to an OWS. Currently, the OWS discharges to the sanitary sewer, however documentation regarding previous OWS discharge methods, maintenance, or operational problems was limited with respect to the overall timeframe the facility has operated. Previous reports state that the OWS has been inspected and appears to function normally.

Historical aerial photographs and topographic maps were the primary source of information on the past use and operations at the Site. Figure 6 and Figures 8 through 12 in Appendix A provide USGS topographical maps from 1981 and 1993 and aerial views of the Site and surrounding areas from 1961, 1977, 1998, and 1999.

The 1961 aerial photograph (Figure 9, in Appendix A) shows what appear to be military vehicles in the MEP area. Only the USAR Center building and OMS are present on the Site. Two buildings are present on the school property to the west. Two small buildings are present south of the Site; the one closest to Main Street appears to be a gas station. There is no development north or east of the Site.

The 1977 aerial photograph (Figure 10, in Appendix A) shows the Site similar to the 1961 aerial photograph, but with an expanded MEP area north of the assembly hall. The properties to the south and east of the Site are similar to the 1961 aerial photograph. To the west a large school building is present and to the southwest a water tower is now present. To the north, two large commercial buildings are present.

The 1981 and 1993 USGS topographical maps (Figures 8 and 6, respectively, in Appendix A) show both the USAR Center building and OMS building. The other site buildings are not shown. The school to the west, the water tower to the southwest and the commercial buildings north of the Site are present.

The 1998 aerial photograph (Figure 11, in Appendix A) shows the Site as similar to current conditions with five buildings, the wash rack and loading ramp present. The adjacent properties north, west and south are similar to the 1977 aerial photograph. The property to the east is developed similar to current conditions.

The 1999 aerial photograph (Figure 12, in Appendix A) shows the Site and surrounding properties similar to the 1998 aerial photograph, but the resolution is poor.

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, search of Federal and State environmental databases, and interviews with Army Reserve personnel.

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities, and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closet located in the USAR Center building. Vehicle maintenance products and small amounts of petroleum, oil, and lubricant products were also stored within designated areas within the OMS building and the HAZMAT and PPM sheds. Hazardous material documentation was not available for past or current inventories. Site personnel were not familiar with uses of hazardous substances prior to 2003, when their assignment began at the Site. Limited quantities (55-gallon or less) of oil, paints and degreasing solvent have also been stored in the HAZMAT shed.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. There is no documentation that CERCLA hazardous substances were stored at the Site for 1 year or more in excess of corresponding reportable quantities.

Limited information is available with respect to chemicals/materials historically stored in the HAZMAT and PPM shed. Used oil has been stored in the HAZMAT shed and in a used oil above-ground storage tank (AST) adjacent to the vehicle wash rack. The PPM shed is currently used to store empty fuel cans and ice melting compound. A limited quantity of materials has been stored on the Site since 2003.

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. According to Army Reserve personnel and site records, on-site disposal of hazardous materials or wastes has not occurred at the Site.

No stained soil or stressed vegetation was observed during the August 2006 site visit. Additionally, the MEP area and POV parking area did not show signs of 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, a single 500-gallon UST was present at the Site adjacent to the OMS. It was removed in 1994 and petroleum concentrations above site cleanup levels were documented in the tank pit. No additional assessment or remediation has been documented. An unused AST is located at the Site. The AST was used to store heating oil but has reportedly been emptied and is no longer in use. There is also one used oil AST located near the wash

rack. Site personnel reported that it has been emptied and has not been used since 2003.

An OWS is present at the Site, however, there is reportedly no used oil tank associated with it. The OWS reportedly discharges to the municipal sewer system. Site personnel stated that no vehicle washing has been performed on-site since December 2005.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

Available site records were provided to FMSM by the 81st RRC. A review of available 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 2005 Spill Prevention Control and Countermeasure Plan

The SPCC Plan was prepared by Environmental Enterprise Group in May 2005, to comply with 40 CFR 112, which provides the guidance for development of a plan to prevent and handle oil and petroleum releases. The plan includes a detailed listing of oil and petroleum products stored at the Site, materials to clean up any spills or releases and key personnel who implement the plan.

3.5.2 2005 Stormwater Pollution Prevention Plan (SWP3)

Environmental Enterprise Group prepared the SWP3 for the Site to comply with National Pollution Discharge Elimination System (NPDES) requirements. The SWP3 is designed to improve stormwater quality by reducing discharge of pollutants from the Site. The plan outlines response plans, training, best management practices, inspections and data monitoring to ensure compliance with applicable NPDES regulations.

3.5.3 2004 Lead-Based Paint Survey Report

A lead-based paint (LBP) survey was performed by Environmental Enterprise Group in March of 2004. The survey included the USAR Center building, OMS, and the HAZMAT shed. LBP was identified in the USAR Center building and the OMS on interior and exterior doors and casings, door and window lintels, electrical panels, crown molding, porch components and structural steel components. No LBP was detected in the HAZMAT shed.

3.5.4 2002 Asbestos Re-Inspection Report

An asbestos re-inspection report was prepared for the Site in May 2002. The original asbestos survey report and operations and maintenance plan were not available for

review. The asbestos re-inspection included the USAR Center building as well as the OMS. Some friable asbestos-containing material (ACM) was removed, but two linear feet of friable sealer around pipe penetrations, reported in good condition, was still present in the USAR Center building. The USAR Center building also contained assumed non-friable ACM in the wall plaster, roofing sealer and floor tiles.

The re-inspection report indicated friable pipe insulation was removed and replaced with fiberglass insulation in the OMS. However, the OMS still contained non-friable ACM in the floor tiles and window caulking.

3.5.5 1997 Oil/Water Separator Cleaning Report

Earth Tech Inc cleaned the OWS in March 1997. The report indicates the OWS functioned freely with no blockages after the cleaning. Testing of sludge sampled from the OWS indicated that the sludge is a non-hazardous, non-regulated waste. The report indicated the OWS discharged to the municipal sewer system.

3.5.6 1995 OWS Inspection Report

An inspection of the OWS was performed in October 1995 to determine the condition and size of the apparatus. The report stated the OWS was undersized for the facility and recommended that it be replaced. The report stated the OWS appeared to be connected to the storm drain system. An attached stormwater discharge permit dated September 1985 indicated the Site was authorized to discharge wastewater “to receiving waters designated as a storm drain to Mountain Creek in the Yadkin-Pee Dee River Basin” according to the conditions listed in the permit. Photographs included with the report show in October 1995, the former wash rack was located immediately south of the main OMS structure where the OMS office is currently located. The former OWS was located east of the HAZMAT shed.

3.5.7 1994 UST Closure Report

A 500-gallon heating oil UST associated with the OMS was removed from the Site in 1994. Approximately 20 cubic yards of soil were removed at the time of excavation and soil samples were sent off for laboratory analysis. The tank was shipped to Southern Tanks and Environmental for destruction and the final certificate of disposal is included with the report. The pit was backfilled with the excavated soil and additional soil brought in from offsite. Lab results from the removal of the underground storage tank indicate that the levels of total petroleum hydrocarbons (TPH) in the soil samples were above the cleanup level established by the Site Sensitivity Evaluation for North Carolina.

3.5.8 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 unless noted otherwise.

Soil Sampling Report, August 2006. Soil samples were collected from two soil borings in the vicinity of the OWS in August 2006. The soil samples were collected from three different depths in each soil boring and were analyzed for TPH. The results in SB1 ranged from 165 to 309 mg/kg TPH and the results in SB2 ranged from 195 to 317 mg/kg TPH.

NC Facilities Radon Results Datasheets, 1989-1990. Datasheets for radon testing at North Carolina USAR facilities were provided. A 90-day radon survey was conducted at the Site from November 1989 to March 1990. The radon results were at or below 2.0 picocuries per liter (pCi/l) for all areas sampled at the Site. The USEPA recommended exposure limit for radon is 4.0 pCi/l. These datasheets are not included in Appendix D because the majority of the data are for other sites.

OWS Servicing and Functionality Evaluation, July 2005. The OWS was evaluated and found to be functioning normally. The report noted that the wash rack drain received run-off from the MEP area so stormwater was being discharged through the OWS. The report recommended checking stormwater discharge regulations and re-routing MEP run-off is necessary.

The OWS was pumped out and the waste water and solids, classified as non-hazardous, were shipped off site for disposal. This report is not included in Appendix D because the majority of the report is disposal data and manifests for the water removed from the OWS.

NCDENR Letter Requesting Corrective Action, September 2006. A letter dated 18 September 2006 was received from the NCDENR. The letter requests risk-based assessment and corrective action for petroleum USTs based on information received in January 1995 that confirmed a release at the Site.

4.0 ADJACENT PROPERTIES

Figure 12 in Appendix A provides a 1999 aerial view of the Site and adjacent properties. East Ablemarle Elementary School is located to the west of the site. Commercial sites are located to the north, east and south of the site. Table 1 provides a list of adjacent properties with their directional location in regards to the Site. A description of zoning for the adjacent parcels is also listed in Table 1. Photographs 13 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	Zoning
North	Bargain City Plus and Tradeway Motors, Inc.	201 NC 740 Highway	LID – Low Impact Development
South	Eckerd Drugs Pharmacy	1825 East Main Street	GHBD – General Highway Business Development
East	East Side Motors Vacant	143 NC 740 Highway 139 NC 740 Highway	GHBD – General Highway Business Development
West	East Albemarle Elementary School	1813 East Main Street	R-10 - Residential

Appendix A, Appendix D, and Appendix E provide historical aerial photographs, topographic maps, previous site reports, and EDR Reports, that were used to evaluate potential environmental impacts from adjacent properties that may have the potential to significantly impact the environmental condition at the Site. Land use at the adjacent properties does not appear to have changed significantly over the years and does not appear to have the potential for significant impact to the environmental conditions of the USAR Center.

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 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 Federal real property. A regulatory database summary was acquired from EDR on 1 August 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 complete EDR report is included in Appendix E.

5.1 FEDERAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 2 was obtained from the EDR federal regulatory database search report.

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	**X**	0	0	0	NR	NR	1
CERC-NFRAP	0.500		0	0	0	NR	NR	0
CORRACTS	0.500		0	0	0	0	NR	0
RCRA TSD	1.000		0	0	0	NR	NR	0
RCRA Lg. Quantity Gen	0.500		0	0	NR	NR	NR	0
RCRA Sm. Quantity Gen	0.250	**X**	0	0	NR	NR	NR	1
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

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
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	**X**	NR	NR	NR	NR	NR	1
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 and less than 1 kg of acute hazardous waste per month. RCRA small quantity generators are facilities that generate between 100 kg and 1,000 kg of hazardous waste and less than 1 kg of acute 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 USAR Center is listed as a RCRA-registered small quantity generator (SQG), with EPA ID NC6210022046, according to the EDR report. The Site has no transport, storage and disposal (TSD) activities listed and no previous violations are reported. No documentation was available of the Site for RCRA-SQG activities or inventories.

No other RCRA-registered large or small quantity generators are located near the Site.

5.1.2 CERCLIS List

The CERCLIS Database is the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) that contains information on hazardous waste sites, potential hazardous waste sites and remedial activities across the nation.

The Site is listed on the CERCLIS database. The Site is not on the National Priorities List and its status is "site investigation ongoing." The CERCLIS discovery completion date was listed as 16 November 1988 and the preliminary assessment completion date was listed as 29 August 1990. The EDR report for the Site listed the site status in the CERCLIS database "Low" priority.

5.1.3 Facility Index System/Facility Registry System (FINDS) Site

The FINDS List contains both facility information and "pointers" to other sources that contain more detail. The EDR report 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 Statute), and PADS (polychlorinated biphenyl (PCB) Activity Data System).

According to the EDR report, the USAR Center is on the FINDS list due to being a RCRA small quantity generator, a leaking UST (LUST) site and on the CERCLIS database. In addition, the USARC is listed on the North Carolina Facility Identification Template for States database which flags it in the FINDS system.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 3 was obtained from the EDR state regulatory database search report. Requests for state environmental records were submitted to the North Carolina Division of Air Quality, Division of Waste Management, Division of Water Quality, and Division of Solid and Hazardous Waste Management-

Underground Storage Tank Program. The request letters are included in Appendix E. No responses have been received to date.

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
SHWS	1.000	**X**	0	0	0	0	NR	1
NC HSDS	1.000		0	0	0	0	NR	0
IMD	0.500	**X**	2	1	4	NR	NR	8
State Landfill	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
LUST	0.500	**X**	1	1	4	NR	NR	7
LUST TRUST	0.500		1	0	1	NR	NR	2
UST	0.250		3	3	NR	NR	NR	6
AST	0.250		0	0	NR	NR	NR	0
Inst. Controls	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Dry Cleaners	0.250		0	0	NR	NR	NR	0
Brownfields	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	NR

TP = Target Property; NR = Not Required

5.2.1 State Hazardous Waste Sites Within 1 Mile

The EDR report lists the Site as a State Hazardous Waste Site (SHWS). The SHWS database is described as the inactive hazardous sites inventory and its records are the state's equivalent to CERCLIS. The North Carolina SHWS lists the Site as facility ID NC6210022046 with a status of "requiring no further action." This ID number is the same as the RCRA-SQG ID number.

5.2.2 Incident Management Database Within 1/2 Mile

The Incident Management Database (IMD) contains sites which have groundwater or soil contamination resulting from spills or releases. The Site is listed on the IMD and seven other sites within 1/2 mile are also listed on the database.

The USARC has been flagged on the IMD for having soil contamination resulting from a leaking heating oil UST. The incident phase is listed as "response," and no notice of violation, corrective action plan, or close-out report are reported in the database listing.

5.2.3 State-Registered Leaking UST Sites Within 1/2 Mile

The USARC is listed in the LUST database. The leaking tank was removed in 1994. At the time of removal testing indicated soil contamination was present. No additional assessments, corrective action plans or close-out reports are listed for the Site.

According to the EDR report, six LUST sites were identified within 1/2 mile of the USAR Center. Table 4 lists the sites along with their addresses and elevations relative to the Site. The former East Albemarle Texaco (at 1821 East Main Street) is now the site of the Eckerd Drug Store (at 1825 East Main Street) located on the adjacent property south of the Site. This adjacent property is cross-gradient from the USAR Center property and poses no serious risk to the Site.

TABLE 4
LEAKING UNDERGROUND STORAGE TANK SITES

Company/Site	Address	Distance and Direction from Site	Status	Elevation Relation to Site
East Albemarle Texaco	1821 East Main Street	0 – 1/8 mile SW	Closed Out	Higher
CK Earnhardt & Son Inc	1906 Badin Road	1/8 - 1/4 mile NW	Closed Out	Lower
Lane Furr Pro Tire and Auto	315 Highway 740 E	1/4 - 1/2 mile NE	Response	Lower
Coca-Cola Bottling Co	1610 East Main Street	1/4 - 1/2 mile W	Closed Out	Lower
Stanly County School Bus Garage	1541 Freeman Avenue	1/4 - 1/2 mile WNW	Closed Out	Lower
Tucker Property	1451 East Main Street	1/4 - 1/2 mile W	Closed Out	Lower

Only one LUST site is active, Lane Furr Pro Tire and Auto is located within 1/4 mile of the USAR Center and is currently undergoing an investigation into a release. The facility is located at a lower elevation and down-gradient from the Site indicating a reduced risk.

5.2.4 State-Registered UST Sites Within 1/4 Mile

According to the EDR report, six UST sites were identified within 1/4 mile of the USAR Center. Table 5 lists the sites along with their address and elevation relative to the Site. The Site itself is not listed in the State UST database.

Two of the UST sites, East Albemarle Texaco and Pro-Tire & Auto, have had their USTs permanently removed from use. The remaining sites have active USTs.

TABLE 5
UNDERGROUND STORAGE TANK SITES

Company/Site	Address	Distance and Direction from Site	Tank Status	Closure Status	Elevation Relation to Site
East Albemarle Elementary School	1813 East Main Street	1/8 - 1/4 mile WSW	2 Tanks - In Use	NA	Higher
Plaza Express 215	1900 East Main Street	0 – 1/8 mile SW	2 Tanks – In Use	1 Tank Closed	Lower
East Albemarle Texaco	1900 East Main Street	0 – 1/8 mile SW	6 Tanks Closed	Closed	Lower
Wilco 382	641 Hwy 24-27 East	1/8 - 1/4 mile S	2 Tanks – In Use	NA	Lower
CK Earnhardt & Son Inc	1906 Badin Road	1/8 - 1/4 mile NW	2 Tanks - In Use	1 Tank Closed	Lower
Pro-Tire & Auto	315 Hwy 740 Bypass East	1/8 - 1/4 mile NE	2 Tanks Closed	Closed	Lower

NA = Not Applicable

Eight USTs are currently in use within 1/4 mile of the Site. Five UST facilities are at lower elevations than the Site and one is at a higher elevation, but appears to be cross-gradient from the Site. These UST facilities do not present a perceived environmental risk to the USAR Center.

5.3 TRIBAL ENVIRONMENTAL RECORDS

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

TABLE 6
TRIBAL DATABASE SEARCH

Database	Search Distance (miles)	<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
Indian LUST	0.500	0	0	0	NR	NR	0
Indian UST	0.250	0	0	NR	NR	NR	0

NR = Not Required

The database search did not identify sites within the designated search radius requiring discussion.

According to the EDR report, no designated Indian Reservations are located within 1 mile of the USAR Center.

5.4 EDR PROPRIETARY RECORDS

The regulatory information presented in Table 7 was obtained from the EDR's Proprietary Records database search report.

TABLE 7
EDR PROPRIETARY RECORDS DATABASE SEARCH

Database	Search Distance (miles)	<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

NR = Not Required

The database search did not identify any sites within the designated search radius requiring discussion.

5.5 UNMAPPED SITES

The EDR database search listed eleven unmapped sites. Unmapped sites are facilities with insufficient address information to enable them to be located and mapped, and they can only be identified as within the zip code of the Site. None of the unmapped sites

were observed within 1/4 mile of the USAR Center during a reconnaissance drive of the site vicinity.

5.6 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO THE SITE

Based on an evaluation of available site information and details concerning the properties listed in the database searches, none of the facilities evaluated are believed to be "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. A number of LUST and UST facilities were identified in the database search. Adjacent properties were not identified as "High Risk."

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the 3 August 2006 site visit and area reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

6.1 UNDERGROUND/ABOVEGROUND STORAGE TANKS

One abandoned heating oil AST is located on the backside of the USAR Center building adjacent to the mechanical room and kitchen. The AST was reported to be empty and out of use for more than 3 years. Photograph 10 in Appendix B shows the AST and its concrete containment basin. There was no staining or odor in the vicinity of the AST. One used oil AST is located next to the wash rack. Site personnel reported the used oil AST is empty and has not been used since December 2003.

One in-ground OWS is located on the Site. Based on interviews with reserve personnel, the OWS was cleaned in 2005 and has not been used since that time. Environmental personnel for the 81st RRC indicated there were no permits required for OWS discharge to the municipal sewer system.

A heating oil UST was formerly located east of the OMS building. In September 2006 the NCDENR requested risk-based assessment and corrective action for the release that was confirmed from the former UST. The 81st RRC personnel have reported that the remedial actions are under way at the Site.

6.2 INVENTORY OF CHEMICALS / HAZARDOUS SUBSTANCES

At the time of the site visit, the OMS was nearly empty. A small puddle of orange liquid was observed in the storage cage in the maintenance bay. One 55-gallon drum of lubricating oil, that contained approximately 5 gallons of liquid, was also present in the maintenance bay. The HAZMAT shed contained an empty used antifreeze drum, an empty used oil drum, a 55-gallon drum of degreasing solvent, and two 5-gallon containers of petroleum products in three small flammable materials cabinets. The PPM shed contained approximately 30 empty 5-gallon fuel cans and several 5-gallon buckets of snow and ice melting compound. The unit storage building contained approximately 20 small cylinders of flammable decontaminating liquid, which were reported to be empty. The USAR Center building had small amounts of cleaning supplies and solvents that were stored in the one active storage room. One unlabeled, 30-gallon plastic drum of liquid was observed in the mechanical room. (See Photo 8, in Appendix B). The drum contents were unknown and no documentation was available at the Site. Documentation of the drum contents should be researched from the 81st RRC Headquarters or testing should be conducted to confirm the contents.

6.3 WASTE DISPOSAL SITES

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

6.4 PITS, SUMPS, AND DRYWELLS

The restrooms and mechanical room in the USAR Center building contained floor drains. All drains are reported to be connected to the municipal sanitary sewer system.

The vehicle wash rack located southwest of the OMS has one floor drain connected to an OWS located next to the wash rack. The discharge is reportedly connected to the municipal sanitary sewer.

No pits, sumps or drywells were observed during the site reconnaissance.

6.5 ASBESTOS CONTAINING MATERIAL

An asbestos re-inspection report dated May 2002 (see Section 3.5.4) reported instances of ACM in the USAR Center building and OMS. Friable piping insulation and non-friable floor tile and mastic, wall and ceiling plaster, and roofing sealer were identified in the USAR Center building and non-friable floor tile and mastic and window caulking were identified in the OMS. The floor tile, wall and ceiling plaster, and window caulking observed during the site visit were noted in good condition.

6.6 POLYCHLORINATED BIPHENYL CONTAINING EQUIPMENT

Three pole-mounted transformers were observed on the south property line of the Site and three pole-mounted transformers were observed at the north end of the POV parking area. Close visual inspection of the transformers was not possible at the time of the site visit due to the height of the transformers. Visual observation of the transformers indicated they are in good condition with no obvious leaks observed. The transformers were not labeled for PCB content and are assumed to contain PCBs. Maintenance and remediation of the transformers would be the responsibility of the utility owner, the City of Albemarle.

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. Interviews with site personnel indicated that PCB inventories have not been conducted at the Site. The light ballasts within the overhead fluorescent light fixtures were not observed during the site reconnaissance.

6.7 LEAD-BASED PAINT

A LBP survey was completed in March 2004 by Environmental Enterprise Group. The survey was performed for the USAR Center building, the OMS building, and the HAZMAT shed. LBP was identified in the USAR Center building and OMS on interior and exterior doors and casings, door and window lintels, interior wood window stools, baseboards, chalkboards and structural steel components. Some flaking paint was observed in the USAR Center building on door frames, the ceiling, and duct work in the assembly hall during the site reconnaissance.

6.8 RADON

Site-specific radon surveys were conducted from November 1989 to March 1990 at the USAR Center. All radon results were below 2.0 pCi/l. The USEPA recommended radon exposure limit is 4.0 pCi/l.

Stanly County, North Carolina lies within a Zone 3 low potential radon zone according to the USEPA Map of Radon Zones. This indicates average exposure levels less than 2.0 pCi/l, which is below allowable EPA limits for indoor radon exposure.

6.9 MUNITIONS AND EXPLOSIVES OF CONCERN

No evidence of munitions and explosives of concern (MEC), including unexploded ordnance (UXO), were found during the site visit. A limited amount of small arms ammunition was stored in the safe located in the storage room in the USAR Center building. These were properly stored and are not considered to be MEC. No MEC use, storage or disposal was reported for the history of operations at the Site.

6.10 RADIOLOGICAL MATERIALS

During the August 2006 site visit and records review process, there was no evidence of current or past use, storage or release of radiological materials at the USAR Center.

7.0 REVIEW OF SPECIAL RESOURCES

7.1 LAND USE

Figure 12 in Appendix A provides a 1999 satellite imagery view of the USAR Center and surrounding properties and depicts current land use. According to the City of Albemarle Zoning browser, the Site is currently zoned General Highway Business Development. The Site is bound by commercial developments on the north, east and south. The immediate areas beyond those properties are also located in a mixed-use area consisting of commercial and residential.

7.2 COASTAL ZONE MANAGEMENT

The Division of Coastal Management within the Department of Environment and Natural Resources is the lead agency for the North Carolina Coastal Management Plan (NCCMP). According to the NCCMP webpage, the boundary of the NCCMP does not extend into Stanly County, North Carolina. Due to the distance between the Site and the Ocean, 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 shows that no jurisdictional wetlands are identified on the Site or its adjacent properties. The nearest wetland is located approximately 1/2 mile southeast of the site. In addition, soils at the Site are classified as Tatum silt loam, which does not meet the requirements of a hydric soil. Based on a review of the NWI map and soils information, it is not likely that jurisdictional wetlands occur on the Site or its adjacent properties. Figure 13 in Appendix A provides an NWI map illustrating wetlands in the immediate vicinity.

7.4 100-YEAR FLOODPLAIN

A review of the Federal Emergency Management Agency digital Flood Hazard Area map indicates that the Site lies outside the 100-year floodplain, with the nearest floodplain boundary located over 1 mile from the Site. Figure 7 in Appendix A shows the most recently updated Flood Insurance Rate Map of the site location.

7.5 NATURAL RESOURCES

According to the USFWS, the species shown in Table 8 are known to occur in Stanly County, NC. No determination concerning the occurrences of these species or their potential habitat is rendered here.

TABLE 8
FEDERALLY THREATENED AND ENDANGERED SPECIES TO KNOWN TO OCCUR IN STANLY COUNTY, NORTH CAROLINA

Common Name	Scientific Name	Federal Status
Schweinitz's sunflower	*Helianthus schweinitzii*	Endangered
Bald eagle	*Haliaeetus leucocephalus*	Threatened

7.6 CULTURAL RESOURCES

The Site does not appear on the National Register of Historic Places (NRHP). Because the Site is younger than 50 years, it is most likely not eligible for listing in the NRHP.

7.7 OTHER SPECIAL RESOURCES

A review of other special resources was conducted including 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 Engineering Division to conduct an ECP Report for the Jesse F. Niven Jr. USAR Center, located in Albemarle, Stanly County, North Carolina 28001. The Site is currently in use by the 227th Transportation Company. The Site has primarily functioned as an administrative, logistic, and educational facility, with limited vehicle and equipment maintenance occurring in the OMS.

Findings of this ECP Report are based on existing environmental information, including visual observations, interviews, 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 Report process.

- ***Use & Storage of CERCLA Hazardous Substances*** – Chemicals containing CERCLA hazardous substances would have been used and stored at the Site in amounts necessary to support unit-level vehicle and building maintenance activities. The quantities stored would reportedly not have exceeded corresponding CERCLA threshold planning quantities. There is no documentation indicating that the chemicals used or stored were improperly handled, released, or disposed at the Site.

- ***Petroleum Product Storage*** – One used oil AST is located near the wash rack but was reportedly empty and has not been used since December 2003. One heating oil AST is present on site, but is reported to be empty and no longer in use. In addition, one 500-gallon heating oil UST associated with the OMS was removed from the Site in 1994. Lab results from the removal of the UST indicated levels of total petroleum hydrocarbons above the cleanup level established for North Carolina. A request for assessment and corrective action dated 18 September 2006 was received from the NCDENR. The 81st RRC contractor has reported that the remedial actions have been started.

- ***Wash Water Discharge*** – A vehicle wash facility located southwest of the OMS has been in use at the Site. The OWS associated with the vehicle wash facility reportedly discharges to the municipal sanitary sewer system. A 2005 report stated stormwater run-off from the MEP area is flowing to the wash rack drain and being discharged through the OWS to the sanitary sewer system. Additionally, soil sampling conducted in August 2006 showed elevated TPH concentrations in soil samples collected in the vicinity of the OWS.

- ***PCB Transformers*** – A total of six pole-mounted transformers are located on or adjacent to the Site. During the August 2006 site visit, the exterior of the units appeared to be in good condition and no evidence of leakage was observed. The transformers were not labeled for PCB content and are assumed to contain PCBs. Maintenance and remediation of the transformers would be the responsibility of the utility owner, the City of Albemarle.

  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. Interviews with site personnel indicated that PCB inventories have not been conducted at the Site.

- ***Asbestos*** – An asbestos re-inspection report dated May 2002 reported instances of ACM in the USAR Center building and OMS. A small amount of friable material was found in pipe sealer in the USAR Center building as well as non-friable ACM in the floor tiles and mastic, and wall and ceiling plaster and roofing sealer in the USAR Center building and floor tiles and mastic, and window caulking in the OMS. These materials were observed to be in good condition at the time of the site visit.

- ***Lead-Based Paint (LBP)*** – LBP was reported in the USAR Center building and the OMS on interior and exterior doors and casings, door and window lintels, electrical panels, crown molding, porch components, and structural steel components. No LBP was detected in the HAZMAT shed. Flaking paint was observed on the USAR Center building office door frames and the ceiling and duck work in the assembly hall.

- ***Radon*** – Site-specific radon tests were identified in the historical records of the Site. All radon results were below 2.0 pCi/l for the tests completed in March 1990. The USEPA recommended radon exposure limit is 4.0 pCi/l.

- ***Munitions and Explosives of Concern*** - No evidence was found during the site reconnaissance or records review process of the current or past use, storage, or disposal of MEC, including UXO.

- ***Radiological Materials*** – During the August 2006 site visit and records review process, there was no evidence of current or past use, storage or release of radiological materials at the USAR Center.

- ***Surrounding Properties -*** Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site, were evaluated. The properties evaluated are not considered high risk. “High Risk”

properties are those that exhibit environmental conditions that have a significant risk of adversely affecting the environmental conditions at another site.

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 confirmed release from the former heating oil UST associated with the OMS. The 81st RRC personnel have reported that the remedial actions are under way at the Site. Elevated TPH concentrations were also detected in soil samples collected in the vicinity of the OWS.

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, USARC 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. Some conditions may change with time.

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

- Ms. Michelle Hook, JM Waller Associates, Contractor for 81st Regional Readiness Command, Area 2 Environmental Manager, August 2006
- SSG Martha Narvaez, 227th Transportation Company, Supply NCO and Acting Facility Manager, August 2006

RESOURCES CONSULTED

- Brown, Philip, Chief Geologist, Geologic Map of North Carolina, 1985, North Carolina Geological Survey, Scale 1:500,000.
- National Wild and Scenic Rivers, http://www.nps.gov/rivers/wildriverslist.html
- USEPA Map of Radon Zones, http://www.epa.gov/radon/zonemap.html
- FEMA Flood Hazard Insurance Map, http://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&catalogId=10001&langId=-1
- Stanly County GIS, http://www.stanlygis.net/
- EDR Report - The EDR Report in Appendix E includes a comprehensive list of the Federal, State, Local, Tribal and Proprietary databases that were queried.

AGENCIES CONTACTED

- North Carolina Division of Solid and Hazardous Waste Management-Underground Storage Tank Program
- North Carolina Division of Air Quality
- North Carolina Division of Waste Management
- North Carolina Division of Water Quality
- City of Albemarle
- Federal Regulatory Databases
    - National Priorities List (NPL), 19 April 2006

- Proposed NPL Sites, 19 April 2006
- Delisted NPL Sites, 19 April 2006
- NPL Recovery, 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
- Hazardous Materials Information Reporting System (HMIRS), 31 December 2005
- Engineering Controls Sites List (US ENG CONTROLS), 21 March 2006
- Institutional Controls Sites List (US INST CONTROLS), 21 March 2006
- Department of Defense Sites (DoD), 31 December 2004
- Formerly Used Defense Sites (FUDS), 5 December 2005
- Listing of Brownfields Sites, 26 April 2006
- Superfund Consent Decrees, 14 December 2004
- Records of Decision (ROD), 13 March 2006
- Uranium Mill Tailings Sites, 4 November 2005
- Potentially Responsible Parties (PRP), 9 March 2006
- 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
  - State Hazardous Waste Sites, 11 April 2006
  - Hazardous Substance Disposal Site, 21 June 1995
  - Incident Management Database, 4 April 2006
  - Solid Waste Facility/Landfills, 27 April 2006
  - Old Landfill Inventory (OLI), 3 April 2006
  - Leaking Underground Storage Tank Sites (LUST), 2 June 2006
  - LUST TRUST, 4 May 2006
  - Underground Storage Tank (UST), 12 May 2006
  - Aboveground Storage Tanks (AST), 12 April 2004
  - Institutional Controls, 11 April 2006
  - Voluntary Cleanup Program, 11 April 2006
  - Drycleaners, 4 April 2006
  - Brownfields, 30 September 2005

- NPDES, 22 May 2006

Tribal Records

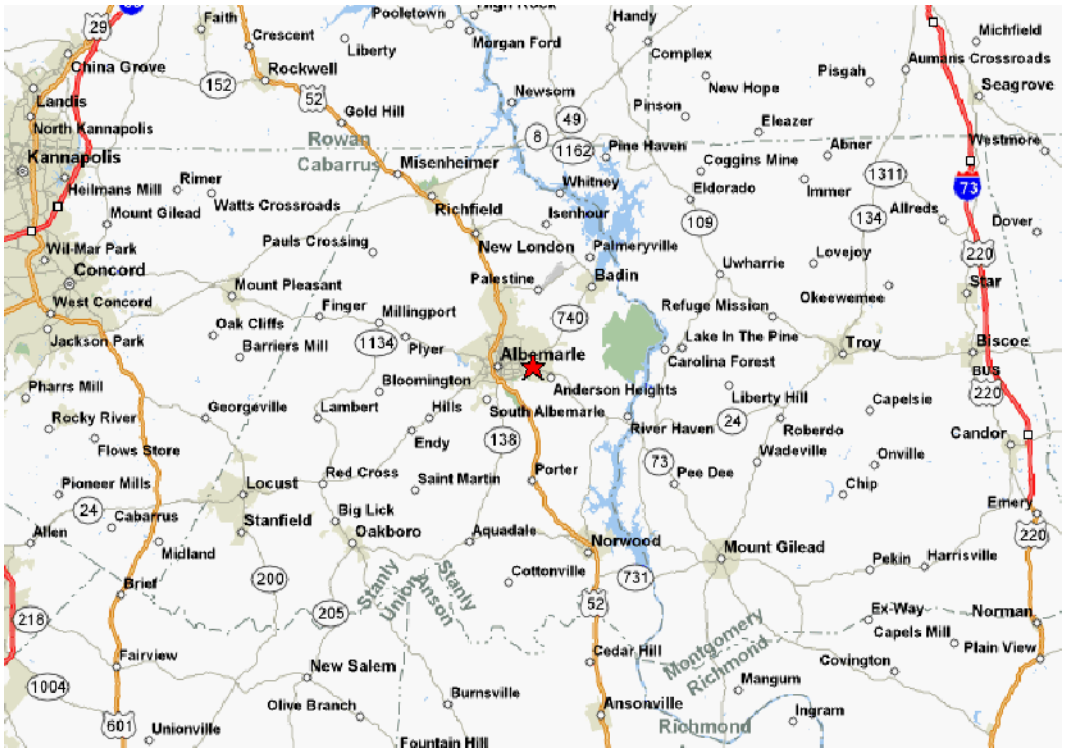
- Indian Reservation, 31 December 2004
- Indian LUST, 1 January 2006
- Indian UST, 1 January 2006

EDR Proprietary Reports

- Manufactured Gas Plants

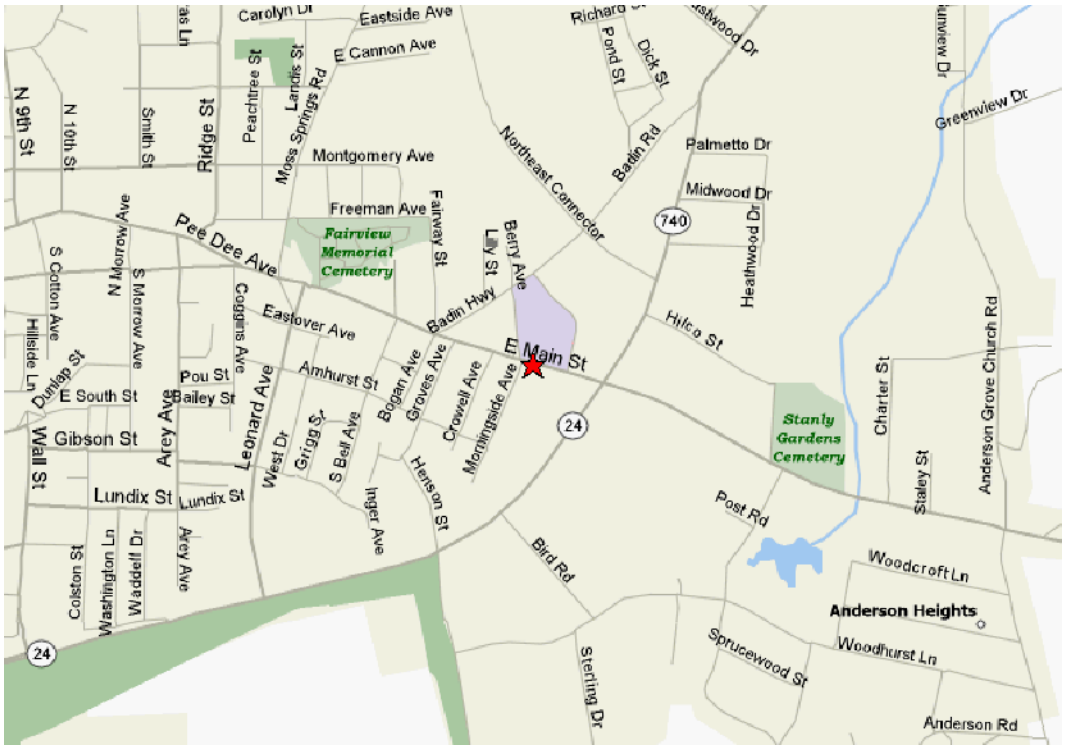
APPENDIX A

FIGURES



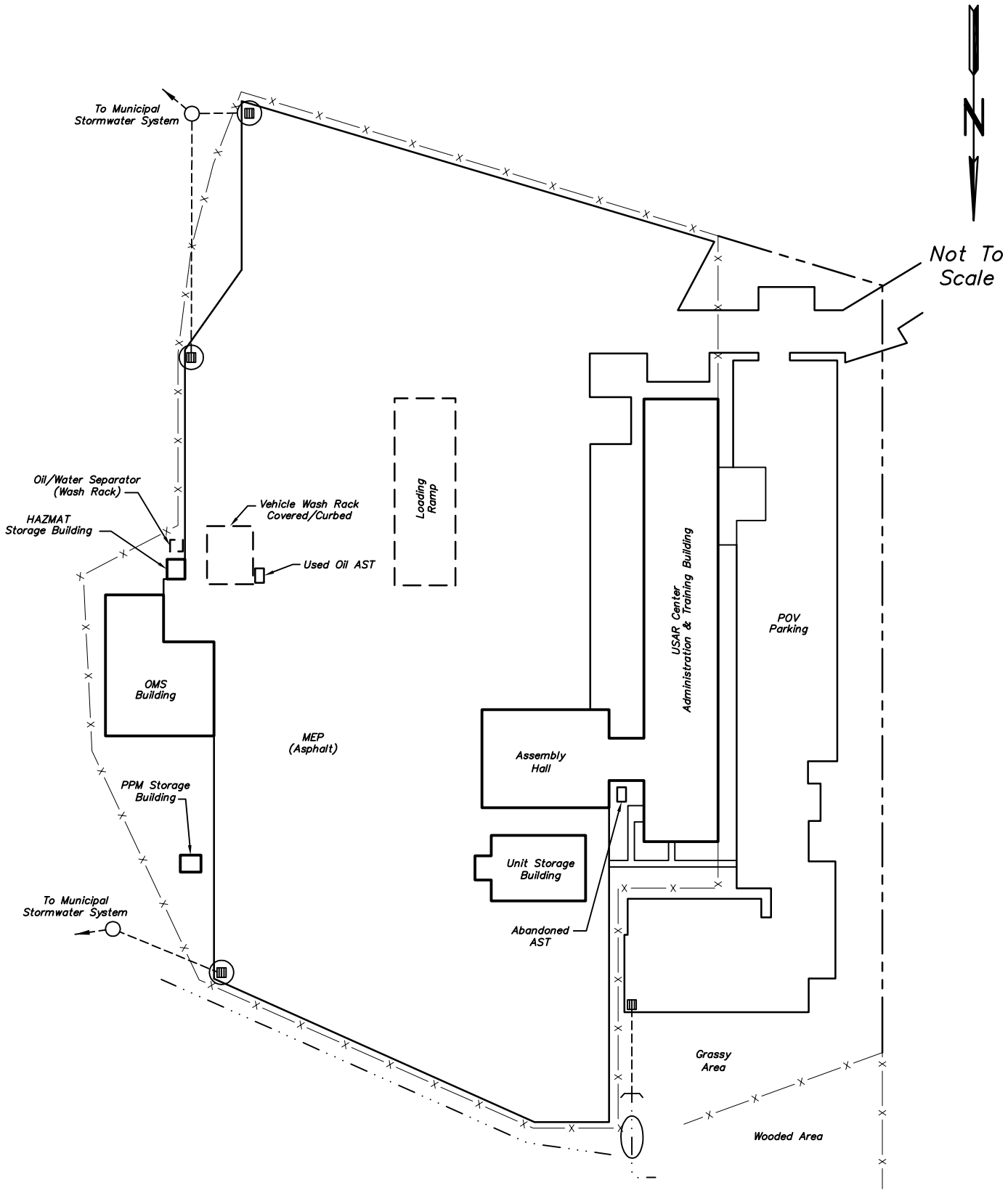
N

Not To Scale



EMSM ENGINEERS

FIGURE 1
GENERAL SITE LOCATION MAP
NC001 JESSE F. NIVEN JR., USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

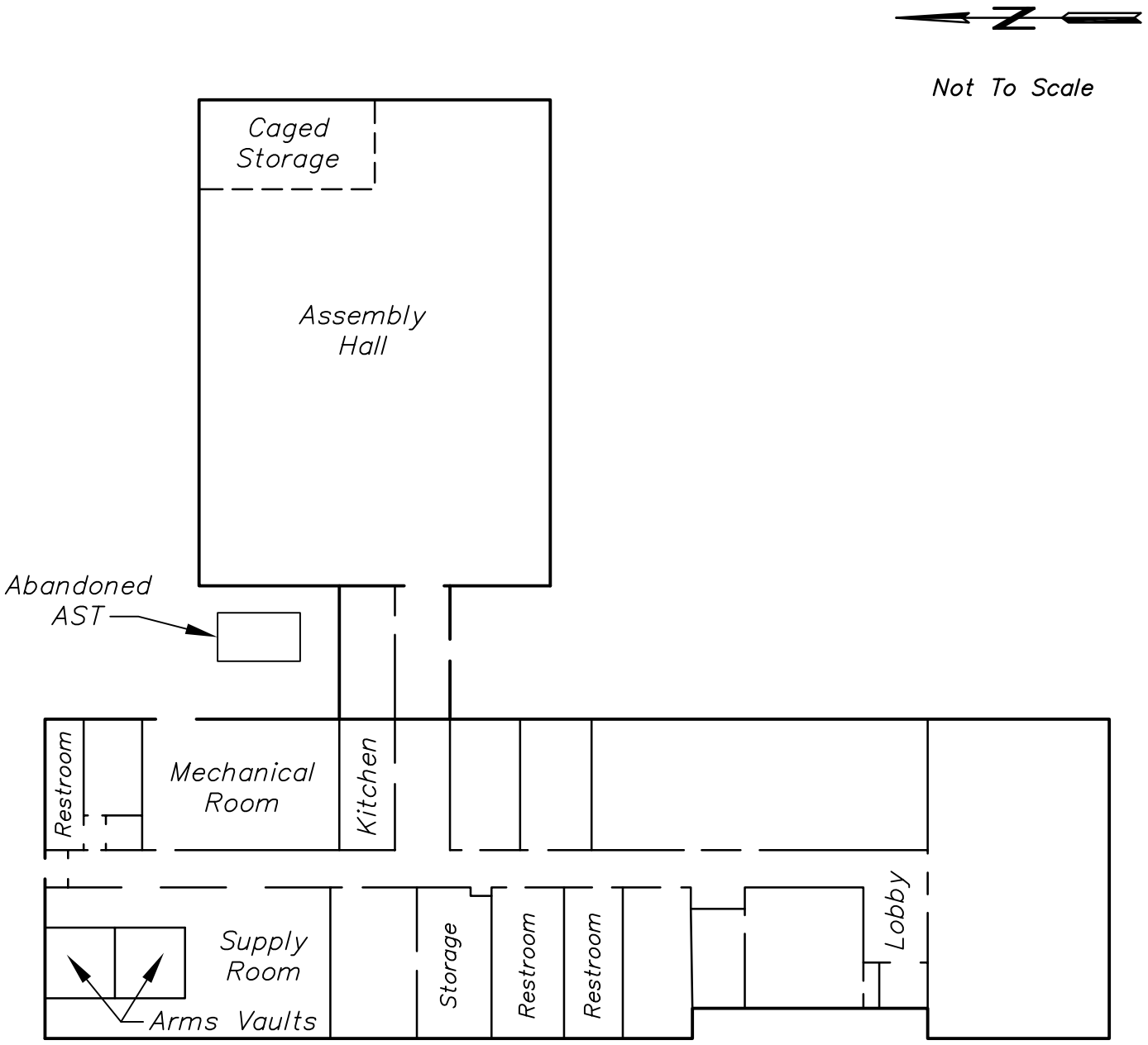


Adapted from previous SPCCP Report (May 2005) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 2
PLAN VIEW LAYOUT OF SITE
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV2006038\NC001Niven-Site.Dwg



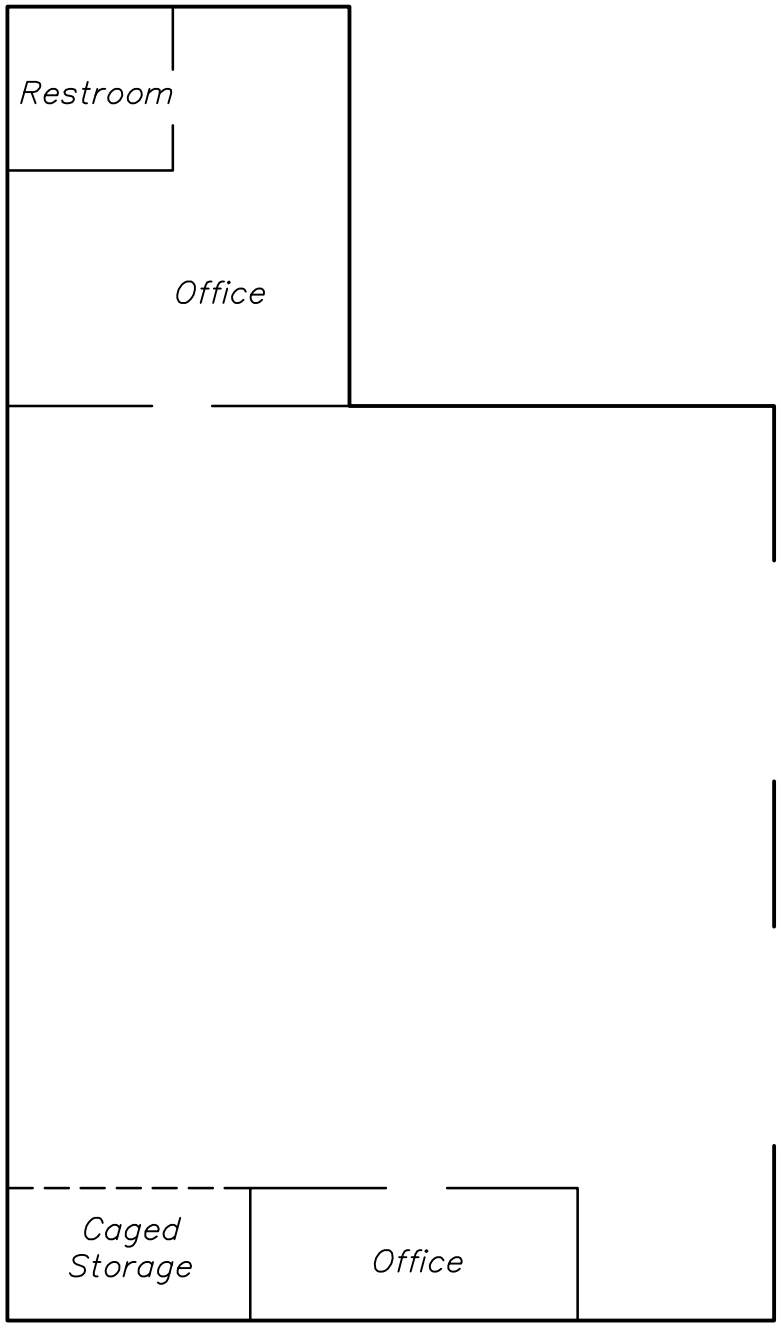
Adapted from previous Lead-Based Paint Survey (Mar 2004) prepared by EEG, Inc. for US Army Reserve 81st RRC

Note:
Unlabeled rooms are offices, storage or classrooms.

EMSM ENGINEERS

FIGURE 3
INTERIOR LAYOUT, FIRST FLOOR, USAR CENTER BUILDING
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV20060038\NC001Niven-Bldg1.Dwg



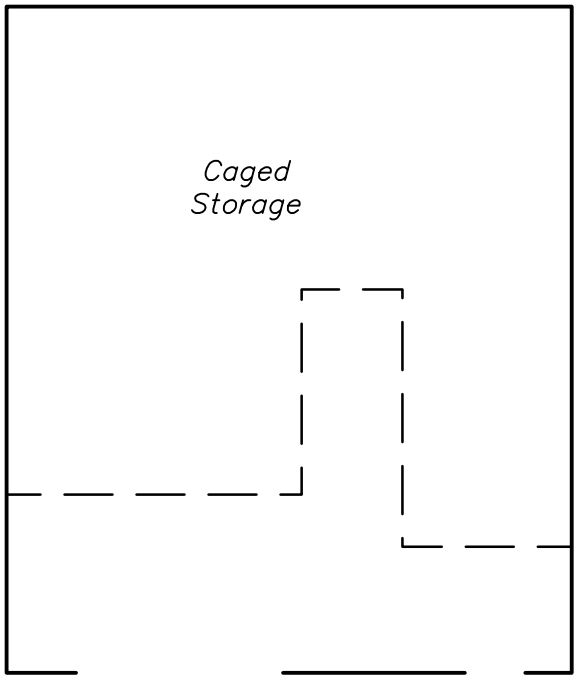
Not To Scale

Adapted from previous Lead-Based Paint Survey (Mar 2004) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 4
INTERIOR LAYOUT, OMS BUILDING
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV2006038\NC001Niven-Bldg2.Dwg



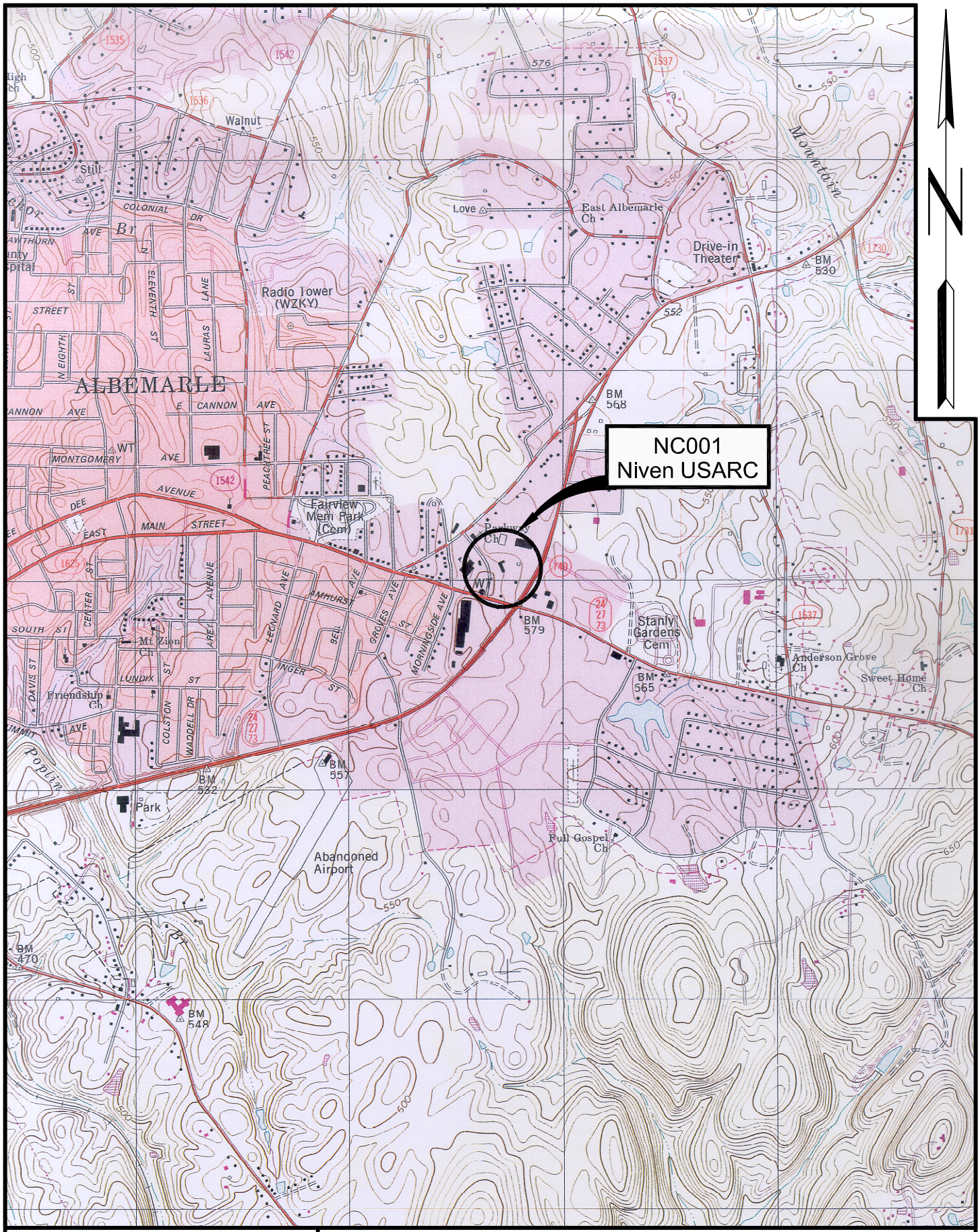
Not To Scale

Adapted from previous Lead-Based Paint Survey (Mar 2004) prepared by EEG, Inc. for US Army Reserve 81st RRC

EMSM ENGINEERS

FIGURE 5
INTERIOR LAYOUT, UNIT STORAGE BUILDING
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV2006038\NC001Niven-Bldg4.Dwg



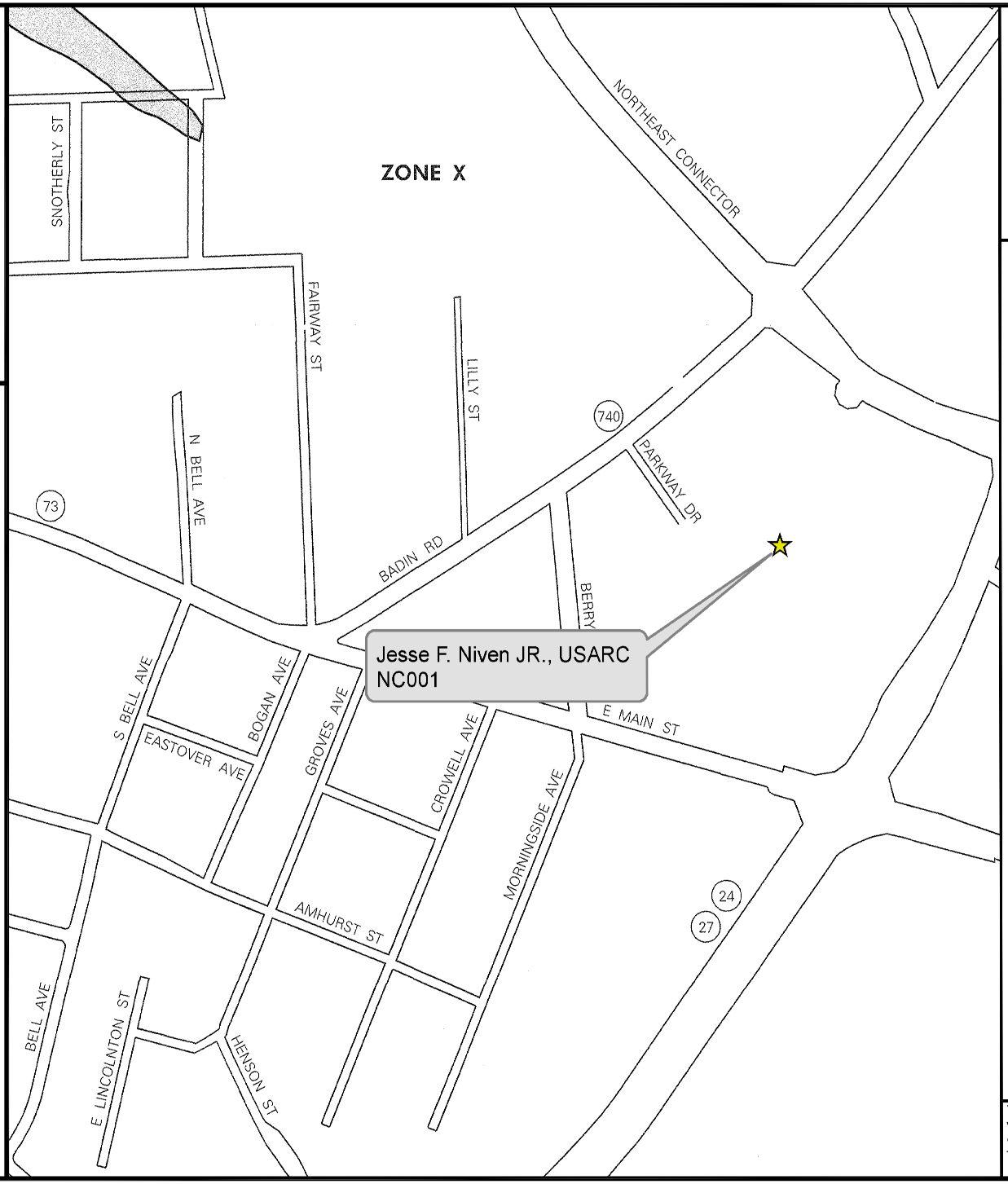
ENGINEERS

FIGURE 6
1993 USGS TOPOGRAPHIC MAP, ALBEMARLE, NORTH CAROLINA
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

Scale: 1" = 2000'

LV2006038\NC001USGS1993.Dwg

LV2006038\NC001Niven-DFirm.Dwg



APPROXIMATE SCALE

500 0 500 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

STANLY COUNTY,
NORTH CAROLINA
AND INCORPORATED AREAS

PANEL 131 OF 275

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBEMARLE, CITY OF	370223	0131	D
STANLY COUNTY	37C361	0131	D

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
37167C0131 D

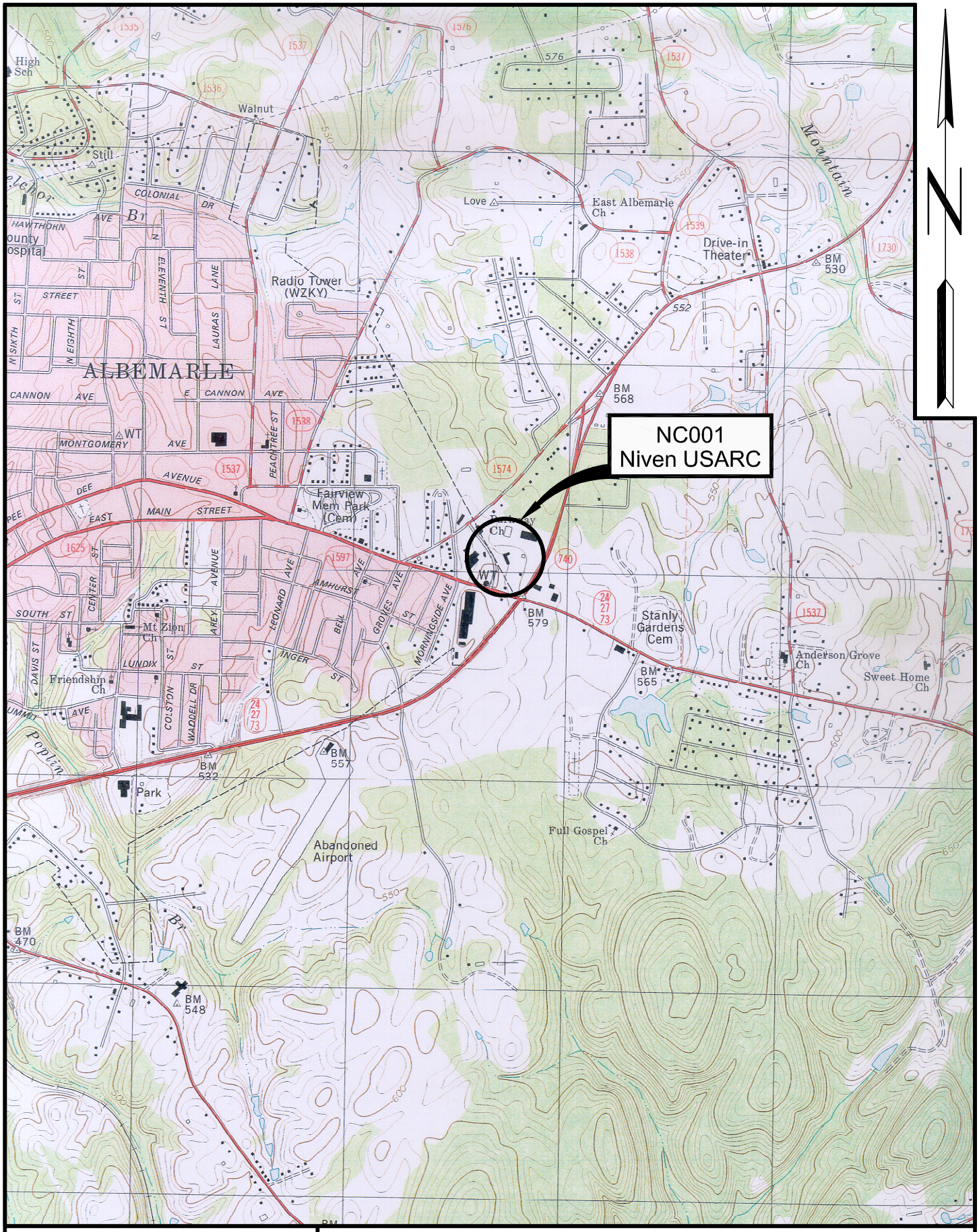
EFFECTIVE DATE:
SEPTEMBER 21, 2000

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
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

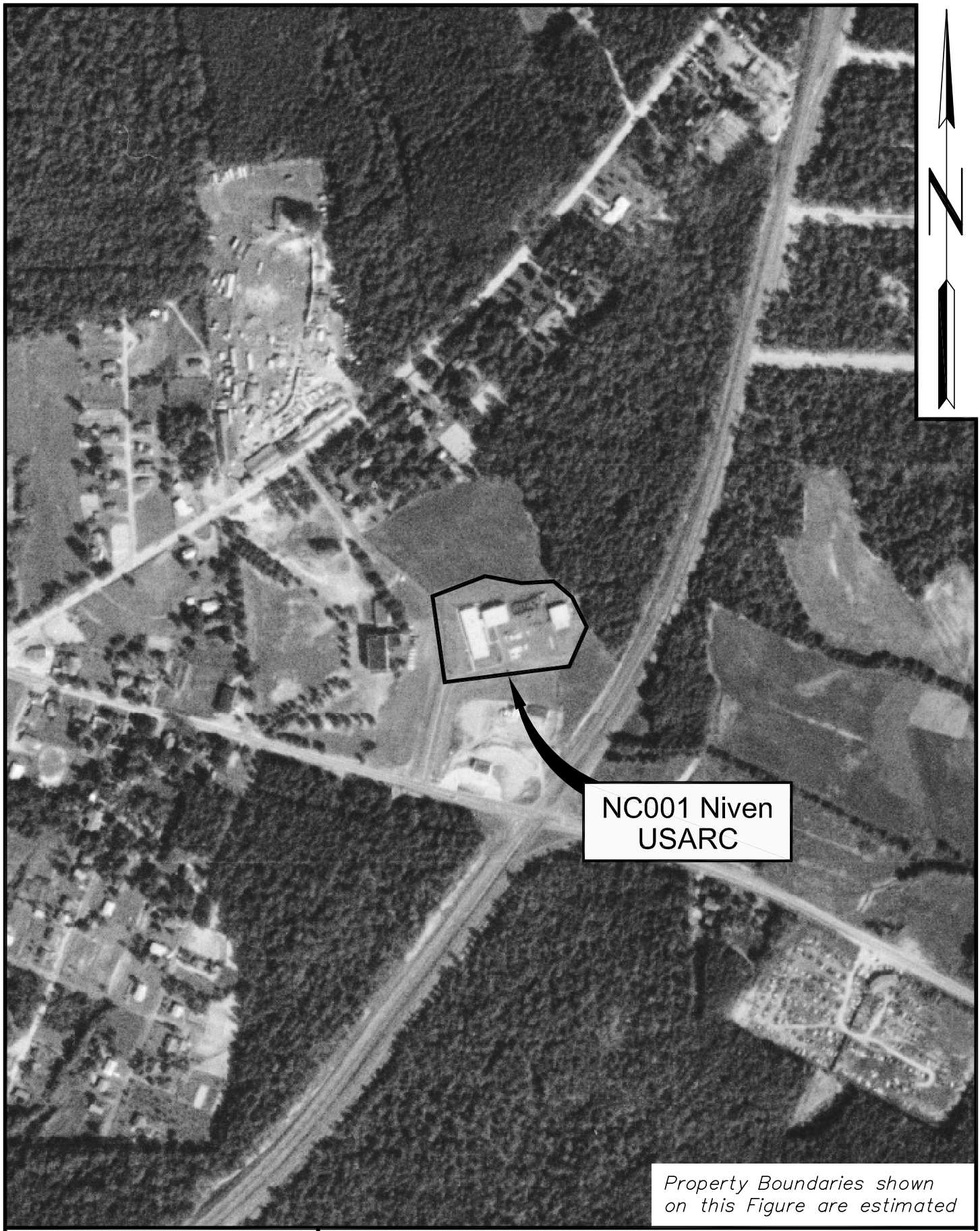


ENGINEERS

FIGURE 8
1981 USGS TOPOGRAPHIC MAP, ALBEMARLE, NORTH CAROLINA
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

Scale: 1" = 2000'

LV2006038\NC001USGS1981.Dwg

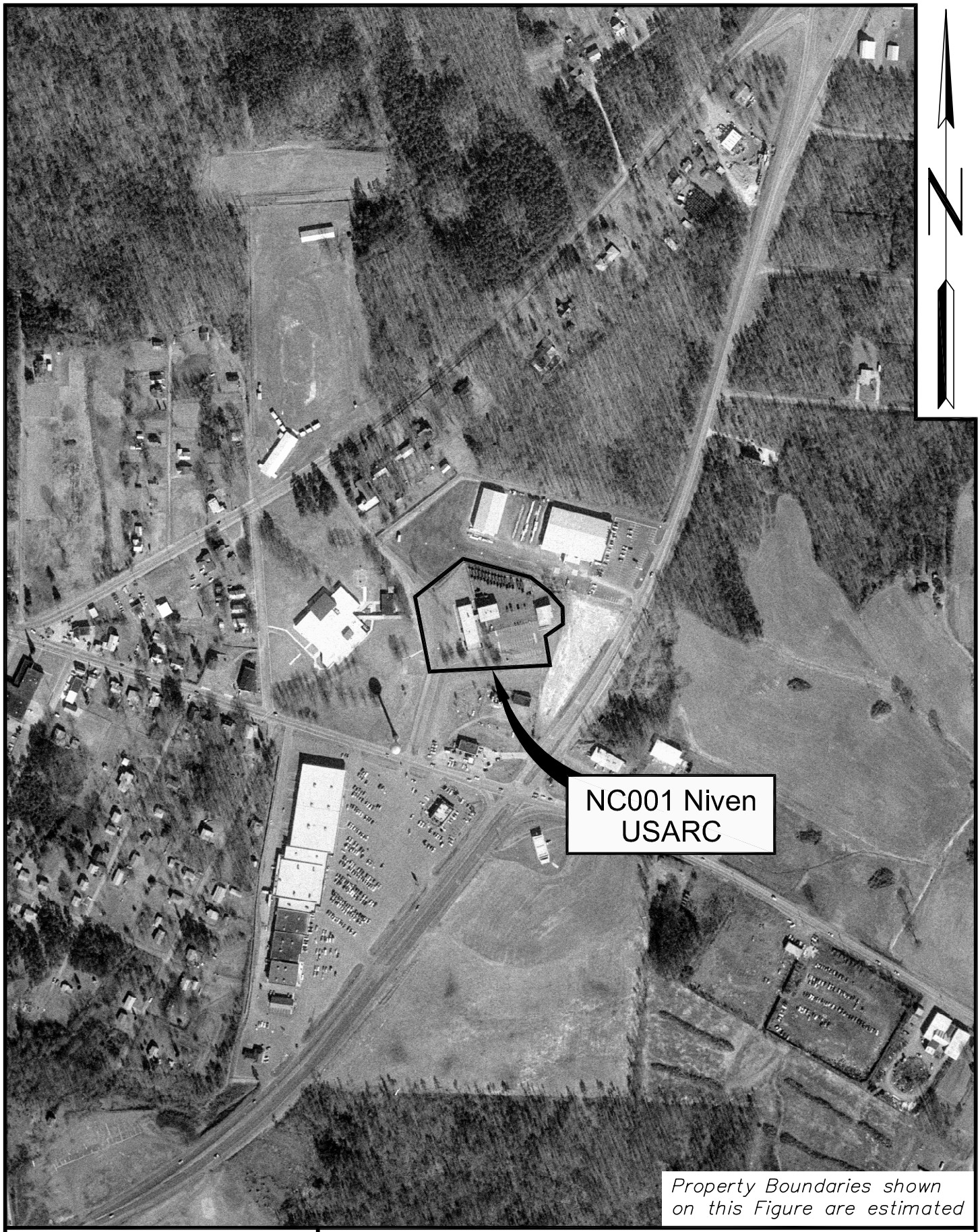


Property Boundaries shown on this Figure are estimated

FMSM ENGINEERS

FIGURE 9
1961 AERIAL PHOTOGRAPH
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

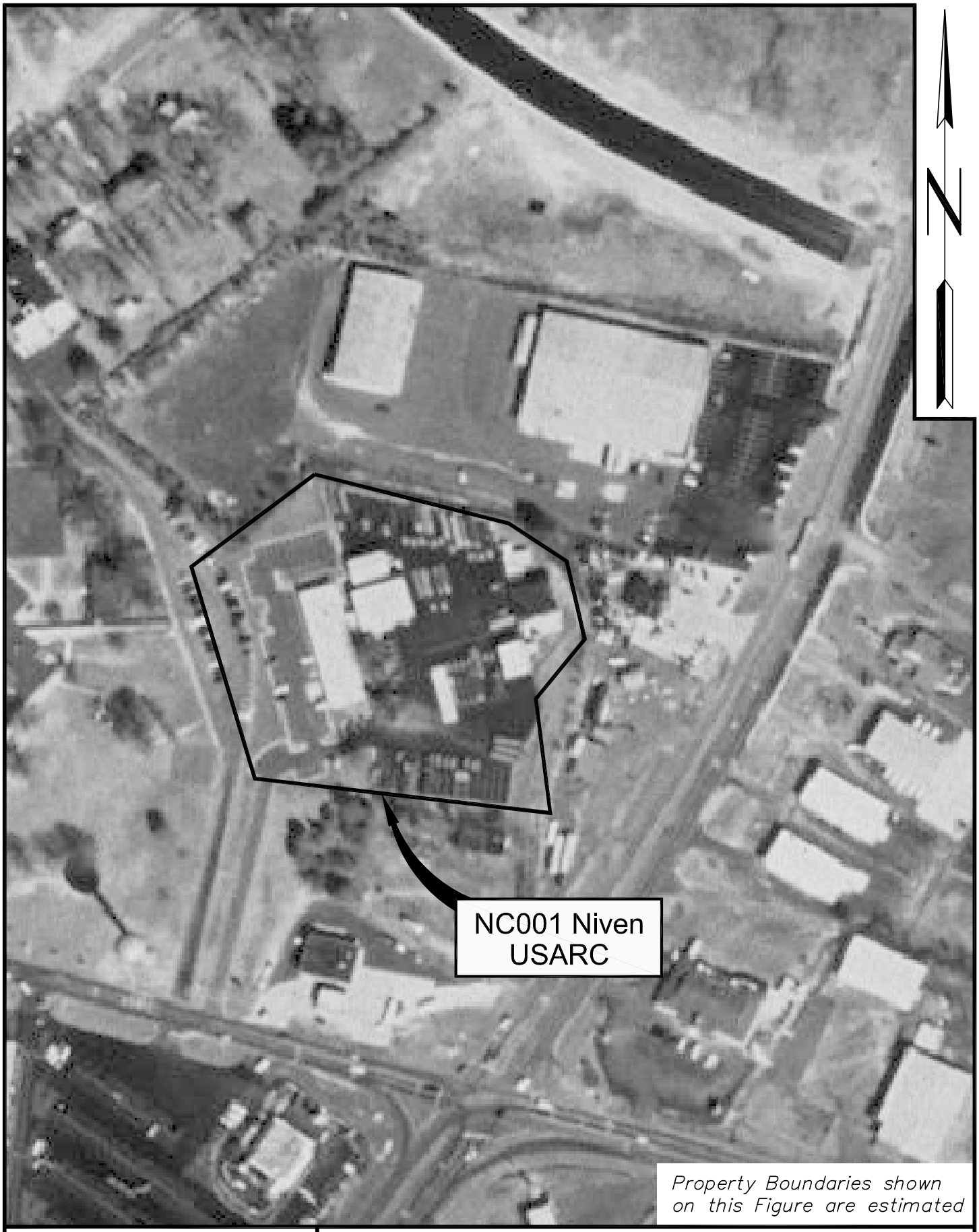
LV2006038\NC001NivenAerial1961.Dwg



EMSM ENGINEERS

FIGURE 10
1977 AERIAL PHOTOGRAPH
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

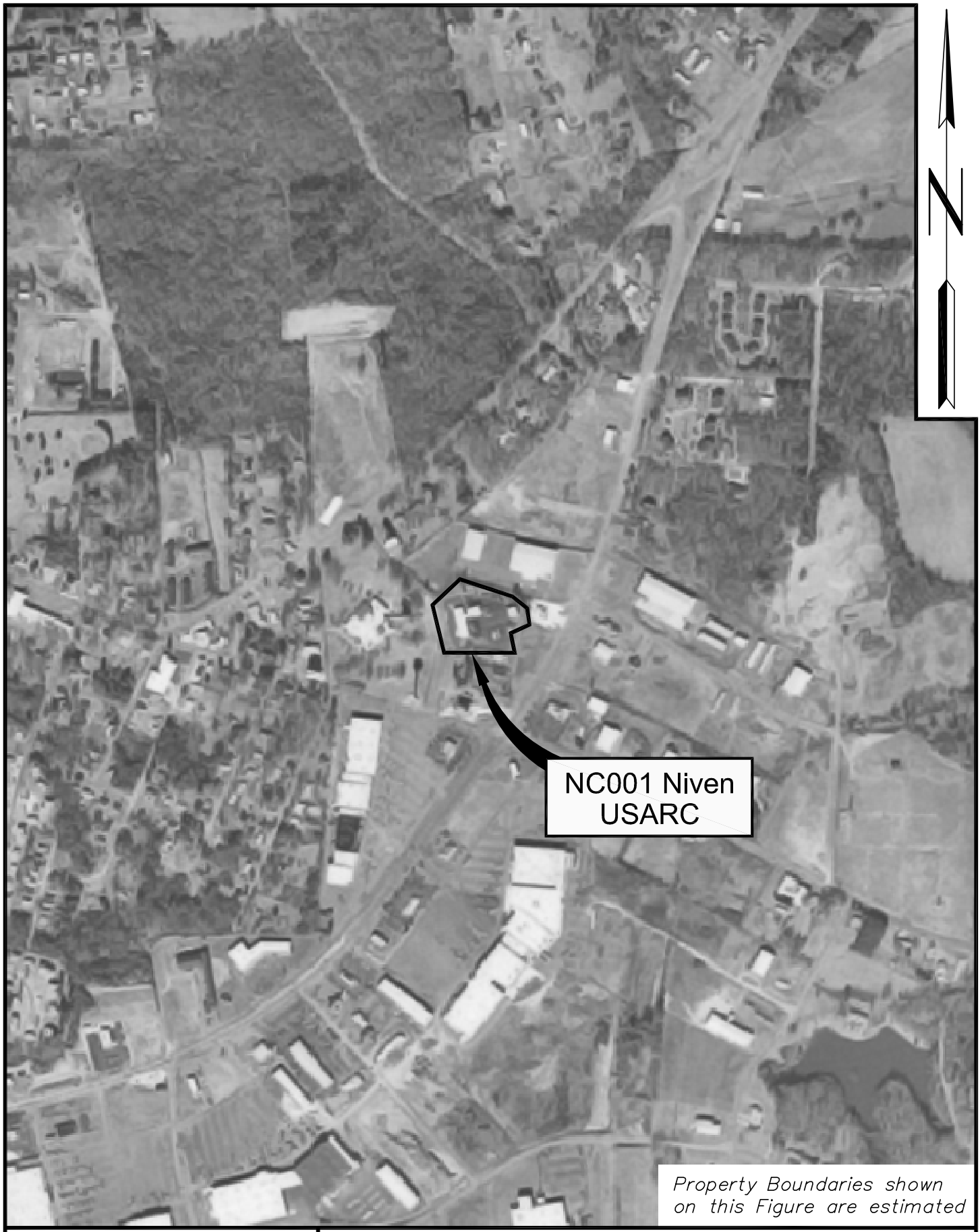
LV2006038\NC001NivenAerial1977.Dwg



EMSM ENGINEERS

FIGURE 11
1998 AERIAL PHOTOGRAPH
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

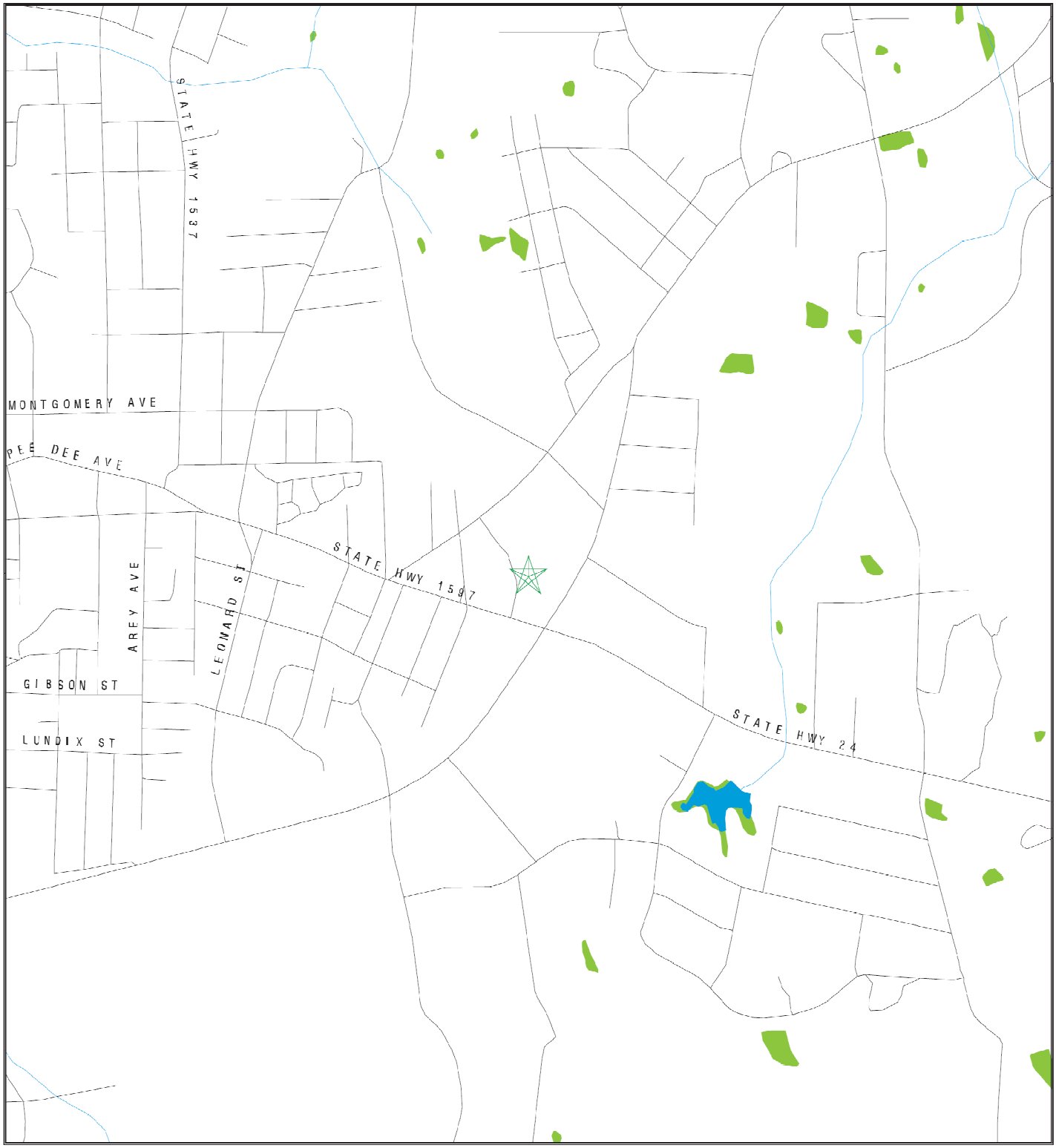
LV2006038\NC001NivenAerial1999.Dwg



EMSM ENGINEERS

FIGURE 12
1999 AERIAL PHOTOGRAPH
NC001 JESSE F. NIVEN, JR. USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV2006038\NC001NivenAerial1999.Dwg



ENGINEERS

FIGURE13
NATIONAL WETLANDS INVENTORY MAP
NC001 JESSE F. NIVEN JR., USARC
1816 East Main Street
Albemarle, Stanly County, North Carolina

LV2006038-BRAC ECPs\NC001\NC001Niven-NWI.Dwg

APPENDIX B

SITE RECONNAISSANCE PHOTOGRAPHS

Photo 1: View of USAR Center Building and POV parking area facing north.

Photo 2: Hallway in USAR Center Building, viewed from north end of building.

Photo 3: Office in USAR Center Building.

Photo 4: Storage room in USAR Center Building.

Photo 5: Classroom in USAR Center Building.

Photo 6: Supply room in USAR Center Building.

Photo 7: Arms vault at north end of supply room in USAR Center Building.

Photo 8: Mechanical room in USAR Center Building; 30-gallon drum with unknown contents in back corner.

Photo 9: Assembly hall on east side of USAR Center Building.

Photo 10: Abandoned heating oil AST located north of hallway between assembly hall and USAR Center Building.

Photo 11: View of assembly hall and Unit Storage Building facing west.

Photo 12: Storage cage in Unit Storage Building.

Photo 13: View of adjacent property to the north,
with MEP in foreground.

Photo 14: View of adjacent property to the west,
with POV parking area in foreground.

Photo 15: View of adjacent property to the south,
with MEP in foreground.

Photo 16: View of adjacent property to the east
(vacant outdoor market), with PPM shed, OMS, HAZMAT shed
and washrack in foreground.

Photo 17: View of wash rack and used oil AST, with loading ramp at right; adjacent vacant market in background.

Photo 18: View of oil-water separator facing east; adjacent used auto sales lot in the background.

Photo 19: View of HAZMAT shed facing south.

Photo 20: Interior of HAZMAT shed; full drum of solvent.

Photo 21: Storage cage in OMS; puddle of orange liquid in cage area.

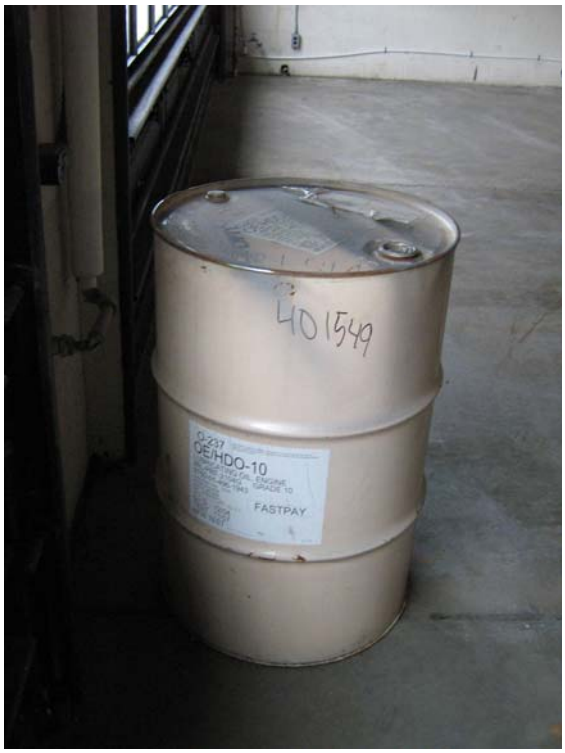


Photo 22: Drum of petroleum product (~10% full) in OMS.

Photo 23: View of PPM shed facing northeast.

Photo 24: Interior of PPM shed; empty fuel cans and buckets of snow and ice melt compound.

APPENDIX C

PROPERTY ACQUISITION DOCUMENTS AND CHAIN OF TITLE

100

STATE OF NORTH CAROLINA)
) WARRANTY DEED
COUNTY OF STANLY)

THIS INDENTURE made and entered into this 18th day of November, 1957, between MORROW BROS. & HEATH COMPANY, A CORPORATION DULY CREATED, ORGANIZED AND EXISTING UNDER AND PURSUANT TO THE LAWS OF NORTH CAROLINA AND BY E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. BIVENS (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESLIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMILLAN AND HUSBAND JOHN R. MCMILLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY S. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; H. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES, ACTING BY AND THROUGH ALLEN H. STOKES, W. O. NISBET JR., AND W. C. MASSEY, THEIR DULY APPOINTED AND AUTHORIZED ATTORNEYS IN FACT, PARTIES OF THE FIRST PART, of the State of North Carolina and County of Stanly, hereinafter called the parties of the first part, and the UNITED STATES OF AMERICA, hereinafter called the party of the second part; W I T N E S S E T H:

That the parties of the first part for and in consideration of the sum of EIGHT THOUSAND SIX HUNDRED and NO/100 ($8,600.00) DOLLARS to them in cash in hand paid by the party of the second part at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have granted, bargained, sold and conveyed and, by these presents, do grant, bargain, sell and convey unto the party of the

Schd 1

Tract # 128-18

second part and its assigns, the following described real estate, to-wit:

All that tract or parcel of land lying and being in Stanly County, North Carolina, approximately one and three quarter (1-3/4) miles east of the center of the town of Albemarle and about 145 feet east of East Albemarle Elementary School Lot and 300 feet north of N. C. Highway No. 27, bounded on the North East, and South by other land of Morrow Brothers & Heath Company, Inc., on the West by a surface treated road, and being more particularly described as follows:

Beginning at a point on the east right-of-way line of the surface treated road, 300 feet north of the north right-of-way line of N. C. Highway No. 27, the aforementioned surface treated road being located 144.6 feet east of the southeast property corner of East Albemarle Elementary School Lot; thence along the east right-of-way line of the aforementioned surface treated road N. 16° 07' E 75.7 feet to the point of curve; thence along a 22 degree curve to the left, having a radius of 260.44 feet for an arc distance of 213.9 feet to a point on the curve; thence leaving the road and along the following new lines through the lands of Morrow Brothers & Heath Company, Inc., N 47° 58' E 156.23 feet to an iron pipe; thence S 73° 53' E 400 feet to an iron pipe; thence S 16° 07' W 400 feet to an iron pipe; thence N 73° 53' W 400 feet to the point of beginning, and containing 3.92 acres, more or less.

Said premises are conveyed subject to existing easements for public roads and highways, railroads, transmission lines, pipe lines, and other utilities as now located over and across the above described tract.

TO HAVE AND TO HOLD the said described property together with all and singular the rights, members, hereditaments and appurtenances to the same belonging or in anywise appertaining, to the only proper use, benefit and behoof of the said party of the second part and its assigns in FEE SIMPLE forever.

The parties of the first part for themselves, their heirs, executors and administrators, will forever warrant and defend the title to the said property unto the party of the second part and its assigns against the lawful claims of all persons whomsoever; AND

The parties of the first part for themselves, their heirs, executors and administrators, quit claim to the UNITED STATES OF AMERICA and its assigns all right, title and interest which they may have in the banks, beds and waters of any streams bordering the said land, and, also, all interest in any alleys, roads, streets, ways, strips, gores or railroad and transmission line right-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

IN TESTIMONY WHEREOF, the parties of the first part have hereunto set their hands and seals on the day and year first above written.

MORROW BROTHERS & HEATH COMPANY, INC.

By /s/ J. H. Morrow (SEAL)
President

(Corporate Seal)

ATTEST:

/s/ H. P. Morrow
Secretary of Morrow Brothers & Heath Co., Inc.

/s/ Allen H. Stokes (SEAL)
ALLEN H. STOKES

/s/ W. O. Nisbet, Jr. (SEAL)
W. O. NISBET, JR.

/s/ W. C. Massey (SEAL)
W. C. MASSEY

Attorneys in Fact for the Individual Parties of the First Part

NORTH CAROLINA :
:
STANLY COUNTY :

This is to certify that on this the 20th day of November, 1957 before the undersigned Notary Public of Stanly County, North Carolina, personally appeared H. P. Morrow and acknowledged that he is the Secretary of Morrow Brothers & Heath Company, Inc. and that by authority duly given and as the act of said corporation, the foregoing instrument was signed in its name by J. H. Morrow, its President, sealed with its corporate seal and attested by himself as its Secretary.

Witness my hand and Notarial seal date above written.

/s/ Willie E. Shankle (SEAL)
Notary Public

My Commission expires 10/16/58.

STATE OF SOUTH CAROLINA :
:
COUNTY OF SPARTANBURG :

I, Eleanor Louise Holt, A Notary Public of Spartanburg County, South Carolina, do hereby certify that Allen H. Stokes, Attorney in Fact for E. P. NISBET AND WIFE MARY MCCLUNG NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA;

W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. GIVENS (WIDOW) OF PICKENS COUNTY SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN R. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY B. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES, personally appeared before me this day and being by me duly sworn, says that he executed the foregoing and annexed instrument for and in behalf of E. P. NISBET AND WIFE MARY ALCLUR NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. GIVENS (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN R. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY B. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET JR., TRUSTEES and that his authority to execute and acknowledge said instrument is contained in an instrument duly executed, acknowledged and recorded in the office of the Register of Deeds for Stanly County, North Carolina, on the 9th day of January, 1956 in Deed Book 183,

pages 330 and 336, and that this instrument was executed under and by virtue of the authority given by said instrument granting him Power of Attorney; that the said Allen H. Stokes acknowledged the due execution of the foregoing and annexed instrument for the purposes therein expressed for and in behalf of the said E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. BIVENS (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LUNA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN R. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY S. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES.

Witness my hand and Notarial seal, this the 18th day of November, 1957.

/s/ Eleanor Louise Holt (SEAL)
Notary Public

My commission expires at the pleasure of the Governor.

STATE OF NORTH CAROLINA;
COUNTY OF MECKLENBURG :

I, E. Ione Smith, A Notary Public of Mecklenburg County, North Carolina, do hereby certify that W. O. Nisbet, Jr., Attorney in Fact for E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. BIVENS (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LUNA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN

AND HUSBAND JOHN A. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY S. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES, personally appeared before me this day and being by me duly sworn, says that he executed the foregoing and annexed instrument for and in behalf of E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. STEVENS (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN A. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH S. MASSEY OF UNION COUNTY, NORTH CAROLINA; H. H. MASSEY AND WIFE BESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DILCIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY S. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES, and that his authority to execute and acknowledge said instrument is contained in an instrument duly executed, acknowledged and recorded in the office of the Register of Deeds for Stanly County, North Carolina, on the 9th day of January, 1956 in Deed Book 183, pages 330 to 338, and that this instrument was executed under and by virtue of the authority given by said instrument granting him Power of Attorney; that the said W. O. Nisbet, Jr., acknowledged the due execution of the foregoing and annexed instrument for the purposes therein expressed for and in behalf of the said E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, JR., AND WIFE REBECCA J. NISBET OF MECKLENBURG

COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. [illegible] (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN R. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH B. MASSEY OF UNION COUNTY, NORTH CAROLINA; N. H. MASSEY AND WIFE JESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DIXIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY B. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, Jr., TRUSTEES,

Witness my hand and Notarial seal, this the 19th day of November, 1957.

/s/ E. Ione Smith (SEAL)
Notary Public

My Commission expires Aug 16, 1959.

STATE OF NORTH CAROLINA;
COUNTY OF UNION

I, T. R. Nisbet, a Notary Public of Union County, North Carolina, do hereby certify that W. C. Massey, Attorney in Fact for E. P. NISBET AND WIFE MARY MCCLURE NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; W. O. NISBET, Jr., AND WIFE REBECCA J. NISBET OF MECKLENBURG COUNTY, NORTH CAROLINA; D. HEATH NISBET AND WIFE PAULINE NISBET OF LENOIR COUNTY, NORTH CAROLINA; MRS. D. E. [illegible] (WIDOW) OF PICKENS COUNTY, SOUTH CAROLINA; MRS. LESSIE H. HEATH (WIDOW OF ALLEN A. HEATH) OF UNION COUNTY, NORTH CAROLINA; LURA A. HEATH (SINGLE) OF UNION COUNTY, NORTH CAROLINA; MARY HEATH MCMULLAN AND HUSBAND JOHN R. MCMULLAN OF WASHINGTON, D. C.; W. C. MASSEY AND WIFE ELIZABETH B. MASSEY OF UNION COUNTY, NORTH CAROLINA; N. H. MASSEY AND WIFE JESSIE S. MASSEY OF UNION COUNTY, NORTH CAROLINA; O. E. MASSEY AND WIFE LUCILLE P. MASSEY OF GASTON COUNTY, NORTH CAROLINA; ALLEN H. STOKES AND WIFE DIXIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA; MARY B. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. MASSEY AND W. O. NISBET, JR., TRUSTEES,

STOKES AND WIFE BILLIE TARPLEY STOKES OF SPARTANBURG COUNTY, SOUTH CAROLINA, MARY S. STOKES (SINGLE) OF SPARTANBURG COUNTY, SOUTH CAROLINA; THOMAS H. STOKES AND WIFE OLCUTT SANDERS STOKES OF KNOX COUNTY, TENNESSEE; R. WILSON STOKES AND WIFE JOYCE W. STOKES OF LA CRESCENTA COUNTY, CALIFORNIA; AND W. C. HASSEY AND W. O. NISBET, JR., TRUSTEES.

Witness my hand and Notarial seal, this the 19th day of November, 1957.

/s/ T. R. Nisbet (SEAL)
Notary Public

My Commission expires 1/2/58.

NORTH CAROLINA,

STANLY COUNTY,

The foregoing Certificates of Willie E. Shankle, a Notary Public of Stanly County, North Carolina, of Eleanor Louise Holt, a Notary Public of Spartanburg County, South Carolina, and of T. R. Misbet, a Notary Public of Union County, North Carolina, and E. Lone Smith, a Notary Public of Mecklenburg County, North Carolina, are each adjudged to be in due form and according to law. Therefore, let the foregoing and attached instrument of writing, together with the certificates, be recorded.

This the 20th day of November, 1957.

/s/ Everett G. Beam
CLERK SUPERIOR COURT

Documentary Stamps
$9.90

OFFICE OF REGISTER OF DEEDS
STANLY COUNTY, N. C.
Filed for registration in this office on the 20 day of Nov. 19 57, at 3 o'clock P.M. and duly recorded and verified in Deed Book No. 190 Page 141

(stamped) L. R. Almond
Register of Deeds

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

JESSE F. NIVEN JR. USARC
1816 E MAIN ST
ALBEMARLE, NORTH CAROLINA

Submitted to:

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

Attention: Rob Newman

Project No. N06-4489

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, situated and lying along Main Street in the City of Albemarle, Stanly County, State of North Carolina

Assessor's Parcel No: 655803243614

1. HISTORICAL CHAIN OF TITLE

1. DEED UNDER POWER OF ATTORNEY:
   - RECORDED: 08-18-1936
   - GRANTOR: Estate of H S Freeman
   - GRANTEE: Morrow Brothers & Heath Company
   - INSTRUMENT: Bk 103, Pg 139

2. WARRANTY DEED:
   - RECORDED: 11-20-1957
   - GRANTOR: Morrow Brothers & Heath Company, et al
   - GRANTEE: United States of America
   - INSTRUMENT: Bk 190, Pg 141

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, 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.

The EDR Environmental Lien Search Report

JESSE F. NIVEN JR. USARC
1816 E MAIN STREET
ALBEMARLE, NORTH CAROLINA

Wednesday, August 30, 2006

Project Number: L06-4488

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

JESSE F. NIVEN JR. USARC
1816 E MAIN STREET
ALBEMARLE, NORTH CAROLINA

DEED INFORMATION

Type of Deed: WD ☒ QCD ☐ Other ☐

Title is vested in: United States of America

Title received from: Morrow Brothers & Heath Company, a California Corporation, et al

Deed Dated: 11-18-1957
Deed Recorded: 11-20-1957
Book: 190
Page: 141

LEGAL DESCRIPTION

Description: Being that parcel or tract of land, situated and lying along Main Street in the City of Albemarle, Stanly County, State of North Carolina

Assessor's Parcel Number: 655803243614

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.

APPENDIX D

PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

- 2005 SPCC Plan
- 2005 SWP3
- 2004 LBP Survey
- 2002 Asbestos Re-Inspection Report
- 1995 OWS Cleaning Report
- 1995 OWS Inspection Report
- 1994 UST Closure Report
- 2006 OWS Soil Sampling Report
- 2005 OWS Servicing Report
- 2006 NCDENR Corrective Action Request

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

&

INSTALLATION SPILL CONTINGENCY PLAN (ISCP)

United States Army Reserve Center

ALBEMARLE, NORTH CAROLINA

(NC001)

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

MAY 2005

ALBEMARLE SPCCP & ISCP

(NC001)

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APPENDICES

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REVISIONS

Initial Preparation: May 2005

Initial Revision:

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
OMS	Operational Maintenance Shop
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.

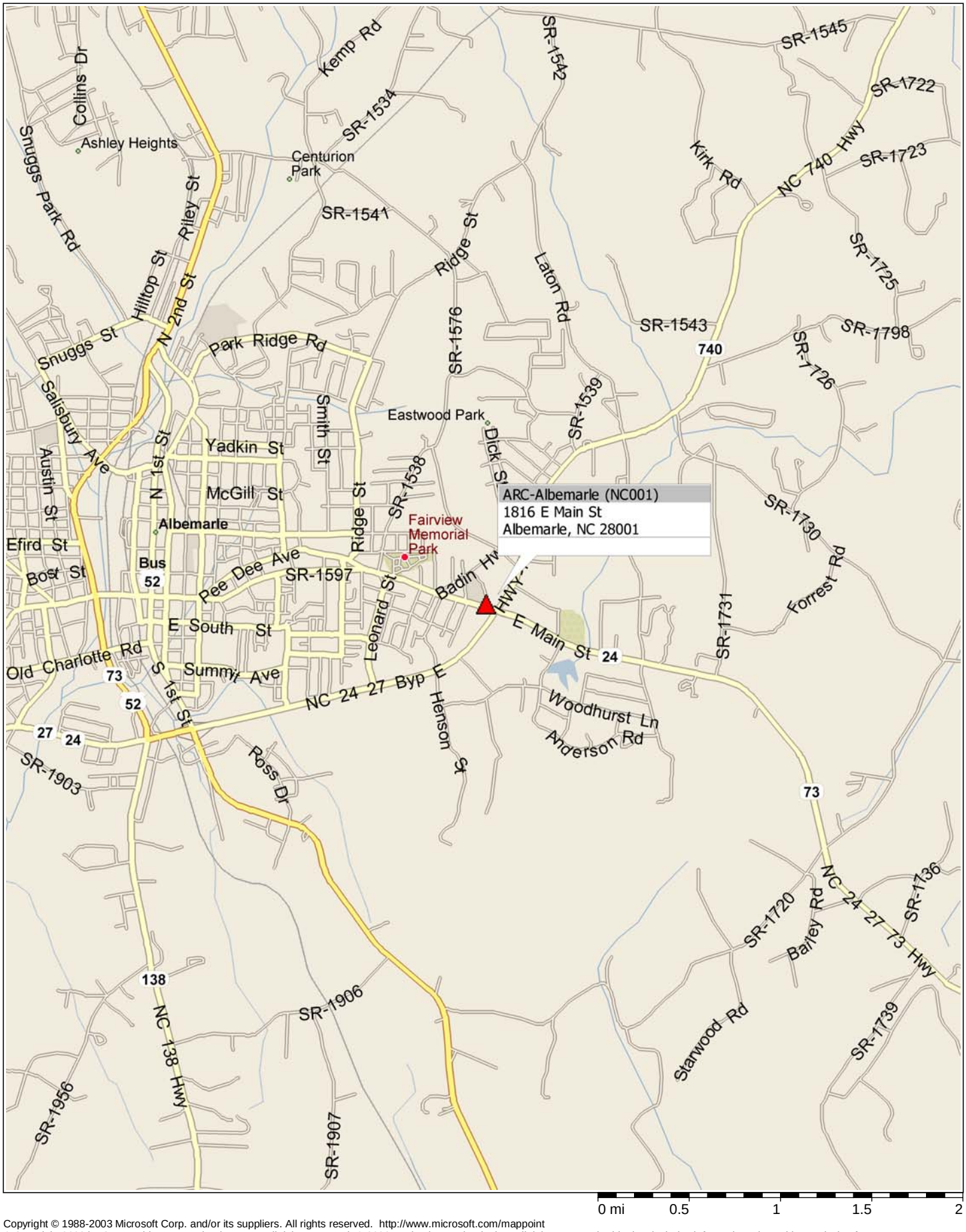
7. Identification of specific actions to take in the event of a spill.

8. Procedures for reporting a spill.

9. A description of safety precautions for known hazardous substances.

10. Recommendations for public affairs.

ARC-Albemarle Location Map Fig. 1-0



2.0 FACILITY OVERVIEW

2.1 Name and Location

Jesse Niven Jr. US Army Reserve Center (NC001)
1816 E. Main Street
Albemarle, NC 28001

2.2 Date of Initial Operation

The facility was constructed in 1958 and has received several renovations. Renovations to the facility include a wash rack facility and oil/water separator.

2.3 Operation and Activities

The facility is home to the 227th Transportation Company and includes an OMS, a PPM Storage Building, a HAZMAT Storage Building and a Unit Storage Building. The operations performed at the OMS include very minor general vehicle maintenance and storage of small amounts of petroleum oil lubricants and hazardous materials (i.e., antifreeze, paint products, etc.). Major repairs and maintenance to equipment are conducted at the AMSA in Charlotte. Materials are stored in the shop, PPM Storage Building, HAZMAT Storage Building, Unit Storage Building and the used oil storage tank.

2.4 Geographical/Topographical Description

The facility is located in the northeast section of Stanly County, east of State Route 52 on E. Main Street next to East Albemerle Elementary School. The facility site generally drains east and southeast to several storm drain inlets that route the flow to the municipal stormwater.

Figure 1-0 shows the site location of the facility.

3.0 POTENTIAL SPILL SOURCES

The Motorpool Sergeant / Facility Manager will attach the most current product inventory 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 Operations Maintenance Shop (OMS)

Small amounts of petroleum, oils, lubricants, gasoline, grease, transmission fluid, brake fluid, and antifreeze may be used in the two (2) bay shop. These materials could possibly spill during routine maintenance of the vehicles. There is no trench drain system to prevent possible spill migration but the outside parking area has an asphalt surface that provides additional protection in the event of a spill leaving the shop. No spill supplies are located in the shop. An inventory of the products in the shop is shown in Appendix E.

3.2 PPM Storage Shed

The PPM Storage Building is located north of the OMS and contains empty gas cans and detergents. No spill response supplies are located in the area. Inventory for materials stored in this area are found in Appendix E.

3.3 HAZMAT Storage Building

The HAZMAT Storage Building is located south of the OMS and has a containment compartment located below the open grate floor to collect potential spills. The building provides adequate spill protection but spill supplies are not readily available. Inventory for materials stored in this area are found in Appendix E.

3.4 Unit Storage Building

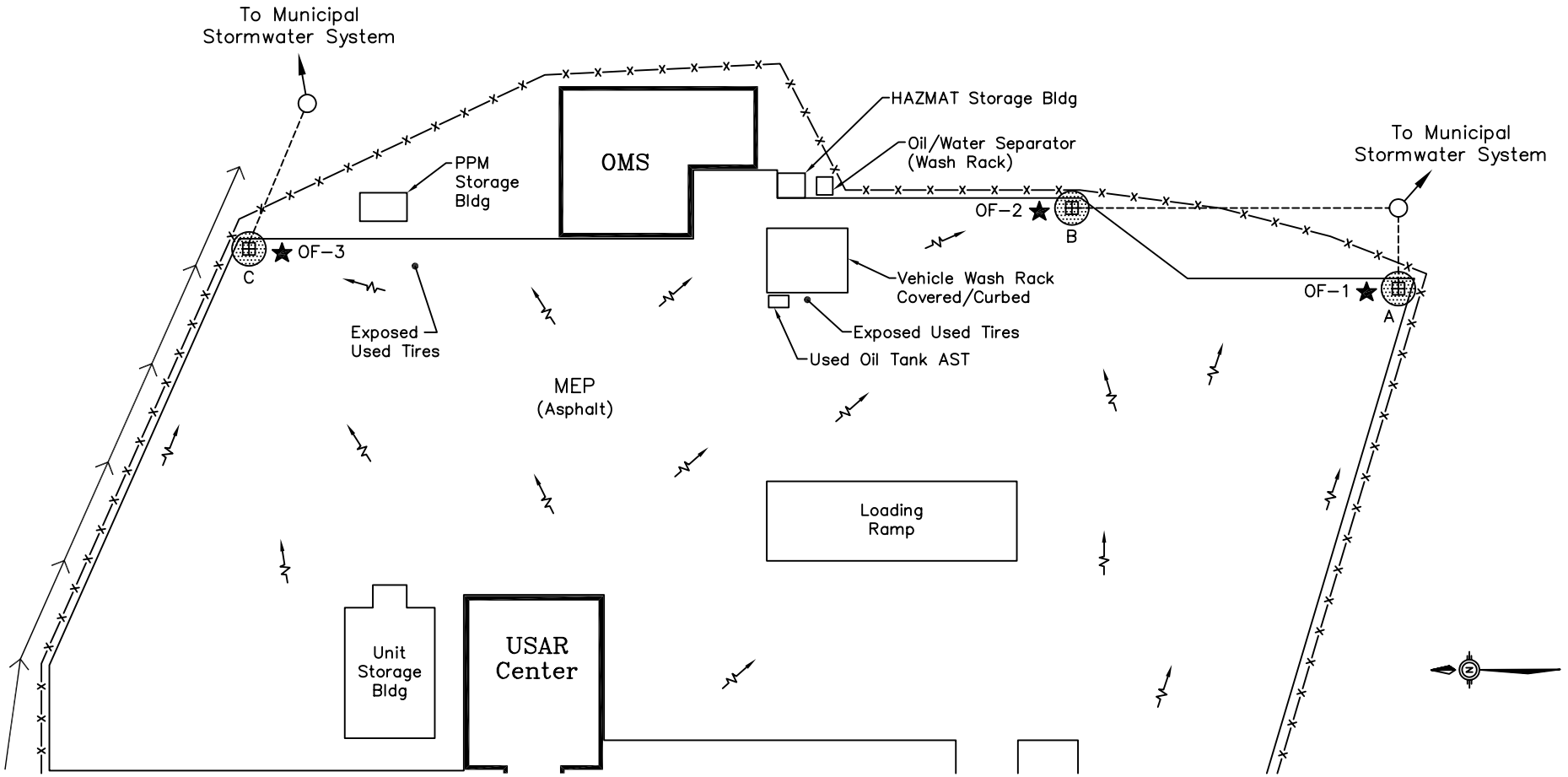
This metal building is located west of the OMS near the Main Reserve Center building. Outdated dry water treatment chemicals are stored here awaiting disposal. Inventory for materials stored in this area are found in Appendix E until they are disposed.

3.5 Used Oil Storage Tank

The Used Oil Storage Tank is sitting on the ground in the asphalt MEP adjacent to the vehicle washrack on the south side of the shop. Although the tank is double-lined, there is no other secondary containment to hold the contents in case of rupture. The tank fill connection was closed during the site visit, but the tank is exposed to all types of weather, which can be severe at times. No spill response supplies are located in the area.

3.6 Military Equipment Parking (MEP)

The Military Equipment Parking area is used to store various size military vehicles. 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 available but very few vehicles were there at the time of the site visit. Spill response supplies were not readily available for use. The area is asphalt, which will provide some protection in the event of a spill. An abandoned heating oil tank is located near the main reserve center that is awaiting disposal. The vehicle wash rack is located in the middle of the MEP just south of the shop and has an oil/water separator that discharges to the sanitary sewer system.



LEGEND

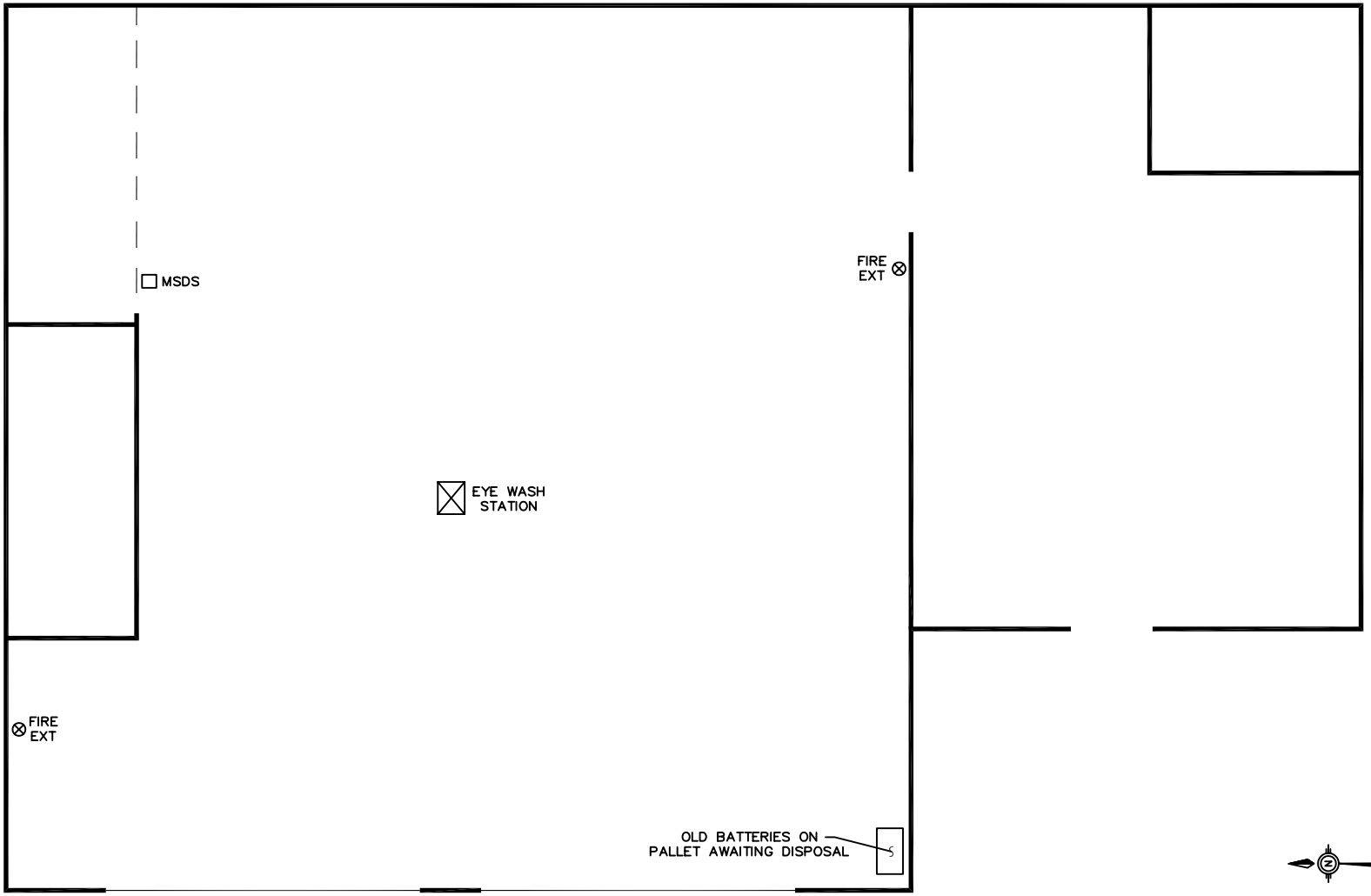
- Areas to be Protected in the Event of a Spill
- Stormwater Run-off
- Security Fence
- Storm Sewer
- Storm Drain
- Grassy Swale
- Manhole
- Building
- Unregulated Outfall

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

FIGURE 3.1
US ARMY RESERVE CENTER (NC001)
SPCCP – OMS
ALBEMARLE, NC

DATE	PREPARED BY:	DRAWN BY:	REV
04-06-05	M. MOLTZEN	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	SPCCP_OMS_ALBEMARLE_NC	1 OF 1



ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

FIGURE 3.2
US ARMY RESERVE CENTER (NC001)
OMS FLOOR PLAN
ALBEMARLE, NC

DATE	PREPARED BY:	DRAWN BY:	REV
08-19-04	M. MOLTZEN	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	OMS_FLOOR PLAN_ALBEMARLE_NC	1 OF 1

4.0 FACILITY DEFICIENCIES

No spill response supplies are located anywhere at this site. The spill supplies were taken with the unit when it was deployed. There is no trench drain system and large spills could migrate out into the parking area and into a nearby storm drains but the small quantity of material on hand would make that very unlikely.

4.1 OMS

No spill response supplies are available but no maintenance is being performed at this time. When unit returns, spill supplies need to be staged in the shop. Corrective measures will be discussed in Section 5 of this plan.

4.2 PPM Storage Building

Very little material is stored here and possible spills would not migrate outside but no spill response supplies are available. Corrective measures will be discussed in Section 5 of this plan.

4.3 HAZMAT Storage Building

The HAZMAT Storage Building has containment compartments located below the open grate floor for collection and storage of potential spills. It appears that the containment compartment is designed properly but no spill response supplies are available. Corrective measures will be discussed in Section 5 of this plan.

4.4 Unit Storage Building

Outdated dry water treatment chemicals should be disposed of promptly and not stored in this building in the future. The HAZMAT Storage Building and the PPM Storage Building can be utilized to store this type of material. No corrective actions are required once materials are properly disposed.

4.5 Used Oil Storage Tank

The Used Oil Storage Tank is sitting on the ground. Although the tank is double-lined, there is no other secondary containment to hold the contents in case of rupture. The tank fill connection was closed and locked during the site visit, but the tank is exposed to all types of weather, which can be severe at times. No spill response supplies are available and corrective measures will be discussed in Section 5 of this plan.

4.6 Military Equipment Parking Area

The asphalt parking area does provide limited protection in the event of a spill or vehicle POL leak. Vehicle drip pans/pads were available but spill response supplies were not readily available for use. Countermeasure improvements will be discussed in Section 5 of this plan.

4.7 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 OMS

The spill response supplies (emergency spill control kits) 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, none were on hand.

Table 5-1 Spill Control Items for Shop

Item	Unit	Size	Quantity
Absorbent Pads	Bundle	100	1
Absorbent Booms	Bundle	5 feet	3
Oil Absorbent	Bag	44 liters	2
Non-sparking Shovel	Each	-	1
Polyurethane Squeegee	Each	-	1
Overpack Drum	Each	30 gallons min.	1

In the event of a spill, if necessary, personnel should immediately use the spill response supplies to further contain a potential spill. **All emergency spill equipment should be readily obtainable and not be located in a secured area (i.e., locked cage or locked room).**

5.2 HAZMAT Storage Building/PPM Building/Washrack/MEP

Spill control kits need to be readily accessible for use in the event of a spill. The spill control items emergency spill control kit) listed in Table 5-2 should be staged at the vehicle washrack and the PPM Storage Building. This will provide spill protection for the HAZMAT Building, the washrack, the PPM Building and the MEP.

Table 5-2 Spill Control Items for HAZMAT Bldg/PPM Bldg/Washrack/MEP

Item	Unit	Size	Quantity
Absorbent Pads	Bundle	100	1
Absorbent Booms	Bundle	10 feet	2
Oil Absorbent	Bag	44 liters	2
Overpack Drum	Each	30 gallons min.	1

5.3 Used Oil Storage Tank

The Used Oil Storage Tank is sitting on the ground and the tank is double-lined, but it should be under cover and preferably on a bermed, covered platform to provide additional containment in case of spill. The HAZMAT Building currently has adequate room for this tank and would provide the needed cover and containment.

5.4 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):

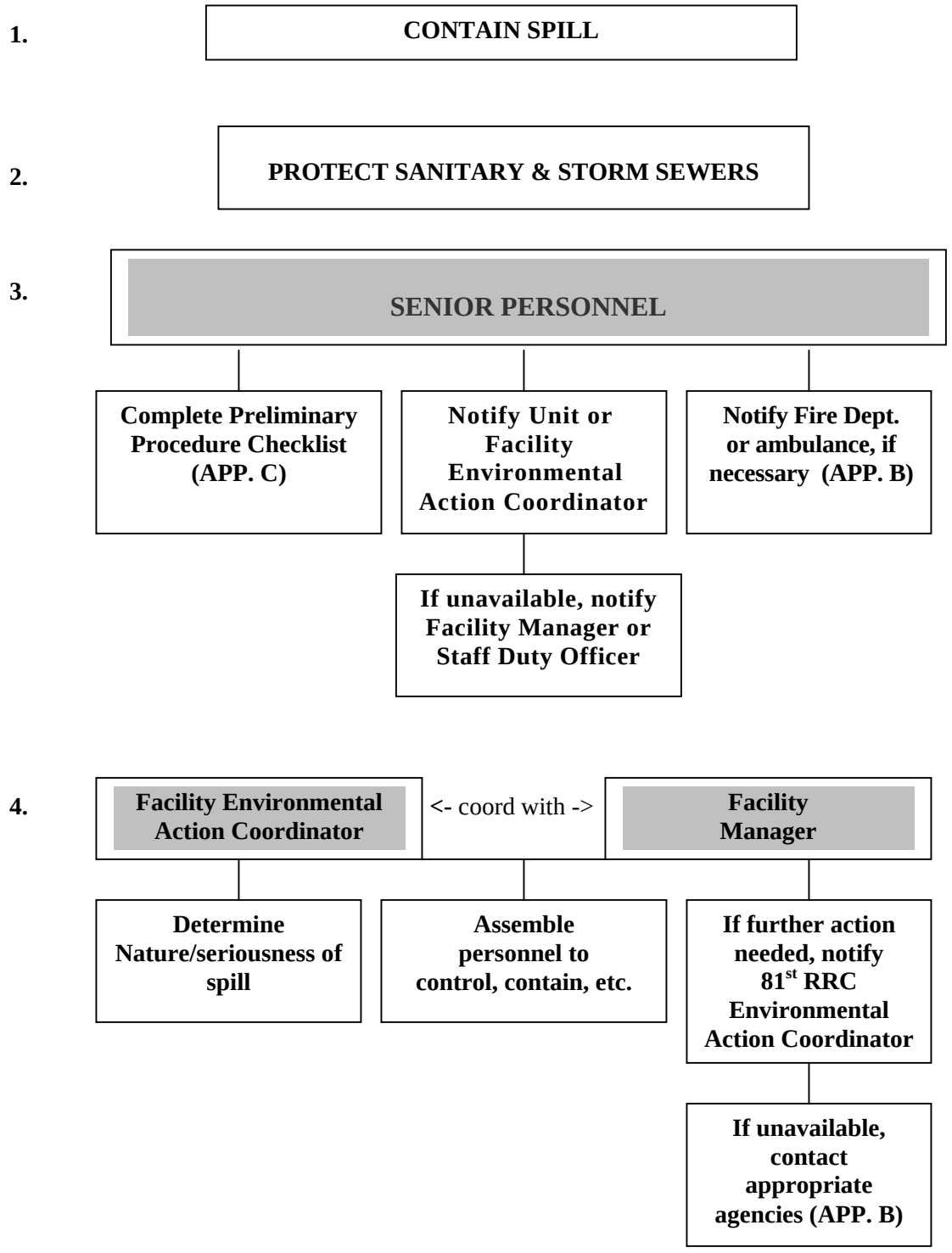
1. Contain the spill as best possible with readily available means to prevent the spill from migrating to a larger area. Control devices such as spill control booms and absorbent material should be used. Personnel safety will remain first priority.

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

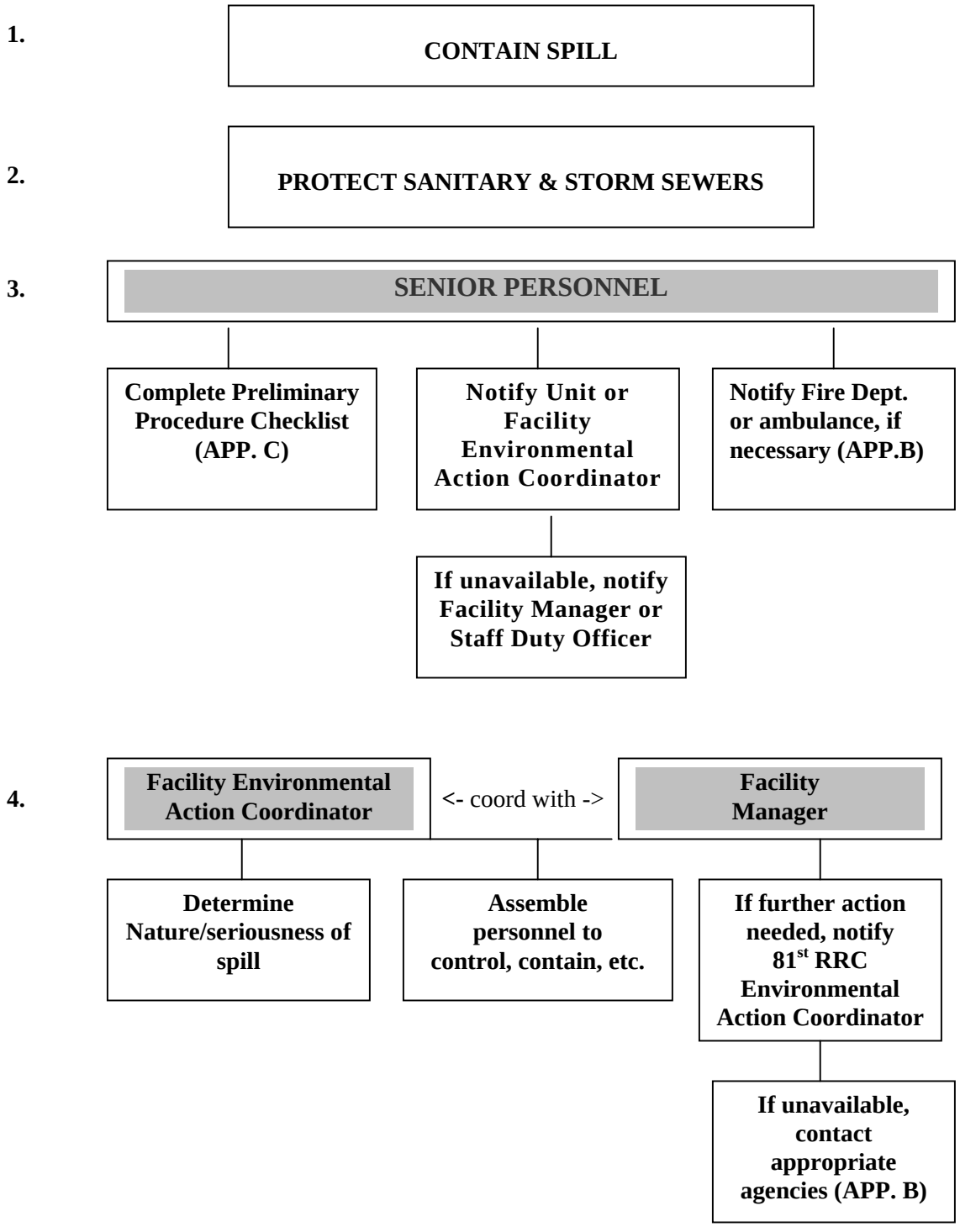
Prior to all exercises, the unit Commander and the Environmental Action Coordinator should determine a practical method for spill control in the field. Actions to be implemented should be as follows:

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. North Carolina Department of Environment & Natural Resources (NCDENR)
   1601 Mail Service Center
   Raleigh, NC 27699-1601
   1-919-733-4984

4. North Carolina Emergency Operations Center
   1-800-858-0368

5. 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: R Bell

Registration No: 7441

State: SC

Date: 5/10/05

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

Latonia Lampley
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704) 982-9378

Alternate (vacant)
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704)

3. Facility Environmental Action Coordinator

SFC William Muex
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704) 982-4815

Latonia Lampley (Alternate)
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704) 982-9378

4. 81st RRC Environmental Action Coordinator

Michelle Hook
81st RRC
Bldg.13000 Jackson Blvd.
Columbia, SC 29207-6580
(803) 751-6757

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

SFC William Muex
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704) 982-4815

Latonia Lampley (Alternate)
Jesse Niven Jr. USARC
1816 E. Main Street
Albemarle, NC 28001-5332
(704) 982-9378

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. North Carolina Department of Environment & Natural Resources (NCDENR)
   1601 Mail Service Center
   Raleigh, NC 27699-1601
   1-919-733-4984

4. North Carolina Emergency Operations Center
   1-800-858-0368

5. 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.

O M S

INSERT CURRENT PPM INVENTORY HERE

INCLUDING ANY FLAMMABLE STORAGE
AND CORROSIVE STORAGE CABINETS

PPM STORAGE BUILDING

INSERT CURRENT PPM INVENTORY HERE

(IF APPLICABLE)

HAZMAT STORAGE BUILDING

INSERT CURRENT PPM INVENTORY HERE

UNIT STORAGE BUILDING

INSERT CURRENT PPM INVENTORY HERE

(IF APPLICABLE)

Stormwater Pollution Prevention Plan (SWP3)

United States Army Reserve Center

1816 East Main Street
Albemarle, North Carolina

EEG, INC
Environmental & Construction Services

Prepared By:
Environmental Enterprise Group, Inc.
1345 Barracks Road
North Charleston, SC 29405

Prepared for:
U.S. Army Reserve Center
81st Regional Readiness Command
Birmingham , Alabama

SWP3 CERTIFICATION
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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: Robert S Kelly Jr. Environmental Enterprise Group Inc.
TITLE: Environmental Technician
TELEPHONE NUMBERS: (843) 202-8032

ACRONYMS AND ABBREVIATIONS	
ABMP	**A**dvanced **B**est **M**anagement **P**ractice
AMSA	**A**rea **M**aintenance **S**upport **A**ctivity
ATF	**A**utomotive **T**ransmission **F**luid
BMP	**B**est **M**anagement **P**ractice
CFR	**C**ode of **F**ederal **R**egulations
DCSENG	81st RRC **D**eputy **C**hief of **S**taff **Eng**ineer, Environmental Division
DRMO	**D**efense **R**eutilization and **M**arketing **O**ffice
HMMWV	**H**igh **M**obility **M**ulti-purpose **W**heeled **V**ehicle
MEP	**M**ilitary **E**quipment **P**ark
MSDS	**M**aterial **S**afety **D**ata **S**heet
NOI	**N**otice **o**f **I**ntent
NPDES	**N**ational **P**ollutant **D**ischarge **E**limination **S**ystem
NSWD	**N**on-Storm**w**ater **D**ischarge
OF	**O**ut**f**all
OMS	**O**rganizational **M**aintenance **S**hop
POC	**P**oint-**o**f-**C**ontact
POL	**P**etroleum, **O**il, and **L**ubricants
POV	**P**rivately **O**wned **V**ehicle
PPM	**P**otentially **P**olluting **M**aterial
PPT	**P**ollution **P**revention **T**eam
RRC	81st **R**egional Readiness **C**ommand, Birmingham, North Carolina
SCU	**S**econdary **C**ontainment **U**nit
SOP	**S**tandard **O**perating **P**rocedure
SWP3	**S**torm**w**ater **P**ollution **P**revention **P**lan
USAEC	**U.S. A**rmy **E**nvironmental **C**enter
USAR	**U.S. A**rmy **R**eserve
USEPA	**U.S. E**nvironmental **P**rotection **A**gency

TABLE OF CONTENTS

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

The Jesse F Niven Jr USAR Center currently has no additional permits pending approval from the state or EPA, nor have any permits been issued to the facility.

1.2 FACILITY DESCRIPTION

Jesse F Niven Jr USARC (NC001) and OMS are located at 1816 E Main Street in Stanly County, North Carolina (figure 1.2) (PHOTO 1). NCDENR-regulated activities include the OMS and Military Equipment Park (MEP) (figure 3.1)(PHOTO 2). Non-regulated activities include administrative areas and privately-owned vehicle (POV) parking (PHOTO 3).

Maintenance conducted at Jesse F Niven Jr USARC OMS includes operator and limited organizational maintenance support of military vehicles and related equipment by Army Reserve unit personnel during regularly scheduled weekend training sessions.

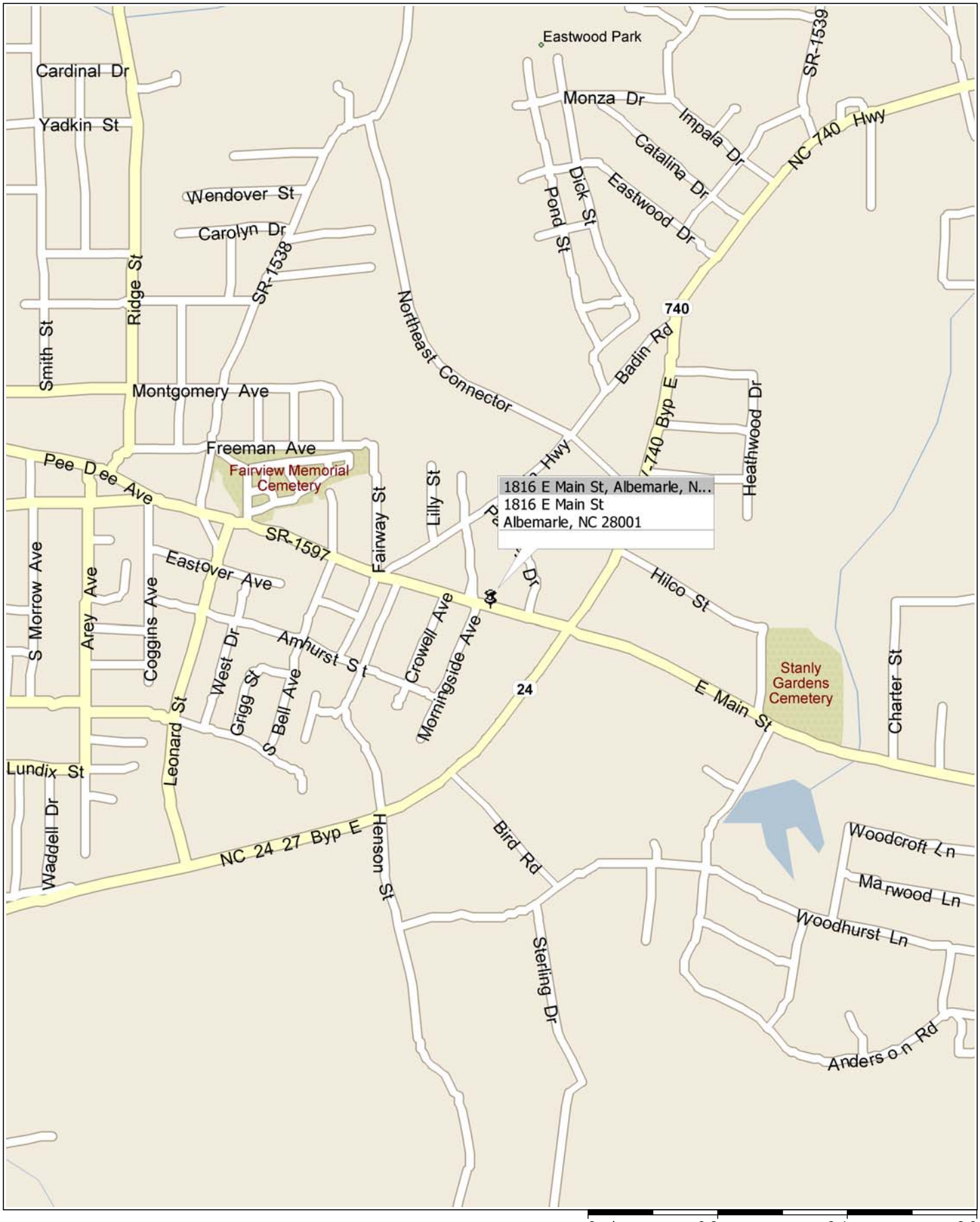
1.3 PLAN DEVELOPMENT

This plan was prepared by the Environmental Enterprise Group, Inc. (EEG) of Charleston, North Carolina. Information and plans included in this plan were developed from site inspections, and from 81st RRC supplied information. Some information was taken from the previous SWP3.

1.4 PLAN REVISIONS

The SWP3 should be updated as needed. 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.

Jesse F Niven Jr USARC, (NC001) Albemarle , NorthCarolina



2.0 POLLUTION PREVENTION TEAM

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. Below lists the members of the PPT and shows their respective duties. Additional members may be added to the PPT as needed.

81st RRC DEPUTY CHIEF OF STAFF ENGINEER (DCSENG), ENVIRONMENTAL DIVISION (205 940-3541.)

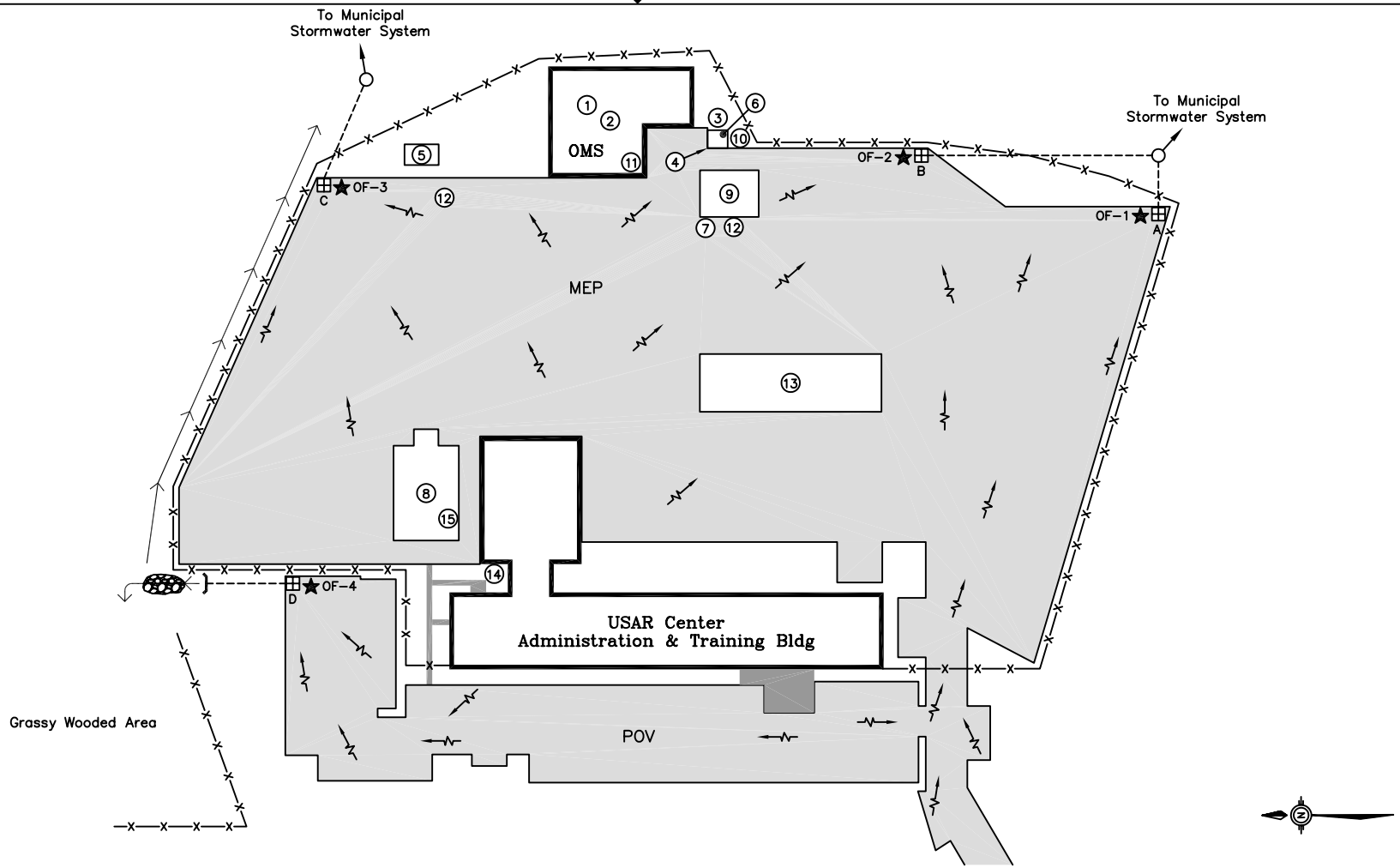
- Reviews and approves the SWP3 and any modifications or updates to the plan
- Coordinates with State and Federal regulators for modifications to the plan
- Provides guidance and information as requested.
- Performs site compliance evaluations (if required)

JESSE F NIVEN JR USARC FACILITY MANAGER, (704 982-9378) has overall responsibility for ensuring that the stormwater pollution prevention program is implemented at the facility. His duties include the following:

- 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 official emergency spill coordinator for the facility.
- Coordinates with Motorpool Sergeant during monthly stormwater inspections.
- Informs Commanding Officer and 81st RRC DCSENG of problems, and equipment and training needs.

MOTORPOOL SERGEANT, (704 982-9378) assists Facility Manager with implementation of the SWP3 at the facility. His duties include the following:

- Coordinates with Facility Manager on equipment, construction, and training needs.
- Serves as alternate 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 unit personnel implement good housekeeping, preventive maintenance, and spill prevention practices at the motorpool.



SITE MAP CODE GUIDE

1—MSDS Location
2—Eye Wash Station
3—Old Parts Washing Solvent Vat (to be Disposed)
4—HAZMAT Storage Bldg
5—PPM Storage Bldg
6—Flammable Storage Cabinet
7—Used Oil Tank AST
8—Unit Storage Bldg
9—Vehicle Wash Rack—Covered/Curved
10—Oil/Water Separator (Wash Rack)
11—Old Batteries on Pallet (Awaiting Disposal)
12—Exposed Used Tires
13—Loading Ramp
14—Abandoned Heating Oil AST
15—Powered Calcium Hypo Chlorite Containers

LEGEND

Stormwater Run-off		Grassy Swale		Asphalt	
Security Fence	—x—	Rip Rap		Concrete	
Storm Sewer	-----	Manhole	○	Grass	
Storm Drain	⊞	Building			
Headwall	}	Unregulated Outfall	★		

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

FIGURE 3.1
US ARMY RESERVE CENTER (NC001)
SWP3 – SITE MAP
ALBEMARLE, NC

DATE	PREPARED BY:	DRAWN BY:	REV
08-18-04	M. MOLTZEN	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	SWP3_SITE MAP_ALBEMARLE_NC	1 OF 1

3.0 ASSESSMENT

As required by state and federal regulations, 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

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 **(site #),** which are identified throughout this section.

3.2 DRAINAGE

Site observation and flow charts show that stormwater primarily exits the site through a series of storm drains and grassy swales to grassy areas outside the site and the municipal stormwater system. The site is primarily paved with grassy areas around the administration building.

The POV is located west of the administration building. There are no PPM storage areas in the POV. Stormwater from the north side of the POV flows to unregulated outfall 4 where it is conveyed through storm sewers to a grassy area north of the site. Stormwater from the south side of the POV flows onto the access road and into the MEP area.

The MEP is located on the east side of the site. All the PPM stored on site is located in either the MEP or associated OMS Building. Stormwater from the north side of the MEP flows to unregulated outfall 3 where it is conveyed through storm sewers to the municipal stormwater system. Stormwater from the south side of the MEP flows to unregulated outfall 1 and 2 where it is conveyed through storm sewers to the municipal stormwater system.

3.3 STRUCTURES

Site observation and flow charts show that stormwater primarily exits the site through a series of storm drains and grassy swales to grassy areas outside the site and the municipal stormwater system. The site is primarily paved with grassy areas around the administration building. The paved lots are in good condition and stormwater seems to exit the site efficiently. There was little to no signs of erosion on site.

3.4 POTENTIALLY POLLUTING MATERIALS

Exposed potentially polluting materials (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). Exposure to stormwater runoff commonly occurs due to a lack of cover and containment during loading/unloading and storage of PPMs.

The Motorpool Sergeant does maintain an inventory tracking system for PPMs at the OMS and MEP. The inventory is periodically updated and includes the location of the material and approximate quantity on hand. **The most recent inventory will be inserted into this plan (appendix 6.0c) by the Motorpool Sergeant when this plan is received.**

3.5 POTENTIAL SOURCES OF POLLUTANTS

An inventory of areas at Jesse F Niven Jr USARC where industrial activities could potentially pollute stormwater runoff was determined from existing facility plans, staff interviews, previous stormwater plans and field reconnaissance. Jesse F Niven Jr USARC is considered a conditionally exempt, small-quantity hazardous waste generator by NCDENR. All pollutant sources at the OMS motorpool are directly related to vehicle maintenance; 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. No significant vehicle fueling is conducted onsite. Maintenance of vehicles and equipment primarily occurs inside the OMS, within the service bay area.

The vehicle wash rack **(Site 9)** drains through a small inlet into an oil/water separator **(Site 10)** and the local sanitary sewer system (PHOTOS 4, 5). The wash rack is operational and is curbed and covered. There is no vehicle grease rack at the OMS. Units at the facility participate in the Army Oil Analysis Program, and regularly submit oil samples to the Army Oil Analysis Program Lab at Fort Bragg, North Carolina for analysis, thereby reducing annual levels of generated used oil.

3.6 SIGNIFICANT SPILLS AND LEAKS

According to facility personnel and records, there have been no reportable spills or leaks at Jesse F Niven Jr USARC in the past three years.

3.7 NON-STORMWATER DISCHARGES

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.

As part of the Jesse F Niven Jr USARC site assessment, four outfalls were located within the property on 05 May 2004. No NSWDs were noted during this test. A NSWD certification is provided in the Appendix (table 6.0a).

3.8 STORMWATER MONITORING DATA

There is no record of any stormwater quality data having been collected at this facility. Currently there are no immediate plans to collect stormwater quality data at Jesse F Niven Jr USARC. Sampling of stormwater, if required, should be conducted only at regulated outfalls as mandated by NCDENR. Any stormwater sampling and analysis must be performed by qualified individuals adhering to a specific quality assurance/quality control program. In USEPA-regulated states and most states with NPDES permitting authority, stormwater monitoring is currently not required for vehicle maintenance activities.

3.9 RISK SUMMARY

An initial assessment of areas at Jesse F Niven Jr USARC 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 should be updated as required. The following narratives summarize conditions observed during the May 2004 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.

ORGANIZATIONAL MAINTENANCE SHOP

Operator and extensive organizational vehicle maintenance is conducted in the vehicle work bays inside OMS (PHOTO 10). Various types of military equipment are serviced at the shop. Maintenance on vehicles and equipment is conducted weekdays and during drill weekends.

Most PPMs used for vehicle maintenance activities at the motorpool are located in the OMS building and nearby storage lockers. The Motorpool Sergeant maintains and posts an inventory of PPMs stored in these areas. There are no connections inside the OMS that connect to storm water conveyances. The OMS contains a pallet of old batteries (PHOTO 6) **(site 11)**.

Neat, orderly conditions, adequate work space were noted inside and outside the OMS. Regularly-updated MSDS sheets are located in the OMS bay **(site 1)**. The Motorpool Sergeant has received environmental training from the 81st RRC and will continue training as required.

Recommended BMPs include improving the environmental training of all maintenance-related personnel, and reorganizing the MSDS system for the shop. The Facility Manager and Motorpool Sergeant should coordinate on environmental issues and management at the motorpool. Both the Motorpool Sergeant and Facility Manager should attend/continue comprehensive environmental training in spill prevention and response, hazardous communication, and material management.

The OMS poses a low risk to surface waters of the State of North Carolina. There are no direct connections from the OMS shop to local stormwater conveyances. For the most part, motorpool personnel safely store and handle PPMs while in/around the shop.

MILITARY EQUIPMENT PARK

The Military Equipment Park (MEP) at Jesse F Niven Jr USARC is a large asphalt lot on the north corner of the property. The MEP contains the OMS building, a vehicle wash rack (PHOTO 4) **(site 9)**, hazmat storage building **(site 4)** (PHOTO 7), PPM storage building **(site 5)**, flammable storage cabinet **(site 6)**, abandoned heating oil AST (PHOTO 9) **(site 14)**, and a used oil tank AST **(site 7)** (PHOTO 8). There were exposed tires at the time of inspection (PHOTO 6) **(site 12)**. There were powered calcium hypochlorite containers **(site 15)** in the unit storage building (PHOTO 5) **(site 8)**.

The visual inspection program at the motorpool should be expanded to include regular inspections of field POL storage devices and exposed POL-related equipment.

The MEP poses a low risk to local surface waters.

VEHICLE WASH RACK

The vehicle washrack **(site 9)** is located southwest of the OMS; it is fully curbed and covered (PHOTO 4). Areas within the washrack drain through a single inlet and the oil/water separator **(site 10)** into the local sanitary sewer system recommended BMPs include implementing a regular servicing plan for the vehicle washrack and associated components (oil/water separator), and preparing a washrack SOP to insure proper operation.

TABLE 3.9 – RISK SUMMARY

SITE MAP CODE	LOCATION	REGULATED ACTIVITY	PPM	OUTFALL/ RECEIVING WATERS	EXPOSURE TYPE	RATING/ REASON
6	MEP	PPM storage, loading	Flammables	None	A	f
4	MEP	PPM storage, loading	HAZMAT	OF-2	A	g
7	MEP	PPM storage, loading	Used Oil	OF-2	A	g
11	MEP	PPM storage, loading	Calcium Hypochlorite	None	A	f
9	MEP	Vehicle Washing	POL Residue	None/ Sanitary	A	f
11	OMS	PPM storage, loading	Batteries	None	A	f
4	MEP	Parts Washing	Abandoned	None	A	f
14	MEP	Heating Oil	Abandoned	None	A	f
5	MEP	PPM storage, loading	PPM	OF-2	A	g
12	MEP	PPM storage, loading	Exposed Tires	OF-2	B	b, c

[1]EXPOSURE TYPE:

A No exposure to precipitation or stormwater runoff
B Direct exposure to precipitation due to lack of covering during storage
C Direct exposure to stormwater runoff due to lack of containment during storage
D Possible exposure to stormwater runoff due to spills/leaks during storage
E Direct exposure to precipitation and runoff due to spills/leaks during material transfer
F Direct exposure of drainage devices to storm runoff due to lack of cover
G Sediment buildup due to exposure of surrounding soils and poor erosion management
H Potential for stormwater to leak into conex or other storage structure
I Direct exposure of POL spills/leaks due to lack of drip pan use

[2]RATING/REASON KEY:

a Lack of preventive maintenance and visual inspection program
b Lack of containment, preventing exposure to stormwater runoff
c Lack of covering, preventing exposure to precipitation
d Lack of material inventory and/or updated MSDS
e Lack of spill kits, drip pans, sorbent, and/or other spill equipment
f Not a point-source discharge to surface waters of the State
g Potential for spills/leaks to exposed areas during material transfer
h Lack of adequate labeling for PPM containers
i No regulated activity or pollutant sources
j Element of area scheduled for removal
k Active PPM spill/leak area, or area with POL residue on or near the ground
l l Small amount of stored PPMs

4.0 BEST MANAGEMENT PRACTICES PLAN

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 Jesse F Niven Jr USAR Center. 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

Baseline BMPs are relatively simple inspection programs and contingency plans that are implemented at a facility. The Motorpool Sergeant will perform monthly stormwater inspections. The 81st RRC is responsible for updating the spill plan, ensuring motorpool personnel receive environmental training, and conducting compliance evaluations of the facility (if required). The following baseline programs are briefly discussed in this chapter and are included in the stormwater inspection checklist provided in Table 5.1b.

4.1.1 Good Housekeeping

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

4.1.2 Preventive Maintenance

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

The facility spill plan should be reviewed and revised by the 81st RRC for Jesse F Niven Jr OMS USAR Center. The Facility Manager has the responsibility to serve as emergency coordinator in the event of a spill. The Facility Manager (or alternate) has the responsibility to ensure the spill is immediately contained, proper spill reporting procedures are followed, and the 81st RRC is immediately informed.

4.1.4 Visual Inspections

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 Motorpool Sergeant will conduct a monthly visual inspection of the motorpool using the stormwater inspection checklist. The 81st RRC will perform compliance evaluations using the stormwater inspection checklist (if required)

4.1.5 Sediment and Erosion Control

The NCDENR stormwater regulations require identification of areas having a high potential for significant soil erosion and selection of measures (BMPs) to mitigate soil loss. For information on such areas, refer to section 3.9.

4.1.6 Environmental Training

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

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 involve coordination between the Facility Manager, Motorpool Sergeant, unit personnel, and 81st RRC staff. The Facility Manager has a responsibility to work with the Motorpool Sergeant and 81st RRC 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 for those BMPs selected.

Table 4.0 details the status of the BMPs program at the facility. Based on their need for 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 2005. 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	Implemented	Recommend Improvement	Implemented By	Implementation Date
Keep work areas and outside areas clean, free of easily spilled materials, and free of sediment and loose soil	GH/SEC				
Ensure that facility maintenance and PPM storage buildings are in good condition	PM				
Perform maintenance, washing, fueling, and painting at authorized areas	GH				
Clean spilled materials with dry sweep or rags, not with water	SPR				
Enforce proper handling, storage, disposal, and labeling of new and used PPMs	GH/SPR				
Maintain updated MSDSs	GH				
Post good housekeeping visual aids at the motorpool	GH				
Formally train military and civilian maintenance personnel in good housekeeping practices	GH/TG				
Provide technical inspection for all incoming and parked vehicles and equipment with particular emphasis on	PM				
Ensure that the oil/water separator is properly operated and maintained	PM				
Regularly service stormwater drainage conveyances	PM/SE				
Ensure that an updated spill plan, emergency coordinator, and spill equipment are available at the facility	SPR				
During off- duty hours, in the event of a significant spill or leak, the designated spill coordinator should refer to	SPR				
Provide formal training in emergency spill response to all civilian and unit maintenance personnel	SPR/TG				
Ensure that outdoor storage structures provide secondary containment, and prevent contact between PPMs and	SPR				
Conduct a monthly visual inspection of the motorpool using the stormwater inspection checklist. Sign, date, and	VI				
Identify conditions that could cause stormwater pollution and report potential problems to the 81st RRC	VI				
Perform stormwater compliance evaluations (if required)	VI				
Regularly service vehicle washrack and oil/water separator	ABMP				
Initiate and follow through with contract to remove all old, discarded, and surplus PPMs from the facility	ABMP				

BMP Type

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

5.0 IMPLEMENTATION

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 stormwater inspections and compliance evaluations (if required). 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 STORMWATER 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 Motorpool Sergeant. 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 RRC.		
Monthly inspection checklists will be reviewed, signed and dated by the Facility Manager, and filed by the Motorpool Sergeant for future reference by compliance inspectors.		
Periodic stormwater inspection reviews will be performed by the 81st RRC. Recommended corrective actions and employee training needs should be discussed.		
The Facility Manager should discuss equipment, construction, and training needs with the Motorpool Sergeant, senior officers, and the 81st RRC. 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 stormwater management program compliance evaluation and stormwater plan review will be conducted by 81st RRC personnel (if required).		

5.1 STORMWATER LOG SHEET AND INSPECTION CHECKLIST

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 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 RRC, State or Federal inspectors.

Table 5.1a--Stormwater log sheet

DATE	INITIALS	NARRATIVE

Table 5.lb--Stormwater Inspection Checklist.

UNIT NAME:		BUILDING NAME:	DATE:
PROBLEMS NOTED:			
INSPECTORS NAME:		SIGNATURE:	
YES	NO	IN5PECTION ITEM	
		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:			

5.2 COMPLIANCE EVALUATIONS

The SWP3 should be updated as needed. The 81st RRC will be charged with conducting compliance evaluations and updating the plan (if required). Major tasks include (i) reviewing updated site information (including stormwater log sheets and inspection forms); (ii) re-inspecting 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—Compliance schedule.

COMPLIANCE ELEMENT	CONDUCTED BY	START DATE	COMPLETION DATE
Review monthly stormwater inspection checklists completed by the Motorpool Sergeant			
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 NCDENR for information)			
Complete report of compliance findings and sampling results, and file			

6.0 APPENDIX

Table 6.0a--Non-stormwater discharge certification.

NON-STORMWATER DISCHARGE ASSESSMENT AND CERTIFICATION	COMPLETED BY: AGENCY: DATE:	M.A.Moltzen / EEG, Inc. / 5/26/04				
DATE OF TEST OR EVALUATION	**OUTFALL DIRECTLY OBSERVED DURING THE TEST**	**METHOD USED TO TEST OR EVALUATE DISCHARGE**	**DESCRIBE RESULTS FROM TEST FOR THE PRESENCE OF NON STORMWATER DISCHARGE**	**IDENTIFY POTENTIAL SIGNIFICANT SOURCES**	**AGENCY CONDUCTING TEST OR EVALUATION**	**RECOMMENDED ACTION**
5/04/04	OF-1	Visual	NO NSWD	NA	EEG Inc	NA
5/04/04	OF-2	Visual	NO NSWD	NA	EEG Inc	NA
5/04/04	OF-3	Visual	NO NSWD	NA	EEG Inc	NA
5/04/04	OF-4	Visual	NO NSWD	NA	EEG Inc.	NA

I certify that periodic NSWD inspections will be performed at Jesse F Niven Jr OMS USAR Center 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**

Table 6.0b Photo Log

Photo 1

Photo 2

Photo 3

Photo 4

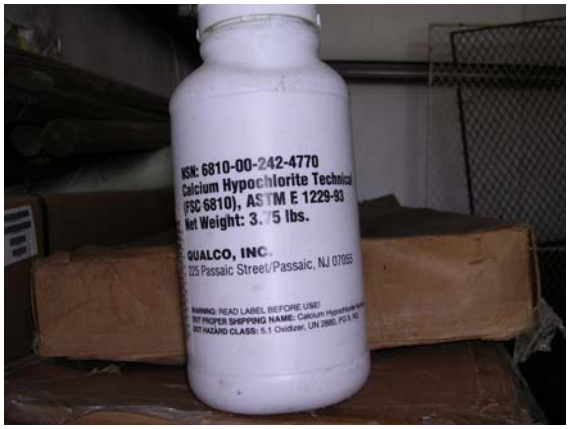


Photo 5

Photo 6

Photo 7

Photo 8

Photo 9

Photo 10

Table 6.0c PPM Inventory

Insert Most Current Inventory Here

LEAD-BASED PAINT SURVEY REPORT

United States Army Reserve Center
E Main Street
Albemarle, North Carolina (NC001)

Prepared for:

U. S. Army Reserve Center
81st Regional Support Command
Birmingham, Alabama

EEG, INC
Environmental & Construction Services

Prepared by:

Environmental Enterprise Group, Inc.
1345 Barracks Rd
North Charleston, SC 29405-2106

MARCH 2004

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Information provided in this document is provided 'as is' without warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose and freedom from infringement. The user assumes the entire risk as to the accuracy and the use of this document.

This survey is of readily accessible areas of the building and is limited to visual observations and XRF analysis of apparent conditions/components tested and existing at the time of the survey only. Latent and concealed defects and deficiencies are excluded from the survey; equipment items and systems were not dismantled. EEG assumes no responsibility or obligation to update these findings.

Maintenance and other items may be discussed, but they are not a part of this survey. The report is not a compliance survey or certification for past or present governmental codes or regulation of any kind, unless specifically stated for that purpose. The survey and report only address the presence of or danger from the potentially harmful substance of lead in paint. The survey and report do not address the presence of or danger from other potentially harmful substances and environmental hazards including but not limited to radon, asbestos, urea formaldehyde, toxic or flammable chemicals, and water and airborne hazards. Also excluded are surveys of and report on wells, septic systems, security systems, central vacuum systems, sprinkler systems, fire and safety equipment and the presence of rodents, termites, and other insects.

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1. All text must be copied without modification and all pages must be included.

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TABLE OF CONTENTS

ACRONYM LIST

CFR	Code of Federal Regulations
CLR	Color
CND	Condition
DI	Depth Index
EEG	Environmental Enterprise Group
EPA	U. S. Environmental Protection Agency
FEAT	Feature
HUD	U. S. Department of Housing and Urban Development
LBP	Lead-Based Paint
mg/cm^2	milligrams of lead per square centimeter
PPM	Parts Per Million
RES	Result
SSEC	Source Seconds
STRC	Structure
SUB	Substrate
$\mu g/ft^2$	micrograms of lead per square foot
µg/g	micrograms of lead per gram
XRF	X-Ray Fluorescence

EXECUTIVE SUMMARY

The United States Army Reserve, 81st Regional Support Command, retained the Environmental Enterprise Group, Inc (EEG) to perform a modified lead-based paint (LBP) survey of the United States Army Reserve Center (USARC) located in Albemarle, North Carolina.

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. 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. 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.

113 LBP readings and calibration checks were taken using the XRF analyzer. The components that contained consistently detectable amounts of lead were interior and exterior doors and casings, door and window lintels, electrical panels, crown molding, porch components, and structural steel components. The results are included as Appendix A, XRF Field Data Results.

1.0 INTRODUCTION

The United States Army Reserve, 81st Regional Support Command, retained the Environmental Enterprise Group, Inc (EEG) to perform a modified lead-based paint (LBP) survey of the United States Army Reserve Center (USARC) located in Albemarle, North Carolina. Building 1, the Main Reserve Center, is a 11,568 square foot single story concrete block brick veneer building constructed in 1959. Building 2, Maintenance Shop, is 1,296 square foot concrete block brick veneer building with 2 vehicle bays, also constructed in 1959. Building 3 is a prefabricated anodized metal storage structure. Building 4 is a 156 square foot concrete brick veneer hazardous storage shed constructed in 1980.

2.0 LEAD-BASED PAINT TESTING PROCEDURES

The facility was inventoried and room equivalents identified. Each room equivalent was further classified into components. The component substrate was then identified. All of these elements make up a testing combination. The following paragraphs describe the wall, room, and component description and designation:

Definition of Room Equivalent:

A room equivalent is an identifiable part of a building, such as a room, an exterior side, or an exterior area. Hallways, stairways, and exterior areas, such as loading docks, parking lots, and each side of a building, are all examples of room equivalents.

Delineation of Room Equivalent:

Each room equivalent is made up of *components*. Components may be located inside or outside a building. For example, components in a room are the ceiling, floor, walls, a door and its casing, the window sash, and window casings. The *substrate* is the material underneath the paint. Many substrates exist, however, the industry standards recommend classifying substrates into one of six substrate types: brick, concrete, drywall, metal, plaster, and wood. These substrate types are intended to include a broad range of materials. If the true substrate is not one of the six types, the

substrate that most closely matches the true substrate is selected. For substrates on top of substrates, such as plaster on concrete, the substrate directly beneath the painted surface is used. The room equivalent, component, and substrate characterize a *testing combination*. In some cases, visible color of paint may also be used to further define unique testing combinations. The *test location* is a specific area on a testing combination where the XRF instrument tests for LBP.

Exterior Structure Designations:

The exterior sides of the building are lettered, starting with the letter A. The A side of the building is the main entry side of the building. Starting on the A side, the remaining sides are lettered consecutively (B, C, D) going clockwise around the building (assuming you are viewing the building from above).

Interior Designations, Room Names, Room Sides, and Component Identification:

Unique rooms (such as halls) in the facility are named on the inspection report. If there is more than one of a certain type of named room, they are numbered. (For example, if there are three halls, they are labeled “Hall 1," “Hall 2," etc.). Other rooms, which cannot be uniquely named because the use may change, are numbered. Certain building components that are adjacent to each other and not likely to have a different painting history are grouped together in a single testing combination. Every room in the building has each of its sides lettered in accordance with the building’s exterior lettering.

Sampling Strategies:

The sampling strategy adheres to the EPA Performance Characteristic Sheet for the particular XRF instrument used, as well as the manufacturer’s modifications and recommendations. The XRF used for detection of LBP in these buildings was the NITON XL700 Spectrum Analyzer Lead Detector, manufactured by NITON Corporation, 74 Loomis Street, Bedford, Massachusetts 01730-0368.

Evaluation of the Quality of Inspection:

Evaluation methods include direct observation of the XRF testing, calibration checks prior to testing, periodically throughout the day, at the end of the day, and repeat testing of painted surfaces.

Repeat testing entails randomly selecting and testing (in a different spot) a number of testing combinations from previously tested areas. Usually, the XRF instrument used in the original inspection is used for retesting. The repeat results are compared with the previous results of the same testing combinations. Results should not differ from the original readings by more than the Retest Tolerance Limit, as specified in the XRF Performance Characteristic Sheet. If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, the procedure should be repeated with new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection is considered deficient and should be re-accomplished. Appendix C includes the Quality Evaluation Results and the formula for obtaining the Retest Tolerance Limit.

3.0 IDENTIFICATION OF LEAD-BASED PAINT

Summary of Lead-Based Paint Identified in Facility:

A total 113 XRF samples and calibrations were taken throughout the building. The components that contained significant detectable amounts of lead were:

Buildings 1 and 2 - interior and exterior doors and casings, door and window lintels, electrical panels, crown molding, porch components, and structural steel components.

OSHA Lead in Construction Standard (29 CFR 1926.62) defines lead based paint as any detectable amount and guidelines must be followed prior to disturbing these surfaces. Appendix A contains the room-by-room results of the paint sampling conducted in the facility. Appendix B shows the floor plans.

Depth Index

The Depth Index (DI) is an indication of the amount of non-leaded paint covering the lead detected by the XRF. A DI less than 1.5 indicates lead near the surface layer of paint; between 1.5 and 4 indicates moderately covered lead; and greater than 4 indicates deeply buried lead.

APPENDIX A

Lead In Paint
XRF Field Data Sheets

The positive (POS) and negative (NEG) results reported on the following data sheets are based on the EPA/HUD Guidelines that specify a positive determination of lead when the lead content is greater than or equal to 1.0 mg/cm^2 using an XRF analyzer.

USARC - Albemarle, North Carolina
Serial #XL700-U869NR4313 Site: Date: 1/29/2004

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
1	**1760**				**Calibrate**					**16.2**	**1/29/2004 12:33:44**	**1.0**	**POS**	**1.06 ± 0.17**
2	**1761**				**Calibrate**					**20.6**	**1/29/2004 12:34:19**	**1.0**	**POS**	**1.12 ± 0.17**
3	1762				Calibrate					11.9	1/29/2004 12:35:03	1.0	NEG	0.94 ± 0.10
4	**1763**				**Calibrate**					**14.0**	**1/29/2004 12:35:40**	**1.1**	**POS**	**1.22 ± 0.22**
5	1764	Bldg 1		D	Hall 100	Wall	Concrte		Beige	22.1	1/29/2004 12:43:23	1.3	NEG	0.01 ± 0.06
6	**1765**	**Bldg 1**		**A**	**Hall 100**	**Door**	**Metal**	**Casing**	**Beige**	**22.0**	**1/29/2004 12:44:19**	**5.1**	**POS**	**1.30 ± 0.51**
7	1766	Bldg 1		A	Hall 100	Door	Metal	Door	Brown	3.1	1/29/2004 12:45:11	1.0	NEG	0.01 ± 0.20
8	1767	Bldg 1		A	Hall 100	Ceiling	Drywall		White	10.3	1/29/2004 12:46:04	5.0	NEG	0.09 ± 0.27
9	1768	Bldg 1		A	Hall 100	Door	Wood	Crown mold	White	15.0	1/29/2004 12:46:36	8.2	INCOM	0.12 ± 0.17
10	1769	Bldg 1		A	Hall 100	Door	Wood	Crown mold	White	3.3	1/29/2004 12:47:07	8.0	NEG	0.15 ± 0.31
11	1770	Bldg 1		B	Room 100	Wall	Concrte		Beige	15.0	1/29/2004 12:48:14	2.4	NEG	-0.30 ± 0.78
12	1771	Bldg 1		A	Room 100	Wall	Drywall		Beige	5.6	1/29/2004 12:48:54	1.0	NEG	0.00 ± 0.10
13	**1772**	**Bldg 1**		**B**	**Room 100**	**Door**	**Metal**	**Casing**	**Beige**	**19.5**	**1/29/2004 12:49:46**	**2.9**	**POS**	**1.55 ± 0.41**
14	**1773**	**Bldg 1**		**B**	**Room 100**	**Door**	**Wood**	**Door**	**Beige**	**19.2**	**1/29/2004 12:50:52**	**2.8**	**POS**	**1.54 ± 0.40**
15	1774	Bldg 1		C	Room 103	Wall	Concrte		Beige	12.6	1/29/2004 12:53:31	2.3	NEG	-0.38 ± 1.00
16	1775	Bldg 1		C	Room 103	Window	Metal	Radiator	Beige	3.3	1/29/2004 12:54:41	1.0	NEG	0.00 ± 0.01
17	**1776**	**Bldg 1**		**D**	**Room 103**	**Wall**	**Wood**	**Chlk bd**	**Beige**	**21.3**	**1/29/2004 12:55:23**	**2.4**	**POS**	**1.31 ± 0.31**
18	**1777**	**Bldg 1**		**A**	**Room 103**	**Door**	**Wood**	**Door**	**Beige**	**14.6**	**1/29/2004 12:56:37**	**2.4**	**POS**	**1.56 ± 0.43**
19	**1778**	**Bldg 1**		**A**	**Room 103**	**Door**	**Wood**	**Casing**	**Beige**	**21.9**	**1/29/2004 12:57:15**	**2.5**	**POS**	**1.24 ± 0.30**
20	1779	Bldg 1		A	Room 103	Ceiling	Drywall		White	3.3	1/29/2004 12:59:17	6.8	NEG	0.12 ± 0.32
21	1780	Bldg 1		A	Room 103	Ceiling	Drywall		White	8.0	1/29/2004 12:59:33	1.2	NEG	0.02 ± 0.14
22	1781	Bldg 1		C	Room 104	Wall	Concrte		Beige	12.7	1/29/2004 13:01:20	2.6	NEG	-0.40 ± 0.85
23	**1782**	**Bldg 1**		**C**	**Room 104**	**Door**	**Wood**	**Door**	**Beige**	**12.4**	**1/29/2004 13:01:54**	**3.9**	**POS**	**1.96 ± 0.75**
24	**1783**	**Bldg 1**		**C**	**Room 104**	**Door**	**Metal**	**Casing**	**Beige**	**21.9**	**1/29/2004 13:02:24**	**3.3**	**POS**	**1.26 ± 0.37**
25	1784	Bldg 1		A	Room 109	Wall	Concrte		Beige	10.3	1/29/2004 13:04:58	8.2	NEG	0.18 ± 0.24
26	1785	Bldg 1		A	Room 109	Window	Metal	Stops	Beige	3.2	1/29/2004 13:05:27	1.0	NEG	0.00 ± 0.02
27	1786	Bldg 1		B	Room 109	Wall	Drywall		Beige	10.3	1/29/2004 13:05:51	1.7	NEG	-0.15 ± 0.69
28	1787	Bldg 1		B	Room 109	Door	Wood	Casing	Beige	7.8	1/29/2004 13:06:18	2.4	NEG	0.29 ± 0.29
29	1788	Bldg 1		B	Room 109	Door	Wood	Door	Beige	5.6	1/29/2004 13:06:43	1.4	NEG	0.31 ± 0.24
30	1789	Bldg 1		B	Room 109	Ceiling	Drywall		Beige	8.0	1/29/2004 13:07:35	1.4	NEG	0.02 ± 0.17
31	1790	Bldg 1		B	Room 109	Door	Wood	Crown mold	Beige	5.6	1/29/2004 13:08:02	5.1	NEG	0.08 ± 0.29
32	1791	Bldg 1		B	Room 110	Wall	Concrte		Beige	10.3	1/29/2004 13:10:47	3.6	NEG	0.02 ± 0.13

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
33	**1792**	**Bldg 1**		**A**	**Hall 101**	**Door**	**Metal**	**Door**	**Beige**	**21.6**	**1/29/2004 13:12:43**	**2.9**	**POS**	**1.31 ± 0.35**
34	**1793**	**Bldg 1**		**A**	**Hall 101**	**Door**	**Metal**	**Casing**	**Beige**	**21.9**	**1/29/2004 13:13:32**	**2.8**	**POS**	**1.19 ± 0.32**
35	1794	Bldg 1		C	Hall 101	Wall	Concrte		Beige	12.7	1/29/2004 13:15:30	1.4	NEG	-0.42 ± 0.78
36	1795	Bldg 1		C	E-002	Door	Metal	Door	Brown	4.9	1/29/2004 13:16:13	3.0	NEG	0.03 ± 0.09
37	**1796**	**Bldg 1**		**B**	**E-002**	**Door**	**Metal**	**Casing**	**Beige**	**3.2**	**1/29/2004 13:16:34**	**3.7**	**POS**	**5.10 ± 2.02**
38	1797	Bldg 1		B	E-002	Ceiling	Drywall		White	3.3	1/29/2004 13:17:13	1.0	NEG	0.00 ± 0.19
39	1798	Bldg 1		B	E-002	Door	Wood	Crown mold	White	3.3	1/29/2004 13:17:35	1.0	NEG	0.01 ± 0.22
40	1799	Bldg 1		B	Outside	Door	Metal	Door	Brown	4.8	1/29/2004 13:18:10	1.0	NEG	0.01 ± 0.07
41	**1800**	**Bldg 1**		**B**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**7.7**	**1/29/2004 13:18:32**	**2.4**	**POS**	**3.44 ± 1.07**
42	**1801**	**Bldg 1**		**B**	**Outside**	**Door**	**Metal**	**Lintel**	**Brown**	**3.0**	**1/29/2004 13:18:54**	**3.2**	**POS**	**20.83 ± 5.28**
43	1802	Bldg 1		A	Room 115	Wall	Concrte		Beige	22.0	1/29/2004 13:20:46	2.5	NEG	0.19 ± 0.13
44	1803	Bldg 1		A	Room 115	Wall	Metal	Elec Panel	Beige	5.6	1/29/2004 13:21:44	2.1	NEG	0.27 ± 0.31
45	**1804**	**Bldg 1**		**A**	**Room 115**	**Wall**	**Metal**	**Ladder**	**Beige**	**3.1**	**1/29/2004 13:22:07**	**5.5**	**POS**	**12.40 ± 4.55**
46	**1805**	**Bldg 1**		**A**	**Room 115**	**Ceiling**	**Metal**	**Angle**	**Beige**	**3.2**	**1/29/2004 13:22:30**	**6.9**	**POS**	**15.50 ± 4.92**
47	1806	Bldg 1		A	Room 115	Ceiling	Wood	Crown mold	Beige	10.1	1/29/2004 13:23:23	2.4	NEG	0.33 ± 0.26
48	1807	Bldg 1		A	Room 115	Ceiling	Drywall		Beige	10.3	1/29/2004 13:23:51	2.0	NEG	0.20 ± 0.18
49	1808	Bldg 1		C	Room 112	Wall	Drywall		White	3.3	1/29/2004 13:27:03	1.0	NEG	0.00 ± 0.07
50	**1809**	**Bldg 1**		**D**	**Room 112**	**Door**	**Metal**	**Casing**	**White**	**21.8**	**1/29/2004 13:27:25**	**2.8**	**POS**	**1.49 ± 0.36**
51	**1810**	**Bldg 1**		**D**	**Room 112**	**Door**	**Wood**	**Door**	**White**	**12.3**	**1/29/2004 13:28:14**	**2.1**	**POS**	**1.65 ± 0.45**
52	1811	Bldg 1		D	Room 117	Door	Metal	Casing	Beige	8.0	1/29/2004 13:30:40	2.1	NEG	0.35 ± 0.26
53	**1812**	**Bldg 1**		**D**	**Room 117**	**Door**	**Wood**	**Door**	**Beige**	**10.1**	**1/29/2004 13:31:05**	**2.7**	**POS**	**1.00 ± 0.45**
54	1813	Bldg 1		B	Room 117	Wall	Concrte		Beige	19.7	1/29/2004 13:31:46	1.9	NEG	0.03 ± 0.65
55	1814	Bldg 1		B	Room 117	Ceiling	Drywall		Beige	17.4	1/29/2004 13:32:47	2.1	NEG	0.12 ± 0.69
56	1815	Bldg 1		B	Room 116	Wall	Wood	Crown mold	Beige	10.2	1/29/2004 13:33:33	3.0	NEG	0.84 ± 0.44
57	1816	Bldg 1		B	Room 118	Wall	Concrte		Beige	10.3	1/29/2004 13:35:45	3.9	NEG	0.11 ± 0.38
58	1817	Bldg 1		B	Room 118	Wall	Wood		Beige	3.2	1/29/2004 13:36:15	7.0	NEG	0.13 ± 0.33
59	1818	Bldg 1		D	Room 118	Door	Metal	Casing	Brown	3.1	1/29/2004 13:37:02	1.0	NEG	0.00 ± 0.13
60	1819	Bldg 1		D	Room 118	Door	Metal	Door	Brown	4.8	1/29/2004 13:37:28	1.0	NEG	0.00 ± 0.01
61	**1820**	**Bldg 1**		**D**	**Room 118**	**Door**	**Metal**	**Casing**	**Beige**	**10.2**	**1/29/2004 13:37:50**	**5.5**	**POS**	**4.39 ± 1.45**
62	1821	Bldg 1		C	Room 118	Door	Metal	Elec Panel	Beige	22.0	1/29/2004 13:38:26	4.9	NEG	0.66 ± 0.37
63	1822	Bldg 1		C	Room 118	Wall	Concrte		Beige	15.1	1/29/2004 13:40:38	1.3	NEG	-0.08 ± 0.75
64	**1823**	**Bldg 1**		**D**	**Outside**	**Door**	**Metal**	**Lintel**	**Brown**	**3.2**	**1/29/2004 13:42:41**	**6.6**	**POS**	**26.55 ± 6.00**
65	1824	Bldg 1		D	Outside	Door	Metal	Casing	Brown	3.1	1/29/2004 13:43:04	2.0	INCOM	4.16 ± 1.94
66	**1825**	**Bldg 1**		**D**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**5.3**	**1/29/2004 13:43:20**	**1.7**	**POS**	**3.31 ± 1.00**

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
67	1826	Bldg 1		D	Outside	Door	Metal	Door	Brown	3.2	1/29/2004 13:43:42	1.0	NEG	0.00 ± 0.01
68	**1827**	**Bldg 1**		**D**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**3.0**	**1/29/2004 13:45:33**	**2.0**	**POS**	**5.10 ± 1.70**
69	1828	Bldg 1		D	Outside	Door	Metal	Door	Brown	3.3	1/29/2004 13:45:44	7.4	NEG	0.14 ± 0.30
70	**1829**	**Bldg 1**		**C**	**Outside**	**Window**	**Metal**	**Lintel**	**Brown**	**2.9**	**1/29/2004 13:47:20**	**2.4**	**POS**	**16.68 ± 7.08**
71	**1830**	**Bldg 1**		**C**	**Outside**	**Window**	**Metal**	**Lintel**	**Brown**	**3.0**	**1/29/2004 13:48:12**	**2.9**	**POS**	**18.42 ± 5.00**
72	1831	Bldg 1		D	Porch	Porch	Wood	Ceiling	Brown	3.2	1/29/2004 13:49:29	1.0	NEG	0.15 ± 0.08
73	1832	Bldg 1		D	Porch	Porch	Wood	Eave	Brown	3.2	1/29/2004 13:49:41	1.1	NEG	0.26 ± 0.27
74	**1833**	**Bldg 1**		**D**	**Porch**	**Porch**	**Metal**	**Trim Upr**	**Brown**	**3.0**	**1/29/2004 13:49:59**	**3.4**	**POS**	**14.02 ± 4.25**
75	**1834**	**Bldg 1**		**D**	**Porch**	**Porch**	**Metal**	**Columns**	**Brown**	**7.7**	**1/29/2004 13:50:18**	**2.9**	**POS**	**4.33 ± 1.63**
76	1835	Bldg 2		D	Room 101	Wall	Wood		Beige	3.2	1/29/2004 13:55:26	1.0	NEG	0.00 ± 0.14
77	1836	Bldg 2		D	Room 101	Door	Wood	Door	Beige	3.2	1/29/2004 13:55:46	1.0	NEG	0.00 ± 0.16
78	1837	Bldg 2		D	Room 101	Door	Wood	Casing	Beige	3.2	1/29/2004 13:56:06	1.0	NEG	0.01 ± 0.23
79	1838	Bldg 2		D	Room 101	Ceiling	Wood		Beige	3.2	1/29/2004 13:56:25	1.0	NEG	0.00 ± 0.05
80	1839	Bldg 2		D	Room 100	Ceiling	Wood		Beige	22.1	1/29/2004 13:57:20	3.2	NEG	0.34 ± 0.20
81	**1840**	**Bldg 2**		**D**	**Room 100**	**Wall**	**Metal**	**Column**	**Yellow**	**3.0**	**1/29/2004 13:58:31**	**2.5**	**POS**	**15.07 ± 4.62**
82	**1841**	**Bldg 2**		**D**	**Room 100**	**Ceiling**	**Metal**		**White**	**3.0**	**1/29/2004 13:58:50**	**2.5**	**POS**	**22.82 ± 8.44**
83	**1842**	**Bldg 2**		**A**	**Room 100**	**Door**	**Metal**	**Ovrhd Door**	**Brown**	**7.0**	**1/29/2004 13:59:48**	**1.5**	**POS**	**2.63 ± 0.67**
84	1843	Bldg 2		A	Room 100	Door	Metal	Casing	White	8.0	1/29/2004 14:00:18	1.9	NEG	0.42 ± 0.27
85	1844	Bldg 2		A	Room 100	Door	Metal	Casing	White	5.6	1/29/2004 14:01:21	1.5	NEG	0.29 ± 0.24
86	1845	Bldg 2		D	Room 100	Wall	Concrte		Beige	22.0	1/29/2004 14:02:05	3.0	NEG	0.51 ± 0.22
87	1846	Bldg 2		D	Room 100	Wall	Concrte		Beige	10.3	1/29/2004 14:03:12	1.0	NEG	-0.12 ± 0.48
88	1847	Bldg 2		D	Room 100	Door	Metal	Door	Beige	3.3	1/29/2004 14:04:29	1.0	NEG	0.00 ± 0.06
89	1848	Bldg 2		D	Room 100	Door	Metal	Casing	Beige	3.3	1/29/2004 14:04:42	1.0	NEG	0.01 ± 0.17
90	1849	Bldg 2		B	Room 102	Wall	Drywall		Beige	10.3	1/29/2004 14:06:48	5.5	NEG	0.03 ± 0.11
91	1850	Bldg 2		C	Room 102	Door	Metal	Casing	Beige	3.2	1/29/2004 14:07:22	1.0	NEG	0.00 ± 0.13
92	1851	Bldg 2		A	Room 102	Wall	Drywall		Beige	8.0	1/29/2004 14:07:45	1.0	NEG	0.00 ± 0.05
93	1852	Bldg 2		A	Room 102	Door	Metal	Casing	Beige	3.2	1/29/2004 14:08:15	1.0	NEG	0.01 ± 0.14
94	1853	Bldg 2		A	Room 102	Door	Metal	Casing	Beige	3.1	1/29/2004 14:08:28	1.0	NEG	0.01 ± 0.21
95	1854	Bldg 2		A	Porch	Porch	Wood	Ceiling	Beige	7.9	1/29/2004 14:10:25	1.0	NEG	0.00 ± 0.08
96	1855	Bldg 2		A	Porch	Porch	Wood	Columns	Beige	3.1	1/29/2004 14:10:52	1.0	NEG	0.02 ± 0.03
97	**1856**	**Bldg 2**		**A**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**2.9**	**1/29/2004 14:12:00**	**2.4**	**POS**	**37.43 ± 11.96**
98	**1857**	**Bldg 2**		**A**	**Outside**	**Door**	**Metal**	**Casing**	**Yellow**	**2.9**	**1/29/2004 14:12:21**	**1.9**	**POS**	**22.04 ± 8.53**
99	1858	Bldg 4		C	Outside	Door	Metal	Door	Brown	3.1	1/29/2004 14:13:41	1.0	NEG	0.00 ± 0.02
100	1859	Bldg 4		C	Outside	Door	Metal	Casing	Brown	3.1	1/29/2004 14:13:56	1.8	NEG	0.02 ± 0.26

No	XLNo	Site	Flr	Side	Room	Source	Sub	Feat	Clr	Ssec	Date/Time	DI	Result	Pbc ± Prec
101	1860	Bldg 4		C	Outside	Door	Metal	Casing	Brown	3.2	1/29/2004 14:15:12	2.9	NEG	0.04 ± 0.29
102	1861	Bldg 2		C	Outside	Wall	Metal	I-Beam	Brown	5.1	1/29/2004 14:18:10	1.0	NEG	0.00 ± 0.14
103	1862	Bldg 2		C	Outside	Door	Metal	Door	Brown	5.1	1/29/2004 14:18:54	3.3	NEG	0.03 ± 0.09
104	1863	Bldg 2		C	Outside	Door	Metal	Door	Brown	5.1	1/29/2004 14:19:26	2.5	NEG	0.02 ± 0.06
105	1864	Bldg 1		A	Outside	Door	Metal	Door	Brown	3.1	1/29/2004 14:26:19	1.0	NEG	0.00 ± 0.02
106	**1865**	**Bldg 1**		**A**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**3.1**	**1/29/2004 14:26:48**	**2.0**	**POS**	**5.10 ± 1.63**
107	**1866**	**Bldg 1**		**A**	**Outside**	**Door**	**Metal**	**Casing**	**Brown**	**3.1**	**1/29/2004 14:27:04**	**2.9**	**POS**	**9.22 ± 3.86**
108	**1867**	**Bldg 1**		**A**	**Outside**	**Window**	**Metal**	**Lintel**	**Brown**	**3.0**	**1/29/2004 14:27:58**	**2.4**	**POS**	**18.51 ± 7.37**
109	**1868**	**Bldg 1**		**A**	**Outside**	**Window**	**Metal**	**Lintel**	**Brown**	**3.0**	**1/29/2004 14:28:22**	**3.9**	**POS**	**21.72 ± 9.16**
110	1869									3.1	1/29/2004 14:29:22	1.0	NEG	0.49 ± 0.13
111	**1870**				**Calibrate**					**14.1**	**1/29/2004 14:29:35**	**1.0**	**POS**	**1.08 ± 0.15**
112	**1871**				**Calibrate**					**5.3**	**1/29/2004 14:30:06**	**1.0**	**POS**	**1.02 ± 0.15**
113	**1872**				**Calibrate**					**18.5**	**1/29/2004 14:30:20**	**1.0**	**POS**	**1.08 ± 0.09**

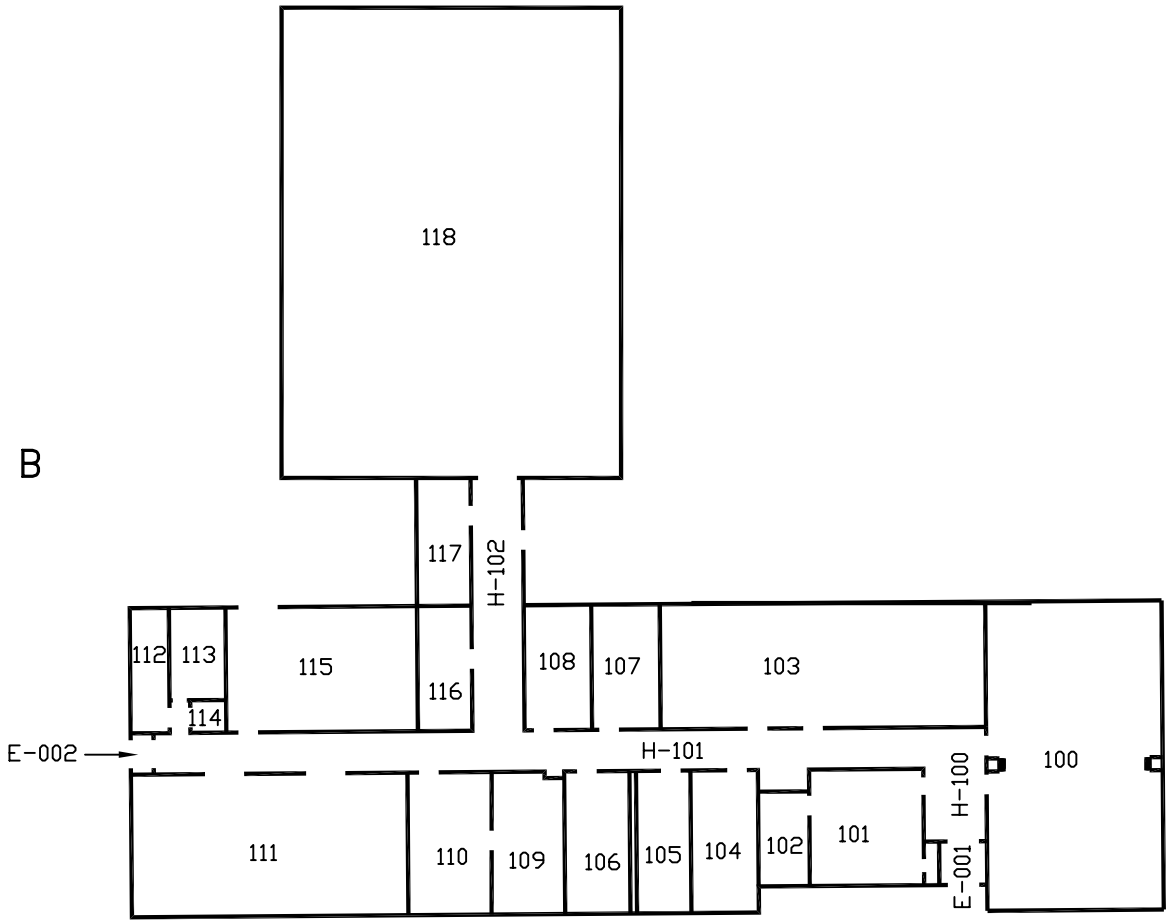
APPENDIX B

Facility Floor Plans and Photographs

C

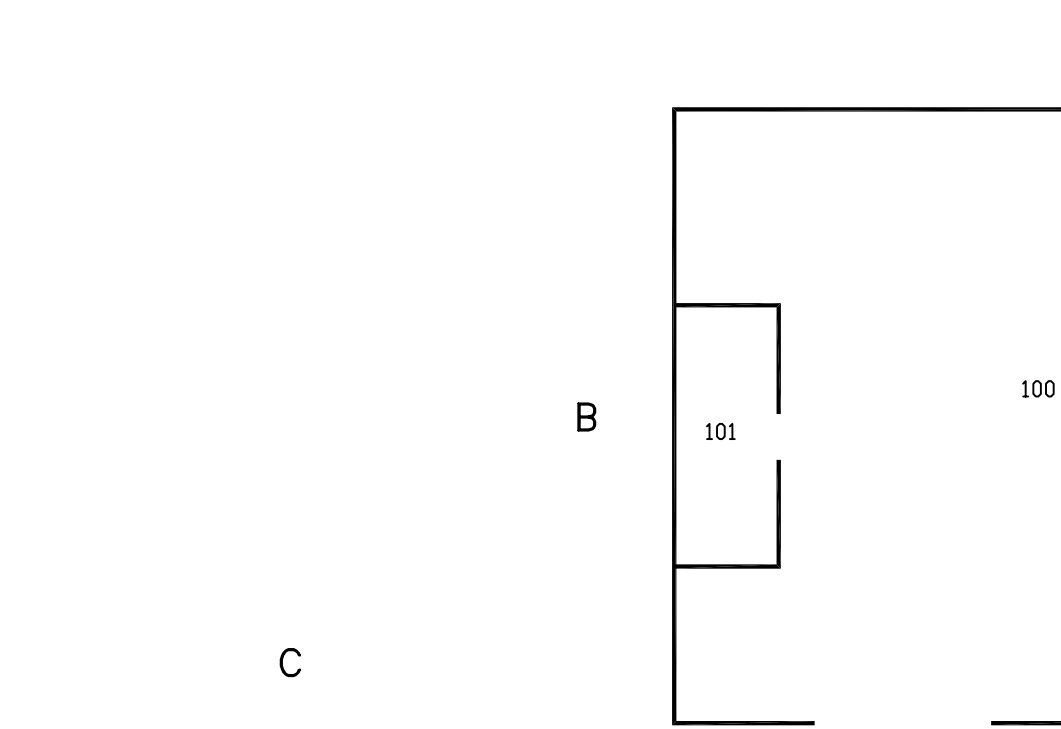
B

D

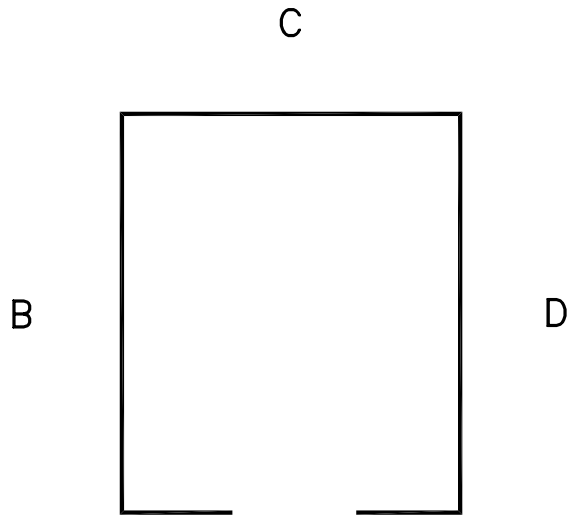


A

ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 BARRACKS ROAD NORTH CHARLESTON, SOUTH CAROLINA 29405			
FLOOR PLAN BUILDING 1 ALBERMARLE ARC (NC001), ALBERMALE, NC			
DATE 03-24-04	PREPARED BY: T. LEWIS	DRAWN BY: J.I. BROWNLEE	REV –
SCALE NONE	DWG NUMBER ALBERMARLE_NC_ARC_BLDG 1	SHEET 1 OF 1	

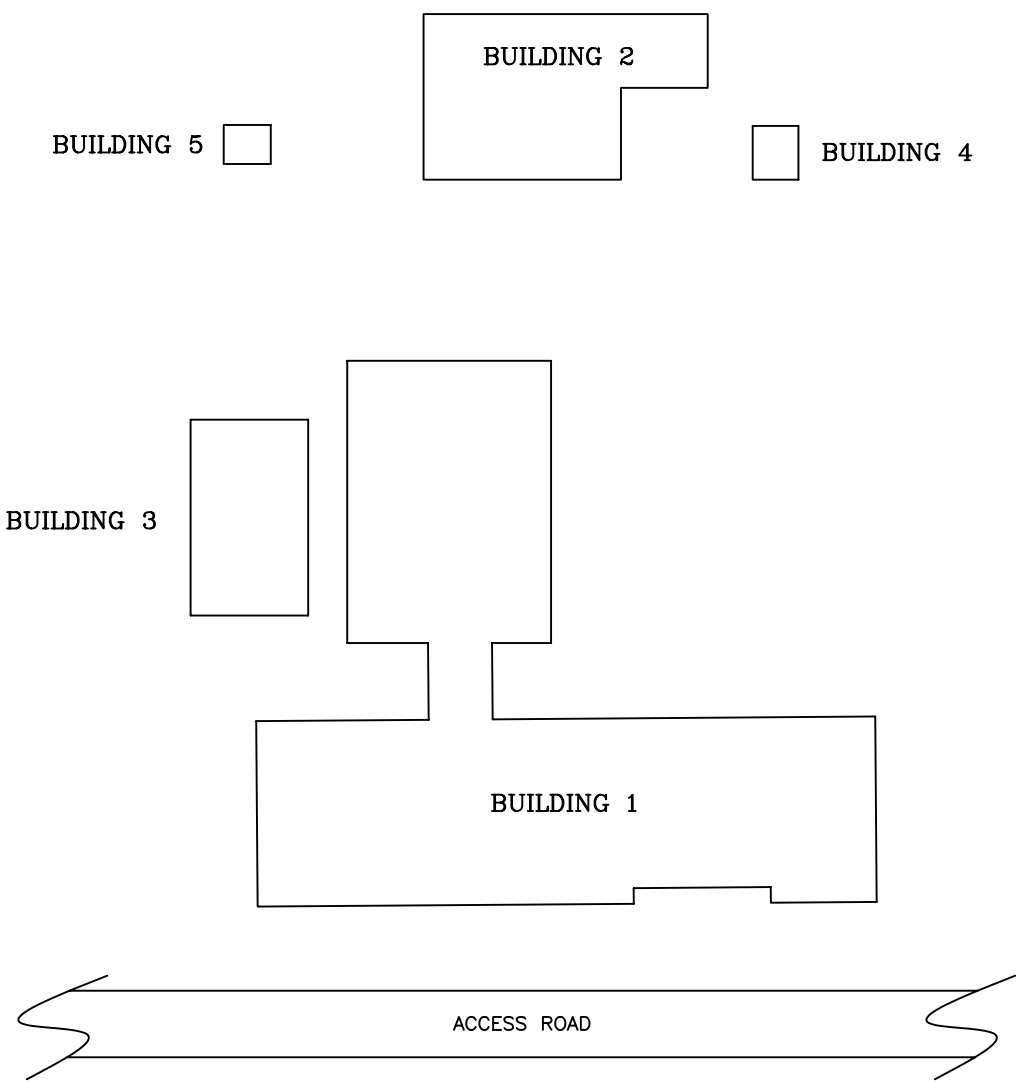


BUILDING 2



BUILDING 4

ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 BARRACKS ROAD NORTH CHARLESTON, SOUTH CAROLINA 29405			
FLOOR PLAN BUILDINGS 2 & 4 ALBERMARLE ARC (NC001), ALBERMALE, NC			
DATE 03-24-04	PREPARED BY: T. LEWIS	DRAWN BY: J.I. BROWNLEE	REV -
SCALE NONE	DWG NUMBER ALBERMARLE_NC_ARC_BLDGS 2&4	SHEET 1 OF 1	



ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA 29405

SITE MAP
ALBEMARLE ARC (NC001)
ALBEMARLE, NC

DATE	PREPARED BY:	DRAWN BY:	REV
03-24-04	T. LEWIS	J.I. BROWNLEE	–

SCALE	DWG NUMBER	SHEET
NONE	ALBEMARLE_NC_ARC_SITE MAP	1 OF 1

BUILDING 1 – MAIN RESERVE BUILDING – ALBEMARLE, NC

BUILDING 2 – MAINTENANCE SHOP – ALBEMARLE, NC

Does no show addition of office space on D side of building

BUILDING 4 – HAZMAT STORAGE – ALBEMARLE, NC

APPENDIX C

Quality Evaluation Results

Lead-Based Paint Survey Report
Quality Evaluation Results

Original XRF #	Original Result	Retest XRF#	Retest Result	Average	Squared
1852	0.0100	1853	0.0100	0.0100	0.0001
1859	0.0200	1860	0.0400	0.0300	0.0009
1862	0.0300	1863	0.0200	0.0250	0.0006
1865	5.1000	1866	9.2200	7.1600	51.2656
1867	18.5100	1868	21.7200	20.1150	404.6132
Total	**23.6700**		**31.0100**	**27.3400**	**455.8805**

Original Reading Average **4.7340**
Retest Reading Average **6.2020**
-1.4680

Absolute Difference **1.4680**

C= 455.8805
D= 455.8805 x 0.0072 = 3.2823
E= 3.2823 + 0.0320 = 3.3143
F= 3.3143 sqrt = 1.8205
Retest Tolerance Limit = 1.8205 x 1.645 = 2.9948

Retest Tolerance Limit = 2.9948
Absolute Difference = 1.4680

Inspection passed retest: 1.4680 < 2.9948

The Retest Tolerance Limit was computed using the following steps

1. Calculate the average of the original XRF result and retest XRF result for each combination.
2. Square the average of each testing combination
3. Add the ten squared averages together. This quantity is called C.
4. Multiply the number C by 0,0072. This quality is called D.
5. Add the number 0.032 to D. This quantity is called E.
6. Take the square root of E. Call this quantity F.
7. Multiply F by 1.645. The result is the Retest Tolerance Limit.
8. Find the absolute difference of the two averages.

If the absolute difference is less than the Retest Tolerance Limit, the inspection has passed retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, the procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, the inspection is considered deficient. Retest Tolerance was performed in accordance with HUD/EPA Performance Characteristics Sheet for Niton XRF instruments.

ASBESTOS RE-INSPECTION REPORTS
UNITED STATES ARMY RESERVE CENTERS
NORTH CAROLINA

OFFICE COPY

81ST REGIONAL SUPPORT COMMAND
THE WILDCAT DIVISION

Prepared for:

UNITED STATES ARMY RESERVE
81st REGIONAL SUPPORT COMMAND
BIRMINGHAM, ALABAMA

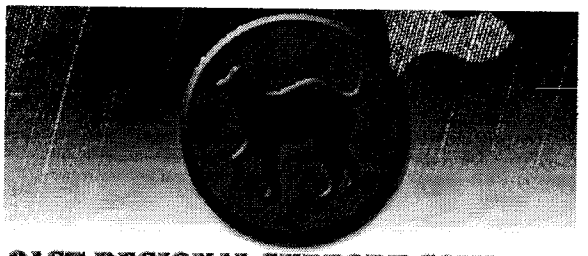
EEG, INC
Environmental & Construction Services

Prepared by:

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1949 AVENUE D
NORTH CHARLESTON, SOUTH CAROLINA

May 2002

The attached Asbestos Re-inspection Reports for the below listed 81st RSC US Army Reserve Center locations throughout North Carolina were prepared and reviewed by fully trained personnel. The signatures below indicate the reports were prepared and reviewed by Environmental Enterprise Group employees.



81ST REGIONAL SUPPORT COMMAND

THE WILDCAT DIVISION

ALBERMERLE	ASHEVILLE	BREVARD
CHARLOTTE	CONCORD	DURHAM-1
DURHAM-2	GARNER	GREENSBORO
GREENVILLE	HIGH POINT	KINSTON
LUMBERTON	RALEIGH	ROCKY MOUNT
SALISBURY	WILMINGTON	WILSON

WINSTON-SALEM

Approved by _____ Date 4/30/02

Prepared by _____ Date 4/29/02

EEG, INC
Environmental & Construction Services

Environmental Enterprise Group, Inc.
1949 Avenue D
North Charleston, SC, 29405-2106
(843) 202-8000

EEG, INC
Environmental & Construction Services

Environmental Enterprise Group, Inc.
1949 Avenue D
North Charleston, SC 29405-2106
TEL (843) 202-8008
FAX (843) 202-8001
http://www.eeginc.net

Facility Manager,

Attached is the Asbestos Re-inspection Report that has been prepared for your site. The following actions should be taken to utilize the report;

1. Put attached "Re-inspection" tab and Re-inspection Report in the back the original 1998 Inspection Report binder.

2. Review all pages of the re-inspection report and make changes to the original Inspection Report and O&M Plan as noted.

3. If your site has any material that needs immediate attention, it will be listed in Paragraph 6 of the Re-inspection Notes. All materials needing immediate attention has been discussed with Michelle Hook of the 81st RSC.

Thanks for your cooperation during our site visits and if you have any questions or should need any further assistance, please contact Michelle Hook at (803) 751-6757 or me at the number below.

Mark Moltzen
EEG, Inc.
(843) 202-8040

US Army Reserve Center – Albermerle, NC

Asbestos Re-inspection Notes

1. Re-inspections were conducted on 2/2502 by Mark Moltzen (NC Accreditation # 11718).

2. All references in this report, including homogeneous material numbers (H-1, H-3, etc.) and room numbers, are based on the original inspection report and Operations and Maintenance Plan prepared by the Environmental Detachment Charleston in 1998.

3. Materials listed in original inspection report were re-inspected to determine current condition & friability of the materials and new materials were listed, if applicable.

4. 11 materials were re-inspected at this site. See attached re-inspection sheets for details.

5. Original O&M Plan recommendations apply unless noted below. Note the following changes to the original inspection report and O&M plan for this site;

Building 1

No changes

Building 2

H-8 Change quantity to 2 LF

H-10 Delete from O&M Report – material removed

H-11 Delete from O&M Report – material removed

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):
ALBEMERLE ARMY RESERVE CENTER
1816 E. MAIN ST.
ALBEMERLE, NC

BLDG 1 - MAIN RESERVE CENTER

Type of asbestos-containing material (circle); Homogeneous Material Number: 1

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. Miscellaneous (describe): 12" BLACK & WHITE FLOOR TILE & MASTIC (ASSUMED)

Abatement Status:

1. The material has been (circle one); encapsulated enclosed neither removed

Material Status:

1. Current friability of ACM (circle one): **Friable** **Non-friable**

2. Degree of friability (circle one):

   Highly **Moderately** **Low** **N/A**

3. Current condition of material (circle one):

   Good **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one):

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   NONE

7. Recommended Action (circle one): Maintain under **O&M guidelines**

   Repair

   Remove

Signed: Mark Moltzen (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):
ALBEMERLE ARMY RESERVE CENTER
BLDG. 1 (CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 2

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. Miscellaneous (describe): 12" GRAY & WHITE FLOOR TILE & MASTIC (ASSUMED)

Abatement Status:

1. The material has been (circle one); encapsulated enclosed neither removed

Material Status:

1. Current friability of ACM (circle one): **Friable** **Non-friable**

2. Degree of friability (circle one):

   Highly **Moderately** **Low** **N/A**

3. Current condition of material (circle one):

   Good **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one):

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   NONE

7. Recommended Action (circle one): Maintain under **O&M guidelines**

   Repair

   Remove

Signed: Mark Meltzer (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):

ALBEMERLE ARMY RESERVE CENTER

BLDG. 1 -(CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 6 & 7

(1.) Sprayed or trowelled-on surfacing material - PLASTER

2. Thermal System Insulation on piping, fittings, tanks or boilers

3. Miscellaneous (describe): _____

Abatement Status:

1. The material has been (circle one); encapsulated enclosed (neither) removed

Material Status:

1. Current friability of ACM (circle one): **Friable** **Non-friable**

2. Degree of friability (circle one):

Highly **Moderately** **Low** **N/A**

3. Current condition of material (circle one):

Good **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one):

Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

H-6 IS PLASTER ON CEILING

H-7 IS PLASTER ON WALL

7. Recommended Action (circle one): (Maintain under **O&M guidelines**)

Repair

Remove

Signed: Mark Meltzer (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):
ALBEMERLE Army Reserve Center

BLDG. 1 - (CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 8

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. (3.) Miscellaneous (describe): GRAY SEALER AROUND PIPE PENETRATIONS

Abatement Status:

1. The material has been (circle one); encapsulated enclosed (neither) removed

Material Status:

1. Current friability of ACM (circle one): (**Friable**) **Non-friable**

2. Degree of friability (circle one):

   Highly **Moderately** (**Low**) **N/A**

3. Current condition of material (circle one):

   (**Good**) **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one):

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   Some MATERIAL IS REMOVED. APPROXIMATE QUANTITY IS NOW 2 LINEAR FEET.

7. Recommended Action (circle one): (Maintain under **O&M guidelines**)

   Repair

   Remove

Signed: Mark Meltzer (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):
ALBEMERLE ARMY RESERVE CENTER

BLDG. 1 (CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 9

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. Miscellaneous (describe): ROOFING SEALER - BLACK

Abatement Status:

1. The material has been (circle one); encapsulated enclosed neither removed

Material Status:

1. Current friability of ACM (circle one): **Friable** **Non-friable**

2. Degree of friability (circle one):

   Highly **Moderately** **Low** **N/A**

3. Current condition of material (circle one):

   Good **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one):

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   SEALER IS LOCATED AROUND ROOF PENETRATIONS & PERIMETER OF ROOF.

7. Recommended Action (circle one): Maintain under **O&M guidelines**

   Repair

   Remove

Signed: Mark Moltzen (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):
ALBEMERLE ARMY RESERVE CENTER

BLDG 2 - MAINTENANCE SHOP

Type of asbestos-containing material (circle); Homogeneous Material Number: 10 & 11

1. Sprayed or trowelled-on surfacing material
2. (2) Thermal System Insulation on piping, fittings, tanks or boilers - PIPING & FITTINGS
3. Miscellaneous (describe): _____

Abatement Status:

1. The material has been (circle one); encapsulated enclosed neither (removed)

Material Status:

1. Current friability of ACM (circle one): (N/A) **Friable** **Non-friable**

2. Degree of friability (circle one):

   Highly **Moderately** **Low** (N/A)

3. Current condition of material (circle one):

   Good **Damaged** **Significantly Damaged** (N/A)

4. If material is damaged, what is approximate % of total damage N/A

5. Accessibility of the material (circle one): (N/A)

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   PIPING & FITTING TSI HAS BEEN REMOVED - REPLACED WITH FIBERGLASS

   REMOVE H-10 & H-11 FROM O&M PLAN

7. Recommended Action (circle one): Maintain under **O&M guidelines**

   (N/A) **Repair**

   Remove

Signed: Mark Meltzer (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):

ALBEMERLE ARMY RESERVE CENTER

BLDG. 2 (CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 12 & 13

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. Miscellaneous (describe): 12" FLOOR TILE (BLACK & GRAY) & MASTIC (ASSUMED)

Abatement Status:

1. The material has been (circle one); encapsulated enclosed (neither) removed

Material Status:

1. Current friability of ACM (circle one): **Friable** **Non-friable**
2. Degree of friability (circle one):

   Highly **Moderately** **Low** **N/A**
3. Current condition of material (circle one):

   Good **Damaged** **Significantly Damaged**
4. If material is damaged, what is approximate % of total damage N/A
5. Accessibility of the material (circle one):

   Accessible & occupied **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)
6. Observations (including the condition of the encapsulant or enclosure, if any):

   NONE
7. Recommended Action (circle one): Maintain under **O&M guidelines**

   Repair

   Remove

Signed: Mark Meltzer (Inspector) Date: 2/25/02

Re-inspection of Asbestos-Containing Materials (ACM)

Location of ACM (address, building, room or general description):

ALBEMERLE ARMY RESERVE CENTER

BLDG. 2 -(CONTINUED)

Type of asbestos-containing material (circle); Homogeneous Material Number: 14

1. Sprayed or trowelled-on surfacing material
2. Thermal System Insulation on piping, fittings, tanks or boilers
3. Miscellaneous (describe): WINDOW CAULKING

Abatement Status:

1. The material has been (circle one); encapsulated enclosed (neither) removed

Material Status:

1. Current friability of ACM (circle one): **Friable** (**Non-friable**)
2. Degree of friability (circle one):

   Highly **Moderately** **Low** (**N/A**)

3. Current condition of material (circle one):

   (**Good**) **Damaged** **Significantly Damaged**

4. If material is damaged, what is approximate % of total damage N/A
5. Accessibility of the material (circle one):

   (**Accessible & occupied**) **Unexposed but easily accessible** (i.e., behind ceiling tiles)

   Accessible & unoccupied **Inaccessible & not likely to expose** (i.e., on roof/under floor tiles/behind walls)

6. Observations (including the condition of the encapsulant or enclosure, if any):

   NONE

7. Recommended Action (circle one): (Maintain under **O&M guidelines**)

   Repair

   Remove

Signed: Mark Mohrgan (Inspector) Date: 2/25/02

NC001

NC # 4

27 October 1995

CESAS-EN-DG

MEMORANDUM FOR RECORD:

SUBJECT: Inspection Report - Oil/Water Separator and Backflow Preventor Survey for Army Reserve Facility, 1816 East Main Street, Albemarle, North Carolina 28001

1. **Time of Visit:** 18 October 1995, at 0800 Hrs.

2. **Place:** Army Reserve Facility, Albemarle, NC.

3. **Purpose of Visit:** Perform a survey to determine the condition and size of the Oil Separator at the subject facility. Survey the facility for backflow preventor and determine if backflow preventor is required at the facility.

4. **Persons Contacted and Making Inspection:** Barry Moore (704) 982-4815.

5. **Specific Matters Considered:** The oil separator is ENCO model E-40CP Manufacture type separator. A rod was lowered down the hatch of the separator and no coalescing devices were detected. The waste in the separator smells like diesel fuel. The oil separator is under the minimum size according to API standards for the separation of 0.015 cm diameter oil globule. Oil separator appears to be connected to the storm drain system see attached permit.

The facility does not have a backflow preventor. Backflow preventor may be installed down stream near the water meter.

6. **Summary:** Oil separator appears to be undersized.

7. **Instructions Issued and Commitments Made:** None.

8. **Comments and/or Recommendations:** Recommend construction of new oil/water separator. Recommend oil/water separator be cast-in-place API oil/water separator with an separate integral waste oil compartment. Recommend the use of coalescing devices be avoided for washing operation where clay type soils are present. The coalescing devices will complicate operation and maintenance of the separator. The devices tend to foul up and become blocked with debris and suspended particles become attached to the oil. It is not likely that coalescing plates will receive adequate maintenance at most Reserve Centers. Additional questions concerning this matter should be referred to Mr. William W. Wright, EN-DG, at extension 5698.

9. **Safety Deficiencies:** None.

State of North Carolina
Department of Natural Resources and Community Development
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor

S. Thomas Rhodes, Secretary

September 20, 1985

Col. Ralph A. Luther
U. S. Army Reserve Center
1816 East Main Street
Albemarle, NC 28001

Subject: Permit No. NC0028461
USAR - Albemarle
Stanly County

Dear Col. Luther:

In accordance with your application for discharge permit received on December 14, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, requirements, or limitations contained in this permit are unacceptable to you, you have the right to an adjudicatory hearing before a hearing officer upon written demand to the Director within 30 days following receipt of this permit, identifying the specific issues to be contended. Unless such demand is made, this permit shall be final and binding.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management. If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

Arthur Mouberry
for R. Paul Wilms

cc: Mr. Jim Patrick, EPA
Mooresville Regional Supervisor

STATE OF NORTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under the NATIONAL
POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

U. S. Army

is hereby authorized to discharge wastewater from a facility located at

U. S. Army Reserve Center
1816 East Main Street
Albemarle
Stanly County

to receiving waters designated as a storm drain to Mountain Creek in the Yadkin-Pee Dee River Basin

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective October 1, 1985

This permit and the authorization to discharge shall expire at midnight on September 30, 1990

Signed this day of September 20, 1985

for R. Paul Wilms, Director
Division of Environmental Management
By Authority of the Environmental
Management Commission

M1 & I1

SUPPLEMENT TO PERMIT COVER SHEET

U. S. Army

is hereby authorized to:

1. Continue to operate an oil and water separator located at 1816 East Main Street, Albemarle, in Stanly County (See Part III, condition No. C. of this permit), and

2. Discharge from said treatment works into a storm drain to Mountain Creek which is classified Class "C" waters and is located in the Yadkin-Pee Dee River Basin.

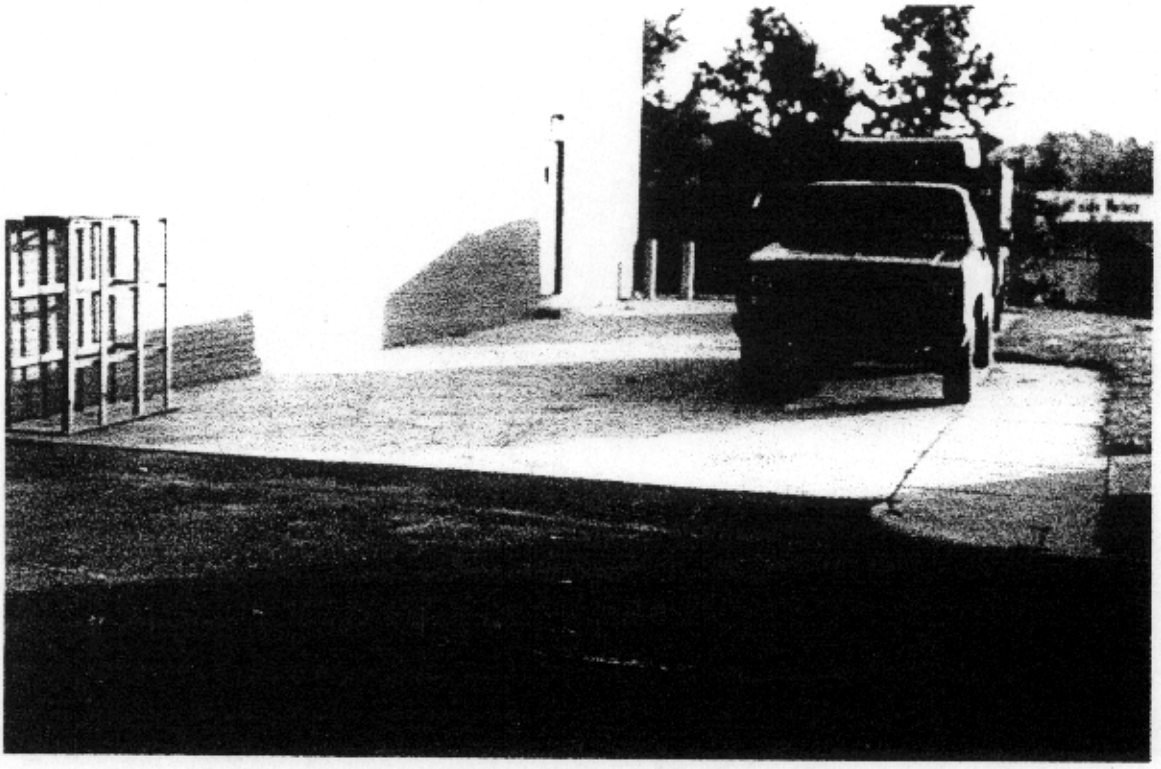


FIGURE 4A. Shows washrack

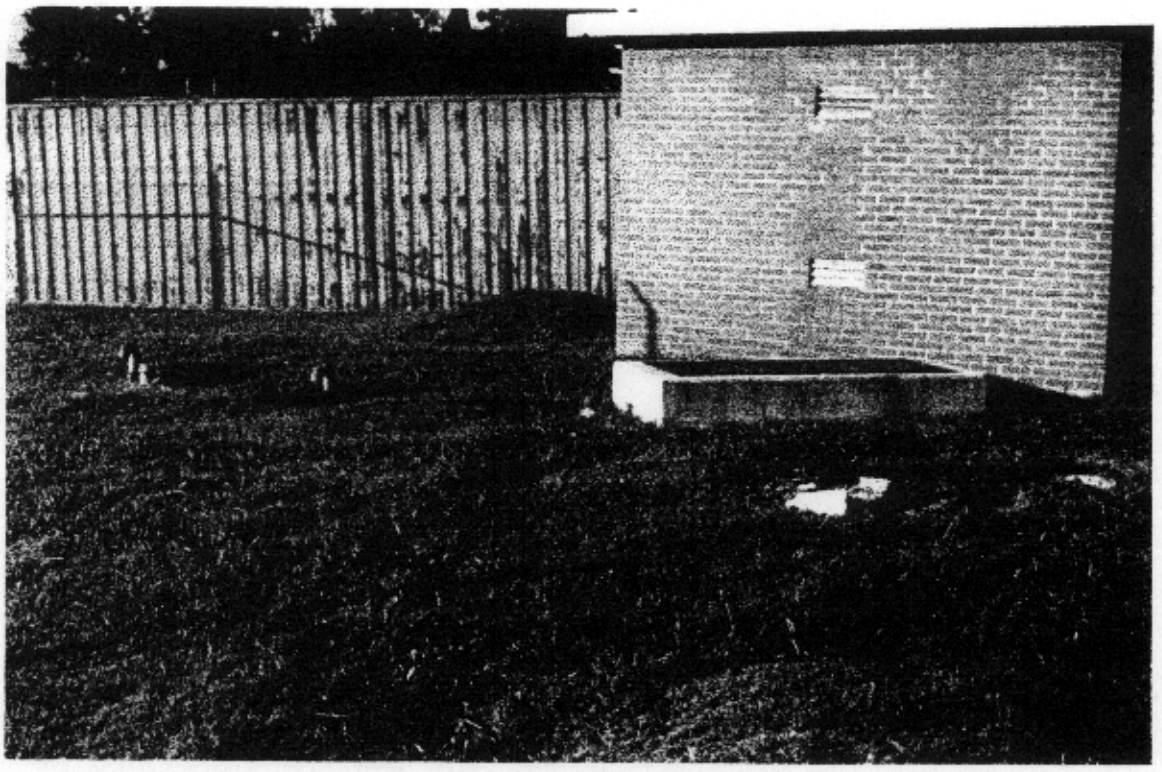


FIGURE 4B. Shows manufacture oil separator and grit chamberd.

NC001

Oil / Water Separator Cleaning Report

I. General Information

A. Ownership of Oil / Water Separators (OWS)

1. Name of OWS owner:

United States Army Reserve

2. Owner address and telephone number:

United States Army Reserve Facility
1815 East Main Street
Albemarle, NC 28001-5332
Mr. Barry Moore
(704) 982-4815

B. Facility Information

1. Facility name:
Albemarle Army Reserve Facility

2. Facility address, telephone number, and county:

United States Army Reserve Facility
1815 East Main Street
Albemarle, NC 28001-5332
Stanley County
(704) 982-4815

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

1815 East Main Street
Albemarle, NC 28001-5332
Mr. Barry Moore
(704) 982-4815

2. Name, address, and telephone number of contractor:

Earth Tech, Incorporated
311-J South Westgate Drive
Greensboro, NC 27407
(910) 299-9998

D. OWS Information

Size	Type	Grit Chamber (y/n)	Oil Accumulation	Discharge Point
840 Gallons	*Open entry*	*No*	*None*	*POTW*

E. Site Characteristics

1. **Describe any past releases at this site:**

   There are no known past releases.

2. **Is the facility active or inactive at this time? If the facility is inactive, note the last time the OWS(s) were in operation:**

   The site is active. The separator is used in conjunction with a military vehicle washrack.

3. **Describe the surrounding property use (for example, residential, commercial, farming, (etc.):**

   Adjacent property to the west is commercial. Property to the north, south and east is residential.

II Cleaning Procedures

A. Describe preparations for separator cleaning:

- *On January 23, 1997, a reconnaissance was performed by Earth Tech personnel. The oil/water separator was investigated to determine if any regulated materials were present and/or any free product accumulation had occurred. Since no free product was present in the OWS, no sample was collected.*
- *Earth Tech mobilized vac truck and personnel on February 20, 1997.*
- *Earth Tech pumped residual water to the local publicly owned treatment works (POTW).*
- *The wash rack sump and separator were de-sludged by hand and material was stored in a 55-gallon 17H drum on site, pending analysis. One (1) drum of material was containerized.*
- *Drainage line from the wash rack sump to the OWS was flushed to clear accumulated debris.*
- *Drummed material (sludge) was sampled for TCLP-8 RCRA metals. Sample ID AL-SL.*
- *Samples were sent to ETC, North Carolina state certified laboratory number 415.*

- *Drums were secured on site, manholes and grates were replaced, and Earth Tech demobilized.*

- *Sludge analysis was received on March 3, 1997 indicating non-hazardous, non-regulated material.*

- *Earth Tech, Incorporated subcontracted Soil Solutions to mobilize to the site and transport one (1) drum of non-hazardous material to their soil treatment facility in Winston-Salem, NC. The Drum was removed from the site on April 14, 1997.*

B. Note the amount of residual material pumped from the OWS(s):

Approximately 800 gallons of water was discharged to the POTW.

C. Describe the storage, sampling results, and disposal of the residual material:

Residual grit and sludge were stored in a drum on site. Water in the OWS was pumped to the local POTW. All sample results indicated non-hazardous, non-regulated materials were present in the OWS system. Residual material (sludge) was taken to Soil Solutions on 1703 Vargrave Street, Winston-Salem, North Carolina 27107. Soil Solutions is a state permitted facility approved to accept and treat both regulated and non-regulated waste materials.

D. Sampling Summary:

All product and/or sludge sampling parameters indicated non-hazardous and non-regulated substances were present in the oil/water separator system. Accumulated sludge material was disposed in accordance to federal and state guidelines.

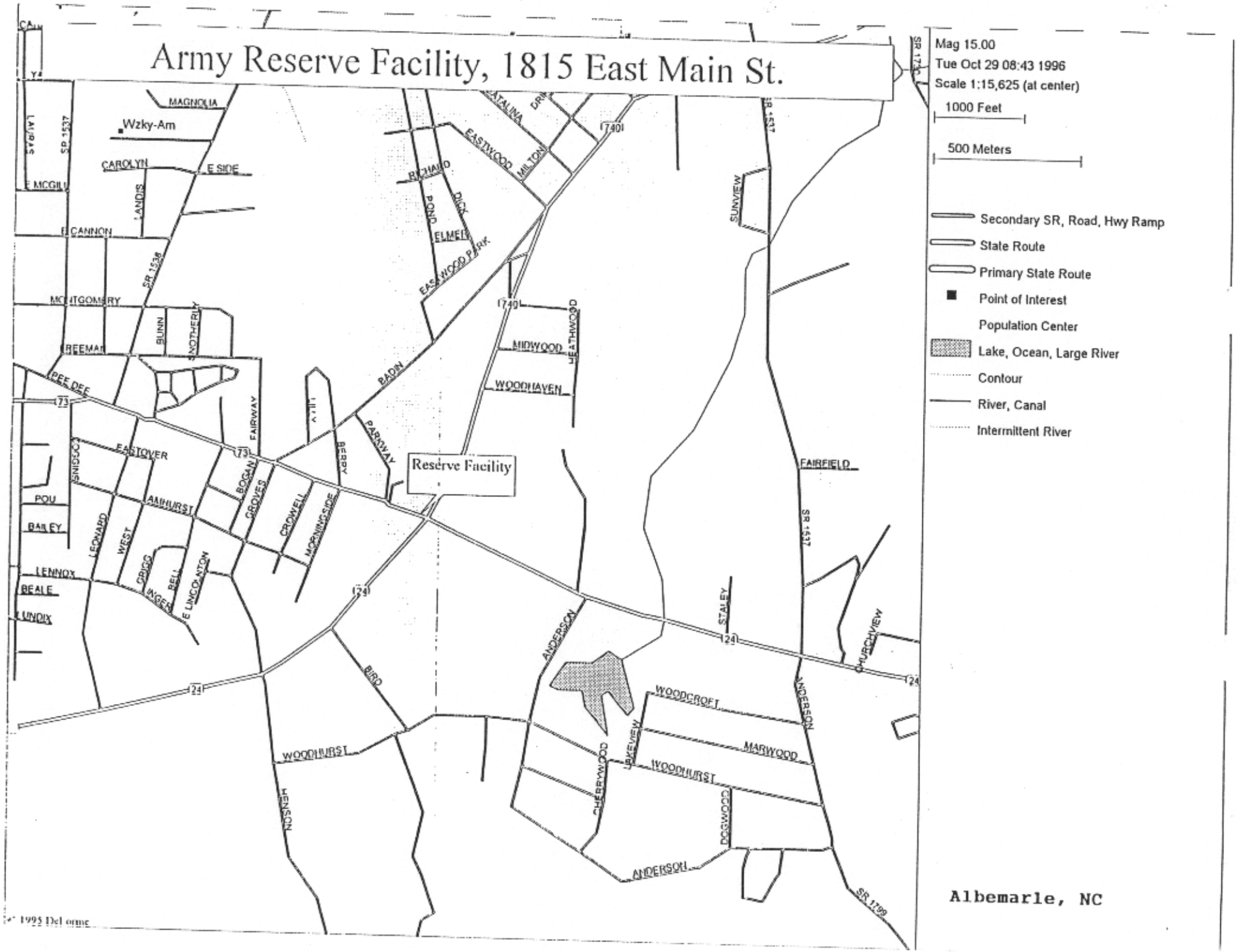
E. OWS Cleaning Results:

Upon cleaning completion, the oil/water separator system functions freely without obstruction.

Figure 1

Vicinity Map

Army Reserve Facility, 1815 East Main St.



Appendix A

Laboratory Analytical Results (Free Product)

For Appendix A: No free product (i. e. floating oil) was observed in the OWS at this site

Appendix B

Laboratory Analytical Results (Containerized Sludge)

ENVIRONMENTAL TESTING & CONSULTING, INC.
2924 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6334
Founded 1972

March 3, 1997

Mr. Eric Lintz
Earth Tech Remediation
311-J S. Westgate Drive
Greensboro, NC 27407

Ref: Analytical Testing
ETC Order # 9702693
Project Description USAR Sites

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

Nathan A. Pera, IV
Chief Executive Officer

rt
Attachment

EARTH_NC

ENVIRONMENTAL TESTING & CONSULTING, INC.

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

INORGANIC ANALYSIS DATA SHEET

C ient Name Earth Tech Remediation

311-J S. Westgate Drive
Greensboro, NC 27407

Project # 21168.01
FID #

Site ID USAR Sites

Date Arrived 02/24/97
ETC Order Number 9702693

E C Lab ID 9702693-01
Sample ID: GR-SL

Matrix :SOLID
Sample Date :02/19/97

TEST	RESULT UNITS: (mg/L)	DL	REGULATORY LEVEL: (mg/L)	DATE ANALYZED	BY	METHOD
Arsenic - TCLP	<0.250	0.250	5.0	02/28/97	TD	6010A
Barium - TCLP	1.37	0.010	100	02/28/97	TD	6010A
Cadmium - TCLP	<0.020	0.020	1.0	02/28/97	TD	6010A
Chromium - TCLP	<0.035	0.035	5.0	02/28/97	TD	6010A
Lead - TCLP	<0.225	0.225	5.0	02/28/97	TD	6010A
Mercury - TCLP	<0.001	0.001	0.2	03/03/97	QM	7470
Selenium - TCLP	<0.375	0.375	1.0	02/28/97	TD	6010A
Silver - TCLP	<0.035	0.035	5.0	02/28/97	TD	6010A
TCLP Extraction	Leachate			02/25/97	TL	SW1311

E C Lab ID 9702693-02
Sample ID: AL-SL

Matrix :SOLID
Sample Date :02/20/97

TEST	RESULT UNITS: (mg/L)	DL	REGULATORY LEVEL: (mg/L)	DATE ANALYZED	BY	METHOD
Arsenic - TCLP	<0.250	0.250	5.0	02/28/97	TD	6010A
Barium - TCLP	0.512	0.010	100	02/28/97	TD	6010A
Cadmium - TCLP	<0.020	0.020	1.0	02/28/97	TD	6010A
Chromium - TCLP	<0.035	0.035	5.0	02/28/97	TD	6010A
Lead - TCLP	<0.225	0.225	5.0	02/28/97	TD	6010A
Mercury - TCLP	<0.001	0.001	0.2	03/03/97	QM	7470
Selenium - TCLP	<0.375	0.375	1.0	02/28/97	TD	6010A
Silver - TCLP	<0.035	0.035	5.0	02/28/97	TD	6010A
TCLP Extraction	Leachate			02/25/97	TL	SW1311

D - Detection Limit

LABORATORY MANAGER

CHAIN OF CUSTODY RECORD

Environmental Testing & Consulting, Inc.
2924 Walnut Grove Rd.
Memphis, TN 38111
(901)327-2750 FAX (901)327-6334

ETC Work Order : 9708693

Company Name	Phone # : (910) 299-9998	Fax Results	X
Earth Tech, Inc.	Fax # : (910) 299-0655	RUSH	
Project/Site	FID # :	Ice	
USAR Sites	PO # : M-62689		
Project #	Matrix		
21168.01	1 Wastewater 4 Sludge		
Project Manager/Contact	2 Aqueous 5 Oil/Solvent		
Eric Lintz	3 Soil/Sediment 6 Other		

Analysis Requested
(Note special detection limits or methods)

# of cont.	Sample ID/ Number	Depth	Sample Date	Sample Time	Matrix	Type Grab/Comp	TCLP 8RCRA metals	Comments
1	GR-SL	–	2-19-97	13:30	3	Comp	X	
1	AL-SL	–	2-20-97	12:40	3	Comp	X	
1	RA-SL	–	2-21-97	13:20	3	Comp	X	

Sampled By	Method of Shipment	Blank/Cooler Temp	Remarks
Robert Marlib	Federal Express		

RELINQUISHED BY (sign) Robert Marlib	DATE 2-22-97	TIME 08:30	RECEIVED BY (sign)	DATE	TIME	Sample Delivery Group ID
RELINQUISHED BY (sign)	DATE	TIME	RECEIVED BY (sign)	DATE	TIME	
RELINQUISHED BY (sign)	DATE	TIME	RECEIVED BY LAB (print/sign) S. Herrman	DATE 2/24/97	TIME 0915	

Distribution : Original and Yellow accompany samples to the laboratory. Pink copy for Field Crew.
Original copy returned with results. Yellow copy for ETC, Inc. files.

F:\QA\QC\SLOP\COC0995.XLS

Appendix C

Sludge Disposal Certification and Manifests

SOIL SOLUTIONS

CERTIFICATE OF ACCEPTANCE

Soil Solutions, Inc. does hereby certify that 22 drums of non-hazardous hydrocarbon contaminated material were received on 4/14/97 through 4/24/97 from:

Generator: Army Reserve Centers

Originating at: Various locations in North and South Carolina

SSI Waste ID#: SF049713

This non-hazardous hydrocarbon material has been accepted by Soil Solutions, Inc. and will be remediated in their Soil Treatment Facility in Winston-Salem, North Carolina through biodegradation. Soil Solutions, Inc. guarantees the hydrocarbon contaminated material will be treated to below regulatory standards as set by the North Carolina Department of Environment, Health and Natural Resources for clean soil.

Thomas W. Hammett

Signature

Thomas W. Hammett, Senior Vice President
Name/Title
Soil Solutions, Inc.

Date 04 / 23 / 97

1703 Vargrave Street Winston-Salem, NC 27107

(910) 725-5844 FAX (910) 725-6244

SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck # **Load #** No 6669

GENERATOR INFORMATION

Generator: **Army Reserve Center** Phone: **910-299-9998**

Site Address: **1815 East Main Street**

Albemarle, North Carolina Contact: **Eric Lintz**

Material Description	Contaminant	Units	Weight Certification/Quantity
Soil	**Oil & Grease**	Tons Yds³ Drums	1

CARRIER INFORMATION

Carrier: **Soil Solutions, Incorporated** Phone: **(910) 725-5844**

1703 Vargrave Street

Winston-Salem, NC 27107 Contact: **Tony Disher**

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [signature] Date: 4-14-97

RECEIVER INFORMATION

Soil Solutions, Incorporated SSI Project #: **SF049713**

1703 Vargrave Street Phone: **(910) 725-5844**

Winston-Salem, NC 27107 Contact: **Tony Disher**

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [signature] Date: 4-14-97

White/Facility Canary/Invoice Goldenrod/Generator Pink/Carrier

Appendix D

Construction Quality Control Report

EARTH TECH Remediation Services, Inc.
311-J South Westgate Drive
Greensboro, North Carolina 27407

CONSTRUCTION QUALITY CONTROL REPORT

Date: 2-26-97 Report No. 4

Contract No.: 21168-01 DO#32

Description and Location of Work: clean o/w separator Albemarle, N.C.

Weather: (Clear) (P. Cloudy) (Cloudy); Temperature: 45 Min. 70 Max;
Rainfall: 0 Inches

Contractor/Subcontractors and Area of Responsibility
a. Earth Tech - Pump & clean o/w separator, pipes & drain
b.
c.
d.
e.
f.
g.
h.

1. Work Performed Today:
Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in table above.
Pumped 846 gal water from separator & drain, discharge to POTW
Shoveled out wash rack drain & VAC truck - 1 drum (1 sample)
Flush lines

2. Results of Control Activities:
Indicate whether: P-Preparatory, I-Initial, or F-Followup and include satisfactory work completed or deficiencies with action to be taken.
N/A

3. Test Required by Plans and/or Specifications Performed and Results of Tests:
N/A

4. Monitoring of Materials and Equipment:
N/A

5. Offsite Surveillance Activities:
N/A

6. Job Safety: (Daily Comment Required)
OK

7. Remarks:
   a. Cover any conflicts in plans, specifications or instructions.
   b. Action taken in review of submittal.
   c. Verbal instructions received.

Inspector

CONTRACTOR'S VERIFICATION:

The above report is complete and correct and all material and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

For ROBERT MARBLE

Contractor's Approved
Authorized
Representative

Appendix E

Confined Space Entry Permits

For Appendix E: No confined space entries were performed at this site.

Appendix F

Field Notes

1-2397 @ 15:30

USAR Facility

Albemarle, N.C.

- O/W separator located in grass area adj' to wash rack and Bldg.
  No grit chamber present
  (See photo in book - has grit chamber)
- Concrete vault type.
- 56" water ~800 gal, very slight sheen
  No sample taken
  No sludge detected

- To clean - pump water to storm drain ~100 away.
  Manhole on top easy access to chamber, small person to enter
- Two cleanout holes out side fence and wash rack drain clean

(Open Entry)

2-2ϕ-97 Albemarle, N.C.

12:ϕϕ Arrive on Site

12:ϕ5 Set up hoses on VAC Truck

12:1ϕ pump water out of wash rack drain, Flush drain pipe

12:2ϕ shovel dirt/sludge from wash rack drain into Drum (1)

12:4ϕ 1 Drum (composite) Sample - Analysis TCLP-8 RCRA metals AL-SL (sample ID)

12:4ϕ Pump water out of o/w separator 844 gal

12:5ϕ Blow out drain line to POTW

13:ϕϕ Discharge water from VAC Truck to POTW

2-2ϕ-97 Albemarle, N.C. cont...

13:3ϕ Flush out VAC truck

13:4ϕ Put manway lid back on separator
Put wash rack drain lid back in place

13:55 Wash/flush VAC truck hoses

14:ϕ5 Secure all supplies hoses, etc. to trucks

14:2ϕ leave Site

NC001

Underground Storage Tank
Tank Abandonment / Closure Report

Site: United States Army Reserve Center
Albemarle, North Carolina

To: North Carolina Department of Environment,
Health & Natural Resources
Division of Environmental Management
Mooresville Regional Office
919 Main Street
Mooresville, North Carolina 28115-0950
(704) 663-1699

From: U.S Army Corps of Engineers
Charleston District
Low Country Resident Office
1050 Remount Road, Building 3238
North Charleston, South Carolina 29406
(803) 743-9454
(803) 743-9469 (fax)

Prepared By: **ENVIRONMENTAL TECHNOLOGY OF NORTH AMERICA, INC.**
311-J South Westgate Drive
Greensboro, North Carolina 27407
(910) 299-9998
(910) 299-0655 (fax)

Date: December 27, 1994

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

On September 28, 1994, Environmental Technology of North America, Inc. (ETI) inerted, excavated, and removed a 500 gallon abandoned underground storage tank (UST) located at United States Army Reserve Center, 1816 East Main Street, Albemarle, North Carolina. (See Figure 1.) Approximately 20 cubic yards of soil was removed from the excavation with a maximum depth of approximately six feet. Two (2) grab soil samples were collected from the bottom of the excavation, one (1) composite soil sample was collected from the side walls, and one (1) composite soil sample was collected from the stockpiled soils. In addition, one (1) background soil sample was collected approximately ten (10) feet from the edge of the excavation. All soil samples were submitted to James H. Carr & Associates, Inc., a North Carolina state-certified laboratory, for analysis of Total Petroleum Hydrocarbons (TPH) utilizing TPH method 3550, naphthalene (method 8270), and BTEX. Laboratory analyses indicated that one TPH concentration in the excavation is above the North Carolina Division of Environmental Management (DEM) final clean-up level established by a site sensitivity evaluation (SSE). All other analyses indicate below detectable concentrations of the target analytes. The excavation pit was backfilled with the excavated soils and some additional offsite borrow required to fill the void once occupied by the UST.

After removal, the UST was marked according to all applicable regulations and immediately transported by Southern Tank and Environmental, Inc. to their facility in Charlotte, North Carolina where the tanks were properly disposed and certificates of destruction were provided to ETI. The UST certificate of disposal is located in Appendix B.

The removal and disposal of the UST and its contents as well as all sampling was performed in accordance with all applicable Environmental Protection Agency (EPA) regulations (40 CFR 280), North Carolina Department of Environment, Health and Natural Resources (DEM) requirements, and the U.S. Army Corps of Engineers (COE) contract specifications.

2.0 PROJECT BACKGROUND

Environmental Technology of North America, Inc. (ETI) was awarded delivery order #0014 of contract DACA21-92-D-0001 by the U.S. Army Corps of Engineers, Savannah District, to remove one (1) 500 gallon underground storage tank (UST) at the Army Reserve Center, Charleston, South Carolina. The tank was previously used for the storage of heating fuel for the Army Reserve Center Maintenance Building. The contract is unit price based which includes all related work such as transportation and disposal of tank contents, transportation and disposal of USTs, collecting samples, transportation and disposal of contaminated soils, backfilling excavations, site restoration, and preparation of tank abandonment/closure reports.

2.1 MANAGEMENT PLAN/HEALTH & SAFETY

Prior to project commencement, both a Management Plan and a Site Specific Health and Safety Plan were prepared by ETI and approved by the US Army Corps of Engineers. In addition, all ETI personnel working onsite are current on 40 hour OSHA hazardous waste training, medical monitoring, and drug testing. Most personnel also have confined space entry training and CPR training.

2.2 PRODUCT SAMPLING & DISPOSAL PROCEDURES

Prior to removal, the UST is sounded to determine the quantity of product present. When obtainable, the product is sampled and sent to a certified laboratory for analysis of lead and flashpoint utilizing EPA methods 239.2 and 1010 respectively to assure no hazardous constituents are present. Remaining product was pumped and transported by Energy Recovery Resources, Inc., P.O. Box 5651, Charlotte, North Carolina 28225.

UST contents sampling is performed by lowering a dedicated, disposable bailer into the tank. Dedicated, disposable gloves are worn for each sample to prevent cross contamination. Bailer contents are emptied into a laboratory-grade glass container until zero head space remains. Excess contents in the bailer are emptied back into the tank. The sample container is sealed, labeled accordingly, properly stored in a cooler (chilled to four (4) degrees Celsius), and transported to the designated laboratory. A chain-of-custody form is included indicating sample number, location, time, date, and analytical parameters.

2.3 OVA FIELD SCREENING AND HEAD SPACE ANALYSIS

An organic vapor analyzer (OVA) is utilized during the UST removal process to monitor ambient air quality as well as to screen excavated soils for organic vapors. When field screening indicates the possible presence of petroleum contamination in the excavated soils, those soils are staged separately from the clean soils. Headspace analyses are also performed on various excavation and/or stockpile samples to detect the possible presence of petroleum odors. In addition, headspace analysis documentation can be utilized as a laboratory quality assurance tool and can justify resampling of a given location if OVA and visual documentation
conflicts with laboratory analysis.

2.4 SOIL SAMPLING PROCEDURES AND ANALYTICAL PARAMETERS

Soil samples were collected at each site in accordance with applicable Environmental Protection Agency (EPA) regulations (40 CFR 280), North Carolina Department of Environment, Health and Natural Resources guidelines, and the U.S. Army Corps of Engineers (COE) contract specifications. All soil samples are submitted to James H. Carr & Associates, Inc., a South Carolina certified laboratory, for analysis of the required parameters. Table 1 illustrates required analytical parameters,

sample media, and the North Carolina Department of Environment, Health and Natural Resources action limits for contaminated soil.

TABLE 1

Required Analytical Parameters and Sample Media

Petroleum Constituent	Analytical Parameter(s)	Established Action Limit (ppm)	Sample Media
Gasoline Range	TPH (5030)	40.0	4 oz. glass jar
Diesel Range	TPH (3550)	80.0	4 oz. glass jar
	TPH (5030)	1.0	
Used Oil Heavy Oil	Oil & Grease (9071)	250.0	4 oz. glass jar

At the bottom of each tank excavation, two or three grab soil samples were collected based upon the UST length. Grab samples were collected at the most likely location of the contamination. For a tank equal to or less than twenty (20) feet long two (2) soil samples are taken; one (1) under each end of the tank, below the tank in the native (undisturbed) material. For a tank greater than twenty (20) feet long, three (3) soil samples are taken below the tank in the native (undisturbed) material; one (1) sample under each end of the tank, and one (1) in the middle of the tank. Due to safety concerns, all bottom samples are typically obtained utilizing the backhoe/trackhoe bucket.

A composite soil sample was collected from each of the walls of the excavation in the native (undisturbed) material. If the excavation was exceedingly large, additional samples may be collected based upon the judgement of the supervising field geologist. Again, due to safety concerns, all wall samples were typically obtained utilizing the backhoe/trackhoe bucket. Composite soil samples were also collected from the stockpiled soil utilizing a decontaminated stainless steel four (4) inch hand auger.

For each soil sample collected, dedicated disposable gloves were worn. Soils were placed in a clean, laboratory-grade four (4) ounce glass jar and sealed with a Teflon lid. Each jar was filled with soil, labeled accordingly, and properly stored in a cooler at four (4) degrees Celsius. Samples were transported to the designated laboratory. A chain-of-custody was included indicating sample number, location, time, date, and analytical parameters. Sample numbers and locations were clearly recorded in a site log and sketched on a scaled site map. For quality assurance and quality control (QA/QC),

every tenth sample collected was split and sent to the Corps of Engineers, South Atlantic Division Lab in Marietta, Georgia. In addition, one (1) field blank per sampling day and one (1) trip blank for each cooler were prepared. All samples were properly packaged to prevent breakage.

2.5 UST DISPOSAL PROCEDURES

The UST was transported by Southern Tank and Environmental, Inc. to their facility in Charlotte, North Carolina where the tank was properly disposed and certificate of destruction was provided to ETI. The certificate of disposal is found in Appendix B.

3.0 FIELD INVESTIGATION

ETI mobilized equipment, tools, supplies, and manpower to the Army Reserve Center, Albemarle, North Carolina on September 28, 1994 at approximately 8:00 AM. The scope of work was reviewed and a safety meeting was held. Meter calibration records for the organic vapor analyzer (OVA) and the combustible gas indicator (CGI) were reviewed to assure recent calibration (see Appendix C). The UST was sounded prior to removing and contained 70 gallons of product. Remaining product was pumped and transported by Energy Recovery Resources Inc., P.O. Box 5651, Charlotte, North Carolina 28225.

Prior to excavating any soils, the CGI was used to ensure that no explosive gas mixture existed within the tank. At approximately 8:20 AM, soil staging areas were set up utilizing ten (10) mil polyliner and excavation began. Excavated soils were screened for petroleum odors utilizing the OVA. OVA readings and visual inspections did not indicate the presence of hydrocarbons in the soils. Approximately 20 cubic yards of soil (red clay) was removed with the maximum excavation depth approximately six feet. Groundwater was not encountered.

At approximately 9:00 AM, the UST was removed from the excavation and placed on ten (10) mil polyliner. The overall condition of the tank was good and was labeled accordingly noting tank contents, "vapor free", UST location, "not for human consumption", and the date pulled. No holes or leaks were noted during visual inspection of the tank. In accordance with Corps of Engineer requirements, photographic documentation was maintained during the removal process. Prior to transport, the CGI was again utilized to ensure that no explosive gas mixture existed within the tank. It was then loaded and hauled on a flat bed trailer for destruction at Southern Tank and Environmental, Inc.. The certificate of disposal is found in Appendix B.

At approximately 9:20 AM, ETI began collecting soil samples from the excavation pit. Two (2) grab soil samples were collected from the bottom of the excavation, one (1) composite sample was taken from the walls of the excavation, and one (1) composite soil sample was collected from the stockpiles. In addition, one (1) background soil sample was collected approximately ten (10) feet from the edge of the excavation. Samples were collected in accordance to the procedures specified in Section 2.3 above (see Appendix D). At approximately 11:45 AM, the site was backfilled and restored.

4.0 LABORATORY ANALYSIS

All soil samples collected were transported to James H. Carr & Associates, Inc. for analysis of Total Petroleum Hydrocarbons (TPH) 3550, Naphthalene 8270 and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) 8020. Carr & Associates, Inc. is a North Carolina state-certified laboratory located at 919 True Street, Columbia, SC 29290. The laboratory results and chain of custody form can be found in Appendix A.

Table 2 summarizes the sample location, sample numbers, and analytical results for all soil samples collected.

TABLE 2

Soil Sample Analytical Summary

Sample Location	Sample Number	*TPH 3550 (ppm)	Naphthalene 8270 (ppb)	BTEX 8020 (ppb)			
				Benzene	Toluene	Ethylbenzene	Xylenes
Background	SS-6	109.0	BDL	BDL	BDL	BDL	BDL
North Bottom	SS-7	1,340.0	BDL	BDL	BDL	BDL	BDL
South Bottom	SS-8	88.9	BDL	BDL	BDL	BDL	BDL
Wall Composite	SS-9	49.2	BDL	BDL	BDL	BDL	BDL
Stockpile	SS-10	33.9	BDL	BDL	BDL	BDL	BDL

*SSE established final clean-up level of 640 ppm.

5.0 DISCUSSION

Laboratory analytical results of the soil samples were received from Carr & Associates, Inc. on October 31, 1994. As is illustrated in Table 2, all BTEX and naphathalene concentrations were reported below detection. However, one TPH 3550 concentration in the excavation was reported above the final clean-up level established by the Site Sensitivity Evaluation (SSE)(see Appendix G). The excavation was backfilled using excavated soils and additional offsite backfill to fill the void once occupied by the UST.

6.0 CONCLUSIONS

The removal of the UST and its contents as well as all sampling was performed in accordance with all applicable Environmental Protection Agency (EPA) regulations (40 CFR 280), DEM guidelines, and the U.S. Army Corps of Engineers (COE) contract specifications. Laboratory analyses indicated one TPH 3550 concentration in the excavation above the final SSE clean-up level. BTEX and naphthalene concentrations were reported below detection.

Michael J. Lamore, PE
Vice-President

Terry A. Kuneff
Staff Scientist

Eric K. Lintz,
Senior Geologist

Figure 1

Site Vicinity Map

ENVIRONMENTAL TECHNOLOGY OF NORTH AMERICA, INC.		120TH ARCOM
311-J SOUTH WESTGATE DRIVE GREENSBORO, NORTH CAROLINA		
Project Manager MJA	Job Number: 886-SC-08	ARMY RESERVE CENTER ALBEMARLE, NC
Technician EKL	Scale: as shown	
Reviewer MJL	HOSPITAL LOCATIONS MAP	
By: EKL		

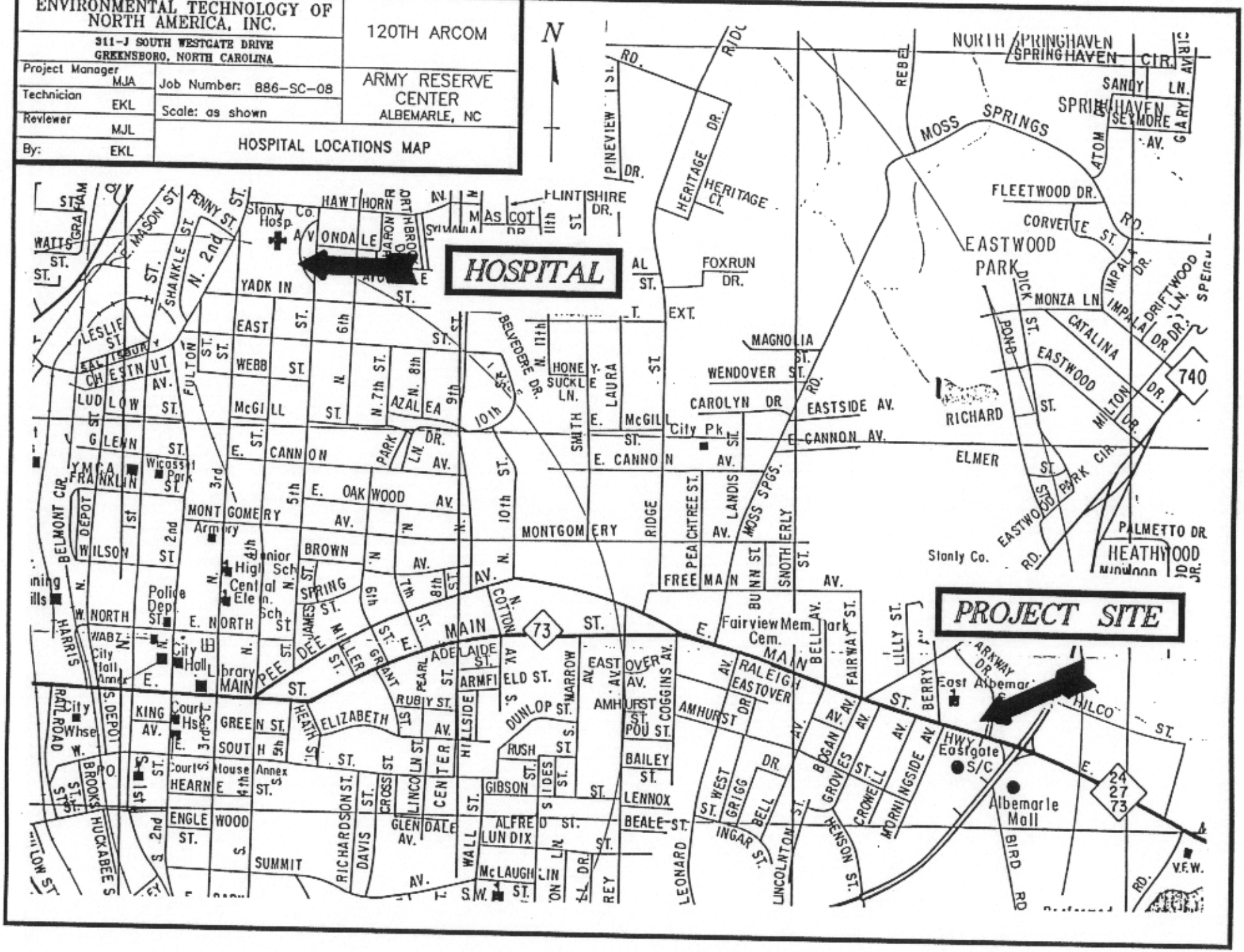


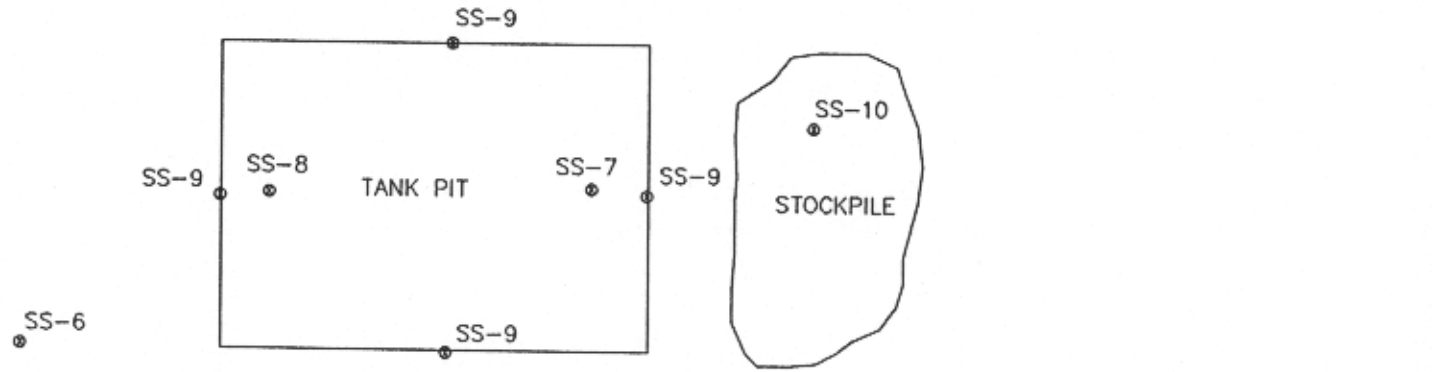
Figure 2

Sampling Location Map

ENVIRONMENTAL TECHNOLOGY OF NORTH AMERICA, INC.		120TH ARCOM
311-J SOUTH WESTGATE DRIVE GREENSBORO, NORTH CAROLINA		
Project Manager MJA	Job Number: 886-SC-08	ARMY RESERVE CENTER ALBEMARLE, NC
Technician EKL	Scale: as shown	
Reviewer MJL	SAMPLING LOCATION MAP	
By: TAK		

N

U.S. ARMY RESERVE
MAINTENANCE BUILDING



Appendix A

Soil Sample Laboratory Transcripts

CONTINUATION OF DATA FOR SAMPLE NUMBER 2138

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DI FA
SURROGATE NITROBENZENE-D5	86.4 % Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- SS-6
LOCATION- Back Ground
SAMPLE NUMBER- 2139
SAMPLE MATRIX- SOIL

DATE SAMPLED- 09/29/94
TIME SAMPLED- 0930
DATE RECEIVED- 10/01/94

TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DI FA
% SOLIDS	90.6 %	0.01		10/06/94		
TOTAL PETROLEUM HYDROCARBONS						
TPH-DIESEL RANGE	109. mg/Kg	11.0	10/05/94	10/06/94	3550/8015	
SURROGATE PENTACOSANE	98 % Recovery					
UST BTEX COMPOUNDS						
BENZENE	<5.52 ug/Kg	5.52		10/22/94	8260	
TOLUENE	<5.52 ug/Kg	5.52				
ETHYL BENZENE	<5.52 ug/Kg	5.52				
TOTAL XYLENES	<11.0 ug/Kg	11.0				
SURROGATE 12-DICHLOROETHANE	113 % Recovery					
SURROGATE TOLUENE-D8	110 % Recovery					
SURROGATE BROMOFLUOROBENZENE	111 % Recovery					
NAPHTHALENE	<364. ug/Kg	364.	10/10/94	10/14/94	8270	
SURROGATE NITROBENZENE-D5	76.3 % Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- SS-7
LOCATION- North UST
SAMPLE NUMBER- 2140
SAMPLE MATRIX- SOIL

DATE SAMPLED- 09/29/94
TIME SAMPLED- 0935
DATE RECEIVED- 10/01/94

TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTO
% SOLIDS	91.5 %	0.01		10/06/94		
TOTAL PETROLEUM HYDROCARBONS						
TPH-DIESEL RANGE	1340 mg/Kg	10.9	10/05/94	10/06/94	3550/8015	
SURROGATE PENTACOSANE	91 % Recovery					
UST BTEX COMPOUNDS						
BENZENE	<5.46 ug/Kg	5.46		10/11/94	8260	

CONTINUATION OF DATA FOR SAMPLE NUMBER 2140

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
TOLUENE	<5.46	ug/Kg	5.46				
ETHYL BENZENE	<5.46	ug/Kg	5.46				
TOTAL XYLENES	<10.9	ug/Kg	10.9				
SURROGATE 12-DICHLOROETHANE	83.0	% Recovery					
SURROGATE TOLUENE-D8	89.2	% Recovery					
SURROGATE BROMOFLUOROBENZENE	107	% Recovery					
NAPHTHALENE	<361	ug/Kg	361	10/10/94	10/14/94	8270	
SURROGATE NITROBENZENE-D5	85.0	% Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- SS-8
LOCATION- South UST
SAMPLE NUMBER- 2141
SAMPLE MATRIX- SOIL
DATE SAMPLED- 09/29/94
TIME SAMPLED- 0940
DATE RECEIVED- 10/01/94
TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	88.9	%	0.01		10/06/94		
TOTAL PETROLEUM HYDROCARBONS				10/05/94	10/06/94	3550/8015	
TPH-DIESEL RANGE	88.9	mg/Kg	11.2				
SURROGATE PENTACOSANE	91.0	% Recovery					
UST BTEX COMPOUNDS					10/11/94	8260	
BENZENE	<5.62	ug/Kg	5.62				
TOLUENE	<5.62	ug/Kg	5.62				
ETHYL BENZENE	<5.62	ug/Kg	5.62				
TOTAL XYLENES	<11.2	ug/Kg	11.2				
SURROGATE 12-DICHLOROETHANE	74.4	% Recovery					
SURROGATE TOLUENE-D8	89.4	% Recovery					
SURROGATE BROMOFLUOROBENZENE	87.2	% Recovery					
NAPHTHALENE	<371.	ug/Kg	371.	10/10/94	10/14/94	8270	
SURROGATE NITROBENZENE-D5	61.8	% Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- SS-9
LOCATION- Wall Comp **DATE SAMPLED- 09/29/94** **TIME RECEIVED- 1110**
SAMPLE NUMBER- 2142 **TIME SAMPLED- 0945** **DELIVERED BY- Fed. Express**
SAMPLE MATRIX- SOIL **DATE RECEIVED- 10/01/94** **RECEIVED BY- NS**
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACT
% SOLIDS	89.4 %	0.01		10/06/94		
TOTAL PETROLEUM HYDROCARBONS			10/05/94	10/06/94	3550/8015	
TPH-DIESEL RANGE	49.2 mg/Kg	11.2				
SURROGATE PENTACOSANE	95.0 % Recovery					
UST BTEX COMPOUNDS				10/22/94	8260	
BENZENE	<5.59 ug/Kg	5.59				
TOLUENE	<5.59 ug/Kg	5.59				
ETHYL BENZENE	<5.59 ug/Kg	5.59				
TOTAL XYLENES	<11.2 ug/Kg	11.2				
SURROGATE 12-DICHLOROETHANE	112 % Recovery					
SURROGATE TOLUENE-D8	99.4 % Recovery					
SURROGATE BROMOFLUOROBENZENE	104 % Recovery					
NAPHTHALENE	<369. ug/Kg	369.	10/10/94	10/14/94	8270	
SURROGATE NITROBENZENE-D5	85.2 % Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- SS-10
LOCATION- Stockpile **DATE SAMPLED- 09/29/94** **TIME RECEIVED- 1110**
SAMPLE NUMBER- 2143 **TIME SAMPLED- 0950** **DELIVERED BY- Fed. Express**
SAMPLE MATRIX- SOIL **DATE RECEIVED- 10/01/94** **RECEIVED BY- NS**
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTO
% SOLIDS	90.5 %	0.01		10/06/94		
TOTAL PETROLEUM HYDROCARBONS			10/05/94	10/06/94	3550/8015	
TPH-DIESEL RANGE	33.9 mg/Kg	11.0				
SURROGATE PENTACOSANE	87.0 % Recovery					
UST BTEX COMPOUNDS				10/22/94	8260	
BENZENE	<5.52 ug/Kg	5.52				
TOLUENE	<5.52 ug/Kg	5.52				
ETHYL BENZENE	<5.52 ug/Kg	5.52				
TOTAL XYLENES	<11.0 ug/Kg	11.0				
SURROGATE 12-DICHLOROETHANE	125 % Recovery					
SURROGATE TOLUENE-D8	101 % Recovery					
SURROGATE BROMOFLUOROBENZENE	103 % Recovery					
NAPHTHALENE	<365 ug/Kg	365	10/10/94	10/14/94	8270	

CONTINUATION OF DATA FOR SAMPLE NUMBER 2143

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTO
SURROGATE NITROBENZENE-D5	89.4 % Recovery		10/10/94	10/14/94	8270	

SAMPLE ID- FB-27
LOCATION- Field Blank
SAMPLE NUMBER- 2144
SAMPLE MATRIX- GROUNDWATER
DATE SAMPLED- 09/27/94
TIME SAMPLED- NA
DATE RECEIVED- 10/01/94
TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BTEX COMPOUNDS				10/22/94	8260	
BENZENE	< 5 ug/L	5				
TOLUENE	< 5 ug/L	5				
ETHYL BENZENE	< 5 ug/L	5				
TOTAL XYLENES	< 5 ug/L	5				
SURROGATE 12-DICHLOROETHANE	101 % Recovery					
SURROGATE TOLUENE-D8	87.6 % Recovery					
SURROGATE BROMOFLUOROBENZENE	82.8 % Recovery					
NAPHTHALENE	< 10 ug/L	10	10/06/94	10/17/94	8270	
SURROGATE NITROBENZENE-D5	96.0 % Recovery		10/06/94	10/17/94	8270	

SAMPLE ID- FB-29
LOCATION- Field Blank
SAMPLE NUMBER- 2145
SAMPLE MATRIX- GROUNDWATER
DATE SAMPLED- 09/29/94
TIME SAMPLED- NA
DATE RECEIVED- 10/01/94
TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BTEX COMPOUNDS				10/22/94	8260	
BENZENE	< 5 ug/L	5				
TOLUENE	< 5 ug/L	5				
ETHYL BENZENE	< 5 ug/L	5				
TOTAL XYLENES	< 5 ug/L	5				
SURROGATE 12-DICHLOROETHANE	102 % Recovery					
SURROGATE TOLUENE-D8	95.4 % Recovery					
SURROGATE BROMOFLUOROBENZENE	86.8 % Recovery					
NAPHTHALENE	< 10 ug/L	10	10/06/94	10/17/94	8270	
SURROGATE NITROBENZENE-D5	121 % Recovery		10/06/94	10/17/94	8270	

CARR and ASSOCIATES

SAMPLE ID- TRIPBL.
LOCATION- Trip Blank
SAMPLE NUMBER- 2146
SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 09/29/94
TIME SAMPLED- NA
DATE RECEIVED- 10/01/94

TIME RECEIVED- 1110
DELIVERED BY- Fed. Express
RECEIVED BY- NS
SAMPLER- CLIENT

ANALYSIS	RESULT	UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTO
BTEX COMPOUNDS					10/22/94	8260	
BENZENE	< 5	ug/L	5				
TOLUENE	< 5	ug/L	5				
ETHYL BENZENE	< 5	ug/L	5				
TOTAL XYLENES	< 5	ug/L	5				
SURROGATE 12-DICHLOROETHANE	118	% Recovery					
SURROGATE TOLUENE-D8	90.0	% Recovery					
SURROGATE BROMOFLUOROBENZENE	86.2	% Recovery					
NAPHTHALENE	< 10	ug/L	10	10/06/94	10/17/94	8270	
SURROGATE NITROBENZENE-D5	124	% Recovery		10/06/94	10/17/94	8270	

SCDHEC Laboratory ID 40111

LABORATORY DIRECTOR _____
James H. Carr

Environmental Technology, Inc.
311-J South Westgate Drive
Greensboro, North Carolina 27407
Phone: (910) 299-9998
Fax: (910) 299-0655

BAT 365

35

№ 6126

CHAIN OF CUSTODY RECORD

PROJECT NO.: 886-55-08 | PROJECT NAME: ARCO 10/94

SAMPLERS: (Signature) Mark J Augustyniak

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPH 3550	TPH 5030	EPA 602 (Modified)	EPA 610	BTXE w/ BTEX	NAPHTHALENE (8310)	REMARKS
SS-1	9/27	1515		/	E. BOTTOM	1	/				/	/	HEATING FUEL 2134
SS-2	"	1520		/	W. BOTTOM	1	/				/	/	2135
SS-3	"	1525	/		WALL COMP.	1	/				/	/	2136
SS-4	"	1530		/	BACKGROUND	1	/				/	/	2137
SS-5	"	1535	/		STOCKPILE	1	/				/	/	2138
SS-6	9/29	930		/	BACKGROUND	1	/				/	/	2139
SS-7	"	935		/	N. BOTTOM	1	/				/	/	2140
SS-8	"	940		/	S. BOTTOM	1	/				/	/	2141
SS-9	"	945	/		WALL COMP.	1	/				/	/	2142
SS-10	"	950	/		STOCKPILE	1	/				/	/	2143
FB-27	9/27				FIELD BLANK-27	3	/	X			/	/	2144
FB-29	9/29				FIELD BLANK-29	3	/	X			/	/	2145
TRIPBL	"				TRIP BLANK	3	/	X			/	/	2146
TEMP.	"				TEMPERATURE VOA	1							= 0.9°C, ice visible, no C.O.C. seals
					* No bottle rec'd for 3550/9015								

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)
Mark J Augustyniak	9/30 800				
RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED for Laboratory BY: (Signature)	DATE / TIME	REMARKS:	
Federal Express	10/1/94 11:10	Nancy Hoke	10/1/94 11:10		

Appendix B

UST Certificate of Disposal

SOUTHERN TANK & ENVIRONMENTAL, INC.

Addendum to Federal/Certificate #

56-1669418/10053

U.S. Army Reserve Center
Albermarle, North Carolina

UST Size 550 gallon UST # STDS-3899

Date Transported 10/3/94 Arcom-2

Miles to Tank Site 150 Miles to Disposal Site 150

Date of Initial Cut Certifying Disposal 10/4/94

Disposal Location: 319 Lawyers Rd. Hemby Bridge, N.C.

- Underground Storage Tanks disposed of in adherence to all Local, State & Federal Regulations.
- All Rinsate/Residuals are non-hazardous & disposed of properly.
- Manifests for disposal of Rinsate/Residuals available upon request.
- James Waste Oil is our agent for disposal of Rinsate/Residuals.
- Round-trip disposal of Rinsate/Residuals is 300 miles.
- All UST's are destroyed & leave disposal site as recyclable scrap.

10/4/94

4600 Park Rd. • Suite 1000 • Charlotte, N.C. • 28209

Appendix C

Meter Calibration Records

METER CALIBRATION RECORD

1. Organic Vapor Analyzer (OVA) Meter

   A. Date Last Calibrated: 9/26/94

   B. How Calibrated: 95 PPM METHANE GAS

   C. Any Problems: NO

2. Lower Explosive Limit Meter

   A. Date Last Calibrated: 9/26/94

   B. How Calibrated: 30% METHANE

   C. Any Problems: NO

3. Oxygen Meter

   A. Date Last Calibrated: 9/26/94

   B. How Calibrated: AMBIENT AIR

   C. Any Problems: NO

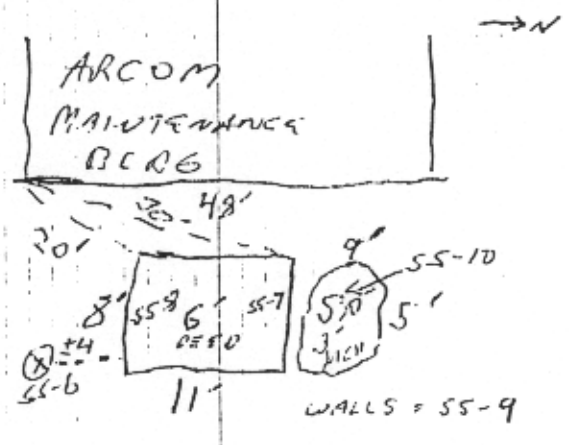
Appendix D

Field Notes

ARCOM
ALBEMARLE, NC

9/28/94
SUNNY 70°

0815	LEL = 0% O^2 = 17%		
0820	BEGIN EXCAVATION 3'x5' CONCRETE PAD OVER TANK		
~~0825~~			
845	OVA = 0 UNITS		
900	TANK OUT OF HOLE		
910	CHUCK WHEELER ARRIVES ON SITE		
920	UST LOADED ON DUMPTRUCK		
	SS-6	930	BACKGROUND
	SS-7	935	BOTTOM N
	SS-8	940	BOTTOM S
	SS-9	945	WALLS COMPOSITE
	SS-10	950	STOCKPILE 1
1000	BEGIN BACKFILLING HOLE		
1145	REMOVE CONCRETE-LOAD ON TRUCK		
	5 CY	FILL OBTAINED TO SITE	



60 MILES SOUTHERN TANK → ALBEMARLE

130 MILES ALBEMARLE → FAYETTEVILLE

Appendix E

GW/UST-2 Form

GW/UST-2 Site Investigation Report For Permanent Closure or Change-in-Service of U.S.T.

FOR TANKS IN **NC**

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location. [SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only
I.D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

Owner Name: U.S. Army Reserves
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 1816 East Main Street
County: Stanley
City: Albermarle State: NC Zip Code: 28001
Telephone Number: (704) 982-4815
(Area Code)

II. Location of Tank(s)

Facility Name: U.S. Army Reserve Center
(or Company)
Facility ID # (if available):
Street Address 1816 East Main Street
(or State Road)
County: Stanley City: Albermarle Zip Code: 28001
Telephone Number: (704) 982-4815
(Area Code)

III. Contact Person

Name: Barry Moore Job Title: Tel. No.: (704)982-4815
Closure Contractor: E.T.I. Address: 311-J South Westgate Dr., Greensboro, NC27407 Tel. No. 910-299-9998
Primary Consultant: Address: Tel. No.:
Lab: Carr Labs, Inc. Address: 919 True St., Columbia, SC 29209 Tel. No.: 803-776-7789

IV. U.S.T. Information / V. Excavation Condition

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	500	4'X6'	Heating Fuel		X		X		X

VI. Additional Information Required

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

NOTE: The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan.1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

VII. Check List (Check the activities completed)

PERMANENT CLOSURE (For Removing or Abandoning-in-place)

- [ ] Contact local fire marshal.
- [X] Notify DEM Regional Office before abandonment.
- [ ] Drain & flush piping into tank.
- [X] Remove all product and residuals from tank.
- [X] Excavate down to tank.
- [X] Clean and inspect tank.
- [ ] Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
- [ ] Cap or plug all lines except the vent and fill lines.
- [X] Purge tank of all product & flammable vapors.
- [X] Cut one or more large holes in the tanks.
- [X] Backfill the area.

Date Tank(s) Permanently closed: 9/28/94
Date of Change-In-Service: _____

ABANDONMENT IN PLACE

- [ ] Fill tank until material overflows tank opening.
- [ ] Plug or cap all openings.
- [ ] Disconnect and cap or remove vent line.
- [ ] Solid inert material used - specify: _____

REMOVAL

- [X] Create vent hole.
- [X] Label tank.
- [X] Dispose of tank in approved manner.

Final tank destination: Southern Tank and Environmental, Inc. Charlotte, NC

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
Michael J. Lamore, VP		

Appendix F

GW/UST-3 Form

GW/UST-3 Notice of Intent: UST Permanent Closure or Change-In-Service

FOR TANKS IN **NC**

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only
I. D. Number _____
Date Received _____

INSTRUCTIONS
Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: Army Reserve Center
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 1816 East Main Street
County: Stanley County
City: Albermarle State: NC Zip Code: 28001-5332
Tel. No. (Area Code): (704) 982-4815

II. LOCATION OF TANK(S)

Facility Name or Company: ARCOM - Albermarle
Facility ID # (if available): N/A
Street Address or State Road: 1816 East Main Street
County: Stanley City: NC Zip Code: 28001-5332
Tel. No. (Area Code): (704) 982-4815

III. CONTACT PERSON

Name: Barry Moore Job Title: _____ Telephone Number: (704) 982-4815

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

1. Contact Local Fire Marshall.
2. Plan the entire closure event.
3. Conduct Site Soil Assessments.
4. If Removing Tanks or Closing in Place refer to API Publications 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks".
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
7. The **site assessment** portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After January 1, 1994, **all closure site assessment reports must be signed and sealed by a P.E. or L.G.**
8. Keep closure records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: Environmental Technology of N.A., Inc. (ETI)
Address: 311-J South Westgate Drive State: NC Zip Code: 27407
Contact: Mark Augustyniak Phone: (910) 299-9998
Primary Consultant: ETI Phone: (910) 299-9998

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY: CLOSURE – Removal	CLOSURE – Abandonment In Place	CHANGE-IN-SERVICE – New Contents Stored
_____	500 Gallons	Fuel Oil	X		
_____					
_____					
_____					
_____					
_____					
_____					
_____					
_____					

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title
Mark Augustyniak PM/Staff Geologist
*Scheduled Removal Date: _____
Signature: Mark Augustyniak
Date Submitted: 8/31/94

*If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

GW/UST-3 (Rev.12/01/93) White Copy - Regional Office Yellow Copy - Central Office Pink Copy - Owner

Appendix G

Site Sensitivity Evaluation

Table 2

Site Sensitivity Evaluation (SSE)

Initial Cleanup Level (Step 2) — Final Cleanup Level (Step 3)

EPA Method 5030 for Low Boiling Point Hydrocarbons such as Gasoline, Aviation Fuels, Gasohol

Total Site Characteristics Score	Initial Cleanup Level TPFH (ppm)
>150	≤10
121-150	20
91-120	40
61-90	60
31-60	80
0-30	100

Select Site Category* →

Final Cleanup Level				
Category A & B (Multiply initial cleanup level by 1)	1	x ____	= ____	ppm
Category C & D (Multiply initial cleanup level by 2)	2	x 80	= 160	ppm
Category E (Multiply initial cleanup level by 3)	3	x ____	= ____	ppm

EPA Method 3550 for High Boiling Point Hydrocarbons such as Kerosene, Diesel, Varsol, Mineral Spirits, Naphtha

Total Site Characteristics Score	Initial Cleanup Level TPFH (ppm)
>150	≤40
121-150	80
91-120	160
61-90	240
31-60	320
0-30	400

Select Site Category* →

Final Cleanup Level				
Category A & B (Multiply initial cleanup level by 1)	1	x ____	= ____	ppm
Category C & D (Multiply initial cleanup level by 2)	2	x 320	= 640	ppm
Category E (Multiply initial cleanup level by 3)	3	x ____	= ____	ppm

EPA Method 9071 for Heavy Fuels - Oil & Grease (O&G) such as Fuel Oil #4, #5, #6, Motor Oil, Hydraulic Fluid

Total Site Characteristics Score	Initial Cleanup Level O&G (ppm)
>150	≤250
121-150	400
91-120	550
61-90	700
31-60	850
0-30	1000

Select Site Category* →

Final Cleanup Level				
Category A & B (Multiply initial cleanup level by 1)	1	x ____	= ____	ppm
Category C & D (Multiply initial cleanup level by 2)	2	x ____	= ____	ppm
Category E (Multiply initial cleanup level by 3)	3	x ____	= ____	ppm

* See Site Category Descriptions, Table 3

Table 1

Site Sensitivity Evaluation (SSE)

Site Characteristics Evaluation (Step 1)

Characteristic	Condition	Rating	
Grain Size*	Gravel Sand Silt Clay	150 100 50 0	50
Are relict structures, sedimentary structures, and/or textures present in the zone of contamination and underlying "soils"?	Present and intersecting the water table. Present but not intersecting the water table. None present.	10 5 0	0
Distance from location of deepest contaminated soil** to water table.	0 -5 feet (C, D & E sites only) 5 - 10 feet >10 - 40 feet > 40 feet	20 20 10 0	10
Is the top of bedrock or transmissive indurated sediments located above the water table?	Yes No	20 0	0
Artificial conduits present within the zone of contamination.	Present and intersecting the water table. Present but not intersecting the water table. Not present.	10 5 0	0

Total Site Characteristics Score: 60

* **Predominant** grain size based on Unified Soil Classification System or U.S. Dept. of Agriculture's Soil Classification Method.

** (>10 ppm TPFH by Method 5030; >40 ppm TPFH by Method 3550; >250 ppm O&G by Method 9071)

UNITED STATES ARMY RESERVE
81ST REGIONAL READINESS COMMAND

US Army Reserve Center
Albemarle, North Carolina
(NC001)

INVESTIGATIONAL SOIL SAMPLING REPORT

FINAL REPORT

Conducted by:

EEG, INC.
10179 Highway 78
Ladson, SC 29456
(843) 879-0400

August 2006

US ARMY RESERVE CENTER – ALBEMARLE, NC
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 Albemarle, North Carolina (NC001). These samples are for informational purposes to determine presence or absence of soil contaminants. Samples were analyzed for the presence of hydrocarbons (oil and grease) using TPH (Total Petroleum Hydrocarbons) analytical methods at the existing oil/water separator (OWS) located near the vehicle wash rack. Soil bores were marked on the north and south sides of the OWS. Samples were taken at various depths for comparable data.

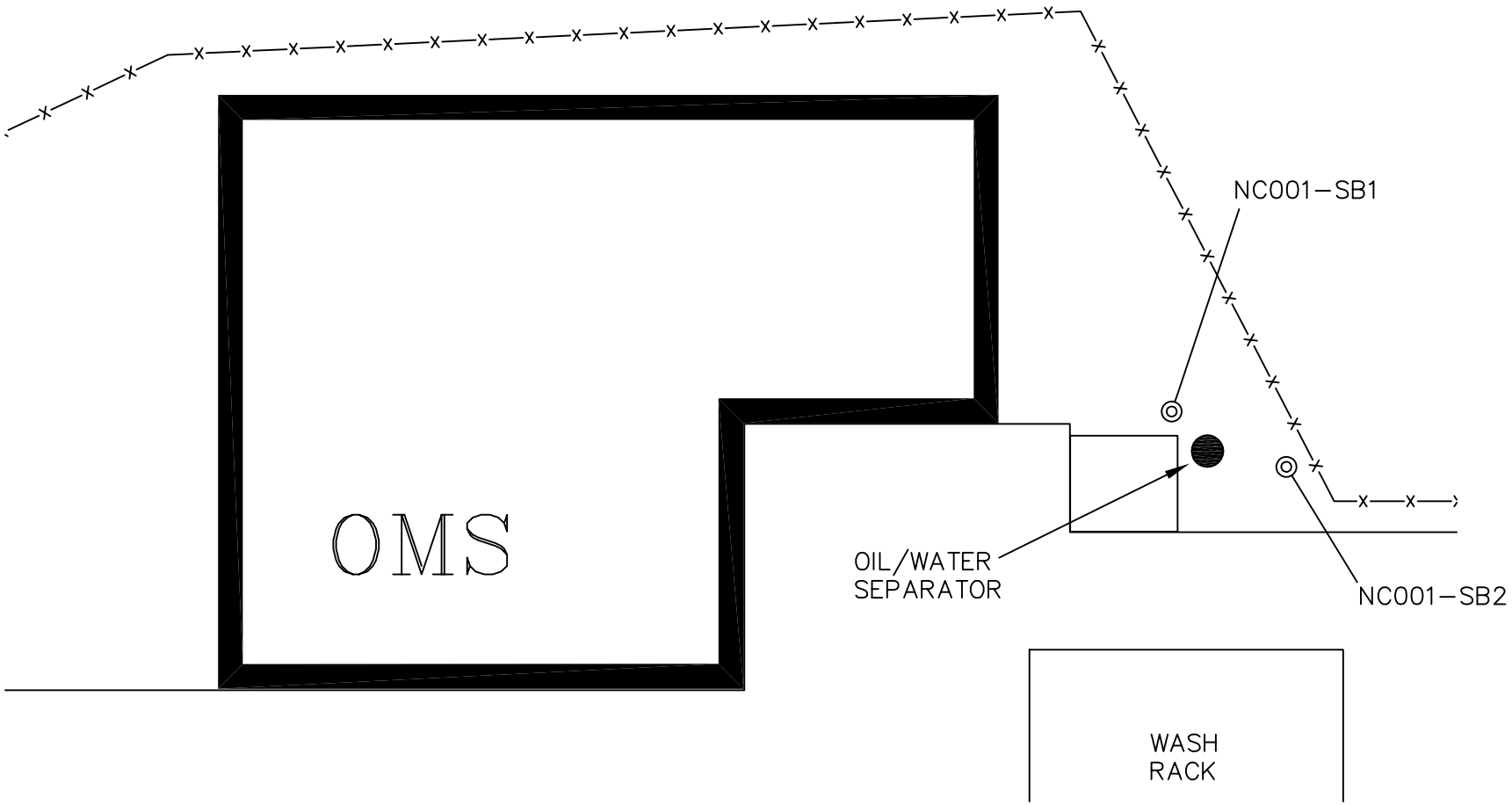
Weather was hot and humid with an approximate temperature of 93 degrees. Soil Bore 1 was located approximately 8 feet north of the OWS and was sampled at approximately 3, 6, and 12-foot depths. Soil Bore 2 was located approximately 12 feet south of the OWS and sampled at approximately 3, 6, and 11-foot depths.

Levels on SB1 were lowest at 3 feet and highest at 6 feet. Levels on SB2 were lowest at 3 feet and highest at 6 and 11 feet. See chart below for sample results.

Figure 1 shows the soil sample locations and the laboratory results are attached to the end of this report.

Soil Sampling Results

Approx. Depth	Soil Bore **SB1** Results	Soil Bore **SB2** Results
(in feet)	(oil & grease in mg/kg)	(oil & grease in mg/kg)
3	165	195
6	309	317
12, 11	259	317



LEGEND

SAMPLE NUMBER NC001–XXX

SAMPLE LOCATION ◎

Environmental Enterprise Group, Inc. **10179 Hwy 78** **Ladson SC 29456** **(843) 879-0400**		**FIGURE 1** **US ARMY RESERVE CENTER** **ALBEMARLE, NC** **OIL/WATER SEPARATOR** **SOIL SAMPLES**
SCALE: NTS	**DWG DATE:** 8-AUG-06	**DWG NAME:** 06AUG_ALBEMARLE_OWS

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

August 16, 2006

Client: EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456
Attn: Mark Moltzen

Work Order: NPH0255
Project Name: EEG - North Carolina Projects
Project Nbr: 06081/OWS Soil Sampling - 81st RRC
P/O Nbr:
Date Received: 08/02/06

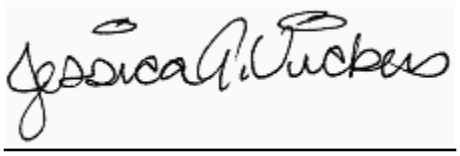
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
NC001-SB1-001	NPH0255-01	07/28/06 10:22
NC001-SB1-002	NPH0255-02	07/28/06 10:40
NC001-SB1-003	NPH0255-03	07/28/06 10:58
NC001-SB2-001	NPH0255-04	07/28/06 11:13
NC001-SB2-002	NPH0255-05	07/28/06 11:24
NC001-SB2-003	NPH0255-06	07/28/06 11:47

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.

North Carolina Certification Number: 387

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

Report Approved By:



Jessica Vickers
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:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH0255-01 (NC001-SB1-001 - Soil) Sampled: 07/28/06 10:22								
General Chemistry Parameters								
% Dry Solids	**83.4**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**165**		mg/kg dry	45.9	1	08/10/06 13:59	SW846 9071B	6081345
Sample ID: NPH0255-02 (NC001-SB1-002 - Soil) Sampled: 07/28/06 10:40								
General Chemistry Parameters								
% Dry Solids	**93.8**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**309**		mg/kg dry	49.9	1	08/10/06 13:59	SW846 9071B	6081345
Sample ID: NPH0255-03 (NC001-SB1-003 - Soil) Sampled: 07/28/06 10:58								
General Chemistry Parameters								
% Dry Solids	**75.4**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**259**		mg/kg dry	49.9	1	08/10/06 13:59	SW846 9071B	6081345
Sample ID: NPH0255-04 (NC001-SB2-001 - Soil) Sampled: 07/28/06 11:13								
General Chemistry Parameters								
% Dry Solids	**76.5**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**195**		mg/kg dry	48.8	1	08/10/06 13:59	SW846 9071B	6081345
Sample ID: NPH0255-05 (NC001-SB2-002 - Soil) Sampled: 07/28/06 11:24								
General Chemistry Parameters								
% Dry Solids	**90.0**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**317**		mg/kg dry	49.5	1	08/10/06 13:59	SW846 9071B	6081345
Sample ID: NPH0255-06 (NC001-SB2-003 - Soil) Sampled: 07/28/06 11:47								
General Chemistry Parameters								
% Dry Solids	**83.5**		%	0.500	1	08/11/06 09:45	SW-846	6081776
Oil & Grease (HEM)	**317**		mg/kg dry	49.5	1	08/10/06 13:59	SW846 9071B	6081345

TestAmerica
ANALYTICAL TESTING CORPORATION
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Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
General Chemistry Parameters							
SW846 9071B	6081345	NPH0255-01	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil
SW846 9071B	6081345	NPH0255-02	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil
SW846 9071B	6081345	NPH0255-03	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil
SW846 9071B	6081345	NPH0255-04	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil
SW846 9071B	6081345	NPH0255-05	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil
SW846 9071B	6081345	NPH0255-06	10.00	1.00	08/08/06 09:45	BAD	EPA 9071B-Soil

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Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6081345-BLK1						
Oil & Grease (HEM)	<44.0		mg/kg wet	6081345	6081345-BLK1	08/10/06 13:58

TestAmerica
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Client	EEG - Env. Enterprise Group (2449)	Work Order:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6081345-DUP1									
Oil & Grease (HEM)	77300	419	R2	mg/kg wet	198	50	6081345	NPH0667-01	08/10/06 13:59

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:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6081345-BS1								
Oil & Grease (HEM)	4000	3870		mg/kg	97%	81 - 107	6081345	08/10/06 13:59

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:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

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										
6081345-MS1										
Oil & Grease (HEM)	77300	4000	M2	mg/kg	4000	-1832%	38 - 149	6081345	NPH0667-01	08/10/06 13:59

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:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	North Carolina
SW846 9071B	Soil	N/A	X	X
SW-846	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:	NPH0255
	10179 Highway 78	Project Name:	EEG - North Carolina Projects
	Ladson, SC 29456	Project Number:	06081/OWS Soil Sampling - 81st RRC
Attn	Mark Moltzen	Received:	08/02/06 08:10

DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

R2 The RPD exceeded the acceptance limit.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPH0255

Cooler Received/Opened On 8/2/06 8:10

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 5831

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 5.3 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (102594)

3. Were custody seals on outside of cooler?..... (YES)...NO....NA

a. If yes, how many and where: 1 Front

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)..... JR

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)..... WS

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)..... WS

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)..... WS

I certify that I attached a label with the unique LIMS number to each container (intial)..... WS

19. Were there Non-Conformance issues at login YES (NO) Was a PIPE generated YES NO #_____

BIS = Broken in shipment

TestAmerica INCORPORATED

NPH0255

08/16/06 23:59

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: EEG Client #: 2449

Address: 10179 Hwy 78

City/State/Zip Code: LADSON, SC 29456

Project Manager: M. MOLTZEN

Telephone Number: 843 412-2086 Fax: 843-879-0401

Sampler Name: (Print Name) MARK A. MOLTZEN

Sampler Signature: Mark A Moltzen

Project Name: OWS SOIL SAMPLING - 81ST RRC

Project #: 06081

Site/Location ID: ALBEMARLE (NC001) State: NC

Report To: MOLTZEN@EEGINC.NET

Invoice To: ____

Quote #: ____ PO#: ____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	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	REMARKS
NC001-SB1-001	7/28/06	1022	G		S						X		X		3' NPH 0255-01
NC001-SB1-002	7/28/06	1040	G		S						X		X		6' -02
NC001-SB1-003	7/28/06	1058	G		S						X		X		12' -03
NC001-SB2-001	7/28/06	1113	G		S						X		X		3' -04
NC001-SB2-002	7/28/06	1124	G		S						X		X		6' -05
NC001-SB2-003	7/28/06	1147	G		S						X		X		11' -06

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By: Mark A Moltzen	8/1/06	1053	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	8/2/06	8:10

Table 5 – OWS Functionality Problems and Recommendations

Area	Facility ID	Facility Name	Location	Date of Previous Cleaning	Functionality Problem	Recommended Action
1	KY003	Nelson County USARC	Bardstown, KY	2004	None	None
	KY028	Ft. Thomas USARC	Ft. Thomas, KY	Unknown	None	None
	KY094	Lexington USARC	Lexington, KY	Unknown	None	None
	TN001	Chattanooga USARC	Chattanooga, TN	Unknown	None	None
	TN004	AMSA 147	Greenville, TN	5/02	Discharge from OWS to sewer is clogged preventing the OWS from draining. Facility personnel indicate this was also a problem during the last cleaning in 2002.	Unclog and/or repair the line from the OWS to the sewer.
	TN010	AMSA 148	Knoxville, TN	Never Cleaned (Installed 2000)	None	None
	TN017	Oak Ridge USARC	Oak Ridge, TN	Never Cleaned (Installed 2001)	None	None
	TN111	AMSA-142	Chattanooga, TN	2004	None	None
2	NC001	Jessie Nevins USARC	Albemarle, NC	Unknown	OWS appears to be functioning properly but the parking lot is graded such that rainwater form the parking lot flows into the washrack sump and OWS, therefore allowing stormwater to infiltrate and discharge through the OWS into the sanitary sewer which may be in violation of the local sewer use ordinance.	Review local ordinance and see if this is permissible. If not, apply for a waiver or execute a project to prevent stormwater from entering the sewer.
	NC004	Walter Hatch Lee USARC	Ashville, NC	3/02	None	None
	NC019	Garner USARC	Garner, NC	Unknown	None	None
	NC022	Greensboro USARC	Greensboro, NC	Unknown	OWS appears to be functioning properly but has no overhead cover, only an open metal grate, therefore allowing stormwater to infiltrate and discharge through the OWS into the sanitary sewer which may be in violation of the local sewer use ordinance.	Review local ordinance and see if this is permissible. If not, apply for a waiver or execute a project to prevent stormwater from entering the sewer.
	NC031	Kinston USARC	Kinston, NC	Unknown	None	None
	NC038	Ft. Rucker USARC	Raleigh, NC	2004	None	None
	NC039	Rocky Mount USARC	Rocky Mount, NC	Unknown	OWS is full of water and does not drain properly.	Have a plumber inspect and repair so the OWS discharge to sewer is clear.
	NC040	Uriah Lucas USARC	Salisbury, NC	Unknown	None	None
	NC045	Wilmington USARC	Wilmington, NC	Unknown	None	None
	NC046	Wilson USARC	Wilson, NC	Est. 2002	None	None
	NC049	Thomas B. Smothers USARC	Winston-Salem, NC	Unknown	OWS appears to be functioning properly but the parking lot is graded such that rainwater form the parking lot flows into the washrack sump and OWS, therefore allowing stormwater to infiltrate and discharge through the OWS into the sanitary sewer which may be in violation of the local sewer use ordinance.	Review local ordinance and see if this is permissible. If not, apply for a waiver or execute a project to prevent stormwater from entering the sewer.

JESSE F. NIVENS USAR CENTER →

No.: 41502

1501 Baptist World Ctr. Dr.
Nashville, TN 37207
(615) 228-3901

41502
6/3/2005

LIQUID WASTE MANIFEST

CISWO# 20601

EMERGENCY PHONE NUMBER
(615) 228-3901

PO# _____

GENERATOR INFORMATION

Business Name: US Army Reserve Center #NC001

Address: 1816 East Main Street City: Albemarle State: NC Zip: 28001533

Phone: (704) 982-9378 ext Customer Billing: Nist Environmental Services

Waste Tank or Trap Capacity: _____ Gallons Pump Freq: _____

Waste From: _____ Grease Trap _____ Grit Trap N012-2 Other Solids and/or Liquids/Sludges
DESCRIBE TYPE AND SOURCE

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE WASTE MATERIAL REMOVED FROM THE ABOVE PREMISES CONTAINS NO HAZARDOUS MATERIALS.

Baker, Jason C.
NAME (Please Print)

7/28/05
Date Serviced

_____
Time In

Jason C. Baker
Signature

Sample No.: _____ Permit No.: _____

TRANSPORTER INFORMATION

Transporter Business Name: Combs Industrial Services,Inc. EPA# TND98-209-0888

Address: 1501 Baptist World Center Drive City: Nashville, State: TN Zip: 37207

Phone: (615) 228-3901

Truck License Number: 93905 HY Tractor / Trailer #: 43 25

Gallons Received: 1,890 Vehicle Permit Number: _____

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS CORRECT AND THAT ONLY THE TYPE WASTE SPECIFIED IS CONTAINED IN THE SERVICING VEHICLE.

Dennis Townsend
DRIVER NAME (Please Print)

7/28/05
Date Serviced

_____
Time Out

Dennis Townsend
Signature

DISPOSAL INFORMATION

Business Name: Green Tree Processing/Combs Industrial Services

Address: 1501 Baptist World Center Drive Telephone: (615) 228-3901

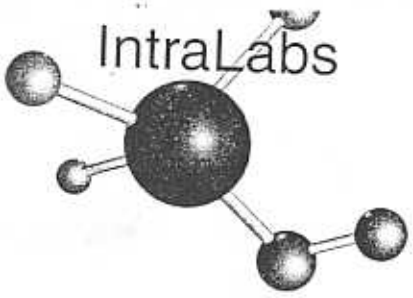
Gallons Received: 1890 Sample No.: _____

8/3/05
Date and Time Waste Received

Disposal Site Operator's Signature

Rejected: (Explain) _____ Accepted: ☒

COMBS INDUSTRIAL • OFFICE COPY



Analytical Report

IntraLabs, Inc. is pleased to provide the following analytical report associated with the following site / project:

Client: Nist Environmental

Project Manager: John Nist

Project: Jesse F. Niven Jr. USAR Center

Laboratory Number: M05-6807

P.O.

Respectfully Submitted,

Thomas A. Carr
Principal

1909 Southampton Rd. • Jacksonville, FL 32207 • Phone: (904) 396-6868 • Fax: (904) 396-3933

SEVERN TRENT STL®

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10200 USA Today Way
Miramar, FL 33025

Tel: 954 431 4550 Fax: 954 431 1959
www.stl-inc.com

ANALYTICAL REPORT

Job#: M05-6807

STL Project#: MA4A0002
Site Name: N/A
Task: NIST-Jesee F. Niven Jr. USAR Center

John Nist
NES Inc.
2342 Park Street
Jacksonville, FL 32204

STL - Miami (Miramar)

Nesbhah Castaneda
Project Manager

08/04/2005

STL Miami Certifications

State	Certification Number
Florida	E86349
Florida	E86616
Alabama	41180
Puerto Rico	FL00535
USDA Soil Permit	S-70051

Data Qualifier Codes

A Value reported is the mean value of two or more determinations.

B Results based on colony counts outside the acceptable range. The code applies to microbiological tests and specifically to membrane filter colony counts. This code is to be used if the colony count is generated from a plate in which the total number of colonies exceeds the method indicated ranges.

F When reporting species, F indicates the female sex

H Value based on field kit determinations, results may not be accurate. This value is used when the results have been determined using a field kit or method that has not been recognized by the Department as equivalent to EPA methods

J Estimated value. This code may be used if the surrogate exceeded limits, no known quality control criteria exists for the component, the reported valued failed to meet established quality control limits, if the sample matrix interfered with the ability to make an accurate determination, or if the data is questionable because of improper laboratory or field protocols. The "J" values is accompanied by a comment or justification for it's use.

K Off-scale, low. Actual value is known to be less than the reported value. This value is used if the value is less than the lowest calibration standard and the calibration curve is non-linear or if the value is known to be less than the reported value based on size, sample dilution or some other variable.

L Off-scale high. The value is known to be greater than the value given. This value is used when the reported value is greater than the acceptable level for quantitation (exceeded the linear range of the calibration) and the calibration curve is known to exhibit a negative deflection.

When reporting chemical analyses: the presence of material is verified but not quantified, the actual value is less than the value given. The reported value shall be the laboratory PQL. This code is used if the actual value is too low to permit accurate quantification.

N Presumptive evidence of the presence of a material. This code is used if the component has been determined using a mass spectral library search or if there is evidence that the analyte is present but the quality control requirements were not met.

O Sampled, but the analysis was lost or not performed.

Q Sample was held beyond the acceptable holding item.

T The value reported was less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used for statistical analysis.

U Indicates the compound was analyzed for but not detected. The value associated with the qualifier shall be the laboratory method detection limit.

V Indicated the analyte was detected in both the sample and the associated method blank. The value in the method blank is not subtracted from the associated samples

Y The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate

Z Too many colonies were present (TNTC), the numeric value represents the filtration volume

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

? Data was rejected and should not be used. Some or all of the quality control data for the analyte were outside of control criteria and the presence or absence of the analyte cannot be determined

* Not analyzed due to interference.

D When utilized with field sample results, measurement was made in the field.

D When utilized with surrogates, D indicates surrogates were diluted out of the sample.

E Indicates extra samples were taken at composite stations

R Significant rain in the past 48 hours. Rainfall amounts may contribute to a lower than normal value

! Deviates from historically established concentration ranges

NOTE Estimated uncertainty is available upon written request to the laboratory.

NON-CONFORMANCE SUMMARY

Job#: M05-6807

STL Project#: MA4A0002
Site Name: N/A

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page. Unless otherwise indicated, test results included within the report met all the requirements of NELAC.

Soil, sediment and sludge sample results are reported on "wet weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

M05-6807
Sample Cooler(s) were received at the following temperature(s); 4 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Unless otherwise specified, all analyses were performed by STL Miami, 10200 USA Today Way, Miramar, FL 33025. Inquiries regarding this report may be directed to the project manager.

Sample ID: NC001 B
Lab Sample ID: M5680703
Date Collected: 07/28/2005
Time Collected: 14:00

Date Received: 08/01/2005
Project No: MA4A0002
Client No: 002065
Site No: N/A

Parameter	Result	Flags	MDL	Detection Limit	Units	Method	Date Analyzed	Int
AQUEOUS-SW8463 8260 - BTEX + MTBE								
Benzene	0.37	U	0.37	1.0	UG/L	8260	08/01/05	MG
Ethylbenzene	0.54	U	0.54	1.0	UG/L	8260	08/01/05	MG
Methyl tert butyl ether	0.54	U	0.54	1.0	UG/L	8260	08/01/05	MG
Toluene	0.68	U	0.68	1.0	UG/L	8260	08/01/05	MG
Total Xylenes	0.57	U	0.57	3.0	UG/L	8260	08/01/05	MG
Surrogates								
1,2-Dichloroethane-D4	124			QC Lmts: 70-130	%	8260	08/01/05	MG
Dibromofluoromethane	113			QC Lmts: 70-130	%	8260	08/01/05	MG
p-Bromofluorobenzene	103			QC Lmts: 70-130	%	8260	08/01/05	MG
Toluene-D8	95			QC Lmts: 70-130	%	8260	08/01/05	MG

Sample ID: NC001 0
Lab Sample ID: M5680701
Date Collected: 07/28/2005
T ollected: 14:00

Date Received: 08/01/2005
Project No: MA4A0002
Client No: 002065
Site No: N/A

Parameter	Result	Flags	MDL	Detection Limit	Units	Method	Date Analyzed	Int
Wet Chemistry Analysis								
HEM Oil & Grease	2.2		0.72	2.0	MG/L	1664	08/03/05	JB

Sample ID: NC001 T
LED Sample ID: M5680702
Date Collected: 07/28/2005
Time Collected: 14:00

Date Received: 08/01/2005
Project No: MA4A0002
Client No: 002065
Site No: N/A

Parameter	Result	Flags	MDL	Detection Limit	Units	Method	Date Analyzed	Int
Wet Chemistry Analysis								
Total Suspended Solids	3.1	U	3.1	5.0	MG/L	160.2	08/03/05	FXD

METHOD 8260 - BTEX + MTBE

Client Sample ID Job No & Lab Sample ID	NC001 B M05-6807 M5680703				
Sample Date	07/28/2005 14:00				
Received Date	08/01/2005 08:00				
Extraction Date					
Analysis Date	08/01/2005 17:15				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

SAMPLE CHRONOLOGY

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matr
M5680701	NC001 O	MG/L	HEM Oil & Grease	1664	1.00	07/28/2005 14:00	08/01 08:00	NA	NA	08/03 10:00	Yes	WATE
M5680702	NC001 T	MG/L	Total Suspended Solids	160.2	1.00	07/28/2005 14:00	08/01 08:00	NA	NA	08/03 09:00	Yes	WATE

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

(CA) M05-6807 Chain of Custody Record (577)

Company: NIST Environmental Services

Address: 2342 Rukst. Jacksonville, FL 32204

Phone: (904) 612-7013 Fax:

Sampled by (Print Name(s)) / Affiliation: PAUL MELLON

Project Manager: Tom NIST

Sampler(s) Signature(s): Paul Mellon

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868 • Fax: (904) 396-3933

Page 1 of 1

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.: NC001 Alternate
Project Name: Jesse F. Nolen Jr. USA
Sampling CompQAP No.:
Approval Date:
REQUESTED DUE DATE: / /

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Analyses Requested: OIT + Grease TRPH 10804	TSS	BTEX/MTBE EPA 8260	Remarks	Lab. No
1	NC001 O	7/28/05	1400	G	O	1	X				
2	NC001 T	7/28/05	1400	G	O	1		X			
3	NC001 B	7/28/05	1400	G	O	3			X		

Shipment Method: FedEx 8516-6329-6050
Out: / / Via
Returned: / / Via

Total Number of Containers → 5

Preservatives (see codes): S I H

Additional Comments:
851663296050

Item No.	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
1-3	PAUL MELLON	7/28/05	1400		8/1/05	0800

Cooler No. (s) / Temperature(s) (°C): 4° C
Sampling Kit No.:
Equipment ID No.:

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = (specify)

NCDENR
North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Division of Waste Management
Underground Storage Tank Section

Dexter R. Matthews, Director

September 18, 2006

US Army
Building 13000 Jackson Boulevard
Fort Jackson, South Carolina 29207
Attention: Michelle Hook

Re: Notice of Regulatory Requirements
15A NCAC 2L .0404 and 2L .0405
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

US Army Reserve Center
1816 East Main Street
Albemarle, North Carolina
Stanly County
Incident Number: 14049
Risk Classification: Pending
Ranking: Pending

Dear Ms. Hook:

Information received by this office on January 9, 1995 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner and operator of this UST system. Therefore, as a responsible party, you must comply with the initial response and abatement action requirements of Title 15A NCAC 2L .0404 and, if applicable, the assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rules.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the

UST Section Trust Fund Branch at (919) 733-8486. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely,

Dan Graham

Dan Graham
Hydrogeologist
Mooresville Regional Office

Enclosures: Title 15A NCAC 2L .0404 and 2L .0405
A Brief History of North Carolina Session Laws, Rules, and General Statutes…

cc: Stanly County Health Department

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 585 Waughtown Street, Winston-Salem, NC 27107 **(336) 771-5000**

Guilford County Environmental Health, 1203 Maple Street, Greensboro, NC 27405, **(336) 641-3771**

Usarc.lsanorr

SECTION .0400 - RISK-BASED ASSESSMENT AND CORRECTIVE ACTION FOR PETROLEUM UNDERGROUND STORAGE TANKS

15A NCAC 02L .0401 PURPOSE AND SCOPE

(a) The purpose of this Section is to establish procedures for risk-based assessment and corrective action sufficient to:

(1) protect human health and the environment;

(2) abate and control contamination of the waters of the State as deemed necessary to protect human health and the environment;

(3) permit management of the State's groundwaters to protect their designated current usage and potential future uses;

(4) provide for anticipated future uses of the State's groundwater;

(5) recognize the diversity of contaminants, the State's geology and the characteristics of each individual site; and

(6) accomplish these goals in a cost-efficient manner to assure the best use of the limited resources available to address groundwater pollution within the State.

(b) The applicable portions of Section .0100 not specifically excluded apply to this Section.

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Recodified from 15A NCAC 02L .0115(a);
Amended Eff. December 1, 2005.

15A NCAC 02L .0402 DEFINITIONS

The definitions as set out in 15A NCAC 02L .0102 apply to this Section.

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Eff. December 1, 2005.

15A NCAC 02L .0403 RULE APPLICATION

This Section applies to any discharge or release from a "commercial underground storage tank" or a "noncommercial underground storage tank," as those terms are defined in G.S. 143-215.94A, which is reported on or after the effective date of this Section. This Section shall apply to any discharge or release from a "commercial underground storage tank" or a "noncommercial underground storage tank," as those terms are defined in G.S. 143-215.94A which is reported before the effective date of this Section as provided in 15A NCAC 02L .0416 of this Section. The requirements of this Section shall apply to the owner and operator of the underground storage tank from which the discharge or release occurred, a landowner seeking reimbursement from the Commercial Leaking Underground Storage Tank Fund or the Noncommercial Leaking Underground Storage Tank Fund under G.S. 143-215.94E, and any other person responsible for the assessment or cleanup of a discharge or release from an underground storage tank, including any person who has conducted or controlled an activity which results in the discharge or release of petroleum or petroleum products as defined in G.S. 143-215.94A(10) to the groundwaters of the State, or in proximity thereto; these persons shall be collectively referred to for purposes of this Section as the "responsible party." This Section shall be applied in a manner consistent with the rules found in 15A NCAC 2N in order to assure that the State's requirements regarding assessment and cleanup from underground storage tanks are no less stringent than Federal requirements.

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Recodified from 15A NCAC 02L .0115(b);
Amended Eff. December 1, 2005.

15A NCAC 02L .0404 REQUIRED INITIAL ABATEMENT ACTIONS BY RESPONSIBLE PARTY

A responsible party shall:

(1) take immediate action to prevent any further discharge or release of petroleum from the underground storage tank; identify and mitigate any fire, explosion or vapor hazard; remove any free product; and comply with the requirements of Rules .0601 through .0604 and .0701 through .0703 and .0705 of Subchapter 02N;

(2) incorporate the requirements of 15A NCAC 02N .0704 into the submittal required under Item (3) of this Paragraph or the limited site assessment report required under 15A NCAC 02L .0405 of this Section, whichever is applicable. Such submittals shall constitute compliance with the reporting requirements of 15A NCAC 02N .0704(b);

(3) submit within 90 days of the discovery of the discharge or release a soil contamination report containing

information sufficient to show that remaining unsaturated soil in the side walls and at the base of the excavation does not contain contaminant levels which exceed either the "soil-to-groundwater" or the residential maximum soil contaminant concentrations established by the Department pursuant to 15A NCAC 02L .0411 of this Section, whichever is lower. If such showing is made, the discharge or release shall be classified as low risk by the Department;

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Recodified from 15A NCAC 02L .0115(c)(1)-(3);
Amended Eff. December 1, 2005.

15A NCAC 02L .0405 REQUIREMENTS FOR LIMITED SITE ASSESSMENT

If the required showing cannot be made under 15A NCAC 02L .0404 of this Section, submit within 120 days of the discovery of the discharge or release, or within such other greater time limit approved by the Department, a report containing information needed by the Department to classify the level of risk to human health and the environment posed by a discharge or release under 15A NCAC 02L .0406 of this Section. Such report shall include, at a minimum:

(1) a location map, based on a USGS topographic map, showing the radius of 1500 feet from the source area of a confirmed release or discharge and depicting all water supply wells and, surface waters and designated wellhead protection areas as defined in 42 U.S.C. 300h-7(e) within the 1500-foot radius. For purposes of this Section, source area means point of release or discharge from the underground storage tank system;

(2) a determination of whether the source area of the discharge or release is within a designated wellhead protection area as defined in 42 U.S.C. 300h-7(e);

(3) if the discharge or release is in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985, a determination of whether the source area of the discharge or release is located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer which is being used or may be used as a source of drinking water;

(4) a determination of whether vapors from the discharge or release pose a threat of explosion due to the accumulation of vapors in a confined space or pose any other serious threat to public health, public safety or the environment;

(5) scaled site map(s) showing the location of the following which are on or adjacent to the property where the source is located: site boundaries, roads, buildings, basements, floor and storm drains, subsurface utilities, septic tanks and leach fields, underground storage tank systems, monitoring wells, borings and the sampling points;

(6) the results from a limited site assessment which shall include:

(a) the analytical results from soil samples collected during the construction of a monitoring well installed in the source area of each confirmed discharge or release from a noncommercial or commercial underground storage tank and either the analytical results of a groundwater sample collected from the well or, if free product is present in the well, the amount of free product in the well. The soil samples shall be collected every five feet in the unsaturated zone unless a water table is encountered at or greater than a depth of 25 feet from land surface in which case soil samples shall be collected every 10 feet in the unsaturated zone. The soil samples shall be collected from suspected worst-case locations exhibiting visible contamination or elevated levels of volatile organic compounds in the borehole;

(b) if any constituent in the groundwater sample from the source area monitoring well installed in accordance with Sub-item (a) of this Item, for a site meeting the high risk classification in 15A NCAC 02L .0406(1), exceeds the standards or interim standards established in 15A NCAC 02L .0202 by a factor of 10 and is a discharge or release from a commercial underground storage tank, the analytical results from a groundwater sample collected from each of three additional monitoring wells or, if free product is present in any of the wells, the amount of free product in such well. The three additional monitoring wells shall be installed as follows: as best as can be determined, one upgradient of the source of contamination and two downgradient of the source of contamination. The monitoring wells installed upgradient and downgradient of the source of contamination must be located such that groundwater flow direction can be determined; and

(c) potentiometric data from all required wells;

(7) the availability of public water supplies and the identification of properties served by the public water supplies within 1500 feet of the source area of a confirmed discharge or release;

(8) the land use, including zoning if applicable, within 1500 feet of the source area of a confirmed discharge or release;

(9) a discussion of site specific conditions or possible actions which could result in lowering the risk classification assigned to the release. Such discussion shall be based on information known or required to be obtained under this Paragraph; and

(10) names and current addresses of all owners and operators of the underground storage tank systems for which a discharge or release is confirmed, the owner(s) of the land upon which such systems are located, and all potentially affected real property owners. When considering a request from a responsible party for additional time to submit the report, the Division shall consider the extent to which the request for additional time is due to factors outside of the control of the responsible party, the previous history of the person submitting the report in complying with deadlines established under the Commission's rules, the technical complications associated with assessing the extent of contamination at the site or identifying potential receptors, and the necessity for immediate action to eliminate an imminent threat to public health or the environment.

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Recodified from 15A NCAC 02L .0115(c)(4);
Amended Eff. December 1, 2005.

15A NCAC 02L .0406 DISCHARGE OR RELEASE CLASSIFICATIONS

The Department shall classify the risk of each known discharge or release as high, intermediate or low risk unless the discharge or release has been classified under 15A NCAC 02L .0404(3) of this Section. For purposes of this Section:

(1) "High risk" means that:
- (a) a water supply well, including one used for non-drinking purposes, has been contaminated by the release or discharge;
- (b) a water supply well used for drinking water is located within 1000 feet of the source area of a confirmed discharge or release;
- (c) a water supply well not used for drinking water is located within 250 feet of the source area of a confirmed discharge or release;
- (d) the groundwater within 500 feet of the source area of a confirmed discharge or release has the potential for future use in that there is no source of water supply other than the groundwater;
- (e) the vapors from the discharge or release pose a serious threat of explosion due to accumulation of the vapors in a confined space; or
- (f) the discharge or release poses an imminent danger to public health, public safety, or the environment.

(2) "Intermediate risk" means that:
- (a) surface water is located within 500 feet of the source area of a confirmed discharge or release and the maximum groundwater contaminant concentration exceeds the applicable surface water quality standards and criteria found in 15A NCAC 02B .0200 by a factor of 10;
- (b) in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985, the source area of a confirmed discharge or release is located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer which the Department determines is being used or may be used as a source of drinking water;
- (c) the source area of a confirmed discharge or release is within a designated wellhead protection area, as defined in 42 U.S.C. 300h-7(e);
- (d) the levels of groundwater contamination for any contaminant except ethylene dibromide, benzene and alkane and aromatic carbon fraction classes exceed 50 percent of the solubility of the contaminant at 25 degrees Celsius or 1,000 times the groundwater standard or interim standard established in 15A NCAC 02L .0202, whichever is lower; or
- (e) the levels of groundwater contamination for ethylene dibromide and benzene exceed 1,000 times the federal drinking water standard set out in 40 CFR 141.

(3) "Low risk" means that:
- (a) the risk posed does not fall within the high or intermediate risk categories; or
- (b) based on review of site-specific information, limited assessment or interim corrective actions, the Department determines that the discharge or release poses no significant risk to human health or the environment.

If the criteria for more than one risk category applies, the discharge or release shall be classified at the highest risk level identified in 15A NCAC 02L .0407 of this Section.

History Note: *Authority G.S. 143-215.2; 143-215.3(a)(1); 143-215.94A; 143-215.94E; 143-215.94T; 143-215.94V; 143B-282; 1995 (Reg. Sess. 1996) c. 648,s. 1;*
Recodified from 15A NCAC 02L .0115(d);
Amended Eff. December 1, 2005.

06/10/79 **The initial 2L rules**, "Classifications and Water Quality Standards Applicable to Groundwaters", adopted in Title 15A North Carolina Administrative Code (NCAC) 2L .0100 and .0200, pursuant to North Carolina General Statute (GS) 143-214.1, became effective. Groundwater quality policy, classifications, and standards were first established in these rules..

07/01/85 **Session Law (SL) 1985-551 (S831)**, titled "Underground Storage Tank Regulation-2" became law. This law required the State to develop and adopt standards and regulations to implement programs to prevent pollution from oil and hazardous substance underground storage tanks (USTs) pursuant to federal requirements resulting from the Resource Conservation and Recovery Act (RCRA), as amended inclusive of the Hazardous and Solid Waste Amendments of 1984.

06/30/88 **SL 1987-1035 (H1304)**, titled "Establish Leaking Tank Fund", became law. This law amended GS 143, Article 21A, by adding Part 2A, titled "Leaking Petroleum Underground Storage Tank Cleanup", which then consisted of GS 143-215.94A-M, thereby providing for the cleanups of environmental damage caused by leaking petroleum USTs.

07/15/89 **SL 1989-652 (H957)**, titled "Tank Cleanup Amendments", became law. This law amended GS 143, Article 21A, by adding a new Part 2B, titled "Underground Storage Tank Regulation", which then consisted of GS 143-215.94T. This law required the adoption and implementation of a regulatory program such that the Environmental Management Commission (EMC) adopt and the Department implement and enforce rules to regulate USTs.

01/01/91 **The initial 2N rules**, "Criteria and Standards Applicable to Underground Storage Tanks", adopted in Title 15A North Carolina Administrative Code (NCAC) 2N .0100- .0800 pursuant to North Carolina General Statutes and SL1989-652, became effective. The purpose of the 2N rules was 'to establish the technical standards and corrective action requirements for owners and operators of underground storage tank systems". The 2N rules incorporate by reference the Code of Federal Regulations.

02/01/93 **The initial 2P rules**, "Rules for the Administration of the Leaking Petroleum Underground Storage Tank Cleanup Funds", adopted in Title 15A North Carolina Administrative Code (NCAC) 2P .0100- .0400, pursuant to the requirements of North Carolina General Statutes, became effective. The purpose of the 2P rules was to establish criteria and procedures for the reimbursement of costs incurred by owners, operators, and landowners from the Leaking Petroleum UST Cleanup Funds.

07/05/95 **SL 1995-377 (S1012)**, titled "Underground Storage Tank Amends" became law. The purpose of this law was to improve the regulation of petroleum underground storage tanks and the cleanup of leaking petroleum underground storage tanks". This law added new sections to Part 2B, "UST Regulation" (GS 143-215.94V, U, W, X, and Y) and rewrote sections of Part 2A, "Leaking Petroleum Underground Storage Tank Cleanup". Section GS143-215-94V directed the Environmental Management Commission (EMC) to adopt rules which would implement a risk-based approach to assessment and cleanup of petroleum UST releases. It authorized the State to determine for each site of release cleanup standards based on acceptable levels of risk to human health and the environment. It specified that if no (or no further) cleanup is required at a specific site due to its level of risk, then further work performed at that site would not be reimbursed from the State Trust Funds. It directed the EMC to implement this risk-based approach to the maximum extent possible under the existing rules.

06/21/96 **SL 1995-648 (S1317)**, titled "Underground Storage Tank Amends '96", became law. This law provided for the continued solvency of the Leaking Petroleum UST Cleanup Fund and made other changes to the cleanup program. This law required DENR to rank petroleum UST incident sites according to priority related to impact or risk of impact to groundwater supply wells as A or B (highest priority) or as C, D, or E (lowest priority) and to temporarily suspend cleanup activities at petroleum UST incident sites ranked C, D, and E. The suspension became effective 07/21/96 and was to continue in effect until the adoption required in GS143-215.94V(b) of the risk-based rule (2L .0115). This law also required DENR to notify responsible parties of the ranking of sites and of the suspension of remediation and monitoring activities at C, D, and E sites.

The law authorized cleanup only at UST sites classed A and B. However, at all incident sites the responsible party was required to take immediate action to prevent further release, to identify and mitigate fire, explosion, and vapor hazards, and to remove free product, and at all incident sites the responsible party was required to submit information necessary to classify the risk of the incident.

07/21/96 **Temporary suspension of cleanup activities** began at petroleum UST incident sites classed C, D, and E, pending adoption of the risk-based rule, as directed by SL 1995-648 (S1317). Responsible parties for UST release incident sites with C, D, and E classifications were given notice that their cleanups were temporarily suspended.

01/02/98 **Temporary adoption of the risk-based Rule 2L .0115**, titled "Risk Based Assessment and Corrective Action for Petroleum Underground Storage Tanks" was effective, thereby fulfilling the requirements of GS 143-215.94V and SL 1995-648 (S1317). The new rule 2L .0115 specified a risk-based approach to assessment and cleanup of discharges and releases from petroleum USTs. And also specified the conditions under which reimbursement would be made from the Petroleum UST Cleanup Funds. The adoption of 2L .0115 was intended to assure that reimbursements were continued for sites posing the greatest risk and to reduce the demand on the Cleanup Funds for those sites posing no threat to human health or the environment. The suspension of activities at UST incident sites classified C, D, and E ended upon the adoption of the risk-based 2L .0115, pursuant to SL1995-648. From 01/02/98, petroleum UST incident sites were classified as high, intermediate, or low risk, according the criteria listed in 2L .0115.

09/28/98 **SL 1998-161 (H1483)**, titled "Expedite Low-Risk Closures", became law. This law was intended primarily to expedite the closure of low-risk leaking petroleum UST sites. However, Section 5 of this law also added a new Subsection (e2) to GS 143-215.94E which stated that the EMC may require that a UST owner, operator, or landowner obtain approval *(preapproval)* from DENR before proceeding with any task for which cost would be reimbursable from the Cleanup Funds,

as specified under GS143-215.94B(b) and (b1) and GS143-215.94D(b1), effective 01/01/99. Subsection (e2) also directed the EMC to specify by rule those tasks for which preapproval was required and to adopt rules governing reimbursement of reasonable and necessary costs. Subsection 11(c) of this law made the risk-based Rule 2L .0115 permanent, effective retroactively to 01/02/98.

07/27/03 **SL 2003-352 (H897)**, titled "Underground Storage Tank Program Amendments" became law. This law was intended to improve the solvency of the Leaking Petroleum UST Cleanup Funds by making modifications to GS 143-215.94 and by authorizing the adoption of rules to reduce the cost of testing during assessment and cleanup.

Section 10 of SL 2003-352 modified GS 143-215.94E (Rights and Obligations of Owners, Operators, and Landowners) to require temporarily that DENR determine degree of risk posed by a commercial UST discharge or release and then determine a "schedule" for Commercial Cleanup Fund-eligible sites (based on degree of risk, availability of funds, and order in which releases were reported) for further assessment and cleanup. Initial response and abatement actions and the initial assessment necessary to determine the degree of risk still were required for all petroleum UST incidents.

Section 11 of SL 2003-352 authorized the EMC to adopt rules to reduce "certain testing requirements applicable to the leaking UST cleanup program" in order to reduce costs associated with assessment and cleanup.

09/15/03 **DENR implemented Section 10 of SL 2003-352** by directing in a public memorandum dated 08/21/03 that:

1) For high-risk UST release incidents, responsible parties must continue assessment and cleanup after the LSA;
2) For low-and intermediate-risk release incidents, responsible parties must continue after the LSA to remove or remediate the source of contamination(soil or free product) to the appropriate risk-based levels; and
3) For intermediate-risk incidents, responsible parties must suspend **temporarily** further assessment, monitoring, or cleanup of contaminated groundwater or of free product where present at levels less than ¼ inch in thickness *(unless they agree that costs for such "non-directed" tasks will not be reimbursed until after all "directed" costs).*

07/20/04 **SL 2004-124 (H1414)**, titled "2004 Appropriations Act", became law. Section 30.10 of the law, headed "Leaking Underground Storage Tanks Cleanup Funds Solvency", allocated additional funding, further amended the preapproval requirement in GS 143-215.94E(e2), and rewrote Section 10 of SL 2003-352 to extend its applicability to noncommercial UST releases.

Subsection 30.10(d) of this law, effective 10/01/04, rewrote GS 143-215.94E(e2) as Subdivision (e2)(1) and amended it to give authority to DENR *instead of the EMC* for preapproval and also added Subdivisions (2), (3), and (4) to GS 143-215.94E(e2). Subdivision (e2)(2) states that DENR shall not preapprove any tasks unless sufficient funds are available from the Commercial and Noncommercial Leaking UST Cleanup Funds to pay the claim for that task within 90 days of its receipt. However, Subdivision (e2)(3) allows DENR to preapprove tasks for work which is not directed (due to low priority and insufficiency of funds) if the responsible party agrees to defer payment until DENR has paid all claims for costs for directed work. Subdivision (e2)(4) allows DENR to preapprove tasks for work that is not directed if the discharge or release has created an emergency situation.

Subsection 30.10(e) of this law, effective 10/01/04, rewrote Section 10 of SL 2003-352, so that the requirement that DENR establish the degree of risk posed by a release and determine a schedule for post-LSA assessment and cleanup was extended to apply to noncommercial releases.

10/01/04 **DENR implemented Subsections 30.10(d) and (e) of SL 2004-124** (which prohibited DENR from preapproving any task unless sufficient funds were available and required DENR to develop a schedule based on degree of risk, funding, and date of reporting for post-LSA work) by directing in a public memorandum dated 09/14/04 that:

1) Prior to and continuing after 10/01/04, initial abatement actions and assessment to determine degree of risk (the LSA) should be performed for all UST releases without preapproval;
2) After 10/1/04, all work to be conducted after submittal of a LSA report must be preapproved; and
3) After 10/01/04, DENR will send Notices of Regulatory Requirements to responsible parties to direct, according to a schedule, the post-LSA assessment and cleanup activities.

09/08/05 **SL 2005-352 (H1385)**, titled "Underground Storage Tank Amendments" became law. It made clarifying and conforming amendments to GS 143-215.94E, which governs the rights and obligations of UST owners and operators and removed the sunset applicable to, amended, and codified Section 10 of SL 2003-352 as amended by Subsection 30.10 of SL 2004-124.

Section 1 of this law presented the modification and reorganization of Section GS 143-215.94E(e) into new Subsections (e1)-(e5). For the first time incorporating into the General Statutes the requirements of Section 10 of SL 2003-352 (as modified by Subsection 30.10(e) of SL 2004-124), Subdivision (e4)(1) directs the owner or operator to abate the discharge or release and to complete the assessment necessary to determine the degree of risk; and Subdivisions GS 143-215.94E(e4)(2), (3), and (4) direct DENR to establish the degree of risk posed by a discharge or a release of petroleum from a commercial or a non-commercial UST and to determine a "schedule" for *(post-LSA)* assessment and cleanup based on that degree of risk and (if the release is eligible for funding) on the availability of funds and the order in which the release was reported.

Section 2 of this law directed that Section 10 of SL 2003-352, as amended by Subsection 30.10(e) of SL 2004-124 and as codified and amended by Section 1, continue in effect.

12/01/05 **Title 15A NCAC 2L .0115**, the risk-based rule, was modified and recodified as Section .0400 of Subchapter 2L. The modifications were made to comply with requirements in SL 2003-352 that the EMC adopt rules to reduce testing requirements applicable to the leaking Underground storage tank cleanup program to reduce costs.

APPENDIX E

REGULATORY DATABASE SEARCH REPORTS

The EDR-City Directory
Abstract

Jesse F. Niven Jr. USARC
1816 East Main Street
Albemarle, NC 28001

Inquiry Number: 1710761.6

Tuesday, July 11, 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.

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 1964 through 2006. (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 11, 2006

Target Property:
1816 East Main Street
Albemarle, NC 28001

Year	***Uses***	***Source***
1964	USA Reserve Training Center	Hill's City Directory
	USA Reserve Co E & F	Hill's City Directory
	USA Reserve 227 Trans Co	Hill's City Directory
1971	USA Reserve Training Center	Hill's City Directory
	USA Reserve Co E & F	Hill's City Directory
	USA Reserve 227 Trans Co	Hill's City Directory
1976	USA Reserve Training Center	Hill's City Directory
	USA Reserve Co E & F	Hill's City Directory
	USA Reserve 227 Trans Co	Hill's City Directory
1981	USA Reserve Training Center	Hill's City Directory
	USA Reserve Co D & E	Hill's City Directory
	USA Reserve 227 Trans Co	Hill's City Directory
1986	USA Reserve Training Center	Polk's City Directory
	USA Reserve Co D & E	Polk's City Directory
	USA Reserve 227 Trans Co	Polk's City Directory
1991	USA Reserve Training Center	Polk's City Directory
	USA Reserve Co D & E	Polk's City Directory
	USA Reserve 227 Trans Co	Polk's City Directory
1996	US Army Reserve Training Center	Polk's City Directory

Year	Uses	Source
1996	US Reserve 227 Trans Co	Polk's City Directory
2001	US Army Reserve Training Center	Polk's City Directory
2006	US Army Reserve Training	Polk's City Directory
	USARC Retention	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Albemarle, NC 28001

Year	Uses	Source
1964	**** EAST MAIN STREET ****	Hill's City Directory
	Clayton's Garage (1717)	Hill's City Directory
	Way Lynn Salon of Beauty (1717)	Hill's City Directory
	Residence (1718)	Hill's City Directory
	East Arbemarle Elementry School (1813)	Hill's City Directory
	Address not listed in research source (1820)	Hill's City Directory
	Address not listed in research source (1821)	Hill's City Directory
	Address not listed in research source (1825)	Hill's City Directory
	Al Stan Oil Co Inc (1839)	Hill's City Directory
	East Albemarle Texaco (1900)	Hill's City Directory
1971	**** EAST MAIN STREET ****	Hill's City Directory
	Clayton's Garage (1717)	Hill's City Directory
	Way Lynn Salon of Beauty (1717)	Hill's City Directory
	Residence (1718)	Hill's City Directory
	East Arbemarle Elementry School (1813)	Hill's City Directory

Year	Uses	Source
1971	Address not listed in research source (1820)	Hill's City Directory
	Address not listed in research source (1821)	Hill's City Directory
	Address not listed in research source (1825)	Hill's City Directory
	Holding Brothers Inc (1839)	Hill's City Directory
	East Albemarle Texaco (1900)	Hill's City Directory
1976	**** EAST MAIN STREET ****	Hill's City Directory
	Kawasaki of Albemarle Inc (1717)	Hill's City Directory
	Residence (1718)	Hill's City Directory
	East Arbemarle Elementry School (1813)	Hill's City Directory
	Mc Donalds (1820)	Hill's City Directory
	Address not listed in research source (1821)	Hill's City Directory
	Address not listed in research source (1825)	Hill's City Directory
	Williams Oil (1839)	Hill's City Directory
	East Albemarle Texaco (1900)	Hill's City Directory
1981	**** EAST MAIN STREET ****	Hill's City Directory
	Kawasaki of Albemarle Inc (1717)	Hill's City Directory
	Residence (1718)	Hill's City Directory
	East Arbemarle Elementry School (1813)	Hill's City Directory
	Mc Donalds (1820)	Hill's City Directory
	Address not listed in research source (1821)	Hill's City Directory
	Address not listed in research source (1825)	Hill's City Directory
	Williams Oil (1839)	Hill's City Directory

Year	Uses	Source
1981	East Albemarle Texaco (1900)	Hill's City Directory
1986	**** EAST MAIN STREET ****	Polk's City Directory
	Kawasaki & Suzuki of Albemarle Inc (1717)	Polk's City Directory
	Residence (1718)	Polk's City Directory
	East Arbemarle Elementry School (1813)	Polk's City Directory
	Mc Donalds (1820)	Polk's City Directory
	Address not listed in research source (1821)	Polk's City Directory
	Address not listed in research source (1825)	Polk's City Directory
	East Albemarle Texaco (1900)	Polk's City Directory
	Golden Corral Family Steakhouse (1900)	Polk's City Directory
1991	**** EAST MAIN STREET ****	Polk's City Directory
	Shanks Furniture Inc (1717)	Polk's City Directory
	Paynes Beauty Salon (1718)	Polk's City Directory
	East Arbemarle Elementry School (1813)	Polk's City Directory
	Mc Donalds (1820)	Polk's City Directory
	Address not listed in research source (1821)	Polk's City Directory
	Address not listed in research source (1825)	Polk's City Directory
	East Albemarle Texaco (1900)	Polk's City Directory
	Golden Corral Family Steakhouse (1900)	Polk's City Directory
1996	**** EAST MAIN STREET ****	Polk's City Directory
	Designer Baskets (1717)	Polk's City Directory
	Residence (1718)	Polk's City Directory

Year	Uses	Source
1996	East Arbemarle Elementry School (1813)	Polk's City Directory
	Mc Donalds (1820)	Polk's City Directory
	Address not listed in research source (1821)	Polk's City Directory
	Address not listed in research source (1825)	Polk's City Directory
	Plaza Express (conv store) (1900)	Polk's City Directory
2001	**** EAST MAIN STREET ****	Polk's City Directory
	Designer Baskets (1717)	Polk's City Directory
	Piedmont Home Care Agency (1717)	Polk's City Directory
	Residence (1718)	Polk's City Directory
	East Arbemarle Elementry School (1813)	Polk's City Directory
	Mc Donalds (1820)	Polk's City Directory
	P E J A (gas station) (1821)	Polk's City Directory
	Texaco Food Mart (1821)	Polk's City Directory
	Address not listed in research source (1825)	Polk's City Directory
	Plaza Express (conv store) (1900)	Polk's City Directory
2006	**** EAST MAIN STREET ****	Polk's City Directory
	K & S Floor Covering (1717)	Polk's City Directory
	Piedmont Home Care Agency (1717)	Polk's City Directory
	Residence (1718)	Polk's City Directory
	East Arbemarle Elementry School (1813)	Polk's City Directory
	Mc Donalds (1820)	Polk's City Directory
	Eckerd (pharmacy) (1825)	Polk's City Directory

Year	***Uses***	***Source***
2006	Plaza Express (conv store) (1900)	Polk's City Directory

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Rob Newman
FMSM Engineers
1901 Nelson Miller
Louisville, KY 40223

Order Date: 7/7/2006 **Completion Date:** 7/7/2006
Inquiry #: 1710761.3s
P.O. #: NA
Site Name: Jesse F. Niven Jr. USARC
Address: 1816 East Main Street
City/State: Albemarle, NC 28001
Cross Streets:

Customer Project: NC001
1022764WEI 502-212-5039

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

NO COVERAGE

The EDR Radius Map
with GeoCheck®

Jesse F. Niven Jr. USARC
1816 East Main Street
Albemarle, NC 28001

Inquiry Number: 01727047.1r

August 01, 2006

The Standard in Environmental Risk Management Information

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Internet: www.edrnet.com

TABLE OF CONTENTS

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

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

1816 EAST MAIN STREET
ALBEMARLE, NC 28001

COORDINATES

Latitude (North):	35.350800 - 35° 21' 2.9''
Longitude (West):	80.166500 - 80° 9' 59.4''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	575734.9
UTM Y (Meters):	3912066.8
Elevation:	612 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	35080-C2 ALBEMARLE, NC
Most Recent Revision:	1996

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
USAR CENTER 1816 EAST MAIN STREET ALBEMARLE, NC 28001	FINDS	110018567825
US ARMY RESERVE CENTER 1816 EAST MAIN ST ALBEMARLE, NC 28001	LUST Incident Phase: Response IMD	N/A
USA RESERVE XVIII AIRBORNE CORPS 1816 E MAIN ST ALBEMARLE, NC 28001	CERCLIS RCRA-SQG SHWS FINDS	NC6210022046

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
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
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
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

NC HSDS	Hazardous Substance Disposal Site
SWF/LF	List of Solid Waste Facilities
OLI	Old Landfill Inventory
AST	AST Database
INST CONTROL	No Further Action Sites With Land Use Restrictions Monitoring
VCP	Responsible Party Voluntary Action Sites
DRYCLEANERS	Drycleaning Sites
BROWNFIELDS	Brownfields Projects Inventory
NPDES	NPDES Facility Location Listing

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

INDIAN UST Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants

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

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 04/01/2006 has revealed that there are 7 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EAST ALBEMARLE TEXACO	1821 E MAIN STREET	0 - 1/8 SW	C7	21

Lower Elevation	Address	Dist / Dir	Map ID	Page
EAST ALBEMARLE TEXACO/ HOLDING	1900 EAST MAIN STREET	0 - 1/8 SSE	B5	12
C K EARNHARDT & SON INC	***1906 BADIN RD***	***1/8 - 1/4 NW***	***11***	***26***
LANE FURR/ PRO TIRE AND AUTO	***315 HIGHWAY 740-E***	***1/4 - 1/2 NE***	***13***	***33***
COCA-COLA BOTTLING CO. CONS.	***1610 EAST MAIN STREET***	***1/4 - 1/2 W***	***14***	***35***
STANLY COUNTY SCHOOL BUS GARAG	***1541 FREEMAN AVENUE***	***1/4 - 1/2 WNW***	***15***	***38***
TUCKER PROPERTY	***1451 E. MAIN ST.***	***1/4 - 1/2 W***	***D17***	***41***

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 06/02/2006 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
EAST ALBEMARLE TEXACO	***1900 EAST MAIN STREET***	***0 - 1/8 SSE***	***B6***	***13***
Incident Phase: Closed Out				
Incident Phase: Closed Out				
C K EARNHARDT & SON INC	***1906 BADIN RD***	***1/8 - 1/4 NW***	***11***	***26***
Incident Phase: Closed Out				

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
LANE FURR/ PRO TIRE AND AUTO Incident Phase: Response	***315 HIGHWAY 740-E***	***1/4 - 1/2 NE***	***13***	***33***
COCA-COLA BOTTLING CO. CONS. Incident Phase: Closed Out	***1610 EAST MAIN STREET***	***1/4 - 1/2 W***	***14***	***35***
STANLY COUNTY SCHOOL BUS GARAG Incident Phase: Closed Out	***1541 FREEMAN AVENUE***	***1/4 - 1/2 WNW***	***15***	***38***
TUCKER PROPERTY Incident Phase: Closed Out	***1451 E. MAIN ST.***	***1/4 - 1/2 W***	***D17***	***41***

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 05/04/2006 has revealed that there are 2 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EAST ALBEMARLE TEXACO	1821 EAST MAIN STREET	0 - 1/8 SW	C8	22

Lower Elevation	Address	Dist / Dir	Map ID	Page
TUCKER PROPERTY	1451 EAST MAIN STREET	1/4 - 1/2 W	D16	41

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 Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/12/2006 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EAST ALBEMARLE ELEMENTARY SCH	1813 EAST MAIN STREET	1/8 - 1/4 WSW	C10	24

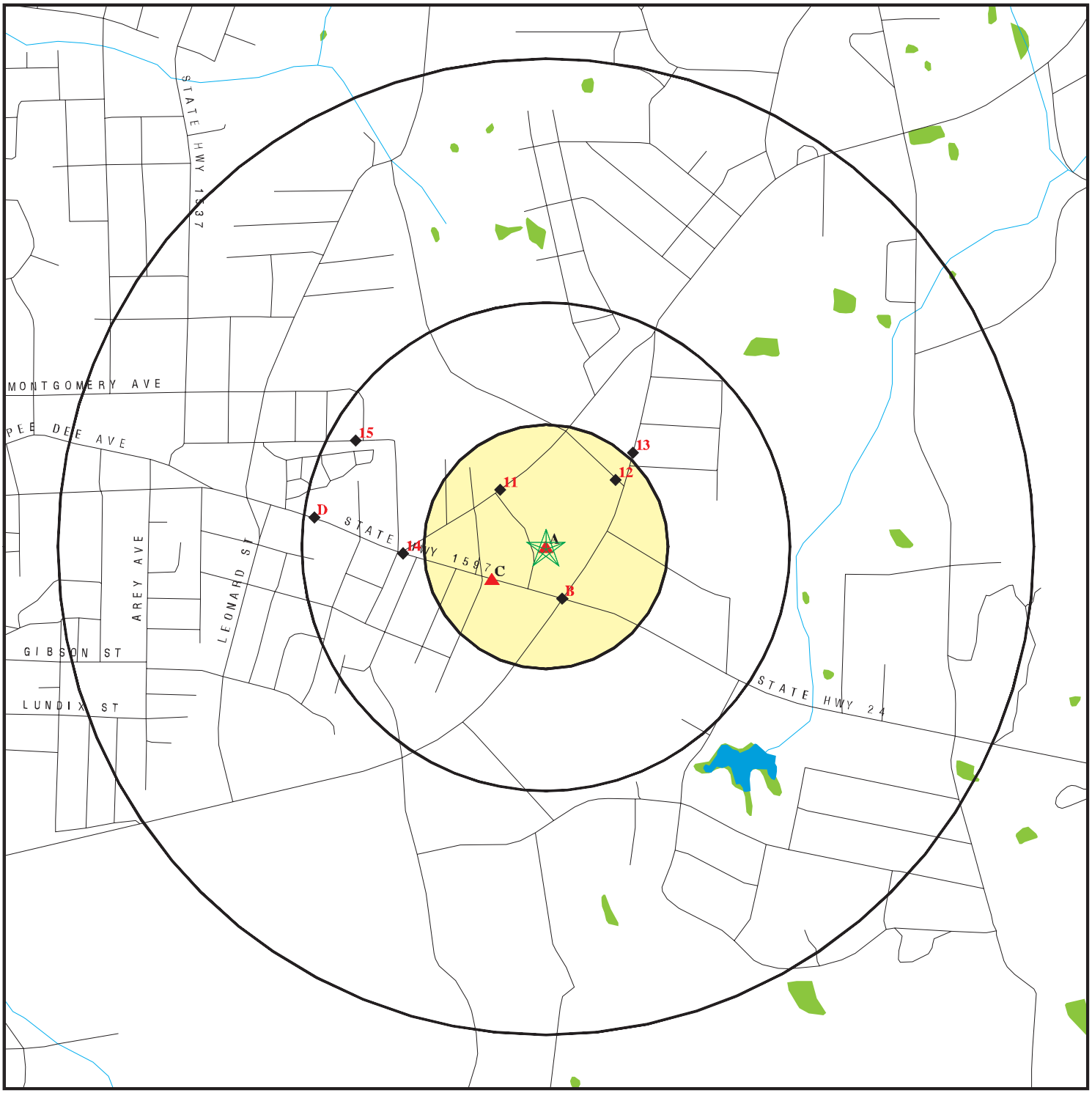
Lower Elevation	Address	Dist / Dir	Map ID	Page
PLAZA EXPRESS 215	1900 E MAIN STREET	0 - 1/8 SSE	B4	9
EAST ALBEMARLE TEXACO	***1900 EAST MAIN STREET***	***0 - 1/8 SSE***	***B6***	***13***
WILCO 382	641 HWY 24-27 EAST	0 - 1/8 S	B9	22
C K EARNHARDT & SON INC	***1906 BADIN RD***	***1/8 - 1/4 NW***	***11***	***26***
PRO-TIRE & AUTO	315 HWY 740 BYPASS EAST	1/8 - 1/4 NE	12	31

EXECUTIVE SUMMARY

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

Site Name	Database(s)
MIN O PON	LUST, UST, IMD
EFIRDS BACKHOE SERVICE (FORMER	LUST, IMD
HWY 205 @ 24/27	LUST
CANTON RD MINI MART	LUST, IMD
DOBY TRUST - WHITE OAK RANCH F	LUST, IMD
FROG POND 66	LUST, UST, IMD
METAL MAINTENANCE	LUST, IMD
PHILLIPS 66 FORMER	LUST, IMD
MILTONS GROCERY/GAS FORMER	LUST, IMD
MORGAN MILLS (DAWSON PLANT #6)	LUST, IMD
CANTON ROAD MINIMART #2	LUST, IMD
PHILLIPS 66-HWY 24/27	LUST, IMD
SERVCO 00115 (WILCO #381)	LUST, IMD
DOBY TRUST - EGG PLANT & HATCH	LUST, IMD
FAST STOP #1	LUST, IMD
BURRIS ALTON PROPERTY (FORMER)	LUST, IMD
FAST STOP #1	LUST TRUST
REID EFIRD BACKHOE SERVICE	UST
NORTH CAROLINA NATURAL GAS CO	UST
BELK 018	UST
GREEN TOP 66	UST
MIN O PON	UST
CHARLES HARRINGTON	UST
HIGHWAY 52 66 STATION	UST
WILCO 381	UST
QUIK CHECK 18	UST
CONCORD ROAD GULF	UST
ALL STAR MILLS. INC.	UST
TIME WARNER CABLE	UST
E-Z SHOPPE	UST
CONCORD TELEPHONE MICROWAVE T	UST
HALL'S MOTORCYCLE SHOP	UST
MILLINGPORT ELEMENTARY SCHOOL	UST
BLACKWELL MINI MART	UST
JEFFERIES SOUTHERN PROCESSORS	AST
RUSSELL S AUTOMOTIVE	RCRA-SQG, FINDS
HAWOOD PROPERTY/STROUD IMAGES	RCRA-SQG
AREY/TAYLOR WELLS	IMD
LONG CREEK WWTP	IMD

OVERVIEW MAP - 01727047.1r

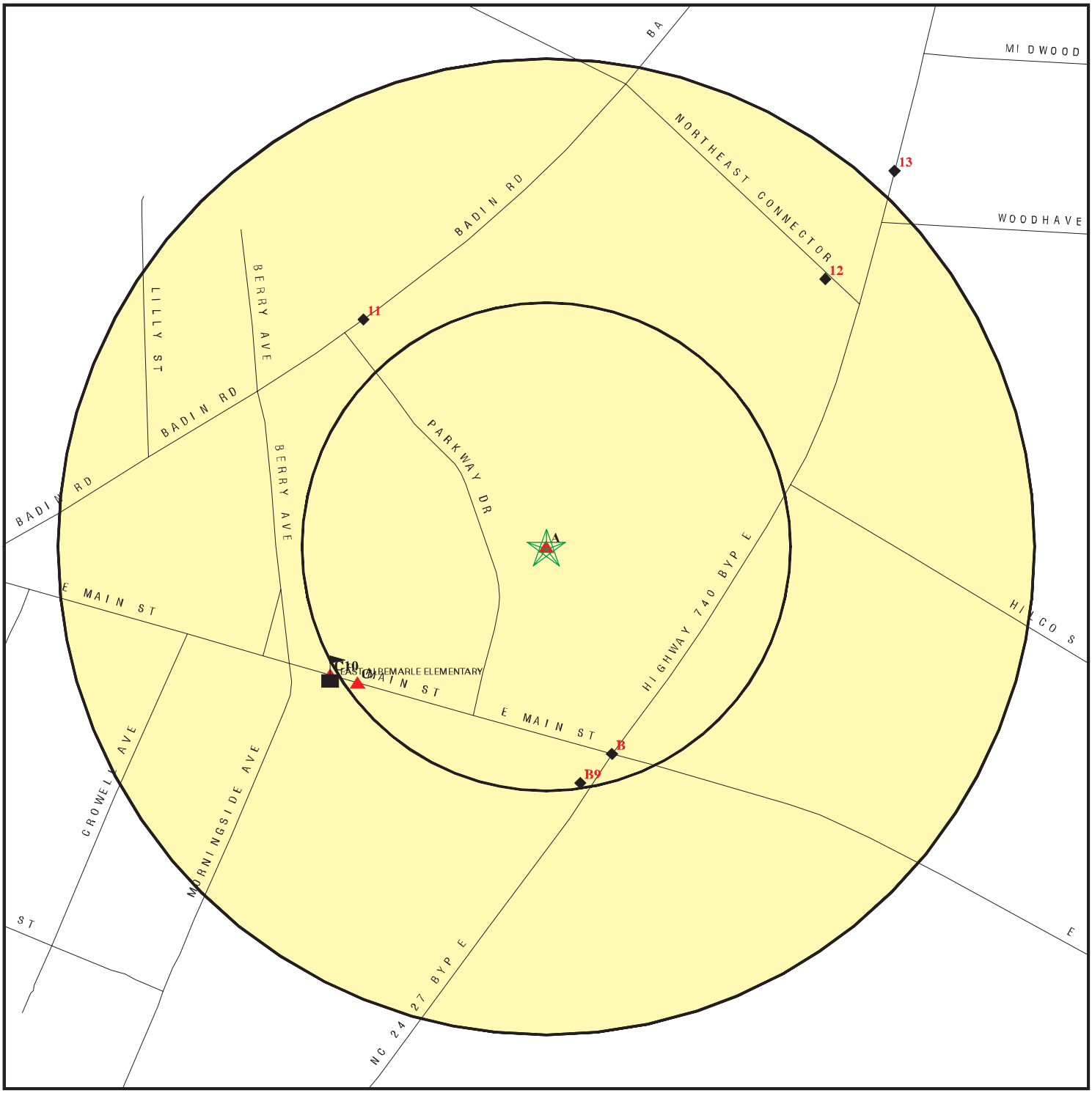


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

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: Jesse F. Niven Jr. USARC	CLIENT: FMSM Engineers
ADDRESS: 1816 East Main Street Albemarle NC 28001	CONTACT: Rob Newman
LAT/LONG: 35.3508 / 80.1665	INQUIRY #: 01727047.1r DATE: August 01, 2006

DETAIL MAP - 01727047.1r



- 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
- Hazardous Substance Disposal Sites

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SITE NAME: Jesse F. Niven Jr. USARC	CLIENT: FMSM Engineers
ADDRESS: 1816 East Main Street Albemarle NC 28001	CONTACT: Rob Newman
LAT/LONG: 35.3508 / 80.1665	INQUIRY #: 01727047.1r DATE: August 01, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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	X	0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	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	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste	X	1.000	0	0	0	0	NR	0
NC HSDS		1.000	0	0	0	0	NR	0
IMD	X	0.500	2	1	4	NR	NR	7
State Landfill		0.500	0	0	0	NR	NR	0
OLI		0.500	0	0	0	NR	NR	0
LUST	X	0.500	1	1	4	NR	NR	6
LUST TRUST		0.500	1	0	1	NR	NR	2
UST		0.250	3	3	NR	NR	NR	6
AST		0.250	0	0	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES		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
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property — **USAR CENTER**, **1816 EAST MAIN STREET**, **ALBEMARLE, NC 28001** — **FINDS** — **1007700192**, **110018567825**

Site 1 of 3 in cluster A

Actual: 613 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

A2 Target Property — **US ARMY RESERVE CENTER**, **1816 EAST MAIN ST**, **ALBEMARLE, NC 28001** — **LUST**, **IMD** — **S101525325**, **N/A**

Site 2 of 3 in cluster A

Actual: 613 ft.

LUST:

Incident Number:	14049		
5 Min Quad:	P58u	Lat/Long:	352058 / 801003
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	Not reported	GPS Confirmed:	Not reported
UST Number:	MO-4333	Testlat:	Not reported
Product Type:	Petroleum	Date Reported:	5/15/1995
Responsible Party:			
Company:	DEPT OF THE ARMY		
Contact Person:	CORP OF ENGINEERS		
Address:	1050 REMOUNT RD		
City/Stat/Zip:	N. CHARLESTON, SC 29406		
County:	Not reported		
Comm / Non-comm UST Site:	Non commercial		
Tank Regulated Status:	Non Regulated		
Regional Officer Project Mgr:	DSG		
Risk Classification:	L		
Risk Classification Based On Review:	U		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Closure Request Date:	Not reported		
Close Out:	Not reported		
Contamination Type:	SL		
NORR Issued Date:	Not reported		
NOV Issued Date:	Not reported	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
MTBE:	Not reported	# Of Supply Wells:	0
Telephone:	Not reported	Flag:	0
Error Flag:	0	LUR Filed:	Not reported
Error Code:	Not reported	LUR Filed:	Not reported
Valid:	No	Date Occur:	9/28/1994
MTBE1:	Unknown	Flag1:	No
Cleanup:	9/28/1994	Current Status:	File Located in House
RBCA GW:	Not reported	PETOPT:	4
CD Num:	0	Reel Num:	0
RPOW:	No	RPOP:	No
RPL:	No		
PIRF/Min Soil :	Pirf		
Ownership:	Military	Location:	Facility
Owner/Operator:	CORP OF ENGINEERS	Operation Type:	Not Reported
Site Priority:	E	Priority Update:	5/30/1998

US ARMY RESERVE CENTER (Continued) **S101525325**

Wells Affected: Not reported
Wells Affected #: 0
Samples Taken: 3
Samples Include: 2
5minquad: Not reported
Error Type: Not reported
Submitted: 5/26/1995
Description: TPH 3550 UP TO 1340 PPM IN SOIL.
Last Modified: Not reported
Incident Phase: Response
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
SOC Sighned: Not reported
Close-out Report: Not reported
RS Designation: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported
Comments: NHR-DSG 2/9/05

IMD:
Facility ID: 14049
Region: MOR
Date Occurred: 9/28/1994
Submit Date: 5/26/1995
GW Contam: No
Soil Contam: Yes
Incident Desc: TPH 3550 UP TO 1340 PPM IN SOIL.
Operator: CORP OF ENGINEERS
Contact Phone: Not reported
Owner Company: DEPT OF THE ARMY
Operator Address: 1050 REMOUNT RD
Operator City: N. CHARLESTON
Oper City,St,Zip: N. CHARLESTON, SC 29406
Ownership: Military
Operation: Not Reported
Material: HEATING OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: DSG
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: P58U
Latitude: 35.34944444
Longitude: -80.1675
Latitude Number: 352058
Longitude Number: 801003
Latitude Decimal: 35.3494444444444
Longitude Decimal: 80.1675
GPS: NOD

US ARMY RESERVE CENTER (Continued) **S101525325**

Agency:	DWM
Facility ID:	14049
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

A3 **USA RESERVE XVIII AIRBORNE CORPS** **CERCLIS** **1000129825**
Target **1816 E MAIN ST** **RCRA-SQG** **NC6210022046**
Property **ALBEMARLE, NC 28001** **SHWS**
FINDS

Site 3 of 3 in cluster A

Actual:
613 ft.

CERCLIS Classification Data:

Federal Facility:	Federal Facility		
Non NPL Status:	SI Ongoing		
NPL Status:	Not on the NPL		
Contact:	GIEZELLE BENNETT	Contact Tel:	(404) 562-8824
Contact Title:	Not reported		
Contact:	JON BORNHOLM	Contact Tel:	(404) 562-8820
Contact Title:	Not reported		
Contact:	RANDALL CHAFFINS	Contact Tel:	(404) 562-8910
Contact Title:	Not reported		
Contact:	BARBARA DICK	Contact Tel:	(404) 562-8923
Contact Title:	Not reported		
Contact:	Ralph Howard	Contact Tel:	(404) 562-8829
Contact Title:	Not reported		
Contact:	William Joyner	Contact Tel:	(404) 562-8795
Contact Title:	Not reported		
Contact:	KEN MALLARY	Contact Tel:	(404) 562-8802
Contact Title:	Not reported		
Contact:	Mike Norman	Contact Tel:	(404) 562-8792
Contact Title:	Not reported		
Contact:	MICHAEL TOWNSEND	Contact Tel:	(404) 562-8813
Contact Title:	Not reported		
Contact:	SAMANTHA URQUHART F	Contact Tel:	(404) 562-8760
Contact Title:	Not reported		

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	11/16/1988
Assessment:	PRELIMINARY ASSESSMENT	Completed:	08/29/1990

CERCLIS Site Status:
Low

CERCLIS Alias Name(s):
USA RESERVE XVIII AIRBORNE CORPS
ALBEMARLE ARMY RESERVE CENTER

USA RESERVE XVIII AIRBORNE CORPS (Continued) **1000129825**

RCRAInfo:
Owner: DEPARTMENT OF ARMY
EPA ID: NC6210022046

Contact: BRUCE PARKER
(919) 396-8207

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SHWS:
Facility ID: NC6210022046
Facility Status: Sites Requiring No Further Action

B4 **PLAZA EXPRESS 215** **UST** **U001191089**
SSE **1900 E MAIN STREET** **N/A**
< 1/8 **ALBEMARLE, NC 28001**
588 ft.

Site 1 of 4 in cluster B

Relative: Lower

Actual: 603 ft.

UST:
Facility ID: 0-002057
Telephone: (704) 983-3311
Owner name : SOUTH CENTRAL OIL CO INC
Owner Address: 2121 WEST MAIN STREET
ALBEMARLE, NC 28001
Owner Phone : (704) 982-2173
Tank capacity : 11750
Comment : Not reported
Tank product : Gasoline, Gasoline Mixture
Tank material : Steel
Interior Protection: FRP
Exterior Protection: Steel
Piping material : FRP
Certify Type : Not reported
Leak Detection Type : Statistical inventory reconciliation
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Other
Spill and Overfill : Catchment basins
Financial Responsiblity : Not reported
Region: 03
Tank ID: 001
Date installed: 1/1/1974
Date removed: Not reported
Status: Currently In Use
Compartment Tank : No

PLAZA EXPRESS 215 (Continued) **U001191089**

Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	5/15/1997
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	5/15/1997
Overfill:	B
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200506979O
Date Last Certified:	9/14/2005
Begin Certified Number:	1/10/2005
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	4/22/2005

Facility ID:	0-002057
Telephone:	(704) 983-3311
Owner name :	SOUTH CENTRAL OIL CO INC
Owner Address:	2121 WEST MAIN STREET
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-2173
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Steel
Exterior Protection:	Steel
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Other
Spill and Overfill :	Catchment basins
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	002
Date installed:	1/1/1974
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported

PLAZA EXPRESS 215 (Continued) **U001191089**

Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	5/15/1997
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	5/15/1997
Overfill:	B
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200506979O
Date Last Certified:	9/14/2005
Begin Certified Number:	1/10/2005
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	4/22/2005

Facility ID:	0-002057
Telephone:	(704) 983-3311
Owner name :	SOUTH CENTRAL OIL CO INC
Owner Address:	2121 WEST MAIN STREET
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-2173
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Steel
Exterior Protection:	Steel
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Other
Spill and Overfill :	Catchment basins
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	003
Date installed:	1/1/1974
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	5/15/1997

PLAZA EXPRESS 215 (Continued) **U001191089**

Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	5/15/1997
Overfill:	B
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200506979O
Date Last Certified:	9/14/2005
Begin Certified Number:	1/10/2005
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	4/22/2005

B5 **EAST ALBEMARLE TEXACO/ HOLDING** **IMD** **S106936140**
SSE **1900 EAST MAIN STREET** **N/A**
< 1/8 **ALBEMARLE, NC**
588 ft.

Site 2 of 4 in cluster B

Relative:
Lower

Actual:
603 ft.

IMD:

Facility ID:	9105
Region:	MOR
Date Occurred:	6/10/1992
Submit Date:	9/24/1992
GW Contam:	No
Soil Contam:	Yes
Incident Desc:	CONTAMINATION FOUND UPON UST REMOVAL
Operator:	DAVID HOLDING
Contact Phone:	704-786-4127
Owner Company:	HOLDING BROTHERS, INC.
Operator Address:	50 HWY 601 BYPASS
Operator City:	CONCORD
Oper City,St,Zip:	CONCORD, NC 28025
Ownership:	Private
Operation:	Commercial
Material:	WASTE OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Rural
Risk Site:	L
Site Priority:	E?
Priority Code:	L
Priority Update:	12/4/1998
Dem Contact:	DSG
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported

EAST ALBEMARLE TEXACO/ HOLDING (Continued) **S106936140**

7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM
Facility ID:	9105
Last Modified:	5/5/1997
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	4/29/1997

B6 **EAST ALBEMARLE TEXACO** **LUST U003143621**
SSE **1900 EAST MAIN STREET** **UST N/A**
< 1/8 **ALBEMARLE, NC 28001**
588 ft.

Site 3 of 4 in cluster B

Relative: Lower

Actual: 603 ft.

LUST:

Incident Number:	27431		
5 Min Quad:	Not reported	Lat/Long:	352059 / 801005
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	0-008321	GPS Confirmed:	7
UST Number:	MO-6680	Testlat:	Not reported
Product Type:	Petroleum	Date Reported:	3/3/2003

Responsible Party:

Company:	HOLDING BROS.
Contact Person:	DAVE HOLDING
Address:	PO DRAWER 647
City/Stat/Zip:	CONCORD, NC 28026 - 0647
County:	Not reported

Comm / Non-comm UST Site:	Commercial		
Tank Regulated Status:	Regulated		
Regional Officer Project Mgr:	RHT		
Risk Classification:	I		
Risk Classification Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Closure Request Date:	Not reported		
Close Out:	8/23/2004		
Contamination Type:	SL		
NORR Issued Date:	Not reported		
NOV Issued Date:	Not reported	Phase Of LSA Req:	2
Site Risk Reason:	Gross contaminant levels	Land Use:	Industrial/commercial
MTBE:	0	# Of Supply Wells:	0

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Telephone:	7047864127	Flag:	0
Error Flag:	0	LUR Filed:	7/23/2004
Error Code:	Not reported	LUR Filed:	7/23/2004
Valid:	No	Date Occur:	2/22/2001
MTBE1:	Unknown	Flag1:	No
Cleanup:	2/22/2001	Current Status:	File Located in House
RBCA GW:	Not reported	PETOPT:	3
CD Num:	0	Reel Num:	0
RPOW:	Yes	RPOP:	Yes
RPL:	No		
PIRF/Min Soil :	Not reported		
Ownership:	Private	Location:	Facility
Owner/Operator:	Not reported	Operation Type:	Commercial
Site Priority:	Not reported	Priority Update:	Not reported
Wells Affected:	Not reported	Wells Affected #:	Not reported
Samples Taken:	Yes	Samples Include:	Not reported
5minquad:	Not reported	Error Type:	Not reported
Submitted:	3/3/2003		

Description: DURING A PHASE II ENV SITE ASSESSMENT, AND UST REMOVAL, PETROLEUM CONTAMINATED SOIL WAS DOCUMENTED.

Last Modified: 8/23/2004

Incident Phase: Closed Out

NOV Issued:	Not reported	NORR Issued:	Not reported
45 Day Report:	Not reported	SOC Sighned:	Not reported
Close-out Report:	Not reported	RS Designation:	Not reported

Public Meeting Held: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported

Comments: A Summary of Remedial Actions report that detailed the results of a 4-week MMPE event was submitted to this office on 6-21-04. The results show that the wells in question are now below the GCLs. The site can now be lowered from Intermediate to Low Risk, Ind. And be closed with a deed restriction for soil and groundwater.

Incident Number:	9105		
5 Min Quad:	Not reported	Lat/Long:	Not reported
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	0-008321	GPS Confirmed:	Not reported
UST Number:	MO-3607	Testlat:	Not reported
Product Type:	Not reported	Date Reported:	9/16/1992

Responsible Party:
Company: HOLDING BROTHERS, INC.
Contact Person: DAVID HOLDING
Address: 50 HWY 601 BYPASS
City/Stat/Zip: CONCORD, NC 28025
County: CB

Comm / Non-comm UST Site: Commercial
Tank Regulated Status: Regulated
Regional Officer Project Mgr: DSG
Risk Classification: L
Risk Classification Based On Review: L
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Not reported
Closure Request Date: Not reported
Close Out: 4/29/1997

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Contamination Type:	SL		
NORR Issued Date:	Not reported		
NOV Issued Date:	Not reported	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
MTBE:	Not reported	# Of Supply Wells:	0
Telephone:	704-786-4127	Flag:	0
Error Flag:	0	LUR Filed:	Not reported
Error Code:	Not reported	LUR Filed:	Not reported
Valid:	No	Date Occur:	6/10/1992
MTBE1:	Unknown	Flag1:	No
Cleanup:	6/10/1992	Current Status:	File Located in Archives
RBCA GW:	Not reported	PETOPT:	Not reported
CD Num:	65	Reel Num:	0
RPOW:	No	RPOP:	No
RPL:	No		
PIRF/Min Soil :	Min_Soil		
Ownership:	Private	Location:	Facility
Owner/Operator:	DAVID HOLDING	Operation Type:	Commercial
Site Priority:	E?	Priority Update:	12/4/1998
Wells Affected:	Not reported	Wells Affected #:	0
Samples Taken:	Not reported	Samples Include:	Not reported
5minquad:	Not reported	Error Type:	Not reported
Submitted:	9/24/1992		
Description:	CONTAMINATION FOUND UPON UST REMOVAL		
Last Modified:	5/5/1997		
Incident Phase:	**Closed Out**		
NOV Issued:	Not reported	NORR Issued:	Not reported
45 Day Report:	Not reported	SOC Sighned:	Not reported
Close-out Report:	4/29/1997	RS Designation:	Not reported
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
Reclassification Report:	Not reported		
Closure Request Date:	Not reported		
Comments:	Not reported		

UST:

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Cathodic Protection
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	SELF/STATE

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Region:	03
Tank ID:	1
Date installed:	7/5/1970
Date removed:	2/14/2003
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	P
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	F
Corrosion Protection Tank Date:	1/30/1991
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/30/1991
Overfill:	D
Spill Overfill Date:	1/30/1991
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	Not reported
Tank Certified Number:	200300715O
Date Last Certified:	12/23/2002
Begin Certified Number:	1/1/2003
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Cathodic Protection
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	SELF/STATE
Region:	03
Tank ID:	2
Date installed:	7/5/1970

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Date removed:	2/14/2003
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	O
Piping System Type Description:	MANIFOLD-SIPHON
Corrosion Protection Tank1:	F
Corrosion Protection Tank Date:	1/30/1991
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/30/1991
Overfill:	D
Spill Overfill Date:	1/30/1991
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	Not reported
Tank Certified Number:	200300715O
Date Last Certified:	12/23/2002
Begin Certified Number:	1/1/2003
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	2000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Cathodic Protection
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	SELF/STATE
Region:	03
Tank ID:	3
Date installed:	7/5/1982
Date removed:	2/14/2003
Status:	Permanent Closed
Compartment Tank :	No

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Main Tank :	No
Product Type:	NON
Piping System Type Code:	O
Piping System Type Description:	MANIFOLD-SIPHON
Corrosion Protection Tank1:	F
Corrosion Protection Tank Date:	1/30/1991
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/30/1991
Overfill:	D
Spill Overfill Date:	1/30/1991
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	Not reported
Tank Certified Number:	200300715O
Date Last Certified:	12/23/2002
Begin Certified Number:	1/1/2003
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	4000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Cathodic Protection
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	SELF/STATE
Region:	03
Tank ID:	4
Date installed:	5/5/1982
Date removed:	2/14/2003
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	P

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Piping System Type Description:	Not reported
Corrosion Protection Tank1:	F
Corrosion Protection Tank Date:	1/30/1991
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/30/1991
Overfill:	D
Spill Overfill Date:	1/30/1991
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	Not reported
Tank Certified Number:	200300715O
Date Last Certified:	12/23/2002
Begin Certified Number:	1/1/2003
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	1000
Comment :	Not reported
Tank product :	Oil, New/Used/Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Unknown
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	SELF/STATE
Region:	03
Tank ID:	5
Date installed:	7/5/1970
Date removed:	8/9/1992
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	8/11/1991
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

Facility ID:	0-008321
Telephone:	(704) 824-3561
Owner name :	UNITED OIL OF THE CAROLINAS INC
Owner Address:	PO BOX 68, 2758 EAST OZARK AVE
	GASTONIA, NC 28054
Owner Phone :	(704) 824-3561
Tank capacity :	8000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	STIP-3
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Statistical inventory reconciliation
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	Steel/FRP composite
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	SELF/STATE
Region:	03
Tank ID:	6
Date installed:	8/31/1995
Date removed:	2/14/2003
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	P
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	8/31/1995
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	8/31/1995
Overfill:	D

EAST ALBEMARLE TEXACO (Continued) **U003143621**

Spill Overfill Date:	8/31/1995
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	N
Tank Last Used Date:	Not reported
Tank Certified Number:	200300715O
Date Last Certified:	12/23/2002
Begin Certified Number:	1/1/2003
End Certified Number:	Not reported
Lat/Long :	35.34940 / -80.16560
Lat/Long 1 :	35 20 57.84 / 80 09 56.06
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/19/2003

C7 **EAST ALBEMARLE TEXACO** **IMD** **S106936241**
SW **1821 E MAIN STREET** **N/A**
< 1/8 **ALBEMARLE, NC**
629 ft.

Site 1 of 3 in cluster C

Relative:
Higher

Actual:
622 ft.

IMD:

Facility ID:	27431
Region:	MOR
Date Occurred:	2/22/2001
Submit Date:	3/3/2003
GW Contam:	No
Soil Contam:	Yes
Incident Desc:	DURING A PHASE II ENV SITE ASSESSMENT, AND UST REMOVAL, PETROLEUM CONTAMINATED SOIL WAS DOCUMENTED.
Operator:	DAVE HOLDING
Contact Phone:	7047864127
Owner Company:	HOLDING BROS.
Operator Address:	PO DRAWER 647
Operator City:	CONCORD
Oper City,St,Zip:	CONCORD, NC 280260647
Ownership:	Private
Operation:	Commercial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Not reported
Risk Site:	I
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	RHT
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Y
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported

EAST ALBEMARLE TEXACO (Continued) **S106936241**

Latitude:	35.34972222
Longitude:	-80.16805555
Latitude Number:	352059
Longitude Number:	801005
Latitude Decimal:	35.3497222222222
Longitude Decimal:	80.1680555555556
GPS:	UNK
Agency:	DWM
Facility ID:	27431
Last Modified:	8/23/2004
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C8 **EAST ALBEMARLE TEXACO** **LUST TRUST** **S106352312**
SW **1821 EAST MAIN STREET** **N/A**
< 1/8 **ALBEMARLE, NC**
629 ft.

Site 2 of 3 in cluster C

Relative: Higher

Actual: 622 ft.

LUST TRUST:

Facility ID :	Y	
Site ID :	27431	
Site Note:	Albemarle	
Site Eligible?:	Not reported	
Commercial Find :	100% Commercial	
Priority Rank:	Not reported	
3rd Party Deductable Amount:		100000
Sum of 3rd Party Amounts Applied:		0
Deductable Amount:	20000	

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST detail in the EDR Site Report.

B9 **WILCO 382** **UST** **U001558680**
South **641 HWY 24-27 EAST** **N/A**
< 1/8 **ALBEMARLE, NC 28001**
646 ft.

Site 4 of 4 in cluster B

Relative: Lower

Actual: 591 ft.

UST:

Facility ID:	0-033520
Telephone:	(704) 983-5283
Owner name :	WILCOHESS LLC
Owner Address:	5446 UNIVERSITY PKWY
	WINSTON-SALEM, NC 27105
Owner Phone :	(336) 767-6280

WILCO 382 (Continued) **U001558680**

Tank capacity :	12000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Fiberglass Reinforced Plastic
Interior Protection:	Cathodic Protection
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Installer certified by tank and piping manufacturers
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	FIRST UNION
Region:	03
Tank ID:	1
Date installed:	1/1/1993
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	1/1/1993
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/1/1993
Overfill:	D
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200601924O
Date Last Certified:	12/19/2005
Begin Certified Number:	1/1/2006
End Certified Number:	Not reported
Lat/Long :	35.36130 / -80.18930
Lat/Long 1 :	35 21 40.75 / 80 11 21.54
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	7/9/2004

Facility ID:	0-033520
Telephone:	(704) 983-5283
Owner name :	WILCOHESS LLC
Owner Address:	5446 UNIVERSITY PKWY
	WINSTON-SALEM, NC 27105
Owner Phone :	(336) 767-6280
Tank capacity :	12000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture

WILCO 382 (Continued) **U001558680**

Tank material :	Fiberglass Reinforced Plastic
Interior Protection:	Cathodic Protection
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Installer certified by tank and piping manufacturers
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	FIRST UNION
Region:	03
Tank ID:	2
Date installed:	1/1/1993
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	1/1/1993
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	1/1/1993
Overfill:	D
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200601924O
Date Last Certified:	12/19/2005
Begin Certified Number:	1/1/2006
End Certified Number:	Not reported
Lat/Long :	35.36130 / -80.18930
Lat/Long 1 :	35 21 40.75 / 80 11 21.54
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	7/9/2004

C10 **EAST ALBEMARLE ELEMENTARY SCH** **UST** **U003295360**
WSW **1813 EAST MAIN STREET** **N/A**
1/8-1/4 **ALBEMARLE, NC 28001**
679 ft.

Site 3 of 3 in cluster C

Relative: Higher

Actual: 615 ft.

UST:

Facility ID:	0-035654
Telephone:	(704) 982-5113
Owner name :	STANLY COUNTY BOARD OF EDUCATION
Owner Address:	1000-4 NORTH FIRST STREET
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-4744
Tank capacity :	10000

EAST ALBEMARLE ELEMENTARY SCH (Continued) **U003295360**

Comment :	Not reported
Tank product :	Heating Oil/ Fuel
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Unknown
Piping material :	Unknown
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	1
Date installed:	1/1/1964
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	HEA

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200508240O
Date Last Certified:	9/23/2005
Begin Certified Number:	1/10/2005
End Certified Number:	Not reported
Lat/Long :	35.34980 / -80.16750
Lat/Long 1 :	35 20 59.42 / 80 10 02.95
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	9/26/2002

Facility ID:	0-035654
Telephone:	(704) 982-5113
Owner name :	STANLY COUNTY BOARD OF EDUCATION
Owner Address:	1000-4 NORTH FIRST STREET
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-4744
Tank capacity :	10000
Comment :	Not reported
Tank product :	Heating Oil/ Fuel
Tank material :	Steel

EAST ALBEMARLE ELEMENTARY SCH (Continued) **U003295360**

Interior Protection:	None
Exterior Protection:	Unknown
Piping material :	Unknown
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	2
Date installed:	1/1/1964
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	HEA

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200508240O
Date Last Certified:	9/23/2005
Begin Certified Number:	1/10/2005
End Certified Number:	Not reported
Lat/Long :	35.34980 / -80.16750
Lat/Long 1 :	35 20 59.42 / 80 10 02.95
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	9/26/2002

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11 **C K EARNHARDT & SON INC** **LUST** **U003295471**
NW **1906 BADIN RD** **UST** **N/A**
1/8-1/4 **ALBEMARLE, NC 28001** **IMD**
789 ft.

Relative:
Lower

Actual:
601 ft.

LUST:

Incident Number:	15170		
5 Min Quad:	P57p	Lat/Long:	352120 / 800950
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	0-008903	GPS Confirmed:	Not reported
UST Number:	MO-4547	Testlat:	Not reported
Product Type:	Petroleum	Date Reported:	2/13/1996

Responsible Party:

Company:	CK EARNHARDT AND SON INC
Contact Person:	JOHN EARNHARDT
Address:	1906 BADIN RD

C K EARNHARDT & SON INC (Continued) **U003295471**

City/Stat/Zip: ALBEMARLE, NC 28001
County: ST
Comm / Non-comm UST Site: Commercial
Tank Regulated Status: Regulated
Regional Officer Project Mgr: DSG
Risk Classification: L
Risk Classification Based On Review: H
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Industrial/commercial levels
Closure Request Date: 11/13/2000
Close Out: 11/14/2000
Contamination Type: GW
NORR Issued Date: Not reported
NOV Issued Date: 4/4/1996
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: Not reported
Of Supply Wells: 0
Telephone: 7049825016
Flag: 0
Error Flag: 0
LUR Filed: Not reported
Error Code: Not reported
LUR Filed: Not reported
Valid: No
Date Occur: 2/13/1996
MTBE1: Unknown
Flag1: No
Cleanup: 2/13/1996
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 3
CD Num: 65
Reel Num: 0
RPOW: No
RPOP: No
RPL: No
PIRF/Min Soil : Pirf
Ownership: Private
Location: Facility
Owner/Operator: JOHN EARNHARDT
Operation Type: Commercial
Site Priority: 90D
Priority Update: 5/15/1998
Wells Affected: Not reported
Wells Affected #: 0
Samples Taken: 3
Samples Include: 1
5minquad: Not reported
Error Type: Not reported
Submitted: 3/13/1996
Description: DURING REMOVAL OF UST SOIL AND GW CONTAM. WAS DOCUMENTED.
Last Modified: 12/19/2000
Incident Phase: Closed Out
NOV Issued: 9/20/2000
NORR Issued: Not reported
45 Day Report: Not reported
SOC Sighned: Not reported
Close-out Report: 11/14/2000
RS Designation: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported
Comments: REINSTALL MW-5 SCREEN IS 10' BELOW WATER TABLE

IMD:
Facility ID: 15170
Region: MOR
Date Occurred: 2/13/1996
Submit Date: 3/13/1996
GW Contam: Yes
Soil Contam: No
Incident Desc: DURING REMOVAL OF UST SOIL AND GW CONTAM. WAS DOCUMENTED.
Operator: JOHN EARNHARDT
Contact Phone: 7049825016
Owner Company: CK EARNHARDT AND SON INC
Operator Address: 1906 BADIN RD

C K EARNHARDT & SON INC (Continued) **U003295471**

Operator City:	ALBEMARLE
Oper City,St,Zip:	ALBEMARLE, NC 28001
Ownership:	Private
Operation:	Commercial
Material:	DIESEL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Residential
Risk Site:	L
Site Priority:	90D
Priority Code:	L
Priority Update:	5/15/1998
Dem Contact:	DSG
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Groundwater Samples
7.5 Min Quad:	Not reported
5 Min Quad:	P57P
Latitude:	35.35555555
Longitude:	-80.16388888
Latitude Number:	352120
Longitude Number:	800950
Latitude Decimal:	35.3555555555556
Longitude Decimal:	80.1638888888889
GPS:	NOD
Agency:	DWM
Facility ID:	15170
Last Modified:	12/19/2000
Incident Phase:	Closed Out
NOV Issued:	9/20/2000
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	11/14/2000

UST:

Facility ID:	0-008903
Telephone:	(704) 982-5016
Owner name :	C K EARNHARDT & SON INC
Owner Address:	1906 BADIN ROAD
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-5016
Tank capacity :	7500
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture

C K EARNHARDT & SON INC (Continued) **U003295471**

Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Paint
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	STATE FUND
Region:	03
Tank ID:	1
Date installed:	2/28/1976
Date removed:	1/31/1996
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	F
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	35.35320 / -80.16750
Lat/Long 1 :	35 21 11.41 / 80 10 02.97
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	1/24/2003

Facility ID:	0-008903
Telephone:	(704) 982-5016
Owner name :	C K EARNHARDT & SON INC
Owner Address:	1906 BADIN ROAD
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-5016
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Paint

C K EARNHARDT & SON INC (Continued) **U003295471**

Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Interior lining
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	STATE FUND
Region:	03
Tank ID:	2
Date installed:	2/28/1976
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	B
Spill Overfill Date:	1/18/1993
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	F
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200600577O
Date Last Certified:	6/12/2005
Begin Certified Number:	1/1/2006
End Certified Number:	Not reported
Lat/Long :	35.35320 / -80.16750
Lat/Long 1 :	35 21 11.41 / 80 10 02.97
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	1/24/2003

Facility ID:	0-008903
Telephone:	(704) 982-5016
Owner name :	C K EARNHARDT & SON INC
Owner Address:	1906 BADIN ROAD
	ALBEMARLE, NC 28001
Owner Phone :	(704) 982-5016
Tank capacity :	6000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	Internal Lining
Exterior Protection:	Paint
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Not reported

C K EARNHARDT & SON INC (Continued) **U003295471**

Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Interior lining
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill :	Catchment basins
Financial Responsiblity :	STATE FUND
Region:	03
Tank ID:	3
Date installed:	2/26/1983
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	B
Spill Overfill Date:	1/18/1993
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	F
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200600577O
Date Last Certified:	6/12/2005
Begin Certified Number:	1/1/2006
End Certified Number:	Not reported
Lat/Long :	35.35320 / -80.16750
Lat/Long 1 :	35 21 11.41 / 80 10 02.97
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	1/24/2003

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12 **PRO-TIRE & AUTO** **UST** **U001205107**
NE **315 HWY 740 BYPASS EAST** **N/A**
1/8-1/4 **ALBEMARLE, NC 28001**
1046 ft.

Relative:
Lower

Actual:
571 ft.

UST:

Facility ID:	0-030090
Telephone:	(999) 999-9999
Owner name :	PRO-TIRE & AUTO LANE FURR
Owner Address:	315 HWY 740 BYPASS EAST
	ALBEMARLE, NC 28001
Owner Phone :	(999) 999-9999
Tank capacity :	9999
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material :	Steel
Certify Type :	Not reported

PRO-TIRE & AUTO (Continued) **U001205107**

Leak Detection Type : Not reported
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill : Not reported
Financial Responsiblity : Not reported
Region: 03
Tank ID: 1
Date installed: 9/24/1978
Date removed: 11/30/1992
Status: Permanent Closed
Compartment Tank : No
Main Tank : No
Product Type: NON
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Piping: Not reported
Corrosion Protection Piping Date: Not reported
Overfill: Not reported
Spill Overfill Date: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Tank ID Number: Not reported
Last Update: 3/23/1992

Facility ID: 0-030090
Telephone: (999) 999-9999
Owner name : PRO-TIRE & AUTO LANE FURR
Owner Address: 315 HWY 740 BYPASS EAST

ALBEMARLE, NC 28001
Owner Phone : (999) 999-9999
Tank capacity : 9999
Comment : Not reported
Tank product : Gasoline, Gasoline Mixture
Tank material : Steel
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material : Steel
Certify Type : Not reported
Leak Detection Type : Not reported
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Not reported

PRO-TIRE & AUTO (Continued) **U001205107**

Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	2
Date installed:	9/24/1978
Date removed:	11/30/1992
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	3/23/1992

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13 **LANE FURR/ PRO TIRE AND AUTO** **LUST** **S105764717**
NE **315 HIGHWAY 740-E** **IMD** **N/A**
1/4-1/2 **ALBEMARLE, NC 28001**
1385 ft.

Relative:
Lower

Actual:
574 ft.

LUST:

Incident Number:	15607		
5 Min Quad:	Not reported	Lat/Long:	Not reported
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	Not reported	GPS Confirmed:	Not reported
UST Number:	MO-4614	Testlat:	Not reported
Product Type:	Not reported	Date Reported:	12/15/1992

Responsible Party:

Company:	PRO TIRE & AUTO
Contact Person:	LANE FURR
Address:	315 HIGHWAY 740 E
City/Stat/Zip:	ALBEMARLE, NC 28001
County:	ST

Comm / Non-comm UST Site:	Commercial
Tank Regulated Status:	Regulated
Regional Officer Project Mgr:	GLD
Risk Classification:	L
Risk Classification Based On Review:	L

LANE FURR/ PRO TIRE AND AUTO (Continued) **S105764717**

Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Closure Request Date:	Not reported		
Close Out:	Not reported		
Contamination Type:	GW		
NORR Issued Date:	12/17/1992		
NOV Issued Date:	12/17/1992	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
MTBE:	Not reported	# Of Supply Wells:	0
Telephone:	704-982-6948	Flag:	0
Error Flag:	0	LUR Filed:	Not reported
Error Code:	Not reported	LUR Filed:	Not reported
Valid:	No	Date Occur:	Not reported
MTBE1:	Unknown	Flag1:	No
Cleanup:	12/15/1992	Current Status:	File Located in House
RBCA GW:	Not reported	PETOPT:	Not reported
CD Num:	0	Reel Num:	0
RPOW:	No	RPOP:	No
RPL:	No		
PIRF/Min Soil :	Pirf		
Ownership:	Private	Location:	Facility
Owner/Operator:	LANE FURR	Operation Type:	Commercial
Site Priority:	E?	Priority Update:	5/15/1998
Wells Affected:	No	Wells Affected #:	0
Samples Taken:	3	Samples Include:	1
5minquad:	Not reported	Error Type:	Not reported
Submitted:	6/18/1996		
Description:	GW SAMPLE CONFIRMED BENZENE AT 138 PPB.		
Last Modified:	Not reported		
Incident Phase:	**Response**		
NOV Issued:	Not reported	NORR Issued:	Not reported
45 Day Report:	Not reported	SOC Sighned:	Not reported
Close-out Report:	Not reported	RS Designation:	Not reported
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
Reclassification Report:	Not reported		
Closure Request Date:	Not reported		
Comments:	Not reported		

IMD:

Facility ID:	15607
Region:	MOR
Date Occurred:	Not reported
Submit Date:	6/18/1996
GW Contam:	Yes
Soil Contam:	No
Incident Desc:	GW SAMPLE CONFIRMED BENZENE AT 138 PPB.
Operator:	LANE FURR
Contact Phone:	704-982-6948
Owner Company:	PRO TIRE & AUTO
Operator Address:	315 HIGHWAY 740 E
Operator City:	ALBEMARLE
Oper City,St,Zip:	ALBEMARLE, NC 28001
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported

LANE FURR/ PRO TIRE AND AUTO (Continued) **S105764717**

Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: L
Site Priority: E?
Priority Code: L
Priority Update: 5/15/1998
Dem Contact: GLD
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: DWM
Facility ID: 15607
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

14
West
1/4-1/2
1547 ft.

COCA-COLA BOTTLING CO. CONS.
1610 EAST MAIN STREET
ALBEMARLE, NC 28001

LUST **U001191155**
UST **N/A**
IMD

Relative:
Lower

Actual:
586 ft.

LUST:
Incident Number: 27062
5 Min Quad: Not reported
Source Type: Leak-underground
Facility ID: 0-008404
UST Number: MO-6526
Product Type: Petroleum
Lat/Long: Not reported
Region: Mooresville
GPS Confirmed: 7
Testlat: Not reported
Date Reported: 9/23/2002
Responsible Party:
Company: ALBEMARLE COCA-COLA BOTTLING
Contact Person: Not reported
Address: PO BOX 31487
City/Stat/Zip: CHARLOTTE, NC 28231
County: Not reported
Comm / Non-comm UST Site: Commercial

COCA-COLA BOTTLING CO. CONS. (Continued) **U001191155**

Tank Regulated Status: Regulated
Regional Officer Project Mgr: DSG
Risk Classification: L
Risk Classification Based On Review: L
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Residential levels
Closure Request Date: Not reported
Close Out: 7/7/2003
Contamination Type: SL
NORR Issued Date: Not reported

NOV Issued Date:	Not reported	Phase Of LSA Req:	2
Site Risk Reason:	Not reported	Land Use:	Industrial/commercial
MTBE:	0	# Of Supply Wells:	0
Telephone:	Not reported	Flag:	0
Error Flag:	0	LUR Filed:	7/14/2003
Error Code:	Not reported	LUR Filed:	7/14/2003
Valid:	No	Date Occur:	8/26/2002
MTBE1:	Unknown	Flag1:	No
Cleanup:	9/23/2002	Current Status:	File Located in Archives
RBCA GW:	G2	PETOPT:	3
CD Num:	186	Reel Num:	0
RPOW:	Yes	RPOP:	No
RPL:	No		
PIRF/Min Soil :	Not reported		
Ownership:	Private	Location:	Facility
Owner/Operator:	Not reported	Operation Type:	Commercial
Site Priority:	Not reported	Priority Update:	Not reported
Wells Affected:	No	Wells Affected #:	Not reported
Samples Taken:	Yes	Samples Include:	S
5minquad:	Not reported	Error Type:	Not reported

Submitted: 9/23/2002
Description: 1400 GRO AND 910 DRO; TWO TANKS COCA OWNS DIESEL AND HERLOCKER OWNS GAS
Last Modified: 7/7/2003
Incident Phase: Closed Out

NOV Issued:	Not reported	NORR Issued:	10/29/2002
45 Day Report:	Not reported	SOC Sighned:	Not reported
Close-out Report:	Not reported	RS Designation:	Not reported

Public Meeting Held: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported
Comments: SOIL SAMPLING PERFORMED TO DETERMINE IF ONE GASOLINE AND ONE DIESEL UST STILL IN GROUND AND IF SOIL HAS BEEN IMPACTED. TANKS REMOVED IN 1988 ACCORDING TO SIPS. SOIL SAMPLING DETECTED CONTAMINATION AS HIGH AS 1400 PPM TPH GRO AND 910 PPM TPH DRO. ALBEMARLE COCA-COLA BOTTLING (0-008404) IS OWNER OF DIESEL UST AND HERLOCKER FUEL CO. OF ALBEMARLE (0-024887) IS OWNER OF GASOLINE UST.

IMD:
Facility ID: 27062
Region: MOR
Date Occurred: 8/26/2002
Submit Date: 9/23/2002
GW Contam: No
Soil Contam: Yes
Incident Desc: 1400 GRO AND 910 DRO; TWO TANKS COCA OWNS DIESEL AND HERLOCKER OWNS GAS
Operator: Not reported

COCA-COLA BOTTLING CO. CONS. (Continued) **U001191155**

Contact Phone: Not reported
Owner Company: ALBEMARLE COCA-COLA BOTTLING
Operator Address: PO BOX 31487
Operator City: CHARLOTTE
Oper City,St,Zip: CHARLOTTE, NC 28231
Ownership: Private
Operation: Commercial
Material: DIESEL
Qty Lost 1: UNKNOWN
Qty Recovered 1: NONE
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: DSG
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Y
Samples Include: S
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: UNK
Agency: DWM
Facility ID: 27062
Last Modified: 7/7/2003
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: 10/29/2002
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

UST:
Facility ID: 0-008404
Telephone: (704) 982-9125
Owner name : COCA COLA BOTTLING CO CONSOLIDAT
Owner Address: 1900 REXFORD ROAD

CHARLOTTE, NC 28211
Owner Phone : (704) 551-4023

COCA-COLA BOTTLING CO. CONS. (Continued) **U001191155**

Tank capacity :	1000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	03
Tank ID:	1
Date installed:	4/30/1956
Date removed:	1/10/1988
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON

Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Tank ID Number:	Not reported
Last Update:	8/28/1996

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15 **STANLY COUNTY SCHOOL BUS GARAG** **LUST** **S105764890**
WNW **1541 FREEMAN AVENUE** **IMD** **N/A**
1/4-1/2 **ALBEMARLE, NC 28002**
2355 ft.

Relative:
Lower

Actual:
587 ft.

LUST:

Incident Number:	22241		
5 Min Quad:	P58T	Lat/Long:	352115 / 801026
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	0-000265	GPS Confirmed:	Not reported
UST Number:	MO-5970	Testlat:	Not reported
Product Type:	Petroleum	Date Reported:	8/1/2000

STANLY COUNTY SCHOOL BUS GARAG (Continued) **S105764890**

Responsible Party:
Company: STANLY COUNTY SCHOOLS
Contact Person: BOB WILLIAMSON
Address: PO BOX 220
City/Stat/Zip: ALBEMARLE, NC 28002
County: STANLY
Comm / Non-comm UST Site: Non commercial
Tank Regulated Status: Non Regulated
Regional Officer Project Mgr: MAB
Risk Classification: L
Risk Classification Based On Review: L
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Not reported
Closure Request Date: 8/22/2001
Close Out: 8/24/2001
Contamination Type: SL
NORR Issued Date: 8/24/2000
NOV Issued Date: 2/7/2001
Site Risk Reason: Gross contaminant levels
MTBE: 0
Telephone: 7049824744
Error Flag: 0
Error Code: Not reported
Valid: No
MTBE1: Unknown
Cleanup: 6/12/2000
RBCA GW: Not reported
CD Num: 65
RPOW: No
RPL: No
PIRF/Min Soil : Not reported
Ownership: Not reported
Owner/Operator: Not reported
Site Priority: Not reported
Wells Affected: Not reported
Samples Taken: Not reported
5minquad: Not reported
Submitted: Not reported
Description: Not reported
Last Modified: 9/10/2001
Phase Of LSA Req: 1
Land Use: Industrial/commercial
Of Supply Wells: 0
Flag: 0
LUR Filed: Not reported
LUR Filed: Not reported
Date Occur: 6/12/2000
Flag1: No
Current Status: File Located in Archives
PETOPT: 4
Reel Num: 0
RPOP: No
Location: Not reported
Operation Type: Not reported
Priority Update: Not reported
Wells Affected #: Not reported
Samples Include: Not reported
Error Type: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
45 Day Report: Not reported
Close-out Report: 8/24/2001
NORR Issued: Not reported
SOC Sighned: Not reported
RS Designation: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported
Comments: 10 DAY LETTER SENT 8/2/01 FOR LSA

IMD:
Facility ID: 22241
Region: MOR
Date Occurred: 6/12/2000
Submit Date: 8/1/2000
GW Contam: No
Soil Contam: Yes
Incident Desc: Not reported

STANLY COUNTY SCHOOL BUS GARAG (Continued) **S105764890**

Operator:	BOB WILLIAMSON
Contact Phone:	7049824744
Owner Company:	STANLY COUNTY SCHOOLS
Operator Address:	PO BOX 220
Operator City:	ALBEMARLE
Oper City,St,Zip:	ALBEMARLE, NC 28002
Ownership:	Not reported
Operation:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Not reported
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	MAB
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.35416666
Longitude:	-80.17388888
Latitude Number:	352115
Longitude Number:	801026
Latitude Decimal:	35.3541666666667
Longitude Decimal:	80.1738888888889
GPS:	NOD
Agency:	DWM
Facility ID:	22241
Last Modified:	9/10/2001
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	8/24/2001

D16 **TUCKER PROPERTY** **LUST TRUST** **S105593125**
West **1451 EAST MAIN STREET** **N/A**
1/4-1/2 **ALBERMARLE, NC**
2525 ft.

Site 1 of 2 in cluster D

Relative:
Lower

Actual:
590 ft.

LUST TRUST:

Facility ID :	Y	
Site ID :	18874	
Site Note:	Albermarle	
Site Eligible?:	No	
Commercial Find :	100% Non-Commercial	
Priority Rank:	Not reported	
3rd Party Deductable Amount:		0
Sum of 3rd Party Amounts Applied:		0
Deductable Amount:	5000	

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST detail in the EDR Site Report.

D17 **TUCKER PROPERTY** **LUST** **S103717166**
West **1451 E. MAIN ST.** **IMD** **N/A**
1/4-1/2 **ALBEMARLE, NC 28001**
2525 ft.

Site 2 of 2 in cluster D

Relative:
Lower

Actual:
590 ft.

LUST:

Incident Number:	18874		
5 Min Quad:	P58T	Lat/Long:	352108 / 801027
Source Type:	Leak-underground	Region:	Mooresville
Facility ID:	Not reported	GPS Confirmed:	Not reported
UST Number:	MO-5427	Testlat:	Not reported
Product Type:	Petroleum	Date Reported:	7/17/1998
Responsible Party:			
Company:	Not reported		
Contact Person:	WALLACE TUCKER		
Address:	1435 RIVERSHYRE PARKWAY		
City/Stat/Zip:	LAWRENCEVILLE, GA 30043		
County:	Not reported		
Comm / Non-comm UST Site:	Commercial		
Tank Regulated Status:	Both at same site		
Regional Officer Project Mgr:	DSG		
Risk Classification:	H		
Risk Classification Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Closure Request Date:	11/13/2000		
Close Out:	12/7/2000		
Contamination Type:	SL		
NORR Issued Date:	7/19/2000		
NOV Issued Date:	Not reported	Phase Of LSA Req:	1
Site Risk Reason:	Not reported	Land Use:	Not reported
MTBE:	Not reported	# Of Supply Wells:	0
Telephone:	770-3388357	Flag:	0
Error Flag:	0	LUR Filed:	Not reported
Error Code:	Not reported	LUR Filed:	Not reported
Valid:	No	Date Occur:	4/16/1998
MTBE1:	Unknown	Flag1:	No
Cleanup:	4/16/1998	Current Status:	File Located in Archives
RBCA GW:	Not reported	PETOPT:	4
CD Num:	81	Reel Num:	0

TUCKER PROPERTY (Continued) **S103717166**

RPOW:	No	RPOP:	No
RPL:	No		
PIRF/Min Soil :	Min_Soil		
Ownership:	Private	Location:	Not reported
Owner/Operator:	WALLACE TUCKER	Operation Type:	Industrial
Site Priority:	Not reported	Priority Update:	8/24/1998
Wells Affected:	Not reported	Wells Affected #:	Not reported
Samples Taken:	Not reported	Samples Include:	Not reported
5minquad:	Not reported	Error Type:	P
Submitted:	7/17/1998		
Description:	UST CLOSURE		
Last Modified:	1/17/2001		
Incident Phase:	**Closed Out**		
NOV Issued:	Not reported	NORR Issued:	Not reported
45 Day Report:	Not reported	SOC Sighned:	Not reported
Close-out Report:	12/7/2000	RS Designation:	Not reported
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
Reclassification Report:	Not reported		
Closure Request Date:	Not reported		
Comments:	Not reported		

IMD:

Facility ID:	18874
Region:	MOR
Date Occurred:	4/16/1998
Submit Date:	7/17/1998
GW Contam:	No
Soil Contam:	Yes
Incident Desc:	UST CLOSURE
Operator:	WALLACE TUCKER
Contact Phone:	770-3388357
Owner Company:	Not reported
Operator Address:	1435 RIVERSHYRE PARKWAY
Operator City:	LAWRENCEVILLE
Oper City,St,Zip:	LAWRENCEVILLE, GA 30043
Ownership:	Private
Operation:	Industrial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	HEATING OIL
Qty Lost:	Not reported
Qty Recovered:	Not reported
Material:	KEROSENE
Qty Lost:	Not reported
Qty Recovered 3:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Not reported
Setting:	Not reported
Risk Site:	H
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	8/24/1998
Dem Contact:	DSG
Wells Affected:	Not reported
Num Affected:	Not reported

TUCKER PROPERTY (Continued) **S103717166**

Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.35222222
Longitude:	-80.17416666
Latitude Number:	352108
Longitude Number:	801027
Latitude Decimal:	35.3522222222222
Longitude Decimal:	80.1741666666667
GPS:	NOD
Agency:	DWM
Facility ID:	18874
Last Modified:	1/17/2001
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	12/7/2000

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALBEMARLE	U003562345	MIN O PON	ROUTE 1, BOX 101	28001	LUST, UST, IMD
ALBEMARLE	S105707228	EFIRDS BACKHOE SERVICE (FORMER	HIGHWAY 135		LUST, IMD
ALBEMARLE	U003876613	REID EFIRD BACKHOE SERVICE	28170 HWY 138	28001	UST
ALBEMARLE	U001191880	NORTH CAROLINA NATURAL GAS CO	SR 1734, OFF HIGHWAY 24-27 EAS	28001	UST
ALBEMARLE	S105764781	HWY 205 @ 24/27	HWY 205@ 24/27	28001	LUST
ALBEMARLE	1004746716	RUSSELL S AUTOMOTIVE	201 HWY 24 & 27 BYPASS	28001	RCRA-SQG, FINDS
ALBEMARLE	S105764585	CANTON RD MINI MART	HWY 24 W.		LUST, IMD
ALBEMARLE	U003562300	BELK 018	HIGHWAY 24-27 BY-PASS	28001	UST
ALBEMARLE	S105764642	DOBY TRUST - WHITE OAK RANCH F	HWY 24/27		LUST, IMD
ALBEMARLE	U001187370	FROG POND 66	HWY 24/27 WEST	28001	LUST, UST, IMD
ALBEMARLE	U001187371	GREEN TOP 66	HWY 24/27 EAST	28001	UST
ALBEMARLE	U003563490	MIN O PON	44038 HWY 24/27 EAST	28001	UST
ALBEMARLE	S106195887	METAL MAINTENANCE	28150 HWY 24/27		LUST, IMD
ALBEMARLE	S106195888	PHILLIPS 66 FORMER	HIGHWAY 24/27		LUST, IMD
ALBEMARLE	S106195889	MILTONS GROCERY/GAS FORMER	HIGHWAY 24/27		LUST, IMD
ALBEMARLE	S102611241	MORGAN MILLS (DAWSON PLANT #6)	200 HWY 24/27		LUST, IMD
ALBEMARLE	S107405229	CANTON ROAD MINIMART #2	32227 HIGHWAY 24/27 WEST		LUST, IMD
ALBEMARLE	S105764489	PHILLIPS 66-HWY 24/27	HWY 24/27-73		LUST, IMD
ALBEMARLE	A100187953	JEFFERIES SOUTHERN PROCESSORS	HWY 27 BYPASS		AST
ALBEMARLE	U003134583	CHARLES HARRINGTON	ROUTE 4, BOX 536	28001	UST
ALBEMARLE	S104913933	AREY/TAYLOR WELLS	24459 HIGHWAY 52	28001	IMD
ALBEMARLE	S106349248	SERVCO 00115 (WILCO #381)	2325 HIGHWAY 52 NORTH	28001	LUST, IMD
ALBEMARLE	U001201752	HIGHWAY 52 66 STATION	HIGHWAY 52	28001	UST
ALBEMARLE	U003202332	WILCO 381	2325 HWY 52 NORTH	28001	UST
ALBEMARLE	U003698125	QUIK CHECK 18	100 HWY 52 SOUTH	28001	UST
ALBEMARLE	U001191298	CONCORD ROAD GULF	ROUTE 73	28001	UST
ALBEMARLE	U001191456	ALL STAR MILLS. INC.	HIGHWAY 73 WEST	28001	UST
ALBEMARLE	S105218959	FAST STOP #1	HIGHWAY 73 EAST		LUST TRUST
ALBEMARLE	S101714831	DOBY TRUST - EGG PLANT & HATCH	HWY 73 W		LUST, IMD
ALBEMARLE	1007371182	HAWOOD PROPERTY/STROUD IMAGES	16683 NC HWY 138	28001	RCRA-SQG
ALBEMARLE	S106799528	FAST STOP #1	28488 73 HWY	28001	LUST, IMD
ALBEMARLE	U003008330	TIME WARNER CABLE	24513 NC HWY 73	28001	UST
ALBEMARLE	S105764923	BURRIS ALTON PROPERTY (FORMER)	NC HWY 24-27		LUST, IMD
ALBEMARLE	U001190943	E-Z SHOPPE	EAST MAIN STREET	28001	UST
ALBEMARLE	U001206415	CONCORD TELEPHONE MICROWAVE T	NELSON MOUNTAIN - HWY 73	28001	UST
ALBEMARLE	S104913482	LONG CREEK WWTP	S. OF HWY 73. ALBEMARLE		IMD
MILLINGPORT	U002217197	HALL'S MOTORCYCLE SHOP	HWY 73	28001	UST
MILLINGPORT	U001207073	MILLINGPORT ELEMENTARY SCHOOL	24198 NC HWY 73 WEST	28001	UST
MOUNT GILEAD	U001200825	BLACKWELL MINI MART	MAIN STREET	28001	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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 07/25/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 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: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/17/2006
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: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/19/2006
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6064
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

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: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 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: 07/21/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 04/12/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 42

Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/1995
Date Data Arrived at EDR: 03/10/1997
Date Made Active in Reports: 05/02/1997
Number of Days to Update: 53

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IMD: Incident Management Database
Groundwater and/or soil contamination incidents

Date of Government Version: 04/01/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 27

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 08/01/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

SWF/LF: List of Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 27

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 04/03/2006
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 Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 07/27/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 06/02/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 05/04/2006
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 Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 05/09/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/12/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 23

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 04/12/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 41

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Semi-Annually

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 04/12/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 42

Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

VCP: Responsible Party Voluntary Action Sites

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 04/12/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 42

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 04/04/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 40

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 02/14/2006
Date Made Active in Reports: 03/08/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/22/2006
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 05/19/2006
Next Scheduled EDR Contact: 08/28/2006
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

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 01/01/2006
Date Data Arrived at EDR: 02/27/2006
Date Made Active in Reports: 03/28/2006
Number of Days to Update: 29

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 01/01/2006
Date Data Arrived at EDR: 02/27/2006
Date Made Active in Reports: 03/28/2006
Number of Days to Update: 29

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 07/25/2006
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: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

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.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

JESSE F. NIVEN JR. USARC
1816 EAST MAIN STREET
ALBEMARLE, NC 28001

TARGET PROPERTY COORDINATES

Latitude (North):	35.35080 - 35° 21' 2.9''
Longitude (West):	80.1665 - 80° 9' 59.4''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	575734.9
UTM Y (Meters):	3912066.8
Elevation:	612 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	35080-C2 ALBEMARLE, NC
Most Recent Revision:	1996

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).

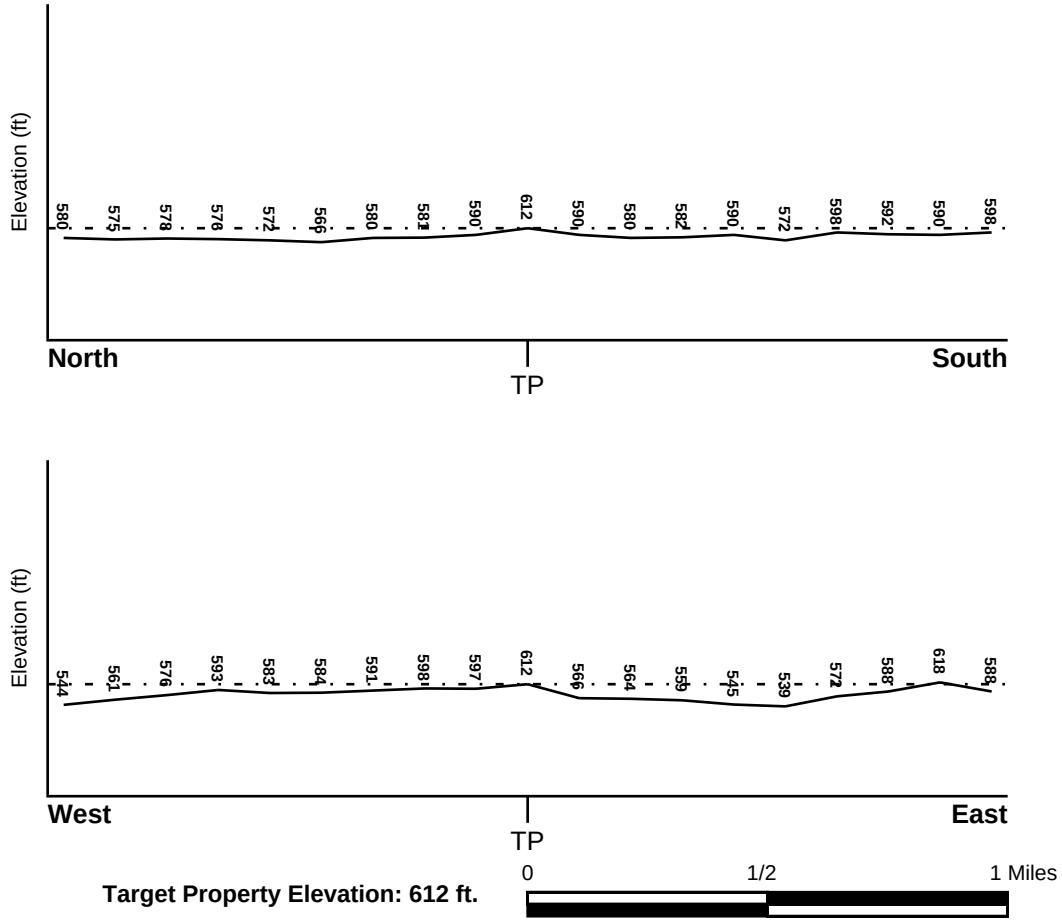
TOPOGRAPHIC INFORMATION

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 ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
STANLY, NC	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
ALBEMARLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

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:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	Ce *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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:	TATUM
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 40 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	6 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
2	6 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	42 inches	46 inches	weathered bedrock	Not reported	Not reported	Max: 0.06 Min: 0.00	Max: 0.00 Min: 0.00

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: clay loam
loam
fine sandy loam
channery - silt loam

Surficial Soil Types: clay loam
loam
fine sandy loam
channery - silt loam

Shallow Soil Types: clay loam
very channery - silt loam
silt loam
sandy clay loam

Deeper Soil Types: silty clay loam
sandy loam
silt loam
unweathered bedrock

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
No Wells Found		

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		

OTHER STATE DATABASE INFORMATION

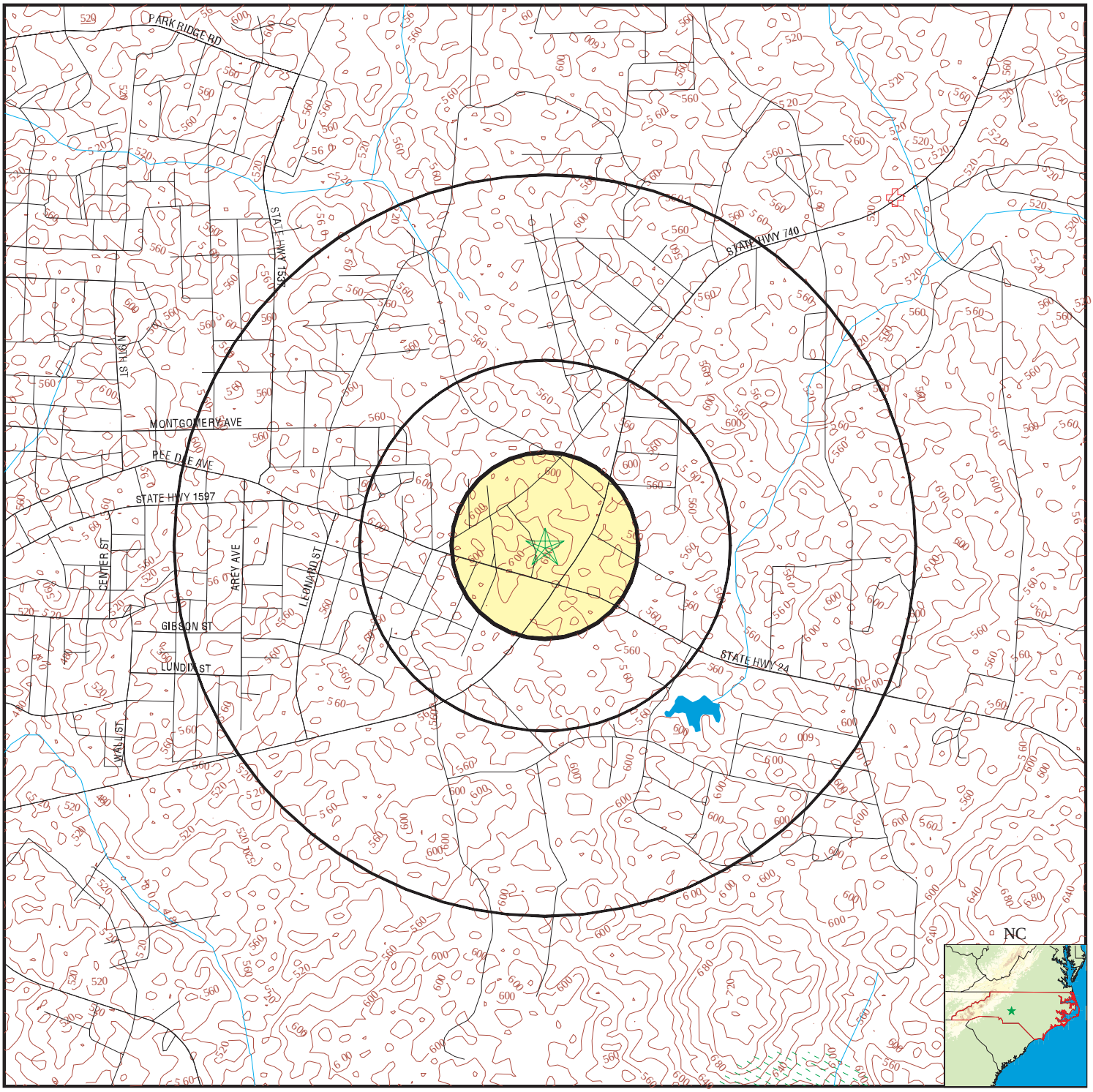
NORTH CAROLINA NATURAL HERITAGE ELEMENT OCCURRENCES

ID	Class
NC50010709	Plants

NORTH CAROLINA SIGNIFICANT NATURAL HERITAGE AREAS DATABASE:

ID	Name
NC10000716	UNION CHAPEL ENON KNOLLS

PHYSICAL SETTING SOURCE MAP - 01727047.1r



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME: Jesse F. Niven Jr. USARC	CLIENT: FMSM Engineers
ADDRESS: 1816 East Main Street Albemarle NC 28001	CONTACT: Rob Newman
LAT/LONG: 35.3508 / 80.1665	INQUIRY #: 01727047.1r DATE: August 01, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance		Database	EDR ID Number
		NC_NHEO	**NC50010709**
GIS ID:	191611		
Classification by Type:	Plants		
Occurrence Status:	Historic, no evidence of destruction		
		NC_SNHA	**NC10000716**
Site Name:	UNION CHAPEL ENON KNOLLS		
Quality:	Not Reported		
Acres per Polygon:	405.43		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

County	Result Type	Total Sites	Avg pCi/L	Range pCi/L
STANLY	Statistical	5	0.86	0.30-2.00
STANLY	Non-Statistical	37	2.56	0.00-12.30

Federal EPA Radon Zone for STANLY County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 28001

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.450 pCi/L	100%	0%	0%

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.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

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

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or hight quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

August 7, 2006 O.1.1.LV2004028L01

Division of Waste Management
ATTN: File Review Request
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

Adrian B. Rhodes AFRC, 2144 W Lake Shore Drive, Wilmington NC 28401
Jesse F. Niven Jr. USARC, 18163 East Main Street, Albemarle NC 28001

I am requesting that you review your environmental records and advise if you have any file information regarding the subject site. Please indicate below whether such records exist and return this letter via fax to (502) 292-6995 or call me at (502) 212-5006. Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

_____ No, we have no environmental records for the sites listed.

_____ Yes, we have information on file for the sites listed.

August 7, 2006 O.1.1.LV2004028L01

NC Division of Water Quality
ATTN: File Review Request
512 N. Salisbury St.
Raleigh, NC 27604

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

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Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

_____ No, we have no environmental records for the sites listed.

_____ Yes, we have information on file for the sites listed.

August 7, 2006 O.1.1.LV2004028L01

Division of Air Quality
ATTN: File Review Request
1641 Mail Service Center
Raleigh, NC 27699-1641

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

Adrian B. Rhodes AFRC, 2144 W Lake Shore Drive, Wilmington NC 28401
Jesse F. Niven Jr. USARC, 18163 East Main Street, Albemarle NC 28001

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Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

_____ No, we have no environmental records for the sites listed.

_____ Yes, we have information on file for the sites listed.

August 7, 2006 O.1.1.LV2004028L01

Division of Waste Management
Underground Storage Tanks
ATTN: File Review Request
401 Oberlin Road - Suite 150
Raleigh, NC 27605

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

Adrian B. Rhodes AFRC, 2144 W Lake Shore Drive, Wilmington NC 28401
Jesse F. Niven Jr. USARC, 18163 East Main Street, Albemarle NC 28001

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Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

_____ No, we have no environmental records for the sites listed.

_____ Yes, we have information on file for the sites listed.

Fuller Mossbarger Scott & May
FMSM
ENGINEERS

1901
Nelson Miller Parkway
Louisville, Kentucky
40223-2177

502-212-5000
502-212-5055 FAX

www.fmsm.com

August 15, 2006

O.1.1.LV2006038L01

RECEIVED
AUG 25 2006
FULLER, MOSSBARGER, SCOTT & MAY
ENGINEERS, INC.

Division of Air Quality
ATTN: File Review Request
1641 Mail Service Center
Raleigh, North Carolina 27699-1641

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

Adrian B. Rhodes AFRC, 2144 W Lake Shore Drive, Wilmington NC 28401 – New Hanover Co.
Jesse F. Niven Jr. USARC, 18163 East Main Street, Albemarle NC 28001 – Stanly Co.

I am requesting that you review your environmental records and advise if you have any file information regarding the subject site. Please indicate below whether such records exist and return this letter via fax to (502) 292-6995 or call me at (502) 212-5006. Thank you for your assistance.

Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

X No, we have no environmental records for the sites listed.

____ Yes, we have information on file for the sites listed.

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

MICHAEL F. EASLEY, GOVERNOR
WILLIAM G. ROSS, JR., SECRETARY
DEXTER R. MATTHEWS, DIRECTOR

NCDENR

FAX TRANSMITTAL RECORD

DATE: 8/21/06

TO: Robert Newman

FAX #: 502-292-6995

FROM: John Powers, Superfund Section

RE: Site Files

Number of pages (including cover) 4

Comments: We do have files for the requested sites (although the street address for the Stanly County/Albemarle site is slightly different). To make an appointment to view these files, please contact Scott Ross at 919-508-8475.

Confirm receipt of document(s):

_____, Superfund Section (919) 733-2801, ext. _____

SF/slb(C:\WPWIN50\WPDOCS\SF\SF-FAX.FRM)

1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE: 919-733-4996 \ FAX: 919-715-3605

John Powers (Dianne Thomas) Dry Cleaners File Room

Fuller Mossbarger Scott & May
ENGINEERS

[illegible]
Louisville, Kentucky
[illegible]

502 212 5000
[illegible]

www.fmsm.com

August 15, 2006

O.1.1.LV2006038L03

Division of Waste Management
ATTN: File Review Request
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Re: Request for File Review
Phase I Environmental Site Assessment
Albemarle and Wilmington, NC

Dear Records Review:

We are conducting a Phase I Environmental Site Assessment and would like to check on any files which may be available for the following sites. The sites and addresses are listed below:

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Sincerely,

FULLER, MOSSBARGER, SCOTT, AND MAY
ENGINEERS, INC.

Robert Newman

/cdm

_____ No, we have no environmental records for the sites listed.

__✓__ Yes, we have information on file for the sites listed.

Inactive Hazardous Sites Inventory
By County
Includes Duplicates and No Further Action Sites

ID #	Site Name	Address	City
COUNTY: NEW HANOVER			
NCD981929557	ALANDALE DR 4008 CHEMICALS	4008 ALANDALE DRIVE	WILMINGTON
NCD040049173	AMOCO OIL COMPANY	3345 RIVER ROAD	WILMINGTON
NCD986171965	CARO-KNIT	SMITH CREEK PKWY & 23RD	WILMINGTON
NCD000830646	CAROLINA P&L CO. SUTTON STEAM	HWY 421	WILMINGTON
NONCD0000015	CENTRAL TRANSPORT COMPANY	215 SAMPSON ST	WILMINGTON
NCD980557813	CONTAINER PRODUCTS CORP.	1223 N. 23RD STREET	WILMINGTON
NCD003938586	CORNING GLASS WORKS	310 NORTH COLLEGE ROAD	WILMINGTON
NCD006991210	DEPOORTERE CORPORATION	240 CASTLE HAYNE RD	WILMINGTON
NONCD0001138	DEUTSCH RELAYS	221 GARDNER DR	WILIMINGTON
NCD042890525	DIAMOND SHAMROCK CORP/MARIETTA	SR 1002	CASTLE HAYNE
NCD057454670	DIAMOND SHAMROCK CORP/OCCIDENTAL	SR 1002	CASTLE HAYNE
NCD980557821	DOW CHEMICAL PLANT CAPE FEAR	MOTSU BUFFER ZONE	CAPE FEAR
NCD980503056	FLEMINGTON LANDFILL	FAYETTEVILLE AVE	WILMINGTON
NCD050409150	GENERAL ELECTRIC CO/WILMINGTON	US 117, CASTLE HAYNE RD	WILMINGTON
NCD990734055	HERCOFINA/CAPE INDUSTRIES	HWY 421 N	WILMINGTON
NCN000407480	HORTON IRON & METAL	2216 US HWY 421 N	WILMINGTON
NCD980557839	IDEAL BASIC INDS/PLANT MARL QUARRY	HOLLY SHELTER ROAD	CASTLE HAYNE
NONCD0000031	INDEPENDENCE MALL OUTPARCEL	OLEANDER & FORDHAM RDS	WILMINGTON
NCD986171973	MCRAE STREET LANDFILL	MCRAE STREET	WILMINGTON
NCD000772046	MOBIL OIL CORP/KOCH REFINING	3335 RIVER RD	WILMINGTON
NCD981021157	NEW HANOVER COUNTY AIRPORT BURN	GARDNER DRIVE	WILMINGTON
NCD990715070	NEW HANOVER CY & CAROLINA LDFL	SR 1534/DOW RD	CAROLINA BEACH
NCD053530234	NORTHEAST CHEMICAL COMPANY	HWY 421	CAPE FEAR
NCD986186518	OLD ATC REFINERY	801 SURRY STREET	WILMINGTON
NCD075562074	POTTER'S SEPTIC TANK SERVICE	MASONBORO LOOP RD	WILMINGTON
NCD986187094	REASOR CHEMICAL	ROUTE 132	CASTLE HAYNE
NC0000102228	SHACKLEFORD BANKS DRUMS		WILMINGTON
NCD980801484	SHEPARD CHEMICAL WORKS	US 70 EAST	WILMINGTON
NCD057451270	SINGER CO/AAF-MCQUAY	602 SUNNYVALE DRIVE	WILMINGTON
NCN000407584	SOUTHERN METALS RECYCLING, INC	1002 SOUTH FRONT STREET	WILMINGTON
NCD058517467	SOUTHERN WOOD PIEDMONT COMPANY	GREENFIELD ST	WILMINGTON
→ NC0210021929	USA RESERVE XVIII AIRBORNE CORPS	2144 LAKESHORE DR	WILMINGTON
NC0002178580	VC CHEMICAL-ALMONT WORKS	2400 US 421 NORTH	WILMINGTON
NONCD0001105	WETSIG YACHTS	4022 MARKET STREET	WILMINGTON
NCD986188910	WILMINGTON COAL GAS PLANT	CASTLE & SURRY STS	WILMINGTON
NCN000407302	WILMINGTON GUN CLUB (FORMER)	MILITARY CUTOFF ROAD	WILMINGTON
NONCD0001042	WILMINGTON SOUTH LINE & SERVICE YD	6854 CAROLINA BEACH ROA	WILMINGTON
TOTAL: 37			

Total Number of Sites in Inventory: 37

Inactive Hazardous Sites Inventory
By County
Includes Deleted Sites and No Further Actions Sites

ID #	Site Name	Address	City
COUNTY: STANLY			
NCD986171320	ALCOA BADIN LANDFILL	SR 1704	BADIN
NCD003162542	ALCOA BADIN WORKS	HWY 740	BADIN
NONCD0001094	ALLISON MANUFACTURING CO	930 OLD CHARLOTTE ROAD	ALBEMARLE
NONCD0001063	ARROWOOD, INC	13183 INDIAN MOUND ROAD	NORWOOD
NONCD0000053	CAROLINA MARBLE CO.	INDIAN MOUND ROAD	ALBEMARLE
NCD980557730	CAROLINA SOLITE CORPORATION	SR 2001	NORWOOD
NONCD0001120	EATON AEROQUIP, INC (FORMER)	680 LANIER RD	NORWOOD
NONCD0001137	FABCO FASTENING SYSTEMS/DIXIE YARN	NC 200	STANFIELD
NCD000773655	OLDOVER CORP/CAROLINA SOLITE	RT 2 - SR 2001	NORWOOD
NONCD0000001	STANLY NEWS & PRESS	237 W NORTH STREET	ALBEMARLE
→ NC6210022046	USA RESERVE XVIII AIRBORNE CORPS	1816 E MAIN ST	ALBEMARLE
TOTAL: 11			

Total Number of Sites in Inventory: 11