

TARGETED BROWNFIELD ASSESSMENT

For

Oklahoma Army National Guard
Former Weatherford Armory
Weatherford, Oklahoma

ASTM E 1527-05
Phase I Environmental Site Assessment
All Appropriate Inquiry

Prepared by:



March 31, 2014

Prepared for:

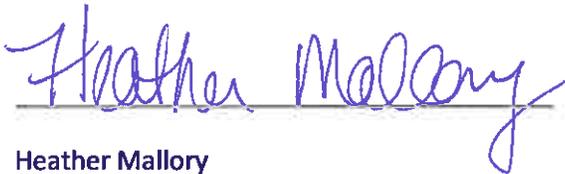
City of Weatherford
223 West Rainey Ave
Weatherford, Oklahoma 73096

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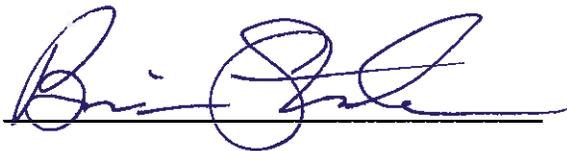
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I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

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1.0 Executive Summary

On April 23, 2013, Brian Stanila, Dustin Davidson, and Rebecca Marfurt of the Oklahoma Department of Environmental Quality (DEQ) performed a site reconnaissance of the former Weatherford National Guard Armory located in the SW ¼ of the SW ¼ of the SW ¼ of Section 8, Township 12N, Range 14W, in Custer County, Oklahoma, as part of a Targeted Brownfield Assessment (TBA). The subject property is situated in the southwestern side of the City of Weatherford in a commercial/industrial development. The Weatherford Armory was constructed in 1938 and is listed on the National Register of Historic Places (NRHP). The purpose of the TBA was to identify potential environmental concerns by reviewing historical data, regulatory information, and by performing a visual inspection of the site and surrounding area. The following is an executive summary of the environmental site assessment results:

- The subject property is contaminated with lead hazards including lead-based paint, lead dust, and fragmented lead from the sand trap of the indoor firing range (IFR). The Oklahoma DEQ's Site Cleanup Assistance Program (SCAP) plans to remediate any lead contamination on the subject property and properly dispose of all associated waste. Lead contamination in the building is a recognized environmental concern (REC).
- The subject property contains asbestos containing materials (ACM) and it was identified as non-friable Category II. The ACM is present in the window caulking throughout the building. DEQ's SCAP plans to abate or remove any ACM present in the building. Asbestos contamination in the building is a REC.
- Historically, there was one underground storage tank (UST) on the subject property. It had a 1,000 gallon capacity and was used to store gasoline. According to the Oklahoma Corporation Commission (OCC) Closure Report the UST was installed in 1958, closed on July 13, 1993, and removed from the subject property on September 15, 1993. No leaks were reported to the OCC for the UST. During the site visit on April 23, 2013, there was no sign of the UST or soil staining, and the pump island had been removed as well. The UST is considered a historical recognized environmental condition (HREC).
- Eleven (11) leaking underground storage tank (LUST) sites were found within a ½ mile radius of the subject property. One LUST site is on an adjacent property to the north (8th Street Station). Monitoring wells were installed on the subject property to help delineate the total petroleum hydrocarbon (TPH) plume from 8th Street Station. Two additional LUST sites (Arlie's Used Cars and Sonny's Restaurant) are close enough to the subject property that their TPH plumes appear to mix with the TPH plume from the 8th Street Station. These LUST sites are up-gradient of the subject property, and have potentially impacted ground water and sub-surface soils on the subject property. Cases in close proximity of the subject property have been closed by OCC and cleanups appear to have met Oklahoma Risk-Based Corrective Action Levels. See Section 4.11 for more information on LUST cases.

- Six (6) historic dry cleaners were found within one mile of the subject property. Two currently operating dry cleaners were found within a one mile radius of the subject property. The historic dry cleaners are all within 0.2 miles of the subject property and appear to be up-gradient of the subject property. The two current dry cleaners are further away and it is unknown if they are up-gradient of the subject property. The dry cleaners are considered a potential environmental concern (PEC) according to ASTM E 1528-06 (Ref. 21).
- Batteries identified during the Site Visit contained lithium/sulfur dioxide. According the US Army Environmental Hygiene Agency lithium/sulfur dioxide batteries are not characteristically toxic, but do exhibit hazardous waste characteristics of reactivity and ignitability. DEQ's SCAP plans to dispose of batteries appropriately.
- One archived CERCLIS site was identified within a ½ mile of the subject property. The site was called Canadian Tank Inc. (CTI) and is a 1.1 acre facility located at 301 East Eads, Weatherford, OK, 73096. On-site sludges contained within concrete lined impoundments, were reportedly dumped into a nearby drainage ditch. Samples collected from the drainage ditch revealed low level hydrocarbon contamination. However, the Site was excluded via the CERCLA Petroleum Exclusion and Petroleum Exploration Exclusion. Information on the site was obtained from the U.S. Environmental Protection Agency (EPA) Region 6 and is shown in Appendix H.
- The former Weatherford Armory was built in 1938. The land for the building was deeded by the City of Weatherford to the Oklahoma Military Department for the State of Oklahoma, for benefit of the Oklahoma National Guard. The armory is currently owned by the City of Weatherford and unoccupied. A Memorandum of Agreement (MOA) is set in place between the City of Weatherford and the DEQ. Once cleanup activities have occurred, a notice of remediation and easement will be filed in the Custer County Courthouse.
- There is one large building on the subject property. Office space is in the southern part of the armory building, a drill floor and indoor firing range (IFR) are in the northern part of the building, and the motor pool room is located in the southwestern portion of the building. Abandoned military equipment is present in the IFR.
- The subject property is located near the western end of Main St, in downtown Weatherford. The subject property and adjacent properties are currently surrounded by mixed light industrial/commercial land use. Historically, land use surrounding the subject property has been commercial, industrial, and residential.
- No National Priority List (NPL), delisted NPL sites, Resource Conservation and Recovery Act (RCRA) non-corrective action sites (non-CORRACTS) treatment, storage, and disposal (TSD) listings, RCRA CORRACTS, Emergency Response Notification System (ERNS) list, Institutional

Controls/Engineering Controls, or State landfills and/or solid waste disposal sites were found on the subject property or within the ASTM recommended search radii. No RCRA generators, Voluntary Cleanup (VCP) sites, or Brownfield sites were found on the subject property or adjoining properties. The subject property is on the DEQ Site Cleanup Assistance Program's (SCAP's) list for cleanup of lead and asbestos contamination. There was one archived Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) site listing within a half mile of the subject property. The subject property is on the Brownfields list for conducting this TBA.

- There was no record of oil and gas production on the subject property or adjoining properties in the OCC oil and gas records.

2.0 Introduction

The State of Oklahoma Department of Environmental Quality (DEQ) under a Brownfield Assistance Agreement (No. RP96681001-0) (Ref. 1) with the U.S. Environmental Protection Agency (EPA) conducted a Targeted Brownfield Assessment (TBA) of a property located at 223 W. Rainey Ave, Weatherford, Custer County, Oklahoma.

2.1 Purpose

The purpose of this assessment is to investigate the environmental conditions within the target area and provide this information to the City of Weatherford as well as meet the All Appropriate Inquiries requirement of the landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, better known as Superfund – Ref. 2), as provided in the Small Business Relief and Brownfield's Revitalization Act of 2002 (Public Law 107-118, Subtitle B – Ref. 3). The purpose of a Phase I Environmental Site Assessment is to identify, to the extent feasible, recognized environmental conditions in connection with the target property through a systematic review of readily available information sources and a site reconnaissance.

DEQ is providing technical assistance to the project by evaluating the environmental condition of the subject property prior to the City of Weatherford converting the armory for use as a community health center. Funding for this assessment has been provided by the U.S. Environmental Protection Agency (EPA).

The memorandum of agreement between the DEQ and the City of Weatherford is in Appendix G.

2.2 Detailed Scope of Services

DEQ examined the current use of the subject property and identified the historical uses of the subject property to determine if recognized environmental conditions exist. DEQ examined historical documents, governmental databases, oil and gas records, aerial photographs, Sanborn Fire Insurance Maps, and conducted interviews, a site reconnaissance of the area, and obtained environmental samples. A good faith effort was made to identify possible environmental conditions that might affect the development of the subject property.

2.3 Significant Assumptions

History and knowledge of the subject property shows that the building was used as a National Guard Armory. The National Guard Armory was built in 1938, and prior to construction the subject property was used mostly as mixed residential/commercial property. According to Sanborn Maps, from 1902-1909 the subject property is described as a place of lodging. From 1913-1929, the subject property is identified as a residential property, but by 1929 the subject property is listed as vacant.

Since the building was constructed in 1938, it may contain asbestos. The U.S. began banning the use of asbestos in most building materials in the 1970s due to studies confirming the harmful health effects caused by exposure to airborne asbestos. DEQ's contractors performed lead and asbestos survey on the subject property. Lead-based paint, lead dust, and asbestos containing materials were found in the building. Details are included in Section 5.2 General Site Conditions and in Appendix I.

Four monitoring wells were installed on the subject property that were unrelated to the armory building and are part of an investigation into an underground storage tank gasoline leak originating from an adjacent property, the 8th Street Station. According to OCC documentation, TPH contamination is present in the groundwater and includes constituents such as benzene (1.72 mg/L), toluene (0.031 mg/L), ethylbenzene (0.256 mg/L), and xylene (0.004 mg/L). All of these concentrations are below Oklahoma Risk Based Corrective Action (ORBCA) site specific target levels (SSTLs) for cleanup for benzene (40.41 mg/L), toluene (535.00 gm/L), ethylbenzene (152.00 mg/L) and xylene (198.00 mg/L). The four monitoring wells on the subject property were decommissioned in April 2000. Given the concentrations left in place and the fact that free product appears to be left in place in several up-gradient monitoring wells (Appendix K), there is the potential for sub-surface soil contamination associated with the leak. The leak originated from the 8th Street Station located at 222 W. Main Street. This property is located due north of the subject property. Further detail is included in Section 5.2.

2.4 Limitations and Exceptions

The purpose of an environmental site assessment is to identify actual or potential “recognized environmental conditions” that may result in liability, land use restrictions, or cause delays in revitalization. The ASTM Phase I Environmental Site Assessment E 1527 – 05 (Ref. 4) is the minimum standard for environmental due diligence in the real estate industry and meets the standard for All Appropriate Inquiries under the Small Business Liability Relief and Brownfields Revitalization Act of 2002. A diligent effort in accordance with generally accepted good commercial and customary standards and practices was undertaken to identify the “recognized environmental conditions” that might affect the revitalization project. However, the identification of old hazardous waste sites is an evolving process; therefore, DEQ cannot state with absolute certainty that no other potential hazardous waste sites are located in the area. This assessment was conducted under constraints of time, cost, and scope and reflects a limited investigation and evaluation. It reflects the normal degree of care and skill that is ordinarily exercised by environmental professionals conducting business in this or similar localities. In no event shall the DEQ or its employees be liable for any damages, injury, loss, cost or expense whatsoever arising in connection with the use or reliance on the information contained in this report, except as otherwise provided by law.

The information in this report is based on a review of governmental records, interviews with knowledgeable representatives of the property, City of Weatherford officials, and observations of the environmental professional. This assessment includes sampling of soil and sand associated with the armory. This assessment does not include sampling of ground water, surface water, or air. The result of this assessment, as written in this report, is valid as of the date of report. For qualifications of environmental professionals see Appendix A.

2.5 Special Terms and Conditions

This assessment report has been prepared for the City of Weatherford by the DEQ using EPA funding. Information about this report will be provided to the EPA for its files. This report and the working file are public record and subject to the Oklahoma Open Records Act and the Federal Freedom of Information Act.

3.0 Site Characterization and History

3.1 Location and Legal Description

The subject property is located at 223 W. Rainey Ave. in Weatherford, Oklahoma, 73096 in Custer County. The subject property is located at latitude 35.525059 and longitude -

98.710097. The subject property consists of approximately one acre of land and contains the former National Guard Armory building. A site map and topographical map depicting the subject property have been provided in Appendix F.

The subject property is located in the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 8, Township 12N, and Range 14W. The armory building's legal location is described as follows:

"Lots 6 (six), 7 (seven), 8 (eight), 9 (nine), and 10 (ten) of Block 62, original town, Weatherford, Custer County, being property measuring approximately 155 feet east-to-west and 165 feet north-to-south".

Custer County Courthouse Records showed the following history on the subject property (See Appendix G).

- On May 4, 1936, R.C. Everts, sold the subject property described as *"lots 6 (six), 7 (seven), 8 (eight), 9 (nine), and 10 (ten) of Block 62, original town, Weatherford, Custer County, being property measuring approximately 155 feet east-to-west and 165 feet north-to-south"* to the City of Weatherford.
- On July 25, 2012, the State of Oklahoma, acting by and through the Oklahoma Military Department granted the subject property described as *"lots 6 (six), 7 (seven), 8 (eight), 9 (nine), and 10 (ten) of Block 62, original town, Weatherford, Custer County"* to the City of Weatherford, Oklahoma.

3.2 Site and Vicinity Characterization

The former Weatherford Armory was built in 1938. According to Custer County deed records, the land for the building was owned by the City of Weatherford, and deeded to the State of Oklahoma for the use of the Oklahoma National Guard on October 11, 1935. The subject property was originally owned by R. C. Everts and was sold to the City of Weatherford (see Appendix G). The subject property is a tract of land about one acre in size, and is located at 223 W. Rainey St., Weatherford, Oklahoma. The subject property consists of Lots 6, 7, 8, 9, and 10 of Block 62 in the Original Town of Weatherford. The subject property is bounded by an alleyway on the north and east, 8th St. on the west, and Rainey Street to the south. The areas where the subject property and adjacent properties are located are best characterized by light industrial/commercial with some isolated residential development.

Utilities that serve the subject property are Public Service Company of Oklahoma (PSO) for electricity, Centerpoint Energy for gas service, and the City of Weatherford provides water and sewer services to the armory according to Chuck Dougherty, City of Weatherford.

The topography of the area is relatively flat. The former Weatherford Armory is located at a surface elevation of approximately 1660 feet above mean sea level. The topographical gradient is to the south, toward Little Deep Creek. Little Deep Creek is located approximately 0.3 miles south of the subject property. The topographical map can be found in Appendix F.

3.3 Description of Structures, Roads, and Other Improvements

The structure of the armory is in good condition. The drill floor and associated rooms are in good condition except for flaking paint on some walls. Although the indoor firing range (IFR) appeared in good condition, it was filled with abandoned military items including chairs, tables, tarps, boxes, sand traps from shooting range, and lithium/sulfur dioxide batteries. The IFR had been boarded and locked up prior to our inspection and was boarded and locked up after our inspection. There was no water leaks observed during the site visit. Windows were intact and in fair condition. However, the caulking around the windows is cracking and was confirmed to be non-friable Category II asbestos containing materials (ACM) by DEQ contractors (See Appendix I). A floor plan of the former National Guard Armory is in Appendix B.

The roads running in front (north) and to the west of the Armory are in good condition. The front parking lot is in good condition. The alleys to the south and east of the Armory are in fair condition, but had several cracks and holes in the roads. The lawn and shrubs surrounding the Armory are maintained and appear healthy.

Adjacent properties around the Armory consist of light industrial/commercial with some isolated residential development.

3.4 Owner, Property Manager, and Occupant Information

The subject property is owned by the City of Weatherford and is currently unoccupied. DEQ's Site Cleanup Assistance Program (SCAP) is working towards conducting remediation of lead and asbestos at the armory. The Oklahoma Military Department transferred ownership of the armory to the City of Weatherford prior to completion of remedial activities (Appendix G).

3.5 Information Reported by User Regarding Environmental Lien or Specialized Knowledge or Experience

The property owner and/or representatives reported no environmental liens on the subject property, and had no specialized knowledge or experience regarding recognized environmental conditions.

The DEQ conducted a search for environmental liens at the Custer County Courthouse. No environmental liens or use limitations were reported for the subject property, and it does not appear in the Brownfields, VCP, SCAP, and Superfund Institutional Controls database. Following the abatement of lead and asbestos, a deed notice will be placed on the subject property by the DEQ.

3.6 Commonly Known or Reasonably Ascertainable Information

It is known within the community that the building functioned as a National Guard Armory.

3.7 Valuation Reduction for Environmental Issues

Valuation of the subject property is outside the scope of this assessment. A professional appraiser should be consulted to place a value on the property.

3.8 Current Use of the Property

The subject property is currently vacant, has no use, and is undergoing lead based paint, lead dust, and asbestos abatement.

3.9 Past Use of the Property

3.9.1 Review of Aerial Photographs

Historic aerial photographs were searched to view the changes to the subject property over time. Aerial photographs from 1940, 1955, 1959, 1967, 1974, 1980, 1981, 1995, 2003, 2005, 2008, and 2012 were obtained. All these photographs are located in Appendix C. The following represents a summary of what was found at the subject property from each photograph.

1940 aerial photograph

The 1940 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 1 in Appendix C.

1955 aerial photograph

The 1955 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 2 in Appendix C.

1959 aerial photograph

The 1959 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 3 in Appendix C.

1967 aerial photograph

The 1967 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 4 in Appendix C.

1974 aerial photograph

The 1974 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 5 in Appendix C.

1980 aerial photograph

The 1980 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 6 in Appendix C.

1981 aerial photograph

The 1981 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 7 in Appendix C.

1995 aerial photograph

The 1995 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 8 in Appendix C.

2003 aerial photograph

The 2003 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 9 in Appendix C.

2005 aerial photograph

The 2005 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/residential development. See Figure 10 in Appendix C.

2008 aerial photograph

The 2008 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 11 in Appendix C.

2012 aerial photograph

The 2012 aerial photograph shows the subject property to be the National Guard Armory. Adjacent properties appear to be mixed commercial/industrial with some residential development. See Figure 12 in Appendix C.

3.9.2 Fire Insurance Maps

Sanborn Fire Insurance maps were viewed and downloaded from the Oklahoma Department of Libraries website (Ref. 5). Sanborn maps of the subject property and adjoining properties were found for 1902-1938. The maps show the subject property. The Sanborn maps are located in Appendix E. The following represents a summary of what was found at the subject property and adjoining properties from the Sanborn map.

1902 Sanborn Map

Sheet 2 on the 1902 Sanborn shows the subject property and adjoining properties. The subject property is identified as mixed residential/commercial with the property having a residential building and a place of lodging.

1905 Sanborn Map

Sheet 2 on the 1905 Sanborn shows the subject property and adjoining properties. The subject property is identified as mixed residential/commercial with the property having a residential building and a place of lodging.

1909 Sanborn Map

Sheet 3 on the 1909 Sanborn shows the subject property and adjoining properties. The subject property is identified as mixed residential/commercial with the property having a residential building and a place of lodging.

1913 Sanborn Map

Sheet 6 on the 1913 Sanborn shows the subject property and adjacent properties. The subject property is identified as residential.

1918 Sanborn Map

Sheet 8 on the 1918 Sanborn shows the subject property and adjacent properties. The subject property is identified as residential.

1929 Sanborn Map

Sheet 2 and sheet 5 on the 1929 Sanborn shows the subject property and adjacent properties. The subject property is identified as residential, but the remaining building is noted as old and vacant.

1929-1938 Sanborn Map

Sheet 2 and sheet 5 on the 1929 Sanborn shows the subject property and adjacent properties. The subject property is identified as the National Guard Armory.

3.10 Current and Past Uses of Adjoining Properties

Currently, the areas surrounding the subject property are a mix of residential and commercial with some light industrial development. A residential trailer park is located on an adjacent property southwest of the subject property. An additional residence is located southeast of the subject property between two commercial facilities, a real estate office (due south of the subject property) and a plumber's office. Additional commercial properties adjacent to the subject property include; a telecommunications store front to the southeast, a bowling alley and bar to the east, a law office, title company, loan specialist, and vacant car part supply store to the northeast, an investment firm, clothing store, Chamber of Commerce, gym, pet store, and vacant auto garage to the north, and a transmission service store to the northwest. Both the vacant garage and transmission service store have had leaking underground storage tanks (See Section 4.11, 8th Street Station and Arlie's Used Cars). The adjacent property due west is vacant. A Dolese Cement Plant (light industrial) is located south of the adjacent property.

The past uses of adjoining properties are summarized below and can be observed in Appendix C and Appendix E.

1902 Sanborn Map

Adjacent property to the east is commercial, supporting a print shop, marble shop, and a cigar factory. Adjacent property to the north and northeast is

commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as hardware stores, general stores, seed shop, butcher, baker, bank, restaurant, drug store, and jeweler. Property to the northwest is commercial, consisting of a hardware store and tin shop. Property to the west is commercial, consisting of a hotel and livery. Property to the southwest is commercial and identified as a wagon yard. Property to the south is residential. Property to the southeast is mixed residential/commercial, consisting of lodging and hay/feed store.

1905 Sanborn Map

Adjacent property to the east is commercial, supporting a marble shop and tin shop. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as hardware stores, general stores, cobbler, newspaper, barber, butcher, baker, bank, restaurant, drug store, and jeweler. Property to the northwest is commercial, consisting of a hardware store and tin shop. Property to the west is commercial, consisting of a hotel and livery. Property to the southwest is commercial and is identified as the Washita wagon yard. Property to the south is residential. Property to the southeast is mixed residential/commercial, consisting of lodging and hay/feed store.

1909 Sanborn Map

Adjacent property to the east is commercial, supporting a marble shop and tin shop. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as general stores, cobbler, tailor, barber, butcher, baker, bank, restaurant, drug store, and jeweler. Property to the northwest is commercial, consisting of a hardware store and tin shop. Property to the west is commercial, consisting of the Winnie Lumber Company. Property to the southwest is commercial and is identified as the Washita wagon yard. Property to the south is residential. Property to the southeast is mixed residential/commercial, consisting of lodging, hay/feed store, and wood yard.

1913 Sanborn Map

Adjacent property to the east is commercial, supporting a marble shop and bailed hay storage. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as general stores, hardware store, print shop, butcher, grocery store, shoe shine shop, drug store, and jeweler. Property to the northwest is commercial, consisting of a furniture and hardware store. Property to the west is commercial, consisting of the Winnie Lumber Company. Property to the

southwest is commercial and is identified as a wagon yard. Property to the south is residential. Property to the southeast is mixed residential/commercial, consisting of a food store and assorted residential buildings.

1918 Sanborn Map

Adjacent property to the east is commercial, supporting a marble shop and a carport. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as garage, hardware store, print shop, variety store, soda fountain, retail store, and grocery store. Property to the northwest is commercial, consisting of a garage, paint shop, and welding shop. Associated with the garage is an underground gasoline tank. Property to the west is commercial, consisting of the Winnie Lumber Company. Property to the southwest is commercial and is identified as a wagon yard and corral. Property to the south is residential. Property to the southeast is commercial, consisting of a wagon shop and feed store.

1929 Sanborn Map

Adjacent property to the east is commercial, supporting a stone cutting shop, dry cleaner, and an unidentified office. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as an auto repair shop, filling station, auto sales lot, auto storage, junk yard, garage, and tile shop. Property to the northwest is commercial, consisting of a filling station and auto repair shop. Property to the west is recreational, consisting of a tourist park. Property to the south is residential. Property to the southeast is commercial, consisting of the Weatherford Creamery.

1929-1938 Sanborn Map

Adjacent property to the east is commercial, supporting a stone cutting shop and an unidentified office. Adjacent property to the north and northeast is commercial, supporting various store fronts off Main St. in Weatherford. Store fronts are identified as an auto repair shop, filling station, and restaurants. Property to the northwest is commercial, consisting of a filling station and auto repair shop. Property to the west is mixed residential/recreational, consisting of a tourist park and residential buildings. Property to the south is residential. Property to the southeast is mixed residential/commercial, consisting of the Weatherford Creamery and assorted residential buildings.

1940-2012 aerial photographs

Adjacent properties appear to be mixed commercial/industrial with some residential development.

3.11 Environmental (Physical) Setting

DEQ reviewed several sources to obtain information on the physical setting of the subject property and its surrounding areas. These sources include: The United States Department of Agriculture Custer County Soil Survey, Oklahoma Water Resource Board (OWRB) data viewer, the DEQ data viewer, and the Federal Emergency Management Association (FEMA). Review of the physical setting of the area is to evaluate the sensitivity of the hydrogeology to potential contamination from sources either on or near the subject property.

3.11.1 Surface Water Characteristics

The topography of the area is relatively flat. The former Weatherford Armory is located at a surface elevation of approximately 1660 feet above mean sea level. The topographical gradient is to the south, toward Little Deep Creek. Little Deep Creek is located approximately 0.3 miles south of the subject property.

The City of Weatherford receives municipal and industrial water from 35 water wells located in five different well fields providing a continuous water supply in the event one field has to be out of service for maintenance. The wells have the capability of delivering eight million gallons per day.

According to the Federal Emergency Association (FEMA), the subject property is in an area outside Zone A, which is described as a 100 year flood plain (Ref. 6). The National Guard Armory is outside the flood plain boundary line. A map of this information is located in Appendix D.

3.11.2 Subsurface Geological Characterization

According to the US Department of Agriculture's Soil Survey of Custer County, Oklahoma, the subject property is in the Pond Creek-Grant-Minco soil association. St. Paul silt loam comprises 100% of the subject property area and is characterized by a slope of 1 to 3 percent, a water table depth greater than 72 inches, and high water capacity (Ref. 7).

3.11.3 Ground Water Characteristics

The hydrogeology as reported by the Oklahoma Water Resources Board (OWRB) indicates there are no minor ground water sources at the subject property (Ref.

8). According to the Oklahoma Geological Survey, the major ground water source is the Rush Springs Sandstone and Marlow Formation. The Rush Springs sandstone has a maximum thickness of approximately 300 feet and consists of mainly fine-grained sandstone with some dolomite, shale, and gypsum beds. The Marlow Formation has a maximum thickness of approximately 100 feet and consists of fine-grained sandstone with much gypsum and shale. This aquifer can produce more than 300 gallons per minute (Ref. 9).

The OWRB Reported Well Log data was utilized to make a map of ground water and monitoring wells within a 1 mile radius of the subject property. There are 13 ground water wells with a 1 mile radius, which are utilized for domestic water supply (n=10) and irrigation (n=3). There are 170 monitoring wells within a 1 mile radius, which are utilized for site assessment. There are four monitoring wells on the subject property and two monitoring wells within 200 feet to the west.

The subject property obtains its drinking water from the City of Weatherford, which uses ground water as its water source.

For a map of ground water and monitoring wells that are within 1 mile of the subject property, see Appendix L.

3.11.4 Air Characteristics

No air emissions were noticed at the subject property or the adjoining properties. No odors were noticed outside of the subject property during the site visit. The DEQ data viewer database was searched for Air Quality Permitted Facilities (AQPF) and 2010 Point Source Emissions. No 2010 point source emissions were found within one mile of the subject property. However, one AQPF was found within a 1 mile radius from the subject property.

- Farmers Co-op Exchange, 300 E. Clark Ave, Weatherford, OK, 73096. (Facility ID#582). Located 0.31 miles east of the subject property.
 - After inquiring about the facility in DEQ's Air Quality Division, it was discovered that they no longer hold a permit. After speaking with the CEO of Farmers Co-op exchange and AQD, it was determined that the permit was needed for grain dust releases. However, the permit was no longer needed when the elevator reduced its releases to less than 40 tons per year. See Oklahoma title 252: 100-19-1 and 252: 100-24-1 Chapter 19 and 24 of air quality rules regarding particulate emissions.

4.0 Records Review

A regulatory database search was conducted by DEQ. This search included, at a minimum, those records and distances from the subject property dictated as appropriate in the ASTM standard. DEQ performed a review of available federal and state databases to assess whether the subject property or proximate properties were listed as having environmental concerns, which could have an adverse impact on the subject property. The following provides a summary of the databases reviewed.

4.1 Federal National Priorities List (NPL)

A search of the Environmental Protection Agency's NPL database shows no proposed, final, or deleted NPL sites within a mile radius of the subject property (Ref. 10). The subject property is not a NPL site.

A list of all sites in Oklahoma on the NPL, Deleted NPL, and Proposed NPL sites is included in Appendix H.

4.2 Federal CERCLIS List

The EPA database for Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Information Systems (CERCLIS) was searched for active and archived CERCLIS sites on and near the subject property. The ASTM's recommended search radius for the subject property for both active and archived CERCLIS sites is ½ mile. The subject property is not listed as an active CERCLIS site or as an archived CERCLIS site (Ref.11). No active CERCLIS sites were found within a ½ mile radius of the subject property. However, there is one archived site within a ½ mile of the subject property.

Canadian Tank Inc.

- Canadian Tank Inc. (CTI) is a 1.1 acre facility located at 301 East Eads, Weatherford, OK, 73096.
- CTI leased the property from Farmrail Corporation, and was involved in various operations related to oil and gas exploration. Thus, the Site was excluded via the CERCLA Petroleum Exclusion and Petroleum Exploration Exclusion.
- CTI was initially identified when a former employee of a previous lease (Vacco Corporation) contacted EPA and claimed that sludge from on-site surface impoundments was dumped into a nearby drainage ditch.

- Wastes associated with the Site appear to be associated with exploration, development or production of crude oil or natural gas and geothermal energy.
- Materials were stored in above ground storage tanks and concrete lined surface impoundments.
- Samples collected from the drainage ditch revealed low level hydrocarbon contamination.

The search results and documentation, obtained from EPA Region 6, are included in Appendix H.

4.3 Federal RCRA CORRACTs List

The EPA database for Resource Conservation and Recovery Act (RCRA) facilities subject to corrective action was searched within the ASTM's required minimum distance of one mile of the subject property. No RCRA CORRACT facility was found within the one-mile radius of the subject property (Ref. 12). Search results are in Appendix H.

4.4 Federal RCRA non-CORRACTS TSD List

The EPA database for RCRA facilities not subject to corrective action was searched within the ASTM's required minimum distance of ½ mile of the subject property. No RCRA non-CORRACT Treatment, Storage and Disposal (TSD) sites are within the ½ mile radius of the subject property (Ref. 12). Search results are in Appendix H.

4.5 Federal RCRA Generators List

The EPA RCRA Notifiers database was searched for RCRA generators within the ASTM's required minimum search distance of the subject property. The minimum distance is the subject property and adjoining properties. The subject property did not have any RCRA notifiers or generators (Ref. 12). There were also no facilities found near the subject property identified as having RCRA notifiers and none were described as generators (Ref. 12). Search results are in Appendix H.

4.6 Federal ERNS List

The Emergency Response Notification system (ERNS) maintained by the National Response Center was searched for any hazardous substance releases or spills within the subject property. ASTM requires a minimum search distance of property only when

identifying ERNS cases. No ERNS sites were reported within the subject property or the adjoining properties (Ref. 13). See Appendix H for the ERNS list that was generated.

4.7 Federal Institutional Control/Engineering Control Registries

There are no known Institutional Control/Engineering Controls in effect for the subject property. The federal institutional control registry is under development and unavailable at this time.

4.8 State-Equivalent NPL

DEQ does not have a State-equivalent NPL database. Oklahoma does not have a State Superfund law to establish a State-equivalent NPL database.

4.9 State-Equivalent CERCLIS

DEQ does not have a State-equivalent CERCLIS database.

4.10 State Landfill and / or Solid Waste Disposal Sites

DEQ regulates landfills and solid waste disposal sites across the State of Oklahoma. State landfills and solid waste disposal facilities were searched in the DEQ database within the ASTM required minimum distance of ½ mile from the subject property. No permitted landfills or solid waste disposal facilities are located within the search distance of the subject property (Ref. 14). However, the Weatherford Transfer Station is located approximately 0.6 miles SE of the subject property (Ref. 15).

4.11 State Leaking UST List

The Oklahoma Corporation Commission (OCC) Underground Storage Tank (UST) Notification Database and OWRB's Online Data viewer were searched to locate any known leaking underground storage tank (LUST) sites located within the ASTM's minimum search distance of a ½ mile of the subject property. Eleven (11) LUST sites were found within the ½ mile radius. A map of LUST cases are in Appendix L and OCC information regarding LUST sites are in Appendix K. Below is a summary of the LUST sites identified through the search.

- 8th Street Station (ID#2012701), located at 222 W. Main, is the adjacent property north of the subject property. The site is inactive. The LUST case

number is 064-0477 and it is a confirmed total petroleum hydrocarbon (TPH) release. All six tanks are listed as permanently out of use (POU) and have been removed. The tanks contained gasoline, diesel, and used oil. Monitoring wells were installed on the subject property to assist in delineating the TPH plume. All of the monitoring wells on the subject property have since been plugged. Although free product was removed from several wells, free product remained in three monitoring wells at the time the case was closed on May 24, 2000. Concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) were below ORBCA site specific target levels (SSTLs). Summary data and closure documents are in Appendix K.

- Arlie's Used Cars (ID#2013377), located at 300 W. Main, and is the adjacent property northwest of the subject property. The site is inactive. The LUST case number is 064-1058 and it is a confirmed TPH release. All three tanks are listed as POU and were closed in place. The tanks contained gasoline and diesel. Although free product was removed from several wells, free product remained in eight monitoring wells at the time the case was closed on October 12, 2000. Concentrations of BTEX were below and ORBCA SSTLs. Summary data and closure documents are in Appendix K.
- Sonny's Restaurant (ID#2000220), located at 221 W. Main, and is 0.08 miles north of the subject property. The site is inactive. The LUST case number is 064-0568 and it is a confirmed TPH release. The one gasoline tank is listed as POU and was closed in place. Although free product was removed from several wells, free product remained in eight monitoring wells at the time the case was closed on August 29, 2002. A closure report or ORBCA SSTLs could not be found in OCC records, so it is unknown whether concentrations of BTEX were below ORBCA SSTLs. The most recent Free Product Report and closure letter are in Appendix K.
- Kash & Karry Grocery (ID#2002152), located at 309 W. Main, is 0.13 miles northwest of the subject property. The site is active. There are two cases associated with this location and it is a confirmed TPH release; the LUST case numbers are 6W-560 and 064-1999. Five tanks are listed as POU and two tanks are listed as currently in use (CIU). LUST case 6W-560 was closed in December 1994 and involved removing two tanks from the ground. LUST case 064-1999 was closed in January 1998 and involved removing three tanks. ORBCA SSTL's for groundwater cleanup were determined for benzene (1.732 mg/L), toluene (18.45 mg/L), ethylbenzene (9.23 mg/L), xylene (184.50 mg/L), and naphthalene (3.69 mg/L). According to the ORBCA summary report, all samples collected

from monitoring wells were below SSTL for groundwater cleanup. Two active gasoline tanks remain on-site. ORBCA summary report is in Appendix K.

- Love's Country Store #45 (ID#2003189), located at 400 W. Main, is 0.12 miles west of the subject property. This site is inactive. There are two cases associated with this location; the LUST case numbers are 6W-068 and 064-1019. LUST case 6W-068 was an unconfirmed release and the case was closed on October 22, 1992. LUST case 064-1019 is a confirmed gasoline release. All four tanks are listed as POU, held gasoline, and have been removed from the ground. Free product was removed from all monitoring wells, but concentrations of BTEX exceeded ORBCA SSTLs for groundwater and soil. However, the case was closed in December 2007. Closure letter, ORBCA SSTLs summary, and Remediation Report are in Appendix K
- Dolese Weatherford Batch Plant (ID#2006501), located at 315 S. Broadway, is 0.22 miles south of the subject property. The site is inactive. The LUST case number is 064-0711 and is a confirmed diesel release. The two tanks are listed as POU and have been removed from the ground. BTEX concentrations left in place were below OCC Category II action levels for groundwater and soil, but TPH concentrations left in place were above the 500 mg/kg action level for soil. The case was closed in April 1995. Closure letter and Closure Evaluation and Risk Assessment Report are in Appendix K.
- Former Coastal Mart (ID#2004214), located at 214 N. State St., is 0.3 miles northeast of the subject property. The site is temporarily closed. LUST case 064-1958 is a confirmed gasoline release and the case was closed in 1999. All three tanks are listed as temporarily out of use (TOU) and stored gasoline. ORBCA SSTL's for groundwater cleanup were determined for benzene (0.05 mg/L), toluene (10.0 mg/L), ethylbenzene (7.0 mg/L), xylene (100 mg/L), and TPH (10 mg/L). According to the ORBCA summary report, all samples collected from monitoring wells in the last sampling event were below SSTL for groundwater cleanup (Appendix K).
- E-Z Shop (ID#2000438), located at 201 E. Main, is 0.22 miles east of the subject property. The site is inactive. The LUST case number is 064-WM. Four tanks are listed as POU, while three tanks are listed as CIU. The three active tanks store gasoline and the other four have been removed. No free product was encountered at the site. BTEX contamination left in place was generally below OCC Category II action levels, except for two locations that exceeded ground water action levels (0.05 mg/L) for benzene and one location that exceeded soil

action levels (5 mg/kg) for benzene. The case was closed in 1998. Closure letter and Risk Assessment Report are in Appendix K.

- Anoilco, Inc. (ID#2009910), located at 301 E. Main, is 0.28 miles east of the subject property. The site is inactive. There are two cases associated with this location; the LUST case numbers are 064-1869 and BF-0362. All ten tanks are listed as POU and have been removed from the ground. The tanks stored gasoline, diesel, and used oil. LUST case BF-0362 is listed as “back fill” and does not have a closure date. LUST case 064-1869 is a confirmed TPH release. Free product remained in seven monitoring wells, but BTEX concentrations did not exceed ORBCA SSTLs. The case was closed in 2002. Closure letter, monitoring report, and ORBCA SSTLs are in Appendix K.
- Anoilco, Inc. (ID#2009919), located at 301 W. Main, is 0.12 miles to the east of the subject property. The site is inactive. There are two cases associated with this location; the LUST case numbers are 064-2754 and BF-0361. All six tanks are listed as POU and have been removed from the ground. The tanks stored gasoline, diesel, and used oil. LUST case BF-0361 is listed as “back fill” and does not have a closure date. LUST case 064-2754 is a confirmed TPH release and is still open. Free product remains in one monitoring well and BTEX concentrations are below ORBCA SSTLs. In December 2012, the site was approved for closure but final closure reports have not been submitted. Monthly monitoring report, closure letter, and ORBCA SSTLs are in Appendix K.
- Eddie’s Shamrock (ID#2009849), located at 424 E. Main, and is 0.42 miles east of the subject property. The site is active. The LUST case number is 064-0656 and is a confirmed TPH release. Three tanks are listed as POU and two tanks are listed as CIU. The two active tanks store gasoline and used oil. The three POU tanks have been removed. BTEX contamination was left in place, but was below ORBCA SSTLs for groundwater. The case was closed in 2000. Closure letter, monitoring report, and ORBCA SSTLs are in Appendix K.

4.12 State Registered UST Sites

The OCC UST Notification Database was searched to locate registered underground storage tanks (UST) located within the ASTM’s minimum search distance of the subject property and its adjoining properties. There was one registered UST found on the subject property.

The subject property formerly contained a 1,000 gallon gasoline UST located on the west side of the property. According to the OCC Closure Report the UST was installed in

1958, closed on July 13, 1993, and removed from the subject property on September 15, 1993 (Appendix K). No leaks were reported to the OCC for the UST. Following the tank removal the soil was sampled from below the former fuel island and the center of the tank pit. Soil samples collected were below detection limits (<0.005 mg/kg) for Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX).

In addition, 27 UST facility sites were identified in the OCC database within 0.5 miles of the subject property. Below is a summary table of those sites.

Table 1. Facilities with UST within 0.5 miles of Subject Property

Facility Name	Address	City	Facility Number	Tank Count	LUST	Facility Status
College Station	214 N STATE ST	Weatherford	2004214	3	X	Temporarily Closed
Weatherford Batch Plant	315 S BROADWAY	Weatherford	2006501	2		Inactive
Zip Tool Co., Inc	715 S CUSTER	Weatherford	2006839	2		Inactive
Dean Koch	501 E. MAIN	Weatherford	2009813	4		Inactive
Marion Davidson	120 SW MAIN	Weatherford	2002176	4		Inactive
Max Leonard	204 NW MAIN	Weatherford	2006836	1		Inactive
Anoilco, Inc.	301 E. MAIN STR	Weatherford	2009919	6	X	Inactive
Farmers Coop Exchange	300 EAST CLARK STR	Weatherford	2000522	4		Active
Circle K Ready-Mix	524 S CUSTER	Weatherford	2006490	1		Inactive
City Hall Civil Defense	522 W RAINEY	Weatherford	2011697	2		Active
Schwan's Sales Of Western Ok.	619 S CUSTER	Weatherford	2010555	1		Inactive
City Of Weatherford Street Dept	109 S 3RD	Weatherford	2019357	4		Inactive
Jay's Route 66 Service	424 E MAIN	Weatherford	2009849	5	X	Active
Winnco, Inc.	300 SO STATE	Weatherford	2005604	9		Inactive
Hutch's #12	309 WEST MAIN	Weatherford	2002152	7	X	Active
Sonny's Restaurant	221 W MAIN ST	Weatherford	2000220	1	X	Inactive
Dresser Magcobar-Weatherford	323 S CUSTER	Weatherford	2007110	1		Inactive
Mcphetridge Motor Co.	201 W. MAIN	Weatherford	2001374	2		Inactive
Anoilco, Inc.	301 W. MAIN	Weatherford	2009910	10	X	Inactive
Fast Lane #102	201 E Main	Weatherford	2000438	7	X	Active
Arlie's Used Cars	300 W. MAIN	Weatherford	2010471	3	X	Inactive

Facility Name	Address	City	Facility Number	Tank Count	LUST	Facility Status
8Th Street Station	222 W MAIN, CORNER OF MAIN & 8TH STR	Weatherford	2012701	6	X	Inactive
Winn Bros, Inc	223 E. MAIN	Weatherford	2005602	3		Inactive
Love's Country Store #45	400 W MAIN	Weatherford	2003189	4	X	Inactive
Weatherford Pole Storage Yard	221 S BRADLEY	Weatherford	2008101	5		Inactive
Swbt-R63198	201 W TOM STAFFORD	Weatherford	2014968	2		Active

4.13 State Institutional Control/Engineering Control Registries

According to the DEQ Brownfields, VCP, SCAP, and Superfund Institutional Control Database there are no known Institutional Control/Engineering Controls in effect for the subject property (Ref. 16).

4.14 State Voluntary Cleanup Sites

The Voluntary Cleanup Database was searched for Voluntary Cleanup Program (VCP) sites within the required ASTM search distance of ½ mile of the subject property. No VCP sites are located on or within ½ mile of the subject property (Ref. 17).

4.15 State Brownfield Sites

The DEQ Brownfield database was searched for Brownfield sites within the required ASTM search distance of ½ mile of the subject property. No Brownfield certificate sites or revolving loan fund cleanup sites were found within ½ mile of the subject property. The subject property is on the list for conducting this Targeted Brownfields Assessment (Ref. 22).

4.16 State Environmental Complaints and Local Services Response

The DEQ Environmental Complaints and Local Services database was searched for the subject property. No complaints have been reported for the subject property.

4.17 Oil and Gas Records

The subject property is located in the SW ¼ of Section 8 T12N R14W. A search of oil and gas records from the Oklahoma Corporation Commission’s (OCC) oil and gas records database was performed. The subject property is in an area where there is a history of oil and gas development. Oil and gas records were searched to record the known history of well development on and near the subject property. The search area consisted of the subject property as described from the legal boundary and the quarter - quarter sections directly above and up-gradient of the subject property. There were no records of oil and gas wells on the subject property or in adjacent areas. Search results for wells near the area are located in Appendix K.

4.18 Dry Cleaner Databases

The DEQ databases for dry cleaners (Ref.18) and yellowpages.com (Ref.19) were searched for dry cleaners in the City of Weatherford. Two active dry cleaners were identified within a one mile radius. Six historic dry cleaners were identified within a one mile radius. Table 2 and Table 3 list the summary of the search results.

Table 2. Search results of present dry cleaners in the City of Weatherford.

Status	Present Dry Cleaners	Address	City	Distance to Subject Property (miles)	Direction
Operating	Myers Laundry and Cleaners	225 E. Franklin	Weatherford	0.26	NE
Operating	Weatherford Cleaners	424 N. State	Weatherford	0.4	NE

Table 3. Search results of historic dry cleaners in the City of Weatherford.

Years	Historic Dry Cleaners	Address	City	Distance to Subject Property (miles)	Direction
1941-1944	Giegers' Cleaning Works	109 E. Main	Weatherford	0.16	NE
1944-1976	Foreman's Cleaners	109 E. Main	Weatherford	0.16	NE
1941-1948	Nelson's Cleaners	116 N. Custer	Weatherford	0.15	NE
1948-1965	Tech Cleaners	116 N. Custer	Weatherford	0.15	NE
1950-1965	Nelson Cleaners	119 E. Main	Weatherford	0.18	NE
1965-1984	Weatherford Cleaners	119 E. Main	Weatherford	0.18	NE

5.0 Site Reconnaissance and Interviews

5.1 Methodology and Limiting Conditions

A site reconnaissance of the subject property located at 223 W. Rainey Ave., Weatherford, OK was performed on April 23, 2013. Brian Stanila, Rebecca Marfurt, and Dustin Davidson of the DEQ, met the caretaker of the subject property, Mike Brown (Mayor of Weatherford) at the site. Mayor Mike Brown led DEQ personnel inside the building, gave his knowledge about what the building was used for, and turned over contact information of an individual (John Reynolds) who was an occupant at the subject property for several years. John Reynolds was interviewed on June 18, 2013. All areas of the building were observed noting any environmental conditions that might need additional investigation. The entire outside area of the subject property was walked through for observations that might need additional investigation as well. A floor map, photographs, and the John Reynolds interview are in Appendix B.

5.2 General Site Conditions

The former Weatherford Armory is a brick building constructed around 1938 by the Works Progress Administration (WPA) and is listed on the National Register of Historic Places (NRHP). The former Weatherford Armory is approximately 16,014 square feet and contains an indoor firing range (IFR). The building is currently unoccupied. The subject property is bordered by an alley on the north and east. West Rainey borders the subject property to the south and 8th Street borders the former National Guard Armory to the west.

Currently, the land use surrounding the subject property is a mix of residential and commercial with some light industrial development. A residential trailer park is located on an adjacent property southwest of the subject property. An additional residence is located southeast of the subject property between two commercial facilities, a real estate office (due south of subject property) and a plumber's office. Additional commercial properties adjacent to the subject property include; a telecommunications store front to the southeast, a bowling alley and bar to the east, a law office, title company, loan specialist, and vacant car part supply store to the northeast, an investment firm, clothing store, Chamber of Commerce, gym, pet store, and vacant auto garage to the north, and a transmission service store to the northwest. Both the vacant garage and transmission service store have had leaking underground storage tank issues (See Section 4.11, 8th Street Station and Arlie's Used Cars). The adjacent property due west is vacant. A Dolese Cement Plant (light industrial) is located south of the adjacent property.

The following are general site conditions that were evaluated on the subject property and adjacent properties.

5.2.1 Aboveground Storage Tanks (ASTs)

There were no ASTs on the subject property, nor was there any indication that there had been at any point.

5.2.2 Landfills and/or Dumping

There was no indication that any part of the subject property had been used as a landfill at any point. However, according to a Wincass Management Report (5/8/98), obtained from the Oklahoma Military Department records, there was an open drum identified on the subject property. The drum was approximately one-quarter full of liquid. There was no odor associated with the drum and facility personnel were not certain how the drum arrived on the property. The drum was turned over to Oklahoma Military Services and disposed of properly. Full Wincass Report is in Appendix J.

5.2.3 Impoundments

There was no standing water on the subject property. There is no indication that any impoundment has been present on the subject property.

5.2.4 Monitoring Wells

No monitoring wells were observed during the Site Visit. However, according to a Wincass Management Report (Appendix J) and the 8th Street Station Closure Report (Appendix K), there were four monitoring wells (MWs) located on the subject property. They were located in the northwest (MW-15), northeast (MW-104), southwest (MW-18), and southeast (MW-103) corners of the subject property. The MWs were unrelated to the armory building and were part of an investigation into an UST gasoline leak at 8th Street Station. According to OCC's ORBCA Groundwater Summary Report (Appendix K), the four MWs on the subject property were last sampled on April 15, 1997. Samples were analyzed for benzene, toluene, ethylbenzene, xylene, and gasoline range organics. Three of the four MWs were determined to be non-detect (ND) for all UST related constituents. However, the northwest well (MW-15) had detections of all UST related constituents. For toluene, ethylbenzene, and xylene; detections were below maximum contaminant levels (MCL). However, for benzene, detections

(1.72 mg/L) were above MCL (0.005 mg/L) but below ORBCA site specific target levels for cleanup (40.41 mg/L). There is also the potential for sub-surface soil contamination associated with the UST leak. However, according to the OCC's ORBCA Soil Summary Report, samples collected and analyzed for UST related constituents were all determined to be ND (Appendix K). The four MWs on the subject property were decommissioned and plugged as part of the Final Closure Report for the 8th Street Station submitted in April 2000 and accepted in May 2000 (Appendix K). Despite closure, there was free product left in place in MWs up-gradient of the subject property.

The leak that is impacting groundwater below the subject property originated from the 8th Street Station located at 222 W. Main Street. This property is adjacent to the subject property and located up-gradient and due north of the subject property. Based on the information outlined above, there appears to be groundwater contamination underneath the subject property and there is at least the potential for contamination in sub-surface soils. Full Wincass Report and additional military environmental information is in Appendix J. See Appendix K for all OCC related information.

5.2.5 Disturbed and Stained Soils

There were no areas of disturbed soil or stained soil. However, one sample was collected, by DEQ personnel, underneath the indoor firing range vent fan on the east side of the building. One soil sample and duplicate were collected from this location on April 23, 2013. The samples were analyzed for total lead. Sample results were 39.5 mg/kg and 46.3 mg/kg, respectively. These values are below residential screening levels for lead (400 mg/kg). See Appendix I for sample results. The vegetation around the armory appeared to be in good condition and did not appear distressed.

5.2.6 Seeps

No seeps of any kind were observed at the subject property.

5.2.7 Chemical Spills

No evidence of possible chemical spills was observed on the subject property.

5.2.8 Farm Waste

No farm waste was observed at the subject property.

5.2.9 Known Pesticide Misapplication

No known pesticide misapplications were detected during the site visit or during the supportive research.

5.2.10 Discharges and Runoff from Adjacent Property Affecting the Site

There was no observed discharge or runoff from adjacent properties during the site visit. An interview with a former occupant confirmed that there is no runoff or discharge from adjacent properties. No potential pollutants were observed on the neighboring properties that may affect the armory.

5.2.11 Petroleum Products and Oil and Natural Gas Exploration

No petroleum products or oil and natural gas exploration was observed during the site visit.

5.2.12 Asbestos

A quantitative facility asbestos survey was performed at the subject property by DEQ contractors, GMR and Associates. No friable asbestos containing material (ACM) was identified at the subject property. However, non-friable ACM category II was identified in window caulking throughout the building. DEQ is currently undertaking actions to abate the asbestos. The asbestos survey report can be found in Appendix I.

5.2.13 Lead

Surveys for lead-based paint and lead dust throughout the building have been conducted by GMR and Associates for the DEQ. The report indicates that lead-based paint is present on the walls, hand rails, steps, doors, door jambs, window bars, window frames, ceiling joists, ceiling beams, and ceiling braces. The lead-based paint inspection report can be found in Appendix I.

Lead dust was ubiquitous throughout the building with the highest lead concentrations identified in the indoor firing range (45,600 $\mu\text{g}/\text{ft}^2$). DEQ's SCAP

cleanup goal is 40 ($\mu\text{g}/\text{ft}^2$). The survey for lead in settled dust can be found in Appendix I.

5.2.14 Transformers/PCB Equipment/Mercury

There were no transformers observed on the subject property, but one was noted on an adjacent property. Fluorescent lighting ballasts were observed in several rooms. It is unclear if the fluorescent bulbs or transformers contained Polychlorinated Biphenyls (PCBs). Thermostats were present in the building and it is unknown if they contain mercury. Several different types of batteries were found in the indoor firing range. Most batteries were unlabeled, but those that were contained lithium/sulfur dioxide. According the US Army Environmental Hygiene Agency lithium/sulfur dioxide batteries are not characteristically toxic, but do exhibit hazardous waste characteristics of reactivity and ignitability (Ref. 20). It is unclear if unlabeled batteries contained mercury.

5.3 External Observations

The exterior of the building is in good condition. There were no recognized issues with the exterior of the building.

5.4 Internal Observations

The building is currently unoccupied and was last used by the Oklahoma Army National Guard to support the military mission. The one story building was constructed in 1938. During the site visit on April 23, 2013, the building had no visible structural issues. However, a tour through the building revealed items that are covered with lead-based paint. In addition, the indoor firing range (basement) was filled with miscellaneous materials including lithium/sulfur dioxide batteries, tents, tarps, chairs, tables, and other Army related items. Additionally, sand from the firing range was still present near the backstop. One sample was collected from the sand trap on April 23, 2013. The sample was analyzed for total lead and a toxicity characteristic leaching procedure (TCLP) test was also performed. Sample results were 2,540 mg/kg for total lead and 150,000 ug/L for TCLP. Sample results exceed residential and industrial screening levels and indicate that trap sand is characteristically hazardous. See Appendix I for sample results. During remediation, trap sand will be disposed of as hazardous waste.

Photographs of the internal view of the subject property can be found in Appendix B.

5.5 Interviews

Supplies Sargent, Movement Control Officer, and Recruiter John Reynolds was interviewed to assist in determining the operational history of the subject property. He has an intimate knowledge of the subject property and was an occupant of the facility from 1991-2007. A copy of the questionnaire filled out by Mr. Reynolds can be found in Appendix B.

6.0 Findings

Summarized below are the major findings from this TBA and DEQ's recommendations. The major findings of the highest environmental concern are presented first.

- The subject property is contaminated with lead hazards including lead-based paint, lead dust, and fragmented lead from the sand trap of the IFR. The Oklahoma DEQ's Site Cleanup Assistance Program (SCAP) plans to remediate any lead contamination on the subject property and properly dispose of all associated waste.
- The subject property contains ACM and it was identified as non-friable Category II. The ACM is present in the window caulking throughout the building. DEQ's SCAP plans to abate or remove any ACM present in the building.
- There was one underground storage tank (UST) on the subject property. It had a 1,000 gallon capacity and was used to store gasoline. According to the OCC Closure Report the UST was installed in 1958, closed on July 13, 1993, and removed from the subject property on September 15, 1993. No leaks were reported to the OCC for the UST. During the site visit on April 23, 2013, there was no sign of the UST or soil staining, and the pump island had been removed as well. The UST is considered a historical recognized environmental condition (HREC).
- Eleven (11) leaking underground storage tank (LUST) sites were found within a ½ mile radius of the subject property. One LUST site is on an adjacent property to the north (8th Street Station). Monitoring wells were installed on the subject property to help delineate the TPH plume from 8th Street Station. One monitoring well had TPH contamination. Two additional LUST sites (Arlie's Used Cars and Sonny's Restaurant) are close enough to the subject property that their TPH plumes appear to mix with the TPH plume from the 8th Street Station. These LUST sites are up-gradient of the subject property, and have potentially impacted ground water and sub-surface soils on the subject property. Cases in close proximity of the subject property have been closed by OCC and cleanups appear to have met Oklahoma Risk-Based Corrective Action Levels.

- Six (6) historic dry cleaners were found within one mile of the subject property. Two currently operating dry cleaners were found within a one mile radius of the subject property. The historic dry cleaners are all within 0.2 miles of the subject property and appear to be up-gradient of the subject property. The two current dry cleaners are further away and it is unknown if they are up-gradient of the subject property. The dry cleaners are considered a potential environmental concern (PEC) according to ASTM E 1528-06 (Ref.21).
- Batteries identified during the Site Visit contained lithium/sulfur dioxide. According the US Army Environmental Hygiene Agency lithium/sulfur dioxide batteries are not characteristically toxic, but do exhibit hazardous waste characteristics of reactivity and ignitability. DEQ's SCAP plans to dispose of batteries appropriately.
- One archived CERCLIS site was identified within a ½ mile of the subject property. The site was called Canadian Tank Inc. (CTI) and is a 1.1 acre facility located at 301 East Eads, Weatherford, OK, 73096. On-site sludges contained within concrete lined impoundments, were reportedly dumped into a nearby drainage ditch. Samples collected from the drainage ditch revealed low level hydrocarbon contamination. However, the Site was excluded via the CERCLA Petroleum Exclusion and Petroleum Exploration Exclusion.
- The former Weatherford Armory was built in 1938. The land for the building was deeded by the City of Weatherford to the Oklahoma Military Department for the State of Oklahoma, for benefit of the Oklahoma National Guard. The armory is currently owned by the City of Weatherford and unoccupied. A Memorandum of Agreement (MOA) is set in place between the City of Weatherford and the DEQ. Once cleanup activities have occurred, a notice of remediation and easement will be filed in the Custer County Courthouse.
- There is one large building on the subject property. Office space is in the southern part of the armory building, a drill floor and indoor firing range (IFR) are in the northern part of the building, and the motor pool room is located in the southwestern portion of the building. Abandoned military equipment is present in the IFR.
- The subject property is located near the western end of Main St, in downtown Weatherford. The subject property and adjacent properties are currently surrounded by mixed light industrial/commercial land use. Historically, land use surrounding the subject property has been commercial, industrial, and residential.
- No National Priority List (NPL), delisted NPL sites, Resource Conservation and Recovery Act (RCRA) non-corrective action sites (non-CORRACTS) treatment, storage, and disposal (TSD) listings, RCRA CORRACTS, Emergency Response Notification System (ERNS) list, Institutional Controls/Engineering Controls, or State landfills and/or solid waste disposal sites were found on the subject property or within the ASTM recommended search radii. No RCRA generators,

Voluntary Cleanup (VCP) sites, or Brownfield sites were found on the subject property or adjoining properties. The subject property is on the DEQ Site Cleanup Assistance Program's (SCAP's) list for cleanup of lead and asbestos contamination. There was one archived Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) site listing within a half mile of the subject property. The subject property is on the Brownfields list for conducting this TBA.

- There was no record of oil and gas production on the subject property or adjoining properties in the OCC oil and gas records.

7.0 Opinion and Recommendations

Due to the past use of the subject property and the contamination identified on the subject property, the environmental professionals working on this site believe that cleanup of lead dust, lead-based paint, and asbestos will be necessary. The DEQ Site Cleanup Assistance Program plans to cleanup lead and asbestos contamination on the subject property.

8.0 Data Gaps

No tribal information was obtained for this assessment. No tax records, city directories, or zoning records were reviewed for this report. However, this did not affect the ability of the DEQ to make a recommendation on the subject property.

9.0 Conclusions

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E 1527-05 of the former Weatherford Armory located at 223 W. Rainey Ave., Weatherford, OK, the *property*. Any exceptions to, or deletions from, this standard are described in Section [11.0] of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following: lead and asbestos contamination throughout the building.

The information provided in this assessment is to assist the City of Weatherford in its revitalization planning as well as meet the All Appropriate Inquiry requirement of the landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, better known as Superfund – Ref. 2), as provided in the Small Business Relief and Brownfields Revitalization Act of 2002 (Public Law 107-118, Subtitle B – Ref. 3).

10.0 Additional Services

In addition to this Phase I Targeted Brownfield Assessment, DEQ has provided sampling and analysis of potential asbestos, lead-based paint, and lead dust sources. DEQ collected and analyzed samples from the soil outside the IFR vent fan and the sand in the IFR sand trap. DEQ is also providing remediation of the building with State funding.

11.0 Deviations

The following deviations from ASTM Practice E 1527-05 occur in this Phase I Targeted Brownfield Assessment. No tax records, city directories, or zoning records were reviewed for this report.

12.0 References

1. U.S. Environmental Protection Agency (EPA) (2008). Oklahoma Brownfields Assistance Agreement (No#RP96681001-0). Unpublished Document. State of Oklahoma. Oklahoma City, Oklahoma.
2. EPA (1980). Comprehensive Environmental Response, Compensation and Liability Act. (Public Law 96-510). Washington, DC: U.S. Government Printing Office.
3. EPA. (2002). Small Business Liability Relief and Brownfields Revitalization Act. (Public Law 107-118, Subtitle B). Washington, DC: U.S. Government Printing Office.
4. ASTM International (2005). Water and Environmental Technology: Phase I Environmental Site Assessment E 1527 – 05. Baltimore, Maryland.
5. Sanborn Fire Insurance Maps. Oklahoma Department of Libraries. (www.odl.state.ok.us)
6. Federal Emergency Management Association (FEMA). FEMA Issued Flood Maps. Accessed August 21, 2013. <http://map1.msc.fema.gov/idms/IntraView.cgi?KEY=83694227&IFIT=1>
7. United States Department of Agriculture. Natural Resources Conservation Services (n.d). Web Soil Survey. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.
8. Oklahoma Water Resources Board. *OWRB Custom Map Viewer-Data Driven Map Viewers*. Last accessed April 16, 2013. <http://www.owrb.ok.gov/maps/server/wims.php>.
9. Oklahoma Geological Survey. Hydrogeological Atlas (1983). Sheet 2- Bedrock Aquifers and Recharge Areas.

10. EPA. *EPA National Priority List*. Accessed on November 7, 2013.
<http://www.epa.gov/superfund/sites/npl/status.htm>
11. EPA. Federal CERCLIS List. Accessed on November 7, 2013.
<http://cfpub.epa.gov/supercpad/cursites/srchsites.cfm>
12. EPA. Federal RCRA Database. Accessed November 7, 2013.
<http://www.epa.gov/enviro/facts/rcrainfo/search.html>
13. Emergency Response Notification System. Last accessed November 7, 2013.
<http://www.nrc.uscg.mil/foia.html>.
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<http://www.deq.state.ok.us/LpDnew/swindex.html>.
15. Oklahoma Department of Environmental Quality. DEQ Flex Viewer. Last accessed November 7, 2013. <http://gis.deq.ok.gov/flexviewer/>.
16. Oklahoma Department of Environmental Quality. DEQ Institutional Control/Engineering Control Registry for Brownfields, Voluntary Cleanup program, Site Cleanup Assistance Program, and Superfund. Last accessed November 7, 2013.
<http://www.deq.state.ok.us/lpdnew/ICviewer.html>
17. Oklahoma Department of Environmental Quality. Voluntary Cleanup Database: VCP Cleanup Up Status. Last accessed February 21, 2014. <http://www.deq.state.ok.us/lpdnew/VCPIndex.htm>
18. Oklahoma Department of Environmental Quality. Historic Dry Cleaner Database. DEQ Archives. Last accessed October 24, 2013.
19. YP Intellectual Property LLC. <http://yellowpages.com> Last accessed October 24, 2013.
20. US Army Environmental Hygiene Agency (1985). Hazardous Waste Study No. 37-26-0427-85: Evaluation of Lithium Sulfur Dioxide Batteries.
21. ASTM International. (2006). Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process E 1528 – 06. Baltimore, Maryland.
22. Oklahoma Department of Environmental Quality. Brownfields Databases. DEQ Archives. Last accessed February 21, 2014.

APPENDICIES

- Appendix A: Qualifications of Environmental Professionals
- Appendix B: Site Visit, Photographs, and Interview
- Appendix C: Aerial Photographs of Subject Property
- Appendix D: FEMA Map
- Appendix E: Sanborn Maps
- Appendix F: USGS Topographical Map/Site Maps
- Appendix G: Deed Information
- Appendix H: Environmental Protection Agency Searches
- Appendix I: DEQ Sampling Results and Contractor Inspections
- Appendix J: Military Records
- Appendix K: Oklahoma Corporation Commission Records
- Appendix L: Oklahoma Water Resource Board Records
- Appendix M: DEQ Database Searches

Appendix A: Qualifications of Environmental Professionals

Heather Mallory – Heather Mallory holds a Bachelor’s and Master’s Degree in Environmental Science from the University of Oklahoma. Mrs. Mallory has nine years of experience in environmental sampling and remediation. She is an Environmental Programs Specialist with the Land Protection Division of the Oklahoma Department of Environmental Quality. Her responsibilities include: Brownfields Revolving Loan Fund and Grant Coordinator, Targeted Brownfield Assessment Coordinator, project management of various Voluntary Cleanup sites across the state, conducting and reviewing Targeted Brownfield Assessments, serving on agency-wide GIS policy making committee, and training DEQ Land Protection Division staff on GPS receivers.

Brian Stanila – Brian Stanila holds a Bachelor’s and Master’s Degree in Biology from the University of Central Oklahoma. Mr. Stanila is experienced and knowledgeable in environmental sampling, assessment, and remediation. Brian is an Environmental Programs Specialist III with the Land Protection Division of the Oklahoma Department of Environmental Quality. He is a project manager in the Site Cleanup Assistance Program and is responsible for sampling, assessment, and development of remedial goals and plans for various Sites. Additionally, Brian has experience drafting technical documents such as Preliminary Assessments (PA), Site Inspections (SI) and 5-Year Reviews. Brian is a member of DEQ’s Risk Team and the Society of Risk Analysis.

Appendix B: Site Visit, Photographs, and Interview

Site Visit

Former Weatherford National Guard Armory

April 23, 2013

223 W. Rainey

Weatherford, OK 73096

Present: Mike Brown, Mayor for City of Weatherford; Chuck Dougherty, Director of Economic Development for City of Weatherford; Brian Stanila, DEQ; Rebecca Marfurt, DEQ; Dustin Davidson, DEQ.

Summary: Met Mike Brown and Chuck Dougherty at former Weatherford National Guard Armory on April 23, 2013. A visual inspection of the outside of the property was conducted by Brian Stanila. The building appeared to be in good shape except for a few broken windows. The indoor firing range (IFR) vent fan was identified on the west side of the building. One grab sample and duplicate sample was collected from the soil outside and next to the vent fan.

The inside of the building was dark and the power had been shut off. Brian Stanila conducted a walkthrough of the building, while the rest of the group gained access to the boarded up IFR. Loose and peeling paint was observed in some parts of the building and is documented in the Lead-Based Paint Inspection Report (Appendix J). Fluorescent lighting ballasts were observed in several rooms and are documented in photographs below.

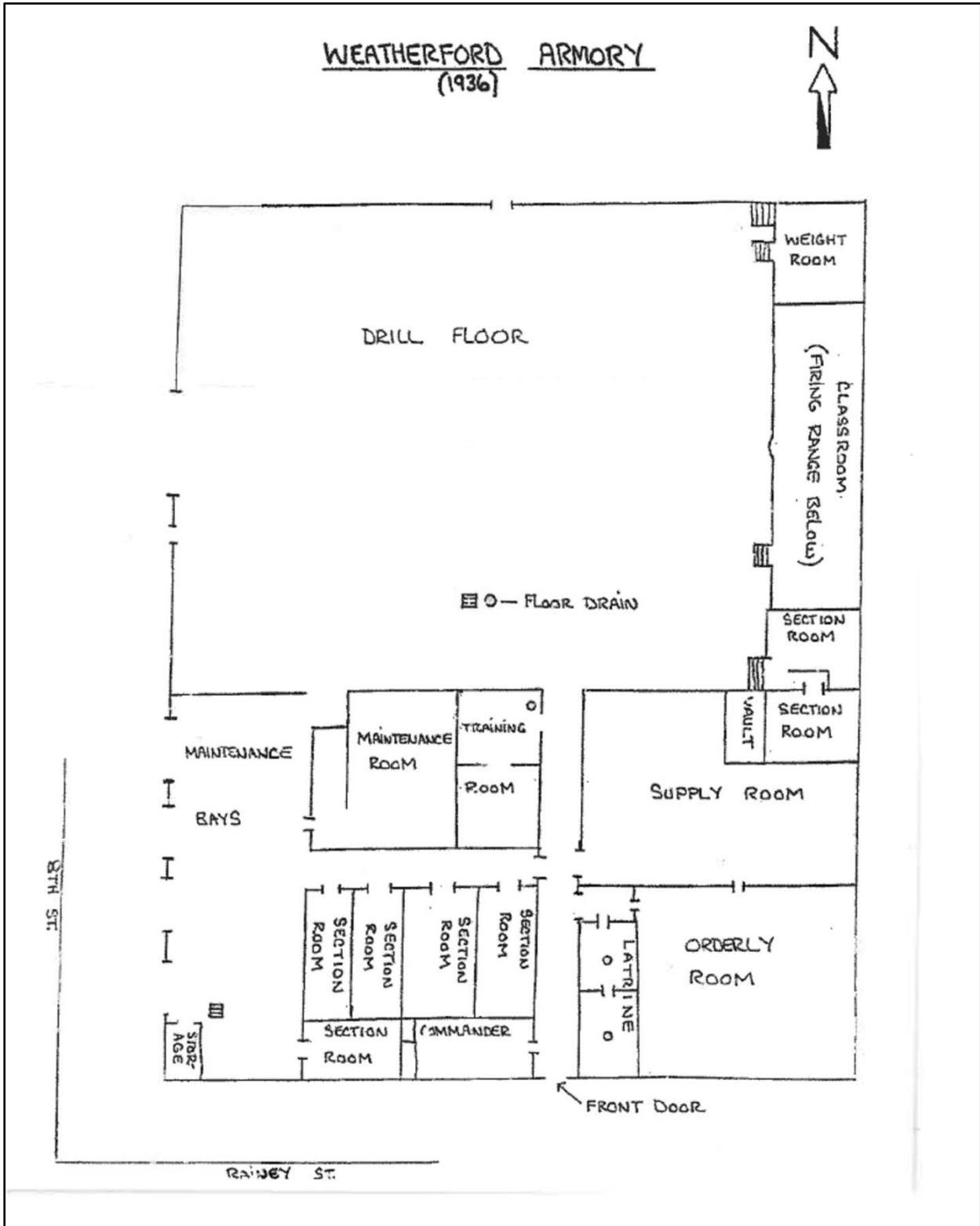
The IFR was accessed and large amounts of miscellaneous materials were encountered. These materials were left by the military before they vacated the former Weatherford National Guard Armory. Items included tables, chairs, tarps, tents, batteries, and numerous boxed and opened cardboard boxes filled with military related materials. Near the back of the IFR, sand from the shooting range was encountered. One sample was collected from the IFR sand. Additionally, several different types of batteries were observed and documented below, including lithium/sulfur dioxide batteries.

Mike Brown had little knowledge of the past uses in the building but gave me the name and contact information of John Reynolds, a former recruiter at the Weatherford National Guard Armory.

Photographs of the building and IFR are shown below.

A floor plan of the former National Guard Amory is provided below.

Floor Plan



Photographs of Site



Figure 1. Front Door of Weatherford Armory.



Figure 2. Maintenance Bay doors on west side of Armory.



Figure 3. Commercial properties due south of Weatherford Armory.



Figure 4. Empty lot due west of Weatherford Armory.



Figure 5. Residential properties southwest of Weatherford Armory.



Figure 6. Alley on north side of Weatherford Armory (facing east).



Figure 7. Alley on east side of Weatherford Armory (facing south).



Figure 8. Vent from indoor firing range (IFR) on east side of Armory (facing west).
Two soil samples collected at base of vent.



Figure 9. Commercial properties east of Weatherford Armory.



Figure 10. Alley on east side of Armory (facing north).



Figure 11. Drill Floor of Weatherford Armory.



Figure 12. Abandoned Military items inside IFR.



Figure 13. Lithium/sulfur dioxide batteries inside IFR.



Figure 14. Boxes of lithium/sulfur dioxide batteries.



Figure 15. IFR facing south towards the bullet backstop.



Figure 16. IFR facing north towards entrance.

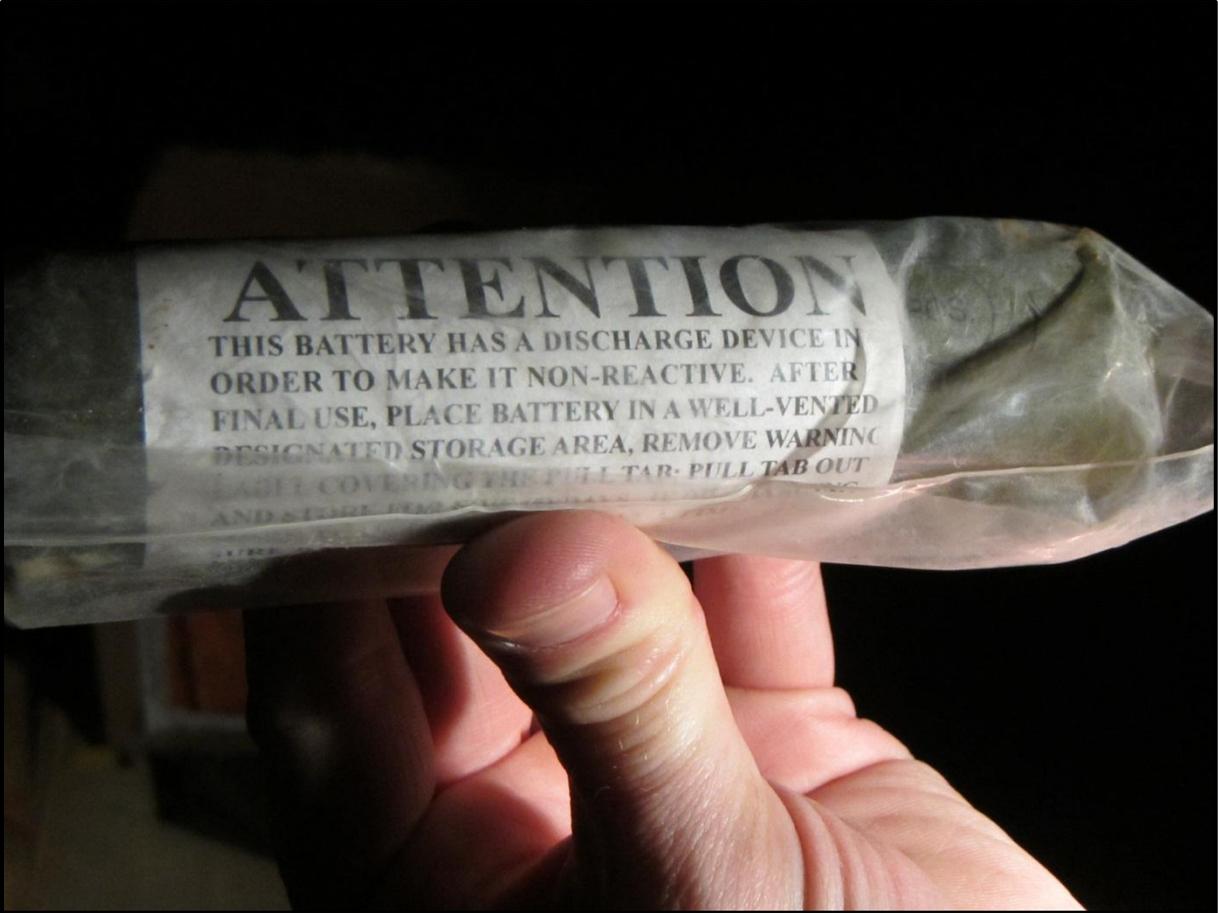


Figure 17. Assorted battery found inside IFR.



Figure 18. Sand from beneath bullet backstop. One sample was collected from sand.



Figure 19. Lighting ballasts hanging in supply room.

Site Interview

Weatherford Armory

Supplies Sergeant
MCO
Recruiter

GENERAL TOPICS TO COVER DURING OWNER/OPERATOR/NEIGHBOR INTERVIEWS

Target Property: Weatherford Armory
Please print your name: John Reynolds 1991-2007 Date: 6/18/2013
Relative to the property in question, are you the:
Owner/Occupant/Neighbor/Employee/Observer/Other _____ ? (circle one)

If the space provided by a question is too small for your answer, please write the question number and the rest of the answer on the back.

*1. What types of chemicals were used at the armory?

General cleaning supplies, rifle cleaner

*2. Are you aware of any chemicals currently present in the armory?

No

*3. Please describe the current properties that are nearby in the spaces provided below (i.e. residential, list business name, etc):

Property to the North Main St. businesses

Property to the East Bowling Alley

Property to the South Formed Cabinet shop

Property to the West Empty Lot

*4. Please describe the historical use of the properties nearby in the spaces provided below (if unknown, please put unknown in the spaces):

Property to the North _____

Property to the East _____

Property to the South _____

Property to the West _____

5. Are you aware of any current Industrial use in the area? No

6. Are you aware of current Industrial use nearby? (if so, please describe uses, period, location) No

7. Are you aware of any past Industrial use in the area? No
8. Are you aware of past Industrial use nearby? (if so, please describe uses, period, location) No
9. Most common types of industrial use (circle as appropriate): Service station, Vehicle repair, Print shop, Dry cleaner, Photo lab, Junkyard, Waste treatment/storage/disposal sites, or Other : N/A
10. Are you aware of any discarded auto/industrial batteries, pesticides, paints or other industrial chemicals present in the area? Larger than 5 gallon size? More than 50 gallons total? No
11. Are you aware of any drums or storage tanks present in the area? No
12. Are you aware of any fill dirt brought onto the property? Do you know the source of the fill? No
13. Are you aware of any pits, lagoons, or ponds (or former pits, lagoons, or ponds) in the area? No
14. Are you aware of any stained soil, chemical spills, or groundwater seeps in the area? No
15. Are you aware of any oil and gas exploration on the property or nearby? No
16. Are you aware of any groundwater or surface water contamination on the property or nearby? No
17. Are you aware of discharges and runoff from nearby properties affecting the armory property? No
18. Are you aware of any vent pipes or fill pipes protruding from the ground now or in the past? Yes - SW. corner of property, drain pipe from washbay to curb
19. Are you aware of any past leaks, spills, or stains in the area? No
20. Are you aware of any underground storage tanks used to store gasoline or diesel on-site in the past or present? Yes, (W) side of building used to have fuel tank underground.

21. Are you aware of any unusual odors coming from soil; structures or drains in the area? No

22. Are you aware of any wells in the area, or nearby? No

23. Are you aware of any environmental lawsuits, liens or violations? No

24. Are you aware of any hazardous substances, past or present, in the area? No

25. Are you aware of any wastewater discharge in the area? No

26. Do you know anybody who worked there before? How could we reach them? No

27. Are you aware of any transformers in the area? No

28. Have you heard of any "meth labs" in the area or nearby? No

29. Was there a firing range at this facility, or an area used as a firing range? Yes-basement

30. Was sand from the firing range used or disposed? Where? Don't Know

31. Are there or have there been radiation signage in the building? If so, what do the sign(s) say? Yes - Supply Room

32. Are water impoundments present on the property? Don't Know

33. Have above ground storage tanks been used on the property in the past or present? Where? No

34. Are you aware of any hazardous air emissions on the property or nearby properties? No

PLEASE USE THIS SPACE FOR ANSWERS FOR WHICH WE DIDN'T LEAVE ENOUGH ROOM

Appendix C: Aerial Photographs of Subject Property



Figure C-1: 1940 Aerial Photograph

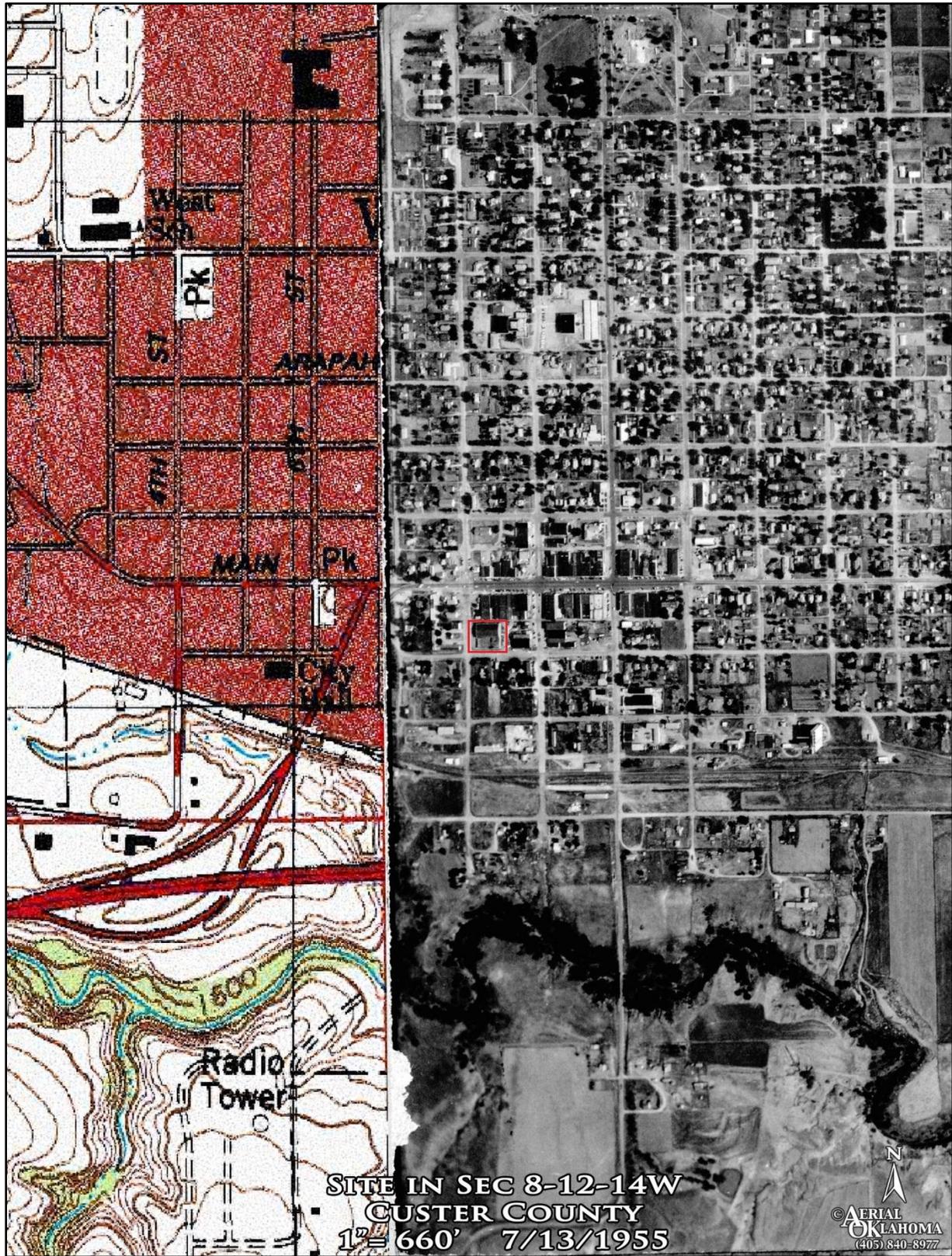


Figure C-2: 1955 Aerial Photograph



Figure C-3: 1959 Aerial Photograph



Figure C-4: 1967 Aerial Photograph



Figure C-5: 1974 Aerial Photograph



Figure C-6: 1980 Aerial Photograph



Figure C-7: 1981 Aerial Photograph



Figure C-8: 1995 Aerial Photograph



Figure C-9: 2003 Aerial Photograph

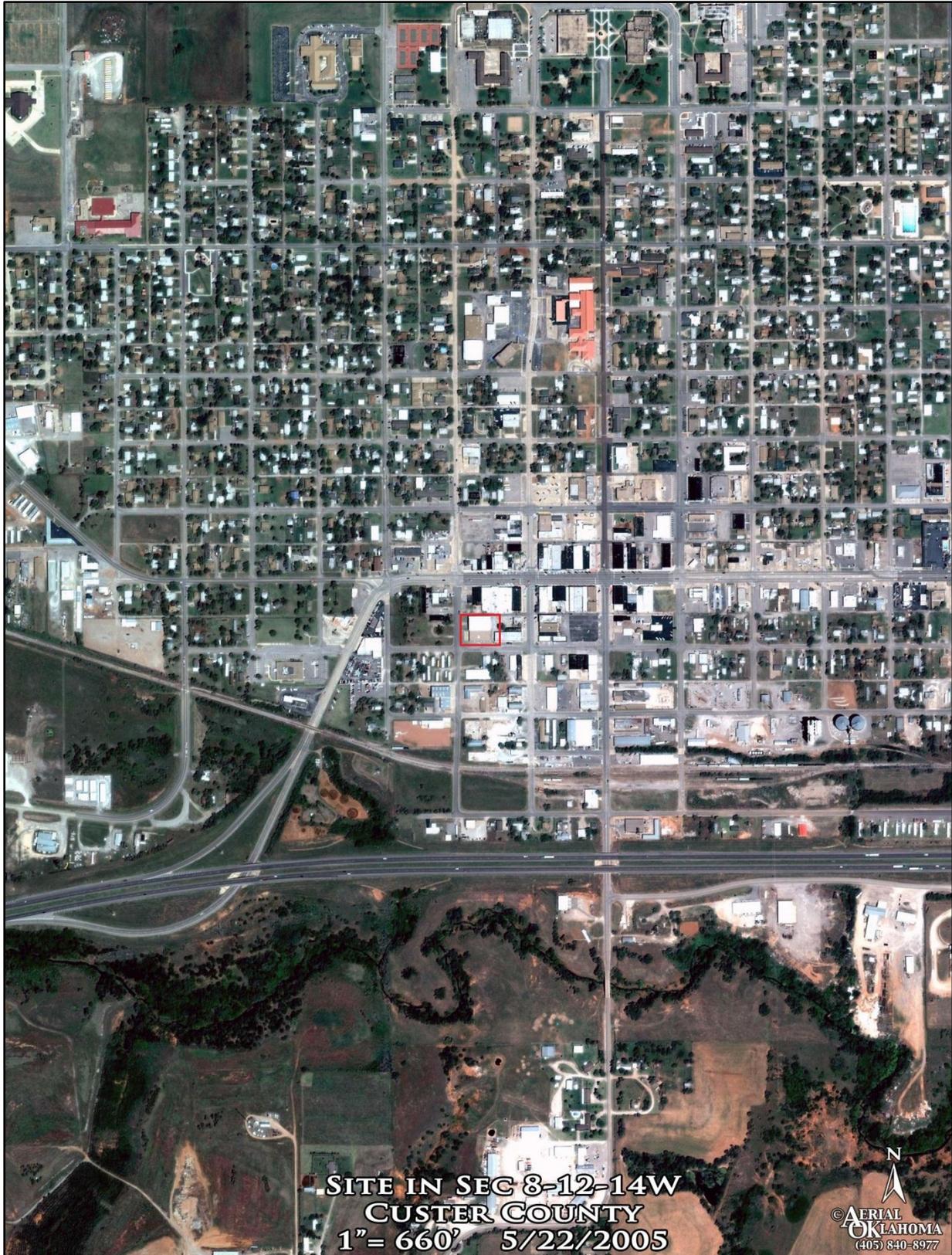


Figure C-10: 2005 Aerial Photograph



SITE IN SEC 8-12-14W
CUSTER COUNTY
1" = 660' 2008

N
© AERIAL
OKLAHOMA
(405) 840-8977

Figure C-11: 2008 Aerial Photograph

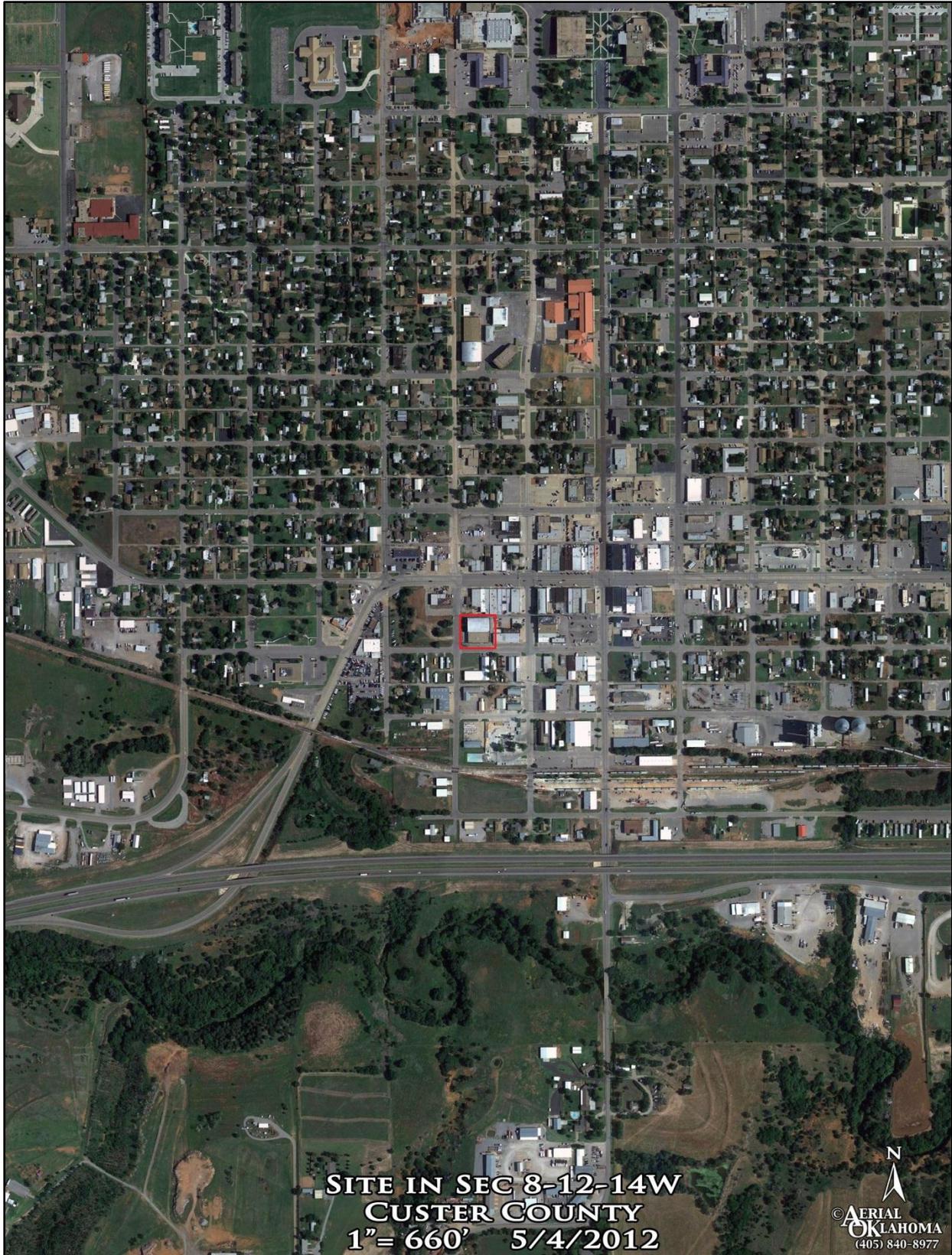


Figure C-12: 2012 Aerial Photograph

Appendix D: FEMA Flood Zone Map



E COLLE NEVADA Program at 1-800-638-6620.

E HUBER
AVE



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0615E

FIRM

**FLOOD INSURANCE RATE MAP
CUSTER COUNTY,
OKLAHOMA
AND INCORPORATED AREAS**

PANEL 515 OF 725

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CUSTER COUNTY	40000	0615	Z
UNINCORPORATED AREAS			
WEATHERFORD, CITY OF	40000	0615	Z

Note 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
40039C0515E**

**EFFECTIVE DATE
JANUARY 6, 2011**

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

Appendix E: Sanborn Maps

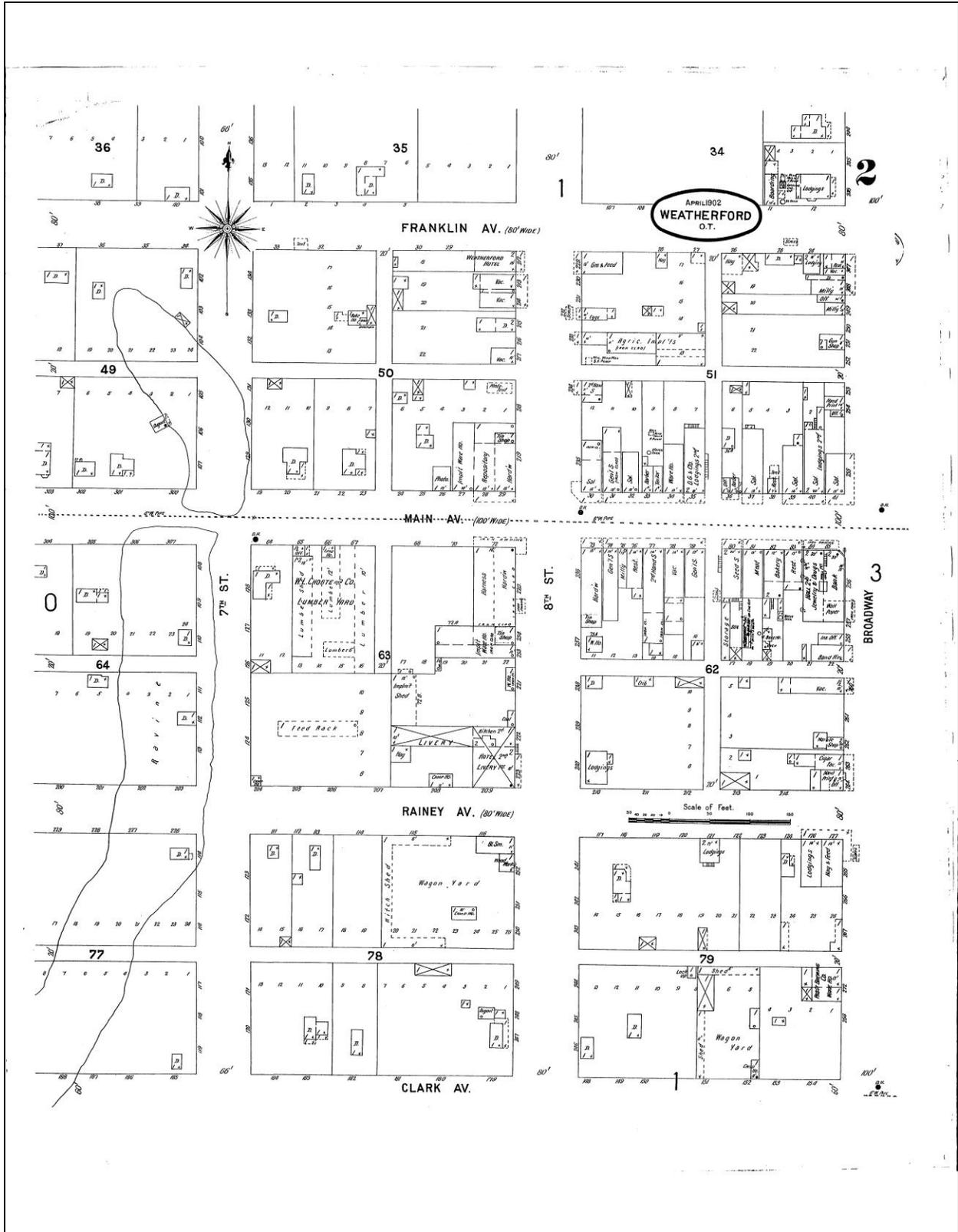


Figure 1. Weatherford Sanborn April 1902. Subject property on NE corner of 8th and Rainey.

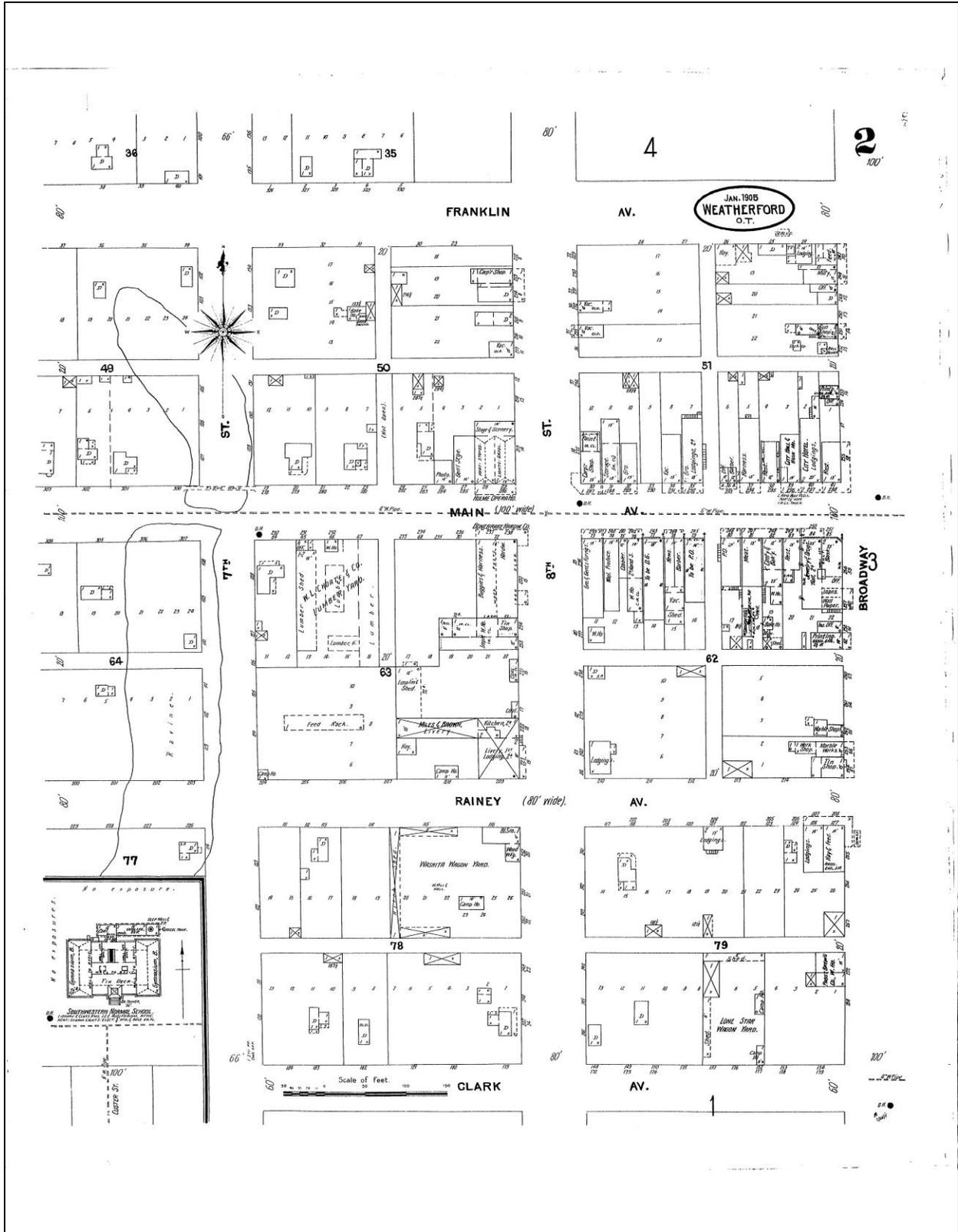


Figure 2. Weatherford Sanborn January 1905. Subject property is on NE corner of 8th and Rainey.

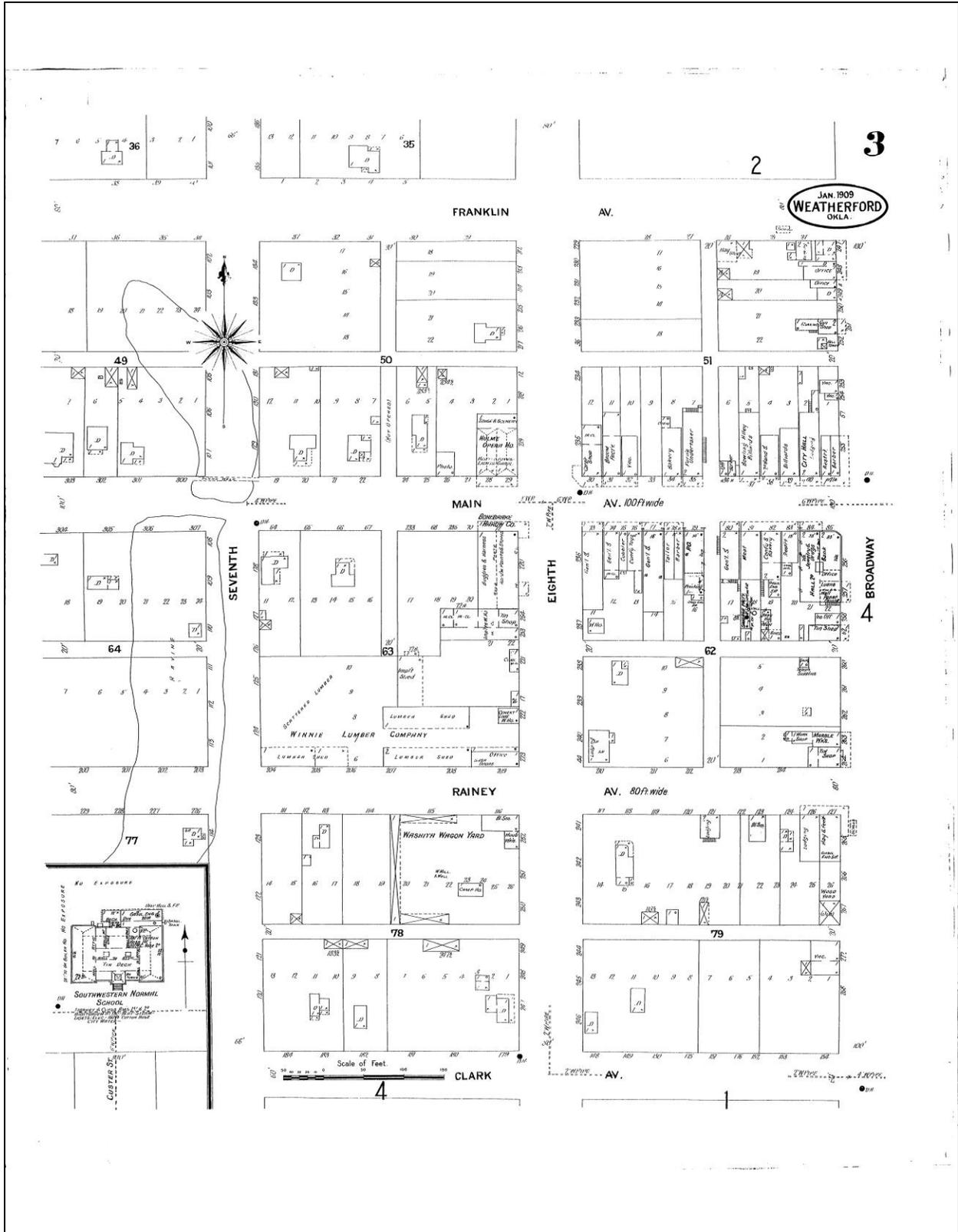


Figure 3. Weatherford Sanborn January 1909. Subject property is on NE corner of 8th and Rainey.

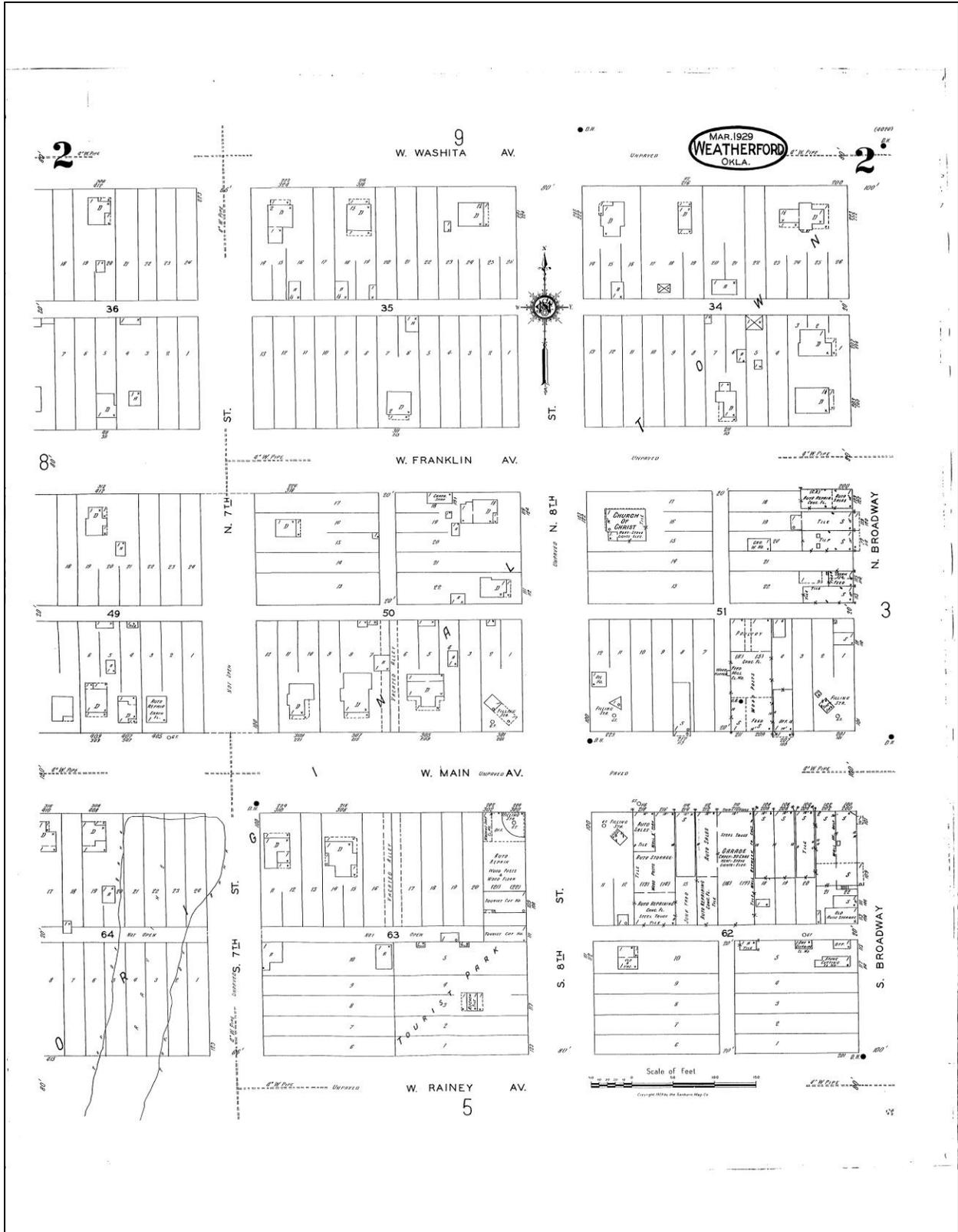


Figure 6. Weatherford Sanborn March 1929. Subject property is on NE corner of 8th and Rainey.

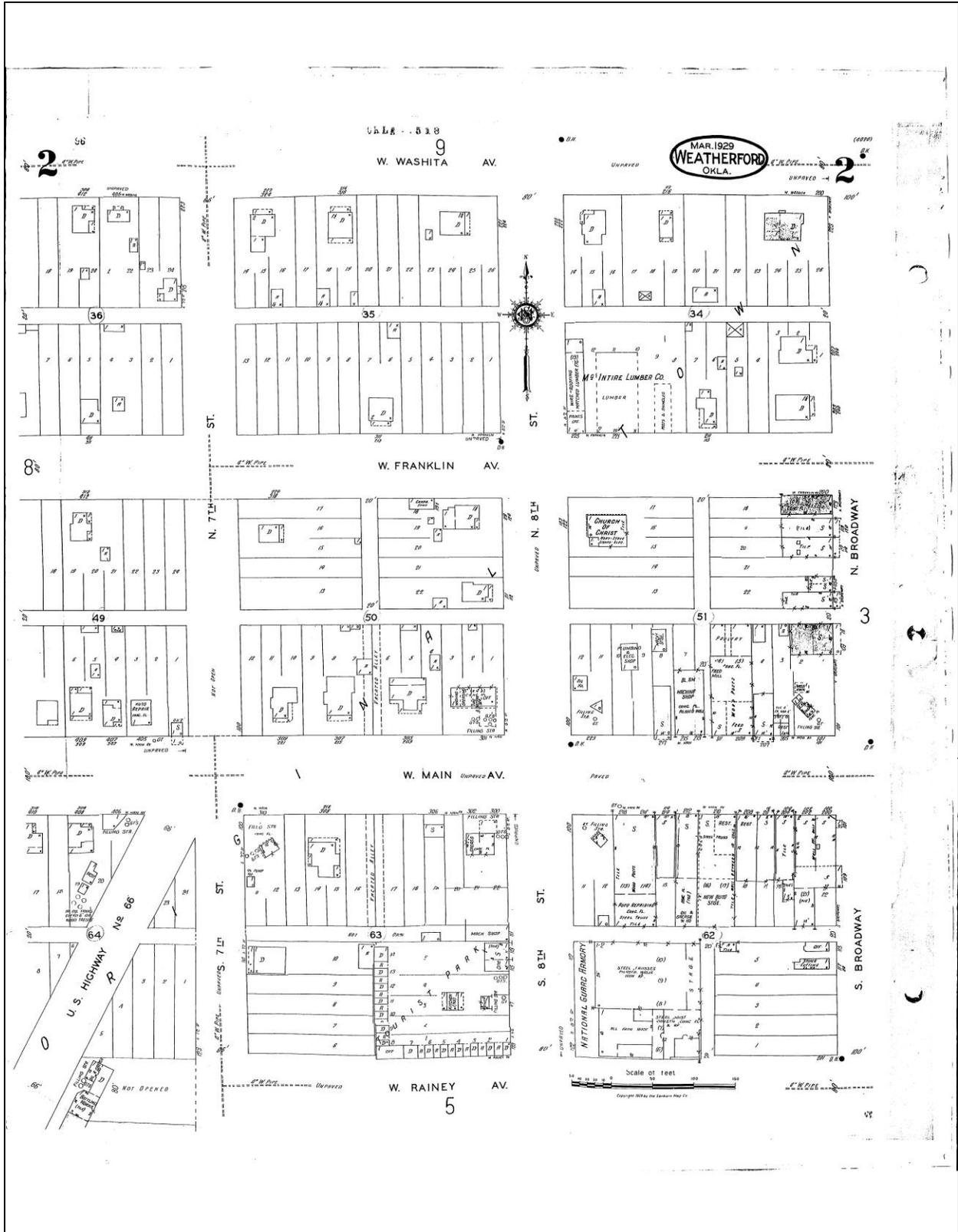


Figure 7. Weatherford Sanborn March 1929-1938. Subject property is on NE corner of 8th and Rainey.

Appendix F: USGS Topographical Map/Site Maps

Site Map

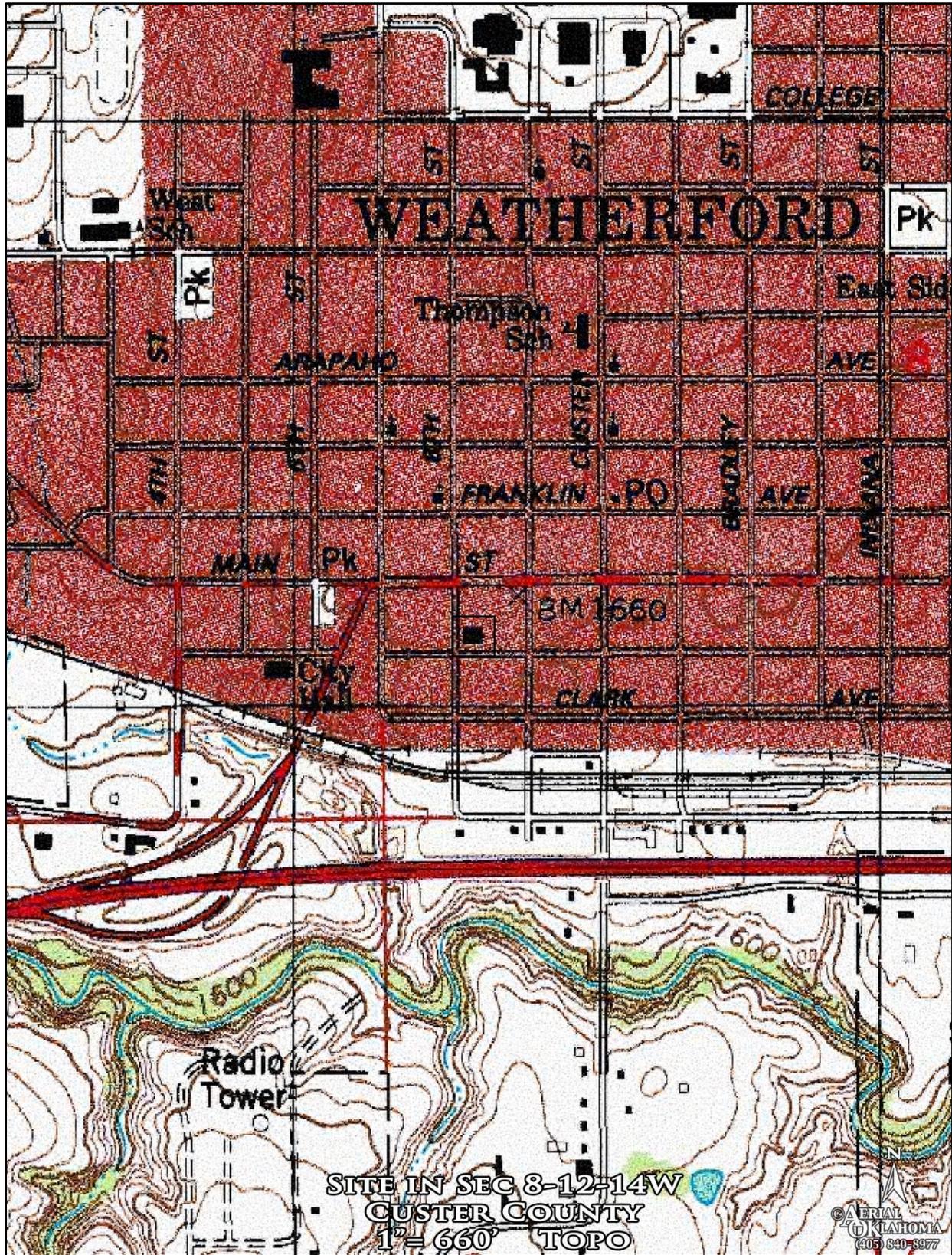
Weatherford National Guard Armory



Map created by Brian Stanila
on 8/26/2013.

We make every effort to provide and maintain accurate, complete, usable, and timely information. However, some data and information on this map may be preliminary or out of date and is provided with the understanding that it is not guaranteed to be correct or complete. Conclusions drawn from, or actions undertaken on the basis of, such data and information are the sole responsibility of the user.

Topographic Map



SITE IN SEC 8-12-14W
CUSTER COUNTY
1" = 660' TOPO

AERIAL OKLAHOMA
(405) 640-5977

Appendix G: Deed Information

Property Ownership Information

WARRANTY DEED

7977

Western Bank & Office Supply Co., Stationers, Oklahoma City—17421

FROM
R. C. Everts

TO
City of Weatherford

STATE OF OKLAHOMA, COUNTY OF CUSTER, ss.
This instrument filed for record this 1 day of May A. D., 1936, at 9 o'clock A.M.
and duly recorded in Book 58 Page 182
Fee \$ _____ in advance.
By Ratis M. Miller County Clerk
Marie A. Post Deputy
(Clerk's Seal)

KNOW ALL MEN BY THESE PRESENTS:

State of Oklahoma, Custer County

That R. C. Everts and Ora Everts, his wife and F. H. Hudelson and Delma Hudelson, his wife

parties of the first part, in consideration of the sum of

One Thousand and no/100 DOLLARS,

in hand paid, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto

The City of Weatherford, Oklahoma

of _____ County, State of _____, part of the

second part, the following described real property and premises situated in Custer County, State of Oklahoma, to-wit:
Lots six (6) seven (7) Eight (8) nine (9) and ten (10) in Block sixty two (62) of the original town of Weatherford, Oklahoma

\$1.00 Reuse

together with all the improvements thereon and the appurtenances thereunto belonging and warrant the title to the same.

To Have and to Hold said described premises unto the said parties of the second part their heirs and assigns forever free, clear and discharged of and from all former grants, charges, taxes and judgments, mortgages and other liens and encumbrances of whatsoever nature _____ except _____

Signed and delivered this 5th day of September 1935
R. C. Everts
Ora Everts
F. H. Hudelson
Delma Hudelson

State of Oklahoma, Custer County, ss.

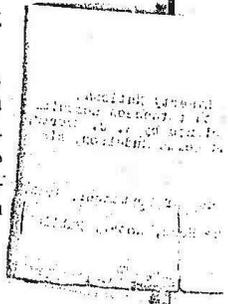
Before me, _____, a Notary Public in and for said County and State, on this 12 day of September 1935 personally appeared

R. C. Everts and Ora Everts, his wife
and F. H. Hudelson and Delma Hudelson, his wife to me known to be

the identical person who executed the within and foregoing instrument, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

WITNESS my hand and official seal the day and year above set forth.

My commission expires Aug 21 1938 Eugene Sauer Notary Public
(N. P. Seal)



7979

CITY OF WEATHERFORD

TO

STATE OF OKLAHOMA

WARRANTY DEED

CLERK SEAL

STATE OF OKLAHOMA

COUNTY OF CUSTER, SS

This instrument filed this 4 day of May, A. D. 1935 at 9:10 A.M. and duly recorded in Book 60 page 376.

Katie M. Miller, County Clerk

By Marie A. Post, Deputy

WARRANTY DEED

This indenture, made and entered into this 11 day of October, 1935, by and between the Board of City Commissioners of Weatherford, Custer County, Oklahoma, acting by and through Sam Randle, the duly elected, qualified and acting Mayor of the Board of City Commissioners of Weatherford, Oklahoma, party of the first part, and the State of Oklahoma, acting as trustee for the Oklahoma National Guard, party of the second part, witnesseth:

That, whereas, on the 10 day of September, 1935, the said Board of City Commissioners of Weatherford, Oklahoma, made an Order by proper resolution authorizing the said party of the first part to sell certain real estate belonging to the said City of Weatherford, Oklahoma, to the said second party, and directing said Chairman of the Board of City Commissioners of said Weatherford Oklahoma, to execute and deliver a deed thereto the said second party.

Now, therefore, Know All Men By these Presents: That the Board of City Commissioners of Weatherford, Oklahoma, acting by and through Sam Randle, the duly elected, qualified and acting Mayor of the Board of City Commissioners of Weatherford, Oklahoma, party of the first part in consideration of the sum of One Dollar and other good and valuable considerations in hand paid, the receipt of which is hereby acknowledged, does grant, bargain, sell and convey unto the State of Oklahoma for the use and benefit of the Oklahoma National Guard, party of the second part, the following described real property and premises situated in Weatherford, State of Oklahoma, to-wit:

Lots 6-7-8-9 and 10; Block 62 of the Original Town of Weatherford, Oklahoma, together with all improvements thereon and the appertanances thereunto belonging, and warrant the title to same.

To Have and To Hold the said described premises unto the said party of the second part, its successors and assigns forever free, clear and discharged of and from all former grants, taxes, judgments, mortgages, and other liens and incumbrances of whatsoever nature.

Signed and delivered this 11 day of October, 1935.

Board of City Commissioners,
Weatherford, Oklahoma

By Sam Randle, Mayor

Attest:

Ruth G. Jones, City Clerk

SEAL

State of Oklahoma, County of Custer, Ss

Before me, the undersigned a Notary Public, within and for the above named County and state, on this the 11 day of October, 1935, personally appeared Sam Randle, to me known to be the duly qualified and acting Mayor of Weatherford Oklahoma, and the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same in his capacity as Mayor of Weatherford, Oklahoma, as his free and voluntary act and deed as such mayor and as the free and voluntary act and deed of the Board of City Commissioners of Weatherford, Oklahoma, for the uses and purposes therein set forth.

Witness my hand and seal the date afirst above written.

My commission expires: May 9, 1937

Ray Harris, Notary Public

N.P. SEAL

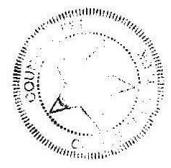
Accepted by the undersigned, Charles F. Barrett, the Adjutant General of the State of Oklahoma, pursuant to Chapter 25, House Bill No 288 of the Session Laws of the State of Oklahoma for 1931. This 12 day of October, 1935.
Charles F. Barrett, Adjutant General, State of Okla.

I, E. W. Marland, Governor of the State of Oklahoma, do hereby approve the above and foregoing acceptance, this 15 day of October, 1935.

E. W. Marland, Governor
State of Oklahoma.

Ret. - S. Houston Cantrell
3315 Military Cir
OKC OK 73111

I-2012-005878 Book 1569 Pg: 2
08/30/2012 1:39 pm Pg 0002-0003
Fee: \$ 0.00 Doc: \$ 0.00
Karen Fry - Custer County Clerk
State of Oklahoma



QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS:

That the State of Oklahoma, acting by and through the Oklahoma Military Department by its Adjutant General, Major General Myles L. Deering, a body corporate and politic and instrumentality of the State of Oklahoma, Grantor, in consideration of the sum of One and No/100 dollars and other valuable consideration in hand paid, the receipt and sufficiency of which are hereby acknowledged, do hereby quitclaim, grant, bargain, sell and convey unto the City of Weatherford, Oklahoma, Grantee, the following described real property and premises lying and situated in the Woodward County, State of Oklahoma, as follows:

A tract of land bounded and described as follows:

Being Lots Six (6), Seven (7), Eight (8), Nine (9), and Ten (10), in Block sixty-two (62), of the original town of Weatherford, Oklahoma;

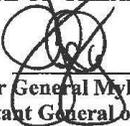
together with the improvements thereon and appurtenances thereunto belonging.

NOTICE: THE ABOVE DESCRIBED PROPERTY MAY HAVE BEEN CONTAMINATED WITH LEAD, ASBESTOS AND OTHER CONTAMINANTS.

TO HAVE AND TO HOLD the Real Property unto the Grantee its successors, and assigns.

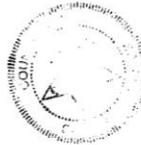
Signed and delivered this 25 day of July 2012.

STATE OF OKLAHOMA

By: 
Major General Myles L. Deering,
Adjutant General of the State of Oklahoma

Ref. - S. Houston Cantrell
355 Military Cir
Orc Ok 73111

I-2012-005878 Book 1589 Pg: 2
08/30/2012 1:39 pm Pg 0002-0003
Fee: \$ 0.00 Doc: \$ 0.00
Karen Fry - Custer County Clerk
State of Oklahoma



Corrected QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS:

That the State of Oklahoma, acting by and through the Oklahoma Military Department by its Adjutant General, Major General Myles L. Deering, a body corporate and politic and instrumentality of the State of Oklahoma, Grantor, in consideration of the sum of One and No/100 dollars and other valuable consideration in hand paid, the receipt and sufficiency of which are hereby acknowledged, do hereby quitclaim, grant, bargain, sell and convey unto the City of Weatherford, Oklahoma, Grantee, the following described real property and premises lying and situated in the Woodward County, State of Oklahoma, as follows:

①
10/5
φ

~~Woodward~~
Custer

A tract of land bounded and described as follows:

Being Lots Six (6), Seven (7), Eight (8), Nine (9), and Ten (10), in Block sixty-two (62), of the original town of Weatherford, Oklahoma;

together with the improvements thereon and appurtenances thereunto belonging.

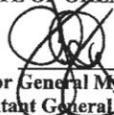
NOTICE: THE ABOVE DESCRIBED PROPERTY MAY HAVE BEEN CONTAMINATED WITH LEAD, ASBESTOS AND OTHER CONTAMINANTS.

TO HAVE AND TO HOLD the Real Property unto the Grantee its successors, and assigns.

Signed and delivered this 25 day of July 2012.



STATE OF OKLAHOMA

By: 
Major General Myles L. Deering,
Adjutant General of the State of Oklahoma

Corrected - Refile
I-2013-001841 Book 1591 Pg: 179
04/08/2013 11:25 am Pg 0179-0180
Fee: \$ 15.00 Doc: \$ 0.00
Karen Fry - Custer County Clerk
State of Oklahoma

Memorandum of Agreement between DEQ and City of Weatherford

ROUTING SLIP

DATE: September 19, 2011

TO: Steven A. Thompson
Executive Director

THROUGH: Sarah Penn *SEP*
Deputy General Counsel

THROUGH: Barbara Rauch *BR*
Supervising Attorney, LPD

THROUGH: Scott Thompson *ST*
Division Director, LPD

THROUGH: Rita Kottke *RK*
Environmental Programs Manager

THROUGH: Angela Hughes *AH 9/20/11*
Environmental Programs Manager

FROM: Dustin Davidson *DD*
Environmental Program Specialist

SUBJECT: Memorandum of Agreement
City of Weatherford
Weatherford Armory

REQUEST: One Signature, please.

RETURN TO: Dustin Davidson

The DEQ and the armory recipient are entering into this MOA so a framework is in place for DEQ to investigate and remediate the former armory for environmental hazards including but not limited to: lead and asbestos. We are requesting cooperation from the recipient in regard to the use of the building before/after remediation, etc. The MOA template was developed by SCAP staff and Barbara, with input from the OMD and DCS (including the General Counsel).

The MOA has been signed by the Mayor of Weatherford.

Please return the signed document to Dustin Davidson.

SEP 21 2011

**MEMORANDUM OF AGREEMENT
BETWEEN
THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AND
THE CITY OF WEATHERFORD**

FILED BY:

D. Ray
HEARING CLERK

1. PURPOSE: The purpose of this Memorandum of Agreement (MOA) is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the Oklahoma Department of Environmental Quality (DEQ) and the City of Weatherford (City). This agreement is primarily for occupancy and access to the local armory building at 223 West Rainey, Weatherford, Oklahoma before and during remediation. The areas of responsibility and relationships presented herein provide the concept under which the program will be executed.

2. BACKGROUND: There is a strong likelihood that the building contains asbestos and/or lead based paint. If an indoor firing range is located in the building, high concentrations of lead will be present. The DEQ plans to confirm the presence of hazards using sampling and analysis and to abate the asbestos, abate the lead based paint, and remediate the firing range.

3. RESPONSIBILITIES OF THE PARTIES: The following paragraphs identify responsibilities of the parties under this MOA:

The City's Responsibilities:

- Provide keys and access to DEQ and its contractors as needed to evaluate and remediate building;
- Restrict occupant's use/presence in the building before and during remediation, as requested. This could include removing equipment, vehicles and other items that may be in the way of cleanup activities; and
- Coordinate with DEQ during the remediation process.

The DEQ's Responsibilities:

- Provide regular progress reports to the City;
- Mitigate hazards to remedial goals with minimal use restrictions;
- Supply the City with a final report of all DEQ activities;

- File mandatory Notice of Remediation, i.e. deed notice;
- Notify the City of ongoing operations and maintenance issues, if any; and
- Perform armory transfer ceremony, if appropriate.

4. BUILDING USE RESTRICTIONS BEFORE CLEANUP

- No access to or use of the indoor firing range, if one is located there;
- No residential use;
- No use as a child occupied or elder care facility; and
- No use of the property without DEQ approval.
- No use that would allow exposure to contaminants.

5. RESPONSIBILITY FOR COSTS: The DEQ is responsible for costs associated with site characterization and remediation in the armory building. The DEQ is not responsible for costs associated with insuring, maintenance and mowing of the property. The DEQ is not responsible for structural issues, replacement of roofing systems, mold issues, or building security. This MOA is expressly contingent upon funding and shall terminate without penalty either in whole or in part if funds are not made available to the Site Cleanup Assistance Program.

6. PUBLIC INFORMATION: The City is generally responsible for all public information. However, the DEQ may make public announcements and respond to all inquiries relating to the characterization and remediation of the building. The City and the DEQ shall make their best efforts to give the other party advance notice before making any public statement regarding work contemplated, undertaken, or completed pursuant to this MOA. DEQ will prepare a press release in advance of the armory ceremony, if one is held.

7. COMMUNICATIONS AND COORDINATION REPRESENTATIVES: To provide consistent and effective communication between the DEQ and the City, each party shall appoint a principal representative to serve as its central point of contact on matters relating to this MOA.

For the DEQ:

Angela Hughes
Program Manager
Box 1677, OKC, OK 73101-1677
405-702-5100
Angela.Hughes@deq.ok.gov

For the City:

Mayor Mike D. Brown
522 W. Rainey
Weatherford, OK 73096
580-774-4501
mayorbrown@cityofweatherford.com

8. MISCELLANEOUS: This MOA shall not affect any pre-existing or independent relationships or obligations between the parties.

9. EFFECTIVE DATE: This Agreement becomes effective upon the date of the signature of the Executive Director of the DEQ and will remain in effect until the armory building has been remediated and released for occupancy by the DEQ.

10. ACCEPTANCE OF AGREEMENT: The parties acknowledge and agree that they have read the Agreement and that they accept the responsibilities with which they are charged. The City agrees to comply with the building use restrictions before cleanup and understands that failure to comply with said restrictions or failure to adhere to the responsibilities enumerated in this Agreement may result in delayed remediation.



Mr. Mike D. Brown
Mayor
City of Weatherford


DATE



for Steven A. Thompson
Executive Director
Department of Environmental Quality


DATE

Appendix H: EPA Searches

4.1 Federal National Priorities List

Oklahoma (6 sites)

Site Name	City	CERCLIS ID	Final Listing Date	Site Score	Federal Facility Indicator	Additional Information	Map It!
Hardage/Criner	Criner	OKD000400093	09/08/1983	51.01	No	Site Listing Narrative Site Progress Profile Federal Register Notice	
Hudson Refinery	Cushing	OKD082471988	07/22/1999	29.34	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (8 pp, 183K)	
Oklahoma Refining Co.	Cyril	OKD091598870	02/21/1990	46.01	No	Site Listing Narrative Site Progress Profile Federal Register Notice	
Tar Creek (Ottawa County)	Ottawa County	OKD980629844	09/08/1983	58.15	No	Site Listing Narrative Site Progress Profile Federal Register Notice	
Tinker Air Force Base (Soldier Creek/Building 3001)	Oklahoma City	OK1571724391	07/22/1987	42.24	Yes	Site Listing Narrative Site Progress Profile Federal Register Notice	
Tulsa Fuel and Manufacturing	Collinsville	OKD987096195	01/19/1999	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (8 pp, 179K)	

Oregon (14 sites)

Site Name	City	CERCLIS ID	Final Listing Date	Site Score	Federal Facility Indicator	Additional Information	Map It!
Black Butte Mine	Cottage Grove	OR0000515759	03/04/2010	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (9 pp, 176K)	
Formosa Mine	Riddle	ORN001002616	09/19/2007	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (8 pp, 205K)	

4.1 Proposed NPL

Diamond Shamrock Corp. (Painesville Works)	Painesville	OHD980611909	05/10/1993	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice
Dover Chemical Corp.	Dover	OHD004210563	05/10/1993	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice
Rickenbacker Air National Guard Base	Lockbourne	OH3571924544	01/18/1994	50.00	Yes	Site Listing Narrative Site Progress Profile Federal Register Notice
South Dayton Dump & Landfill	Moraine	OHD980611388	09/23/2004	48.63	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (7 pp, 201K)

Oklahoma (2 sites)

Site Name	City	CERCLIS ID	Proposed Date	Site Score	Federal Facility Indicator	Additional Information	Map It!
National Zinc Corp.	Bartlesville	OKD000829440	05/10/1993	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice	
Wilcox Oil Company	Creek County	OK0001010917	05/24/2013	50.00	No	Site Listing Narrative Site Progress Profile Federal Register Notice (PDF) (8 pp, 226K)	

Oregon (1 site)

Site Name	City	CERCLIS ID	Proposed Date	Site Score	Federal Facility Indicator	Additional Information	Map It!
Astoria	Astoria	OR0002392793	03/10/2011	50.00	No	Site Listing	

4.1 Deleted NPL

Metal (OHD017506171)				<ul style="list-style-type: none"> ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (2 pp, 160K) ➤ Deletion FR Notice (PDF) (4 pp, 173K) 	
Bowers Landfill (OHD980509616)	Circleville	10/29/1997	50.49	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (3 pp, 160K) ➤ Deletion FR Notice (PDF) (2 pp, 109K) 	
Chemical & Minerals Reclamation (OHD980614549)	Cleveland	12/30/1982		<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Deletion FR Notice 	
Coshocton Landfill (OHD980509830)	Franklin Township	10/07/1998	39.14	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (2 pp, 146K) ➤ Deletion FR Notice (PDF) (1 pg, 139K) 	
Laskin/Poplar Oil Co. (OHD061722211)	Jefferson Township	09/05/2000	35.95	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (2 pp, 247K) ➤ Deletion FR Notice (PDF) (3 pp, 251K) 	
Republic Steel Corp. Quarry (OHD980903447)	Elyria	11/12/2002	29.85	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (1 pg, 157K) ➤ Deletion FR Notice (PDF) (6 pp, 181K) 	

Oklahoma (7 sites)

Site Name (CERCLIS ID)	City	Deletion Date	Site Score	Additional Information	Map It!
Compass Industries (Avery Drive) (OKD980620983)	Tulsa	07/18/2002	36.57	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (5 pp, 177K) ➤ Deletion FR Notice (PDF) (1 pg, 159K) 	
Double Eagle Refinery Co. (OKD007188717)	Oklahoma City	08/21/2008	30.83	<ul style="list-style-type: none"> ➤ Site Listing Narrative ➤ Site Progress Profile ➤ Notice of Intent for Deletion (PDF) (1 pg, 172K) ➤ Deletion FR Notice (PDF) (2 pp, 176K) 	
Fourth Street	Oklahoma	08/21/2008	30.67	<ul style="list-style-type: none"> ➤ Site Listing Narrative 	

Abandoned Refinery (OKD980696470)	City			<ul style="list-style-type: none"> ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (2 pp, 177K) ▼ Deletion FR Notice (PDF) (2 pp, 176K) 	
Imperial Refining Company (OK0002024099)	Ardmore	09/19/2013	30.00	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (2 pp, 217K) ▼ Deletion FR Notice (PDF) (6 pp, 256K) 	
Mosley Road Sanitary Landfill (OKD980620868)	Oklahoma City	09/26/2013	38.06	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (1 pg, 194K) ▼ Deletion FR Notice (PDF) (5 pp, 236K) 	
Sand Springs Petrochemical Complex (OKD980748446)	Sand Springs	03/17/2000	28.86	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (7 pp, 780K) ▼ Deletion FR Notice (PDF) (2 pp, 245K) 	
Tenth Street Dump/Junkyard (OKD980620967)	Oklahoma City	11/21/2000	30.98	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (4 pp, 254K) ▼ Deletion FR Notice (PDF) (2 pp, 247K) 	

Oregon (4 sites)

Site Name (CERCLIS ID)	City	Deletion Date	Site Score	Additional Information	Map It!
Allied Plating, Inc. (ORD009051442)	Portland	11/14/1994	39.25	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (2 pp, 37K) ▼ Deletion FR Notice 	
Gould, Inc. (ORD095003687)	Portland	09/30/2002	32.12	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (4 pp, 169K) ▼ Deletion FR Notice (PDF) (1 pg, 162K) 	
Joseph Forest Products (ORD068782820)	Joseph	11/04/1999	32.60	<ul style="list-style-type: none"> ▼ Site Listing Narrative ▼ Site Progress Profile ▼ Notice of Intent for Deletion (PDF) (4 pp, 209K) ▼ Deletion FR Notice (PDF) (1 pg, 140K) 	

4.2 Active CERCLIS



Superfund

You are here: [EPA Home](#) | [Superfund](#) | [Sites](#) | [Superfund Information Systems](#) | Search Superfund Site Information

Search Superfund Site Information

Disclaimer:

The CERCLIS Public Access Database contains a selected set of "non-enforcement confidential" information and is updated by the regions every 90 days. The data describes what has happened at Superfund sites prior to this quarter (updated quarterly). This database includes lists of involved parties (other Federal Agencies, states, and tribes), Human Exposure and Ground Water Migration, and Site Wide Ready for Reuse, Construction Completion, and Final Assessment Decision (GPRA-like measures) for fund lead sites. Other information that is included has been included only as a service to allow public evaluations utilizing this data. Independent Quality Assessments may be made of this data by reviewing the [QAPP provided by this link](#). (PDF 29pp, 124K)

Search Results

Search Criteria:

Active vs. Archived: **Active** [What are active and archived sites?](#)
State(s): **Oklahoma**

Found **113** site(s) that match your search criteria listed above.
To conduct another search, return to the [Search Superfund Site Information](#) page or request a [Customized SIS Report](#).

[Save results in Excel format](#)

Displaying sites 1 through 25

[Next \(26 - 50\)](#)

EPA ID ▼	Site Name ▼	City ▼	County ▼	State ▼	Non-NPL Status ▼	Non-NPL Status Date ▼	NPL Status ▼
OKN000606885	CARMEN MERCURY SPILL	CARMEN	ALFALFA	OK	RO	07/22/2008	Not NPL
OKN000607379	DURANT FIRE DEPARTMENT MERCURY RESPONSE	DURANT	BRYAN	OK	RO	03/12/2012	Not NPL
OKP410175491	EARTH BIOFUELS PLANT	DURANT	BRYAN	OK	RO	09/11/2008	Not NPL
OKN000607556	ANADARKO TANK	ANADARKO	CADDO	OK	PS	09/03/2013	Not NPL

	BATTERY						
OKN000605512	APACHE DRUMS	APACHE	CADDO	OK	RO	11/14/2002	Not NPL
OKN000606745	APACHE MAHSEET STREET SITE	APACHE	CADDO	OK	SS	05/04/2007	Not NPL
OKD091598870	OKLAHOMA REFINING CO.	CYRIL	CADDO	OK	[Blank Code]	[Blank Date]	Final NPL
OK0002024099	IMPERIAL REFINING COMPANY	ARDMORE	CARTER	OK	[Blank Code]	[Blank Date]	Deleted NPL
OKN000606834	INDEPENDENT TANK COMPANY	SEMINOLE	CHEROKEE	OK	PS	10/31/2007	Not NPL
OK0002365138	EMCO TERMITE AND PEST CONTROL	OKLAHOMA CITY	CLEVELAND	OK	RO	05/11/2000	Not NPL
OK0000963389	DRUMRIGHT STATION	DRUMRIGHT	CREEK	OK	RO	01/24/2008	Not NPL
OKN000606909	LORRAINE REFINERY SITE	BRISTOW	CREEK	OK	[Blank Code]	[Blank Date]	Part of NPL Site
OK0001327451	NU-CHROME PLATING	BRISTOW	CREEK	OK	RO	10/21/2002	Not NPL
OK0000605165	OILTON AUTO PACK	OILTON	CREEK	OK	RO	09/14/1999	Not NPL
OK0001010917	WILCOX OIL COMPANY	CREEK COUNTY	CREEK	OK	[Blank Code]	[Blank Date]	Proposed NPL
OKD987097516	TEXAS GULF REFINING CORP.	ARNETT	ELLIS	OK	SS	10/27/2011	Not NPL
OKN000607135	BRUNKEN AGRICULTURAL SALES	GARBER	GARFIELD	OK	PO	05/19/2011	Not NPL
OKN000605573	ENID FBI HAZCAT	ENID	GARFIELD	OK	RO	05/30/2003	Not NPL
OKN000607268	GARBER CITY WELLS	GARBER	GARFIELD	OK	SS	09/24/2012	Not NPL
OKD987079860	KEM WEED CONTROL	ENID	GARFIELD	OK	RR	11/12/1991	Not NPL
OK0000139170	CHICKASHA LAUNDRY & DRY CLEANING, INC.	CHICKASHA	GRADY	OK	SS	01/10/2012	Not NPL
OKN000607382	ONEOK PROPANE BLOWOUT	MEDFORD	GRANT	OK	RO	03/16/2012	Not NPL
OKN000606632	WAKITA COMPRESSOR STATION	WAKITA	GRANT	OK	RO	01/18/2007	Not NPL
OKN000607230	GRANITE WATER WELL ROUNDUP SPILL	GRANITE	GREER	OK	RO	09/28/2011	Not NPL
OK0001911155	GRAY AG-AIR	HOLLIS	HARMON	OK	RO	08/06/2001	Not NPL

SITE									
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Displaying sites 1 through 25

[Next \(26 - 50\)](#)

[OSWER Home](#) | [Superfund Home](#)

URL: <http://cumulis.epa.gov>

This page design was last updated on Tuesday, December 06, 2011

Content is dynamically generated by ColdFusion

4.2 Archived CERCLIS



http://cumulis.epa.gov/supercpad/cursites/srchrslt.cfm?Start=826&sortby=city
Last updated on 11/7/2013

Superfund

You are here: [EPA Home](#) [Superfund](#) [Sites](#) [Superfund Information Systems](#) Search Superfund Site Information

Search Superfund Site Information

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Search Results

Search Criteria:

Active vs. Archived: **Archived** [What are active and archived sites?](#)
State(s): **Oklahoma**

Found **877** site(s) that match your search criteria listed above.

To conduct another search, return to the [Search Superfund Site Information](#) page or request a **Customized SIS Report**.

[Save results in Excel format](#)

[Previous \(801 - 825\)](#)

Displaying sites 826 through 850

[Next \(851 - 875\)](#)

EPA ID ▼	Site Name ▼	City ▼	County ▼	State ▼	Non-NPL Status ▼	Non-NPL Status Date ▼	NPL Status ▼
OKD065438376	US POLLUTION CONTROL LONE MT IND WST SUR	WAYNOKA	WOODS	OK	NF	03/01/1980	Not NPL
OKD987085503	WAYNOKA AT&SF ROUNDHOUSE	WAYNOKA	WOODS	OK	NF	06/17/1994	Not NPL
OKD098460751	CANADIAN TANKS INV - VACCO CORPORATION	WEATHERFORD	CUSTER	OK	NF	08/30/1994	Not NPL
OKD980510804	CUSTER COUNTY OPEN LANDFILL	WEATHERFORD	CUSTER	OK	NF	03/01/1984	Not NPL

	#1						
OKD033158106	HORNE SPRAY CO INC	WEBBER FALLS	MUSKOGEE	OK	NF	04/01/1988	Not NPL
OKD980338883	RUSSELL CREEK COAL MINE	WELCH	CRAIG	OK	NF	06/01/1980	Not NPL
OK0000073569	CANADIAN RIVER DUMP	WELEETKA	OKFUSKEE	OK	NF	03/29/1995	Not NPL
OK0000830166	SNELL DUMP	WELEETKA	OKFUSKEE	OK	NF	03/29/1995	Not NPL
OKN000606674	WELEETKA ABANDONED REFINERY	WELEETKA	OKFUSKEE	OK	NF	08/30/2010	Not NPL
OKD987095569	BATTERY DUMP	WESTVILLE	ADAIR	OK	NF	04/01/1994	Not NPL
OKD980029623	WESTVILLE CITY OF LANDFILL	WESTVILLE	ADAIR	OK	NF	08/30/1994	Not NPL
OK0000606560	WETUMKA MACHINE SHOP	WETUMKA	HUGHES	OK	NF	12/10/2010	Not NPL
OK0000830067	WEWOKA CREEK DUMP	WETUMKA	HUGHES	OK	NF	03/29/1995	Not NPL
OKD980696876	CARLA JONES PROPERTY	WEWOKA	SEMINOLE	OK	NF	06/01/1985	Not NPL
OK0000605168	JUSTICE LANDFILL	WEWOKA	SEMINOLE	OK	NF	06/06/2002	Not NPL
OK0001225952	S.E.E. MANUFACTURING INC.	WEWOKA	SEMINOLE	OK	NF	08/28/1996	Not NPL
OKN000606831	WEWOKA CITIES SERVICE OIL CO.	WEWOKA	SEMINOLE	OK	NF	01/17/2012	Not NPL
OK0002460939	WEWOKA REFINERY	WEWOKA	[Blank County]	OK	NF	03/16/2000	Not NPL
OKD007206923	WHEATLAND DRUM SITE	WHEATLAND	OKLAHOMA	OK	NF	01/01/1985	Not NPL
OKD980750855	BULLARD'S OILFIELD SERVICE INC	WILSON	CARTER	OK	NF	06/01/1980	Not NPL
OKD981523301	TRI-CITY LANDFILL	WILSON	CARTER	OK	NF	02/01/1987	Not NPL
OKD980511398	WILSON DUMP	WILSON	CARTER	OK	NF	07/01/1980	Not NPL
OK0000843300	HECTOR ROAD DRUM	WINCHESTER	OKMULGEE	OK	NF	03/27/1995	Not NPL
OKD987087806	WEN-CLAY	WOODARD	WOODWARD	OK	NF	01/26/1999	Not NPL
OKD980750830	AMOCO/PPG WELL #1	WOODWARD	WOODWARD	OK	NF	03/01/1980	Not NPL

[Previous \(801 - 825\)](#)

Displaying sites 826 through 850

[Next \(851 - 875\)](#)[OSWER Home](#) | [Superfund Home](#)URL: <http://cumulis.epa.gov>

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4.2 Canadian Tanks Inc.

<http://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0601180>

Last updated on 11/7/2013



Superfund

You are here: [EPA Home](#) | [Superfund](#) | [Sites](#) | [Superfund Information Systems](#) | [Search Superfund Site Information](#)

Search Superfund Site Information

CANADIAN TANKS INV - VACCO CORPORATION

Site Information

[Site Info](#) | [Aliases](#) | [Operable Units](#) | [Contacts](#)
[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

This site has been archived from the inventory of active sites.

Site Name: CANADIAN TANKS INV - VACCO CORPORATION

Street: 301 EAST EADS

City / State / ZIP: WEATHERFORD, OK 73096

NPL Status: Not on the NPL

Non-NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

EPA ID: OKD098460751

EPA Region: 06

County: CUSTER

Federal Facility Flag: Not a Federal Facility

[Return to Search Results](#)

[Return to Search Superfund Site Information](#)

[OSWER Home](#) | [Superfund Home](#)

URL: <http://cumulis.epa.gov>

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06**



Site Name: Canadian Tanks Inc. CERCLIS ID#: OKD0984-60751

Alias Site Names: _____

Address: 301 E. Ends

City/County or Parish/State/Zip Code: City of Weatherford / Custer County / Oklahoma

Report Type, Date, and Author: SIP / September 12, 1994 / Fluor Daniel

RECOMMENDATION

<input checked="" type="checkbox"/> 1. No Further Remedial Action Planned (NFRAP)	<input type="checkbox"/> 2. Further Investigation Needed Under Superfund		
	<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority: <input type="checkbox"/> High
	<input type="checkbox"/> SI	<input type="checkbox"/> RA	<input type="checkbox"/> Low
	<input type="checkbox"/> ESI	<input type="checkbox"/> RI/FS	
	<input type="checkbox"/> Other: _____ To be performed by: _____		
<input type="checkbox"/> 3. Action Deferred to: <input type="checkbox"/> RCRA <input type="checkbox"/> NRC			

NOTIFY AUTHORITY:

<input type="checkbox"/> Removal	<input type="checkbox"/> RCRA	<input type="checkbox"/> TSCA	<input type="checkbox"/> CAA	<input type="checkbox"/> SMCRA
<input type="checkbox"/> Remedial	<input type="checkbox"/> State	<input type="checkbox"/> NPDES	<input type="checkbox"/> NRC	<input type="checkbox"/> Resource Trustee: _____
<input type="checkbox"/> CERCLA Enforcement	<input type="checkbox"/> Federal Facility	<input type="checkbox"/> UIC	<input type="checkbox"/> SPCC	<input type="checkbox"/> Other: _____
SEND COPIES TO:	<input checked="" type="checkbox"/> 6E-E	<input checked="" type="checkbox"/> 6W-SP	<input checked="" type="checkbox"/> ASTDR	<input checked="" type="checkbox"/> State Agency

00151

SUPERFUND SITE STRATEGY RECOMMENDATION
Canadian Tanks Inc.

DISCUSSION: The Canadian Tanks Inc. provided services to petroleum exploration companies. Services included storing drilling muds and salt water from drilling operations and washing equipment from drilling operations. Under the CERCLA Petroleum Exclusion, petroleum waste solely related to exploration are exempt from being consideration as a CERCLA hazardous waste for the Hazard Ranking System. There are no other hazardous waste reported at the facility.

Due to the lack of CERCLA hazardous waste, the Canadian Tanks Inc. site does not meet the minimum criteria of a viable candidate for inclusion on the Superfund National Priorities List; therefore, the site is designated a disposition of No Further Remedial Action Planned (NFRAP), and at this time does not warrant further investigation under Superfund.

This site is being referred to The State of Oklahoma for any appropriate action under the states regulations.

APPROVALS:

Report Reviewed by:
(Site Assessment Manager)

Lon Biasco

Signature:



Date: 09/28/94

Disposition Recommended by:
(Section Chief)

Eddie A. Sierra

Signature:



Date: 09/28/94

Disposition Approved by:
(Branch Chief)

Betty Williamson

Signature:



Date: 09/28/94

Introduction

Fluor Daniel was tasked by the U.S. Environmental Protection Agency (EPA) to conduct the Site Inspection Prioritization (SIP) for the Canadian Tanks, Inc. (CTI) site, Weatherford, Custer County, Oklahoma (EPA ID No. OKD098460751). After reviewing the file provided by the EPA and the PA-Score for the site completed by Fluor Daniel, the EPA Site Assessment Manager and the Fluor Daniel Project Manager concluded that a letter memorandum would be sufficient to complete the SIP assignment.

The decision to submit a letter report is based on an evaluation and the applicability of the CERCLA Petroleum Exclusion and the Petroleum Exploration Exclusion. Wastes at this site appear to be associated with exploration, development or production of crude oil or natural gas or geothermal energy, which are excluded from CERCLA regulation. Since petroleum-related compounds are excluded from the definition of a hazardous substance [CERCLA 101(14)] and pollutant or contaminant [CERCLA 104 (a)(2)], they are ineligible for further evaluation.

Background Information

The CTI site was a 1.1 acre facility located at 301 E. Eads, Weatherford, Oklahoma. Site coordinates are 35°31'48" North latitude and 98°42'45" West longitude. CTI leased the property from Farmrail Corporation of Elk City, Oklahoma in 1983. The CTI facility mixed various drilling muds for oil and gas exploration. Materials were stored in large above ground storage tanks. In addition, CTI leased fractionating tanks (frac tanks) to oil and gas companies and transported oil field sludge and salt water. Wastes transported by CTI were manifested and governed by the Oklahoma Corporation Commission. Wash out of frac tanks and tanker trucks was collected in two concrete lined impoundments on site. Prior to CTI's operations, the site was occupied by VACCO Corporation. VACCO Corporation was also involved in transporting oil field sludges and salt water until 1980 or 1981 when the company declared bankruptcy.

This site was initially identified in March 1980 when a former employee of VACCO Corporation contacted the EPA claiming that the sludges from the on-site surface impoundments were being dumped into the nearby drainage ditch. The ditch drains into Deer Creek, which is a tributary to the Washita River. In April 1984, a Site Inspection was performed by the Field Investigation Team (FIT). Two sediment samples were collected from the drainage pathway near the site. One sample was collected up gradient of the site and the second sample was collected down gradient of the site. Results of analysis indicated low levels of contaminants typical of oil related hydrocarbons.

Waste Characteristics

The site inspection report, dated July 23, 1984, identified four potential sources on site. These sources are as follows:

- Two concrete lined surface impoundments which receive tanker truck and frac tank wash out. The site inspection report estimated that the impoundments received 600 barrels of wash out fluids with 20 barrels of crude oil intermixed each month. The site

inspection report indicated that these impoundments were subject to overflow during rain events.

- The second potential source was a pile of rubble in the northeast corner of the site. The rubble consisted rock and wood fiber generated from drill cuttings. The site inspection report estimated that the site received 10 cubic yards of this type waste per month.
- The third potential source were the nine above ground storage tanks used to store drilling muds. These tanks ranged from 300 to 500 barrels capacity. No spill prevention control was around these storage tanks.

Fluor Daniel contacted the Farmrail Corporation, the property owners, to determine current site activities. Farmrail Corporation indicated that CTI had vacated the property several years ago and the property was subsequently leased to Anadarko Oil. Anadarko Oil has also vacated the site. Farmrail Corporation indicated that they had cleaned up the site and that the site was currently inactive and vacant.

Summary

The Canadian Tank, Inc. site is located in Weatherford, Custer County, Oklahoma. CTI and its predecessor provided services to oil and gas companies, that included transporting oil sludges and salt water from drill sites. Wash out from tanker trucks and frac tanks was stored in two on-site surface impoundments. The site was suspected of dumping sludge from impoundments into a nearby drainage ditch. Samples collected during a 1984 site inspection indicated that small concentrations of oil related wastes were present in the drainage. The data and the type of operations conducted at the facility indicate that this site should be excluded from CERCLA response and liability due to the petroleum exclusion and the petroleum exploration exclusion provisions.

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form 72070-3.

Corresponding
number on form

VIII-U

Additional Remark and/or Explanation

From the analysis of the samples taken it appears there are some small amounts of oil related hydrocarbons migrating from the site property. From the site inspection and talking to the manager of the company, Don Landrum, there is a drainage problem on site during heavy rainfall. The potential drainage path observed during the inspection is marked in photos 9 and 12. Surface runoff is possible from the cement wash basin (see Photo #4) when it is filled to the top in the process of washing the tank trucks and fractionating tanks and then subject to overflowing during heavy rains.

From the inorganic analysis (refer to inorganic summary sheet) for station #01 (MF0770) and station #02 (MF0771) chromium, barium, beryllium, zinc, arsenic, antimony, selenium and lead were above mean background levels. Since they were high in both samples, no conclusion can be made from the inorganic data in reference to migration from the site.

From the organic analysis (refer to organic summary sheet) for Station #01 (F-3579) there were four priority pollutants and one tentatively identified compound. Station #02 (F-3580) contained twelve priority pollutants and 12 tentatively identified compounds. There were small amounts of oil related hydrocarbons in the sample taken at station #02 (refer to photo #12 and site sketch-attachment five), but only a few (below detection limits) showed up in the analysis from station #01. The only compound of any significant level of concentration found at Station #01 was a tentatively identified compound (1,3,5-cycloheptatriene-1900 ppb). The contaminants at station #01 could be due to the fact that the sample was taken near an opening of a wooden culvert near a RR track that had numerous railroad cars situated nearby (refer to photo #5 & 6). All of the tentatively identified compounds from station #02 are compounds that were identified as unknown hydrocarbons (possibly being long chain alkanes that was denoted by the GC/MS mass spectra reference library). These compounds and the 12 priority pollutants detected are typical for an analysis of crude oil.

From the data analysis there appears to be some migration of oil related hydrocarbons in small concentrations that could possibly be coming from the company property. The FIT recommends that the company work out a plan with the city of Weatherford, OK to divert the drainage flow across their property that occurs during heavy rains and clean up their facility of crude oil spillage around storage tanks and overflow near the cement wash basin. If the company is not able to divert the drainage flow across the property, then a dike should be built up around the storage tanks and cement wash basin on site in order not to create contaminated surface runoff when it rains.

Site Sketch
 Canadian Tanks, Inc.
 Attachment Five

CLARKE

AVE.

37

36

ST.



RI MAIN TRACK

Station # 7 approx location
 (Background source - See Photo 9)
 5' From Lease Line
 to E Track

Stacking
 Drilling Mud

Pile of dirt
 Possibly
 some used
 Drilling
 mud

30.7'

EASEMENT STATE HWY

LEADS AVE.

BRADLEY ST.

S.W. 1/4 Sec 8, T-12-N, R-14-W
 CUSTER County, OKLA.

Lease No. 46693

Station # 22
 (See
 Photo 12)

129

FERRIS OIL CORPORATION
 HEATHERWOOD, CUSTER COUNTY, OKLA.
 Lease to CANADIAN TANKS, INC.

SCALE: None

CLARKE

AVE.

87

ST

86



RF Main Track 7

15' From Lease Line to E Track

80'±

465'

R/W 7

269'

EASEMENT STATE HWY

EADS AVE

BRADLEY ST.

S.W 1/4 Sec 8, T-12-N, R-14-W
CUSTER County, OKLA

Lease No. 46699

FARM RAIL CORPORATION
WEATHERFORD, CUSTER COUNTY, OKLAHOMA

Lease to serve - CANADIAN TRUNK LN

SCALE: 1" = 100'

TRACING

DATE: SEPTEMBER 26, 1963

PREPARED BY: C.P.P.

109

4.3 Federal RCRA CORRACTs List

http://www.epa.gov/rcrainfo/1?univA=SUBJCA_TSD_3004&univB=LQG&LIBS=&proc_group=0&procname=&program_search=2&report=1&page_no=1&output_switch=TRUE&database_type=RCRAINFO



Envirofacts Search Results



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: SUBJCA_TSD_3004

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on 11/7/2013

RCRAInfo Links

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<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: SUBJCA_TSD_DISCRETION

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on: 11/7/2013

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to: EPA FULLY ENFORCED&univ_search=2&univB=SUBJCA&LIBS=&proc_group=0&procname=&program_search=2&report=1&page_no=1&output_sql_switch=TRUE&database_type=RCRAINFO

Envirofacts Search Results

RCRAInfo



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: SUBJCA

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on 11/7/2013

RCRAInfo Links

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Envirofacts Search Results



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: CAWRKLD

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on: 11/07/2013

RCRAInfo Links

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- [Model](#)
- [Law](#)
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4.4 Federal RCRA non-CORRACTs TSD List



Envirofacts Search Results

RCRAInfo



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<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: PCWRKLD

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on 11/7/2013

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Envirofacts Search Results



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK
Handler Type: CLOSWRKLD

Results are based on data extracted on OCT-29-2013

No Results found.

Total Number of Facilities Displayed: 0

Last updated on 11/7/2013

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4.5 Federal RCRA Generators

**Envirofacts
Search Results**



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

<< Return

City Name: Weatherford
County Name: Custer
State Abbreviation: OK

Results are based on data extracted on OCT-29-2013

Note: Click on the CORPORATE LINK value for links to that company's environmental web pages.
Click on the MAPPING INFO value to obtain mapping information for the facility.

The facility information data within the output below can be downloaded in a comma-separated value file for use in Excel by clicking here:

[Go To Bottom Of The Page](#)

RCRAInfo Links

- [Overview](#)
- [Search](#)
- [Model](#)
- [Law](#)
- [RCRAInfo Search User Guide](#)
- [Contact Us](#)
- [Office of Resource Conservation and Recovery Home](#)

Report an Error

HANDLER NAME:ADVANCED LAUNDRY & CLEANERS**HANDLER ID:** OKR000001719
STREET: N STATE ST **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.529386 **LONGITUDE** -98.706432

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
ROY BATTICE	N STATE ST	WEATHERFORD	OK	73096	5807725298	Public
ROY BATTICE	N STATE ST	WEATHERFORD	OK	73096	5807725298	Permit
ROY BATTICE	424 N STATE ST	WEATHERFORD	OK	73096	5807725298	Permit

No NAICS Codes are available for the facility listed above.

HANDLER NAME:ALBERTS AUTO & TRUCK**HANDLER ID:** OKR000000372
STREET: S WASHINGTON **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.532294 **LONGITUDE** -98.694105

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
LISA SEIBOLD	707 S WASHINGTON	WEATHERFORD	OK	73096	5807726060	Public
LISA SEIBOLD	707 S WASHINGTON	WEATHERFORD	OK	73096	5807726060	Permit

No NAICS Codes are available for the facility listed above.

HANDLER NAME:ALBERTS TRUCK SERVICE AND SUPPLY **HANDLER ID:** OKR000019315
STREET: E SOUTH SERVICE RD **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE **LONGITUDE**

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
LISA SIEBOLD	PO BOX 228	WEATHERFORD	OK	73096	5807726065	Public
LISA SIEBOLD	PO BOX 228	WEATHERFORD	OK	73096	5807726065	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
81111	AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE
811112	AUTOMOTIVE EXHAUST SYSTEM REPAIR
811118	OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE
811191	AUTOMOTIVE OIL CHANGE AND LUBRICATION SHOPS

HANDLER NAME:ANR PIPELINE CO WEATHERFORD **HANDLER ID:** OKD987088127
STREET: AIRPORT RD **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE 35.54007 **LONGITUDE** -98.6587

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
WAYNE WILSON	PO BOX 669	WEATHERFORD	OK	73096	5807725252	Public
WAYNE WILSON	PO BOX 669	WEATHERFORD	OK	73096	5807725252	Permit

HANDLER NAME:BILL COOPER FRAC TANK CO **HANDLER ID:** OKD094775251
STREET: WILSON RD **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE 35.54037 **LONGITUDE** -98.65609

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
VERDA ENRIGHT	P O BOX 789	WEATHERFORD	OK	73096	5807727805	Public
VERDA ENRIGHT	P O BOX 789	WEATHERFORD	OK	73096	5807727805	Permit

HANDLER NAME: CHAMPION TECHNOLOGIES WEATHERFORD **HANDLER ID:** OKR000023960
STREET: N AIRPORT RD **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73906 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE: 35.542868 **LONGITUDE:** -98.658925

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
STACEE SCHWEIGERT	SOUTHWEST FREEWAY	HOUSTON	TX	77027	7133321548	Public
STACEE SCHWEIGERT	SOUTHWEST FREEWAY	HOUSTON	TX	77027	7133321548	Permit
MARK CERNIGLIARO	N AIRPORT RD	WEATHERFORD	OK	73906	7133321548	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
42469	OTHER CHEMICAL AND ALLIED PRODUCTS MERCHANT WHOLESALERS

HANDLER NAME: CHAPARRELL ENERGY FISHING TOOL **HANDLER ID:** OKR000021394
STREET: 2 MI S ON AIRPORT RD W MI W **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE: **LONGITUDE:**

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JOHN L GRISSION	RT 1 BOX 28	WEATHERFORD	OK	73096	5807740576	Public
JOHN GRISSION	RT 1 BOX 28	WEATHERFORD	OK	73096	5807740576	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
11132	CITRUS (EXCEPT ORANGE) GROVES

HANDLER NAME: DEFEHR IMPLEMENT INC **HANDLER ID:** OKD981605454
STREET: E MAIN **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPAREGION: 6
LATITUDE: 35.537013 **LONGITUDE:** -98.652109

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JEFF DEFEHR	P O BOX 391	WEATHERFORD	OK	73096	5807725578	Public
JEFF DEFEHR	P O BOX 391	WEATHERFORD	OK	73096	5807725578	Permit
RICK GOODALL	P O BOX 391	WEATHERFORD	OK	73096	5807725578	Permit

JEFF DEFEHR | 4501 E MAIN | WEATHERFORD | OK | 73096 | 5807725578 | Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
11511	SUPPORT ACTIVITIES FOR CROP PRODUCTION

HANDLER NAME: EASTMAN KODAK **HANDLER ID:** OKR000017327
STREET: E. FRONTAGE RD. **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.534106 **LONGITUDE:** -98.674266

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JAY S STERBA	E. FRONTAGE RD.	WEATHERFORD	OK	73096	5807743526	Public
NORBERT HOFFMAN					5807743586, 3586	Permit
JAY STERBA	E FRONTAGE RD	WEATHERFORD	OK	73096	5807743526	Permit
JAY STERBA	E FRONTAGE RD	WEATHERFORD	OK	73096	5807743586	Permit
JAY STERBA					5807743526	Permit
JAY STERBA	E. FRONTAGE RD.	WEATHERFORD	OK	73096	5807743526	Permit
NORBERT HOFFMAN					5807743586	Permit
DR NORBERT HOFFMAN	2720 E FRONTAGE ROAD	WEATHERFORD	OK	73096	5807743514	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
325992	PHOTOGRAPHIC FILM, PAPER, PLATE, AND CHEMICAL MANUFACTURING

HANDLER NAME: FORMER WAL-MART STORE # 392 **HANDLER ID:** OKR000016147
STREET: E MAIN ST **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.52606 **LONGITUDE:** -98.6986

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
TERESA PRUITT	SE 8TH ST	BENTONVILLE	AR	727160605	4792042231	Public
NICK HARRIS	702 SW 8TH STREET	BENTONVILLE	AR	72716	5807721408	Permit
TERESA PRUITT	SE 8TH ST	BENTONVILLE	AR	727160605	4792042231	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
45291	WAREHOUSE CLUBS AND SUPERCENTERS

HANDLER NAME: FPL ENERGY COWBOY WIND LLC **HANDLER ID:** OKR000025486
STREET: W SERVICE RD **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: **LONGITUDE:**

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
STEVE PARR	W SERVICE RD	WEATHERFORD	OK	73096	5807722080 11	Public
STEVE PARR	W SERVICE RD	WEATHERFORD	OK	73096	5807722080, 11	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
221119	OTHER ELECTRIC POWER GENERATION

HANDLER NAME: IMATION CORP **HANDLER ID:** OKD062267448
STREET: E. FRONTAGE RD **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.53409 **LONGITUDE:** -98.674209

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
LINDA C DANIELS	IMATION WAY	OAKDALE	MN	551283414	6517045719	Public
MEGHAN FORESTER					5807743356	Permit
SCOTT ROWLAND					5807743391	Permit
LINDA DANIELS	IMATION WAY	OAKDALE	MN	55128	651-704-5719	Permit
NORBERT D HOFFMAN					4057743586	Permit
NORBERT E HOFFMAN					4057725502	Permit
JOHN S HUNTER					6127785251	Permit
DONALD JONES	2700 E FRONTAGE RD	WEATHERFORD	OK	73096	5807743340	Permit
SCOTT ROWLAND	E. FRONTAGE RD.	WEATHERFORD	OK	73096	5807743391	Permit
NORBERT E HOFFMAN					5807743586	Permit
PAUL F NAROG					6127785380	Permit
NORBERT HOFFMAN					5807743586, 3586	Permit
DAVID MURRAY					5807743445	Permit
DAVID MURRAY	E. FRONTAGE RD	WEATHERFORD	OK	73096	5807743445	Permit
DAVID MURRAY	E. FRONTAGE RD.	WEATHERFORD	OK	73096	5807743445	Permit
NORBERT E. HOFFMAN					5807743586	Permit
LINDA DANIELS	IMATION WAY	OAKDALE	MN	551283414	6517045719	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION

325992	PHOTOGRAPHIC FILM, PAPER, PLATE, AND CHEMICAL MANUFACTURING
334613	MAGNETIC AND OPTICAL RECORDING MEDIA MANUFACTURING

HANDLER NAME: JAMESON CHEV & OLDS **HANDLER ID:** OKD982757783
STREET: E MAIN **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.526007 **LONGITUDE:** -98.707554

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
RANDY LEONARD	PO BOX 231	WEATHERFORD	OK	73096	4057723351	Public
RANDY LEONARD	PO BOX 231	WEATHERFORD	OK	73096	4057723351	Permit
CONTACT ENVIRONMENTAL	PO BOX 231	WEATHERFORD	OK	73096	5807728351	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
44111	NEW CAR DEALERS

HANDLER NAME: M & B OILFIELD SVCS **HANDLER ID:** OKD987079902
STREET: AIRPORT RD **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.54055 **LONGITUDE:** -98.658821

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
AUTHER WILSON	PO BOX 965156	WEATHERFORD	TX	73096	5807725015	Public
AUTHER WILSON	PO BOX 965156	WEATHERFORD	TX	73096	5807725015	Permit

HANDLER NAME: M-I DRILLING FLUIDS CO-WEATHERFORD **HANDLER ID:** OKT410010706
STREET: S CUSTER **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.523145 **LONGITUDE:** -98.707903

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
ARTHUR-J LEUTERMAN	P.O. BOX 42842	HOUSTON	TX	77242	7139725765	Public
ARTHUR-J LEUTERMAN	P.O. BOX 42842	HOUSTON	TX	77242	7139725765	Permit

HANDLER NAME:MIKES BO/SH IN**HANDLER ID:** OKD987069135
STREET: S ACCESS RD **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE **LONGITUDE**

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
MIKE MERLE	PO BOX 977	WEATHERFORD	OK	73096	5807741005	Public
MIKE MERLE	PO BOX 977	WEATHERFORD	OK	73096	5807741005	Permit

HANDLER NAME:NL PETROLEUM SVC IN**HANDLER ID:** OKD410010532
STREET: S STATE **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.524408 **LONGITUDE** -98.706324

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
C HARRIS	BOX 485	WEATHERFORD	OK	73096	5802251691	Public
C HARRIS	BOX 485	WEATHERFORD	OK	73096	5802251691	Permit

HANDLER NAME:OKLA ARMY NATL GUARD OMS 8A**HANDLER ID:** OKD982561037
STREET: E EADS I-40 SVC RD **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE **LONGITUDE**

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
STEVEN MEEK	RT 3 BOX 63A	WEATHERFORD	OK	73096	5807742772	Public
STEVEN MEEK	RT 3 BOX 63A	WEATHERFORD	OK	73096	5807742772	Permit
ARDEN DYKENS	RT 3 BOX 63A	WEATHERFORD	OK	73096	5807727819	Permit

HANDLER NAME:SHERWIN-WILLIAMS STORE #7373**HANDLER ID:** OKR000016659
STREET: E MAIN STREET **FACILITY INFORMATION:**[View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)

EPA REGION: 6
LATITUDE 35.532473 **LONGITUDE** -98.683899

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
ROBERT HOLCOMB	1799 E MAIN STREET	WEATHERFORD	OK	73096	5807742941	Public
ROBERT HOLCOMB	1799 E MAIN STREET	WEATHERFORD	OK	73096	5807742941	Permit

HANDLER NAME: SOUTHWESTERN OKLA STATE UNIV **HANDLER ID:** OKR000023382
STREET: CAMPUS DR **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.53482 **LONGITUDE** -98.70769

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
WILLIAM KELLY	CAMPUS DR	WEATHERFORD	OK	73096	5807743202	Public
WILLIAM KELLY	CAMPUS DR	WEATHERFORD	OK	73096	5807743202	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
61131	COLLEGES, UNIVERSITIES, AND PROFESSIONAL SCHOOLS

HANDLER NAME: SW TIRE & ACCESS **HANDLER ID:** OKD982558660
STREET: E MAIN **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.526006 **LONGITUDE** -98.700812

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
ELWIN NABORS	624 E MAIN	WEATHERFORD	OK	73096	5807723132	Public
ELWIN NABORS	624 E MAIN	WEATHERFORD	OK	73096	5807723132	Permit

HANDLER NAME: WAL-MART SUPERCENTER # 392 **HANDLER ID:** OKR000025585
STREET: E EAGLE AVE **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE 35.522435 **LONGITUDE** -98.690973

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
CHRIS STEWART	PO BOX 8041	BENTONVILLE	AR	727128041	4792040402	Public
TERESA PRUITT	PO BOX 8041	BENTONVILLE	AR	727128041	4792042231	Permit
CHRIS STEWART	PO BOX 8041	BENTONVILLE	AR	727128041	4792040402	Permit
TERESA PRUITT	SE 8TH ST	BENTONVILLE	AR	727160605	4792042231	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
45291	WAREHOUSE CLUBS AND SUPERCENTERS

HANDLER NAME: WRIGHT CHEVROLET **HANDLER ID:** OKD987069788
STREET: E MAIN **FACILITY INFORMATION:** [View Facility Information](#)
CITY: WEATHERFORD **CORPORATE LINK:** No
STATE: OK **COUNTY:** CUSTER
ZIP CODE: 73096 **MAPPING INFO:** [MAP](#)
EPA REGION: 6
LATITUDE: 35.53691 **LONGITUDE:** -98.65146

CONTACT INFORMATION

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
DEREK WILLIAMSON	PO BOX 231	WEATHERFORD	OK	73096	5807723351	Public
RANDALL LEONARD	PO BOX 231	WEATHERFORD	OK	73096	5807722858	Permit
DEREK WILLIAMSON	PO BOX 231	WEATHERFORD	OK	73096	5807723351	Permit

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
44111	NEW CAR DEALERS

[Go To Top Of The Page](#)

Total Number of Facilities Displayed: 23

List loaded on 11/7/2013

State of: **OKLAHOMA**

EPA-ID	FACILITY NAME	LOCATION ADDRESS	CITY	ZIP	COUNTY/ PARISH	S T L	G R A	O O A	R E C E I V E D
						N	N	F	D A T E
						TSDF	W	R	
							P	D	
OKD410010532	NL PETROLEUM SVC INC	315 S STATE	WEATHERFORD	73096	CUSTER	6		F	12/04/80
Contact: C HARRIS		Mailing Addr: BOX 485, WEATHERFORD, OK 73096							
OKD982561037	OKLA ARMY NATL GUARD OMS 8A	803 E EADS I-40 SVC RD	WEATHERFORD	73096	CUSTER	3		F	10/31/04
Contact: STEVEN MEEK		Mailing Addr: Rt 3 BOX 63A, WEATHERFORD, OK 73096							
OKR000016659	SHERWIN-WILLIAMS STORE #7373	1799 E MAIN STREET	WEATHERFORD	73096	CUSTER	7		P	06/27/01
Contact: ROBERT HOLCOMB		Mailing Addr: 1799 E MAIN STREET, WEATHERFORD, OK 73096							
OKR000023382	SOUTHWESTERN OKLA STATE UNIV	100 CAMPUS DR	WEATHERFORD	73096	CUSTER	3		S S S	03/11/08
Contact: WILLIAM KELLY		Mailing Addr: 100 CAMPUS DR, WEATHERFORD, OK 73096							
OKD982558660	SW TIRE & ACCESS	624 E MAIN	WEATHERFORD	73096	CUSTER	7		P	09/29/88
Contact: EIMIN NABORS		Mailing Addr: 624 E MAIN, WEATHERFORD, OK 73096							
OKR000025585	WAL-MART SUPERCENTER # 392	1349 E EAGLE AVE	WEATHERFORD	73096	CUSTER	2		P P P	11/10/10
Contact: CHRIS STEWART		Mailing Addr: PO BOX 8041, BENTONVILLE, AR 72712							
OKD987069788	WRIGHT CHEVROLET	4901 E MAIN	WEATHERFORD	73096	CUSTER	3		P P P	10/27/03
Contact: DEREK WILLIAMSON		Mailing Addr: PO BOX 231, WEATHERFORD, OK 73096							
OKR000018622	EXPLORER PIPELINE CO-VINITA PU	1 HI E ON CO. RD 260 OF	AFTON	74331	DELAWARE	2		P P P	01/11/12
Contact: CHAD ROGERDORFF		Mailing Addr: PO BOX 909, GLENPOOL, OK 74033							
OKD981908213	BAKERS AUTO BODY	HWY 10 1MI E OF JUNCT 10	GROVE	74344	DELAWARE	3		P	03/31/87
Contact: LOWELL BAKER		Mailing Addr: P.O. BOX 1991, GROVE, OK 74344							
OKD981909666	FORMER WAL-MART HWY 59/GROVE	HWY 59 S .25MI S OF 13TH	GROVE	74344	DELAWARE	7		P O	04/03/02
Contact: TED YOKUM		Mailing Addr: 702 SW 8TH ST., BENTONVILLE, AR 72712							
OKD045118221	GLASSMASTER PLATICS CO	2M EAST	GROVE	74344	DELAWARE	6		P	08/15/80
Contact: SAM-T-JR CARTER		Mailing Addr: PO BOX 939, GROVE, OK 74344							
OKR000080457	GROVE DRY CLEANING PLANT	11 W 4TH	GROVE	74344	DELAWARE	6		P	02/20/09
Contact: TIM MCPHERTRIDGE		Mailing Addr: 481 S HWY 169, OOLAGAH, OK 74053							
OKD981915135	HONEY CREEK BODY SHOP	HWY 10 1.5 M E OF CITY	GROVE	74344	DELAWARE	7		P P P	07/08/03
Contact: JON TROPPMAN		Mailing Addr: Rt 4 BOX 40, GROVE, OK 74344							
OKD115106346	JEFF LUNGREN CHEVY-OLDS-GEO-IN	HWY 10 E 5N E JCT 10 &	GROVE	74344	DELAWARE	3		P	07/09/91
Contact: JOHN AUSTIN		Mailing Addr: PO BOX 176, GROVE, OK 74344							
OKD981909179	NATURAL LIGHT INC THE	302 E 11TH STREET	GROVE	74344	DELAWARE	7		P	04/13/87
Contact: HARVEY HOLLINGSWORTH		Mailing Addr: P.O. BOX 669, GROVE, OK 74344							
OKD987073533	PRECISION PAINT & BODY	HWY 10 E .6M E	GROVE	74344	DELAWARE	3		P	09/05/90
Contact: TOM OWENS		Mailing Addr: PO BOX 1035, GROVE, OK 74344							
OKD982560104	PRIDE PLATING	2900 EAST HWY 10	GROVE	74344	DELAWARE	1		P P P	01/06/12
Contact: ERIC PEARSON		Mailing Addr: 2900 EAST HWY 10, GROVE, OK 74344							

4.6 Federal ERNS List

NRC Home

QUERY RESULTS

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View	Report	Materials Page	NRC Report #	Type of Call	Date/Time Received	Description Of Incident	Type Of Incident	Incident Cause	Incident Date/Time	Location	State	Nearest City	County	Suspected Res
View	Materials		12495	INCIDENT	14-MAR-1990 18:49	COPPER PLATING FROM TRANSFORMER / BURNING COPPER OFF OF "Y" HIGHWAY. POLICE DEPT HAS BEEN CONTACTED EARLIER	PIPELINE	EQUIPMENT FAILURE	14-MAR-1990 14:30	COUNTY ROAD 16 EXACT LOCATION UNKNOWN RURAL AREA-ROADS PARALLEL	OK	WEATHERFORD	CUSTER	
View	Materials		12619	INCIDENT	15-MAR-1990 13:00	6" PIPELINE / INTERNAL CORROSION	PIPELINE	EQUIPMENT FAILURE	14-MAR-1990 23:00	PUMP STATION 38 WESTWOOD	OK	WEATHERFORD	CUSTER	MID CONTINE
View	Materials		18519	INCIDENT	23-APR-1990 10:58	LEAKING SEAL IN A PUMP / SEAL FAILED	FIXED	EQUIPMENT FAILURE	23-APR-1990 08:15	SERVICE ROAD/SOUTH I-40	OK	WEATHERFORD	CUSTER	3M COMPANY
View	Materials		18743	INCIDENT	24-APR-1990 10:10	PUMP / SEAL FAILURE	FIXED	EQUIPMENT FAILURE	24-APR-1990 06:30	SERVICE RD S, I40	OK	WEATHERFORD	CUSTER	3M COMPANY
View	Materials		60944	INCIDENT	24-FEB-1991 10:48	TANK TRUCK/ VALVE OPENED IMPROPERLY	MOBILE	OPERATOR ERROR	24-FEB-1991 07:00	SERVICE RD. S. I40	OK	WEATHERFORD	CUSTER	3M COMPANY
View	Materials		92839	INCIDENT	18-OCT-1991 17:36	** CONTINUOUS RELEASE TYPE - INITIAL	CONTINUOUS	UNKNOWN	18-OCT-1991 17:36	SERVICE RD SOUTH I40	OK	WEATHERFORD	CUSTER	3-M CO
View	Materials		106027	INCIDENT	08-FEB-1992 04:03	OVERFLOW OF A DRUM LOADING STATION/FAULTY VALVE	FIXED	EQUIPMENT FAILURE	08-FEB-1992 01:00	SERVICE RD I40	OK	WEATHERFORD	CUSTER	3M
View	Materials		146722	INCIDENT	27-NOV-1992 10:21	CHILLED WATER SYSTEM/VALVE WAS LEFT OPEN AFTER MAINTENANCE WAS PERFORMED	FIXED	OPERATOR ERROR	27-NOV-1992 06:00	SERVICE RD SOUTH AND I40	OK	WEATHERFORD	CUSTER	3-M
View	Materials		151586	INCIDENT	04-JAN-1993 14:54	STORAGE TANK/PUMP FAILURE	FIXED	EQUIPMENT FAILURE	02-JAN-1993 16:30	SERVICE RD SOUTH I40	OK	WEATHERFORD	CUSTER	3M
View	Materials		192665	INCIDENT	16-AUG-1993 12:05	3" CHILLED WATER LINE/LEAKED DUE A GASKET FAILURE	PIPELINE	EQUIPMENT FAILURE	15-AUG-1993 22:30	I40 SOUTH	OK	WEATHERFORD	CUSTER	3M
View	Materials		247507	INCIDENT	05-JUL-1994 00:15	COOLING LINE ON AN AIR COMPRESSOR RUPTURED/ UNKNOWN CAUSE	FIXED	EQUIPMENT FAILURE	04-JUL-1994 07:00	SVC ROAD SOUTH AND I40	OK	WEATHERFORD	CUSTER	3-M
View	Materials		546009	INCIDENT	23-OCT-2000 12:14	THE CALLER STATED THAT A STORAGE TANK TURNED OVER, DUE TO IMPROPERLY BEING SET UPRIGHT SPILLING MATERIAL.	STORAGE TANK	UNKNOWN	22-OCT-2000 14:30	MOSSBURG 128 LEASE	OK	WEATHERFORD	CUSTER	APACHE EXPL
View	Materials		751348	INCIDENT	28-FEB-2005 21:37	THE CALLER IS REPORTING A STRUCTURE EXPLOSION; NATURAL GAS CANNOT BE RULED OUT AS THE CAUSE AT THIS TIME. THE CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION ON THE INCIDENT AT	PIPELINE	UNKNOWN	28-FEB-2005 20:00	1125 WILSON RD	OK	WEATHERFORD	CUSTER	

View	Refresh	824431	INCIDENT	23-JAN-2007 13:30	THIS TIME, THE CALLER STATED THAT A RELIEF VALVE LIFTED AND BLEW NATURAL GAS CONDENSATE OVER A FIELD ABOUT 400 BY 700 YARDS. THERE IS A SMALL SHEEN SPOTTED IN THE TRIBUTARY TO DEER CREEK NEARBY. THE CAUSE OF THE VALVE LIFTING IS UNKNOWN AND UNDER INVESTIGATION. BOOMS HAVE BEEN PLACED IN THE CREEK AND EMERGENCY RESPONSE IS EN ROUTE.	PIPELINE	UNKNOWN	23-JAN-2007 10:30	KIRKLAND TIE (METER STATION)	OK	WEATHERFORD CUSTER ENOGEX INC.
View	Refresh	824431	INCIDENT	23-JAN-2007 13:30	THE CALLER STATED THAT A RELIEF VALVE LIFTED AND BLEW NATURAL GAS CONDENSATE OVER A FIELD ABOUT 400 BY 700 YARDS. THERE IS A SMALL SHEEN SPOTTED IN THE TRIBUTARY TO DEER CREEK NEARBY. THE CAUSE OF THE VALVE LIFTING IS UNKNOWN AND UNDER INVESTIGATION. BOOMS HAVE BEEN PLACED IN THE CREEK AND EMERGENCY RESPONSE IS EN ROUTE.	PIPELINE	UNKNOWN	23-JAN-2007 10:30	KIRKLAND TIE (METER STATION)	OK	WEATHERFORD CUSTER ENOGEX INC.
View	Refresh	1008198	INCIDENT	09-APR-2012 20:03	A THIRD-PARTY CONTRACTOR CUT A 2" NATURAL GAS LINE WITH A TRENCHER. AN HOUR TO AN HOUR AND A HALF LATER, THE NATURAL GAS RELEASING FROM THE LINE IGNITED. THE TRENCHER WAS ENGULFED IN. THE FIRE AND IS MOST LIKELY COMPLETELY DESTROYED.	PIPELINE	OPERATOR ERROR	09-APR-2012 15:15	OLD HWY 66 EAST OF AIRPORT ROAD	OK	WEATHERFORD CUSTER CENTERPOIN
View	Refresh	1014366	INCIDENT	12-JUN-2012 18:04	A TANKER TRUCK ROLLED WHEN THE DRIVER OVERCORRECTED THE TRUCK'S DIRECTION. CONDENSATE IS LEAKING FROM THE TANK.	MOBILE	OPERATOR ERROR	12-JUN-2012 16:15	I-40 EXIT 80	OK	WEATHERFORD CUSTER ENBRIDGE LI TRANSPORT/ MARKET

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[CREATE NEW QUERY](#)

Appendix I: DEQ Sampling Results and Reports from GMR and Associates

DEQ Sample Results

Sample Number: 528598
Project Code: LP-ARM
Agency Number:
Date Collected: 4/23/2013
Time Collected: 1410
Date Received: 4/23/2013
Date Completed: 05/16/2013
Collected By: BDS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 5/16/2013

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: LAND PROTECTION DIVISION
Hal Cantwell

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		2540	MG/KG	05/07/13	6020	
Lead (TCLP)		150000	UG/L	05/15/13	6010	
% Solids		99.8	%	05/09/13	CLP 05.3	

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: WEATHERFORD ARMORY

SAMPLERS COMMENTS:

SAND TRAP; ST-1

ANALYST'S COMMENTS:

Greg Goode

*

* ANALYST

Greg Goode
State Environmental Laboratory

Sample Number: 528596
 Project Code: LP-ARM
 Agency Number:
 Date Collected: 4/23/2013
 Time Collected: 1330
 Date Received: 4/23/2013
 Date Completed: 05/09/2013
 Collected By: BDS
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 5/9/2013

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
 707 N. ROBINSON
 OKLAHOMA CITY
 OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov
Report of Analysis by Metals
 EPA Drinking Water Certification #OK00013

To: LAND PROTECTION DIVISION
 Hal Cantwell

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		39.5	MG/KG	05/07/13	6020	3050
% Solids		86.6	%	05/09/13	CLP 05.3	3050

Summary

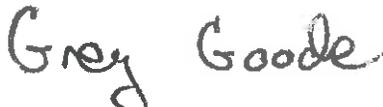
Labs performing analysis on this Sample:

Metals

SOURCE: WEATHERFORD ARMORY

SAMPLERS COMMENTS:
 OUTSIDE VENT FAN;VF-1

ANALYST'S COMMENTS:


 Greg Goode
 State Environmental Laboratory

* ANALYST _____

Sample Number: 528597
 Project Code: LP-ARM
 Agency Number:
 Date Collected: 4/23/2013
 Time Collected: 1330
 Date Received: 4/23/2013
 Date Completed: 05/09/2013
 Collected By: BDS
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 5/9/2013

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
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OKLAHOMA, 73102-6010
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Report of Analysis by Metals
 EPA Drinking Water Certification #OK00013

To: LAND PROTECTION DIVISION
Hal Cantwell

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Lead, Sediment		46.3	MG/KG	05/07/13	6020	3050
% Solids		87.2	%	05/09/13	CLP 05.3	3050

Summary

Labs performing analysis on this Sample:

Metals

SOURCE: WEATHERFORD ARMORY

SAMPLERS COMMENTS:

VENT FAN; VF-1D

ANALYST`S COMMENTS:

Greg Goode

Greg Goode
State Environmental Laboratory

* ANALYST _____

Asbestos Survey



Engineering and Environmental Consultants

August 24, 2013

Mr. Greg Horner
Oklahoma Department of Labor

**RE: Re-inspection of Interior Window Caulking
Weatherford Armory, 223 West Rainey Avenue, Weatherford, Oklahoma**

Dear Mr. Horner:

During recent lead abatement activities at the above referenced armory, a question was posed by the abatement contractor, Joe Stevenson (ASI), whether the caulking on the interior of the windows at the armory was friable. As you may recall, during the March 2012 inspection by GMR & Associates, Inc. (GMR) and subsequent report issued to the Oklahoma Department of Environmental Quality (DEQ), GMR concluded:

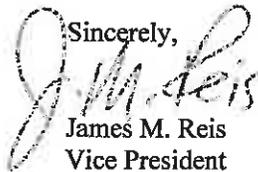
“Laboratory results indicate the window caulking on the interior of the windows in the Motor Pool (high-bay) area of the building **contains friable asbestos.**”

On October 23, 2013, Mr. Arless Murray, a licensed Asbestos Manager Planner, re-visited the referenced site to re-examine the caulk. Mr. Murray determined during the re-examination that the caulk should be considered non-friable and be classified as a Category II material under NESHAPS. The caulk ranged from very soft to hard, but it could not be reduced to powder under hand pressure. Since the material is non-friable, it should not be a regulated material under the auspices of DOL.

The work procedures shown below should be followed to assure that the material does not become friable during removal activities:

1. All caulk is to be wetted and removal is to be performed by hand without the use of any power tools;
2. It is recommended that workers removing the caulk use PAPR respirators;
3. The work area should involve no more than three windows at a time;
4. The interior work area should be covered with 6-mil poly and 6-mil ply be placed on the floor beneath the windows to catch the caulk being removed;
5. After the removal of caulk from the windows lockdown should be applied to all window areas where caulk was removed or where caulk was previously present;
6. After the removal of the caulk in each work area all debris is to be removed from that work area using a HEPA vacuum; and
7. All debris and poly should be bagged and disposed according to applicable regulations.

Please feel free to contact our office if you have any questions concerning or above comments. You may also feel free to contact Mr. Arless Murray at 405-401-2833 or by email at semec@coxinet.net. A copy of Mr. Murray's license is attached.

Sincerely,

James M. Reis
Vice President

Attachment – DOL License, A.E. Murray

Corporate Headquarters
2520 West I-44 Service Road, Suite 200
Oklahoma City, OK 73112
Telephone: 405-528-7017
Fax: 405-528-3346

Oklahoma Department of Labor



FEE: \$0.00

Ariess Murray Jr.

has filed in the office of the Commissioner of Labor of the State of Oklahoma an application for a Limited Asbestos Contractor's license for

AHERA PROJECT DESIGNER

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of the power vested in him by law hereby issues to the applicant license No. OK-PDI-40097.

Mark Costello

MARK COSTELLO
Commissioner of Labor

June 03, 2013

Date of Issuance

EXPIRES: May 31, 2014

QUANTITATIVE FACILITY ASBESTOS SURVEY

NATIONAL GUARD ARMORY
223 WEST RAINEY AVENUE
WEATHERFORD, OKLAHOMA 73096

GMR Project Number 2012017
March 22, 2012

Oklahoma Department of Environmental Quality
Land Protection Division
P. O. Box 1677
Oklahoma City, OK 73101-1677
Attention: Mr. Dustin Davidson

RECEIVED
MAR 27 2012
LAND PROTECTION DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

GMR & Associates, Inc.
ENGINEERS, PLANNERS, ENVIRONMENTAL SPECIALISTS, HYDROGEOLOGISTS
2520 West I-44 Service Road, Suite 200
P.O. Box 57827
Oklahoma City, OK 73157-7827
Telephone: 405-528-7017
Fax: 405-528-3346

Prepared by:

William Harris

William Harris
ODOL AHERA Inspector License OK150053

Reviewed by:

James M. Reis

James M. Reis
Vice President
Project Manager

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Appendix B	Inspector and Management Planner Licenses
Appendix C	Site Layout with Sample and Asbestos Locations
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**QUANTITATIVE FACILITY ASBESTOS SURVEY
WEATHERFORD NATIONAL GUARD ARMORY
223 WEST RAINEY AVENUE
WEATHERFORD, OKLAHOMA**

1.0 EXECUTIVE SUMMARY

In March, 2012 GMR & Associates, Inc. (GMR) performed a survey for asbestos containing materials (ACM) in the National Guard Armory at 223 West Rainey Avenue in Weatherford, Oklahoma.

The objective of the survey was to assess the presence and quantities of (ACM). Bulk samples of suspect (ACM) were collected during the survey and submitted for laboratory analysis for asbestos content. During the survey, a total of 13 samples were collected from 11 different homogeneous areas.

Laboratory results indicate the window caulking on the interior of the windows in the Motor Pool (high-bay) area of the building **contains friable asbestos.**

2.0 INTRODUCTION

On March 13, 2012, GMR & Associates, Inc. (GMR) performed a survey for asbestos containing materials (ACM) in the National Guard Armory at 223 West Rainey Avenue in Weatherford, Oklahoma.

The objective of the survey was to assess the presence and quantities of asbestos containing building materials (ACM). Bulk samples of suspect (ACM) were collected during the survey and submitted for laboratory analysis for asbestos content.

3.0 BUILDING DESCRIPTION

Main Building

Constructed in 1938, the Weatherford Armory building has a total area of 16,014 square feet and is comprised of one floor. The north half of the building serves as a motor pool with offices in the south half of the building. A firing range is located below ground level on the east side of the motor pool.

4.0 FINDING SUMMARY OF ASBESTOS CONTAINING MATERIALS

Laboratory results indicate the interior window caulking on the north, east and west sides of the building **contains friable asbestos.** The sample (09A) contained 2% chrysotile asbestos.

When a sample is tested positive for the presence of asbestos, and the percentage is 10% or lower, a point counting method is recommended for that sample. If the results derived from point count differ from the original results, it overrides it.

Point count analysis for sample 09A was 1.75% chrysotile. The window caulking in the Motor Pool and rooms on the east side of building was in poor condition (See Appendix D, Photo 1). The asbestos sampling locations are shown in Appendix C, Figures 1-3.

Table 1
Summary of Asbestos Containing Building Materials

Material Category	Description	Quantities	General Location
Category 1 Friable	Window Caulking	790 SF Total Window Area	(Interior of Windows on the North, East and West Sides of Building)

Table 2
Bulk Samples and Analytical Results

Sample ID	Description	Approx. Amount	Asbestos Type & Percent
WA-01A	12 Inch x 12 Inch White Floor Tile (Hallways)	N/A	None Detected
WA-02A	Mastic on 12 Inch x 12 Inch White Floor Tile (Hallways)	N/A	None Detected
WA-03A	12 Inch x 12 Inch Brown Floor Tile (Rooms 13 & 16)	N/A	None Detected
WA-04A	Mastic on 12 Inch x 12 Inch Brown (Rooms 13 & 16)	N/A	None Detected
WA-05A	9 Inch x 9 Inch Black Floor Tile (Room 21)	N/A	None Detected
WA-06A	Mastic on 9 Inch x 9 Inch Black Floor Tile (Room 21)	N/A	None Detected
WA-07A	Sheetrock Wall Panels (Throughout Office Area)	N/A	None Detected
WA-08A	Texturing on Sheetrock Walls (Rooms 9 & 10)	N/A	None Detected
WA-08B	Texturing on Sheetrock Walls (Rooms 9 & 10)	N/A	None Detected
WA-08C	Texturing on Sheetrock Walls (Rooms 9 & 10)	N/A	None Detected
WA-09A	Interior Window Caulking on the North, East and West Sides of Building)	790 SF (Total Window Area)	2% Chrysotile
WA-09A	Interior Window Caulking on the North, East and West Sides of Building)	N/A	1.75% Chrysotile -Point Count Method
WA-10A	2 x 4 Ceiling Tile (Rooms 4, 7, 16, 18 & 21)	N/A	None Detected
WA-11A	2 x 4 Ceiling Tile (Room 16)	N/A	None Detected
WA-12A	Due to Unsafe Conditions for Scissor-Lift Access, No Roof Sample Was Taken		

SF = Square Feet; LF = Lineal Feet; EA = Each

5.0 SAMPLING PROCEDURES

5.1 SURVEY PROCEDURES

The asbestos survey involved visual Inspection and Sampling, Laboratory Analysis, and Quantity Assessment.

During the physical survey, sample collection data sheets were completed using the unique identification numbers previously described as a reference for the entry of more detailed

information regarding the item being sampled. The individual sample numbers were recorded along with the item description, location within the area and condition of the material being sampled. As each sample was collected, it was deposited in a sealable plastic bag or screw-top plastic collection container. The container was then marked with the sample identifier and recorded on the data sheet. All Inspectors are licensed as an AHERA Inspector by the State of Oklahoma. The completed survey forms and samples for each area were then taken to Quantem Laboratory, an accredited laboratory in Oklahoma City and the survey data was entered into a computer system for processing.

5.2 ANALYTICAL PROCEDURES

Bulk samples collected by GMR were analyzed by Quantem Laboratory in Oklahoma City, Oklahoma. Bulk samples were analyzed by Polarized Light Microscopy (PLM). All samples that were submitted were analyzed. Quantem laboratory is accredited through the American Industrial Hygiene Association (AIHA) or National Voluntary Laboratory Accreditation Program (NVLAP).

6.0 RECOMMENDATIONS

Prepare Project Design for abatement or, at a minimum, clean-up and dispose the asbestos window caulking.

6.1 RECOMMENDED ACTIONS FOR PLANNED RENOVATIONS

Prepare specifications and Project Design for abatement of friable asbestos material and specifications for abatement of non-friable materials that would be disturbed during renovation activities.

6.2 RECOMMENDED ACTIONS FOR PLANNED DEMOLITION

Prepare specifications and Project Design for abatement of all friable asbestos materials. Non-friable material may be left in place and disposed of as demolition debris.

6.3 RECOMMENDED ACTIONS FOR ASBESTOS LEFT IN-PLACE

Prepare and implement an Operations and Management (O&M) Plan to manage the asbestos in place. The O&M plan shall meet the requirements established in the Oklahoma Control Act, page 26, 380:50-14-1.

7.0 BUDGETARY ABATEMENT COST ESTIMATE

Window Caulking: **\$5,000.00-\$7,500.00**

Appendix A

Laboratory Results and Chain of Custody Field Sheets



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 205395	Client: GMR & Associates, Inc.
Account Number: B216	PO Box 57827
Date Received: 03/13/2012	Oklahoma City, OK 73157
Received By: Sherrie Leftwich	
Date Analyzed: 03/17/2012	Project: Weatherford Armory
Analyzed By: Gayle Ooten	Project Location: N/A
Methodology: EPA/600/R-93/116	Project Number: 2012017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	WA-01A	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
002	WA-02A	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
003	WA-03A	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
004	WA-04A	Homogeneous	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
005	WA-05A	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
006	WA-06A	Homogeneous	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
007	WA-07A	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 205395
 Account Number: B216

Client: GMR & Associates, Inc.
 PO Box 57827
 Oklahoma City, OK 73157

Date Received: 03/13/2012
 Received By: Sherrie Leftwich
 Date Analyzed: 03/17/2012
 Analyzed By: Gayle Ooten
 Methodology: EPA/600/R-93/116

Project: Weatherford Armory
 Project Location: N/A
 Project Number: 2012017

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	WA-08A	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009	WA-08B	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010	WA-08C	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011	WA-09A	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
012	WA-10A	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
013	WA-11A	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
014	WA-12A	**	** **	**	Not Analyzed	

No Sample Received

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 205630

Account Number: B216

Date Received: 03/20/2012

Received By: Sherrie Leftwich

Date Analyzed: 03/20/2012

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: GMR & Associates, Inc.

PO Box 57827

Oklahoma City, OK 73157

Project: Weatherford Armory

Project Location: PT CT for 205395

Project Number: 2012017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	WA-09A	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 1.75 400 Point Count	NA	CaCO3 Binder

Gayle Ooten, Analyst

3/20/2012

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



Asbestos Chain-of-Custody
 2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1800 (405) 755-7272 Fax (405) 755-2088
 www.quantumlab.com

This Box for Lab Use Only
 Lab No. 205395
 Accepted
 Project

Company Name: GMR & ASSOCIATES, INC. Acct. # B Project Name: Weatherford Army
 Project Location: Project Number: 2012017

Sample Number	To Be Analyzed	Color / Description	Volume / Area (if applicable)	Comments
1		1x1 WR FT		685
2		mortar on CIA		49,10
3		1x1 Brown FT		900SP
4		mortar on O2A		1316
5		9x9 Bld FT		530
6		mortar O5A		Rm A1
7		Shutrock wall		Rm 910
8		Texture on shutrock		7' (17605)
9		11" 11" 11"		405F
10		11" 11" 11"		mater pool 20.
11		membrane - rough		13x4284 265,719 480
12		2x4 CT		40
13		3x2 CT		
14		Roofing material		

LEGAL DOCUMENT
 Please Print Legibly

PLEA
 Bulk Analysis (see accompanying)
 400 Point Count
 1000 Point Count
 Genesitic Interpretation Fee
 Other

PCM
 NIOSH 7482
 Other

TEM
 AP - AHERA
 AP - NIOSH 7482
 Bulk - Qualitative [Y/N] - EPA 8000-UB116
 Bulk - Quantitative [Weight] - Chadfield
 Dust - Qualitative [Y/N] - []
 Dust - Qualitative [Substrate] - ASTM D5755
 Dyeing Water - EPA 100.4
 Waste Water - EPA 8004-G3-043
 Other

TURNAROUND TIME
 Rush
 Same Day
 24 Hour
 3-Day
 5-Day

CONTACT INFORMATION
 Name: _____
 Phone: _____
 Report Results Via (CHOOSE ONE):
 FAX
 QUANTUM WAREHOUSE
 E-Mail: _____

Prepared By: Sally Nance Date: 03/18/12 No. of Samples: 1530 Collected By: Skytica 3/13/12 8:30
 Submitted By: _____
 * No sample received - GMR
 Saturday FedEx Shipping - CALL TO SCHEDULE
 Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517

Appendix B
Certifications

Oklahoma Department of Labor



FEE: \$25.00

Bill Harris

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA INSPECTOR

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in him by law hereby issues to the
applicant license No. **OK150035**.

Mark Costello

MARK COSTELLO
Commissioner of Labor

May 06, 2011

Date of Issuance

EXPIRES: May 04, 2012

Oklahoma Department of Labor



FEE: \$25.00

Howard Burch

has filed in the office of the Commissioner of Labor of the State of Oklahoma an application for a Limited Asbestos Contractor's license for

AHERA INSPECTOR

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of the power vested in him by law hereby issues to the applicant license No. OK159522.

Mark Costello

MARK COSTELLO
Commissioner of Labor

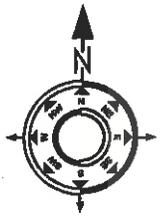
June 01, 2011

Date of Issuance

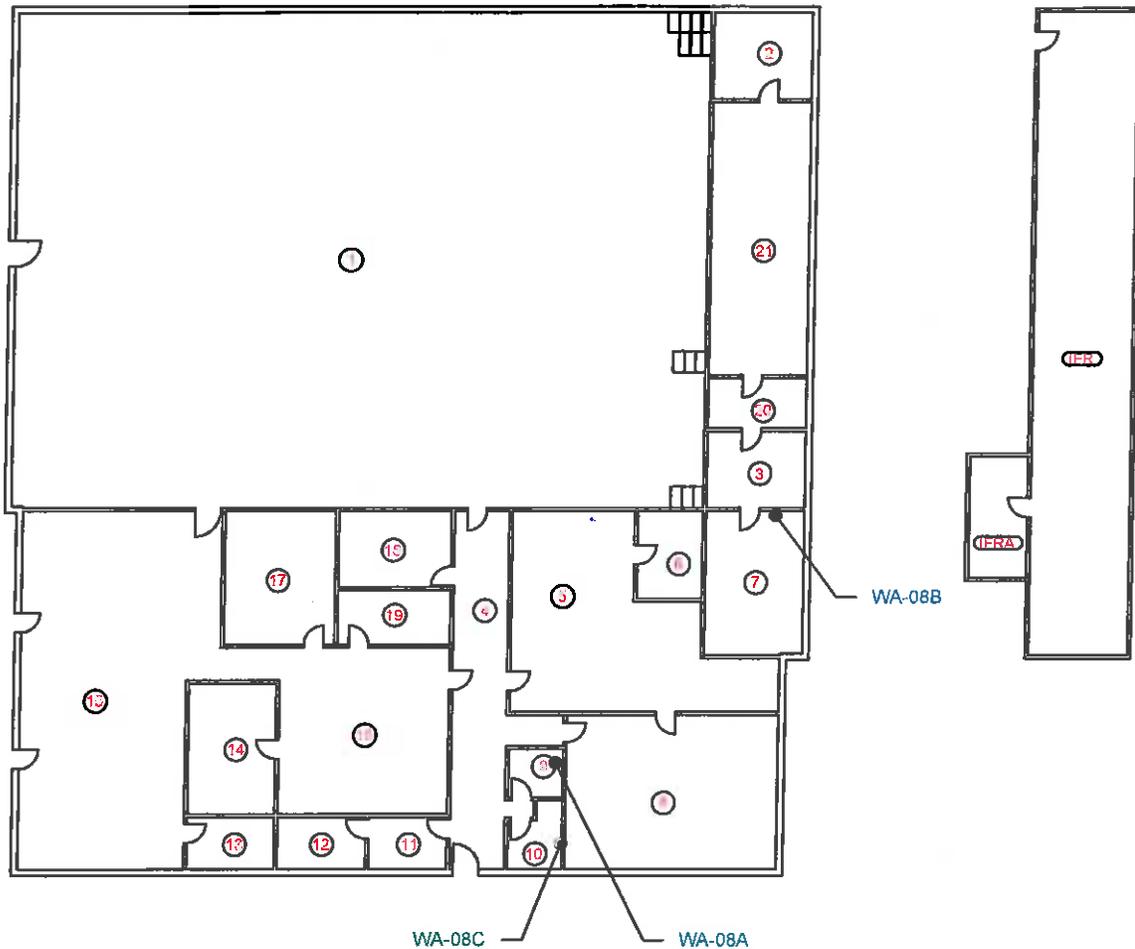
EXPIRES: June 01, 2012

Appendix C

Site Layout with Sample and Asbestos Locations



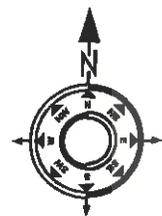
NOT TO SCALE



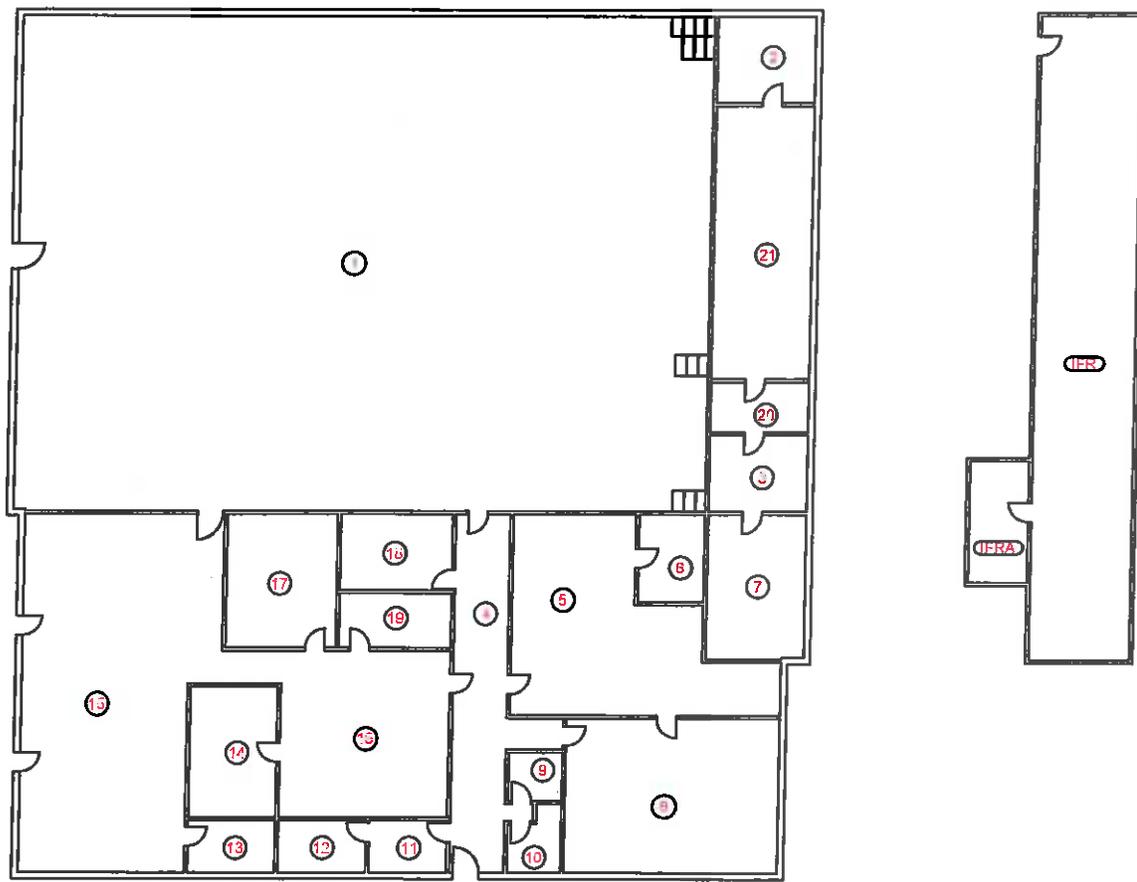
 DENOTES ROOM NUMBERS DEVELOPED FOR SURVEY
 SAMPLES CONTAINING ASBESTOS
 SAMPLES NOT CONTAINING ASBESTOS

GMR
& Associates, Inc.
2520 West I-44 Service Road, Ste. 200
P.O. Box 57827
Oklahoma City, OK 73157-7827
Phone: 405/528-7017, Fax: 405/528-3346

Figure 1
Asbestos Surface Sampling Locations
Weatherford Armory
223 W. Rainey Avenue
Weatherford, Oklahoma 73096



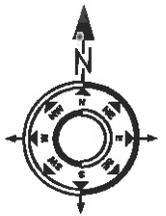
NOT TO SCALE



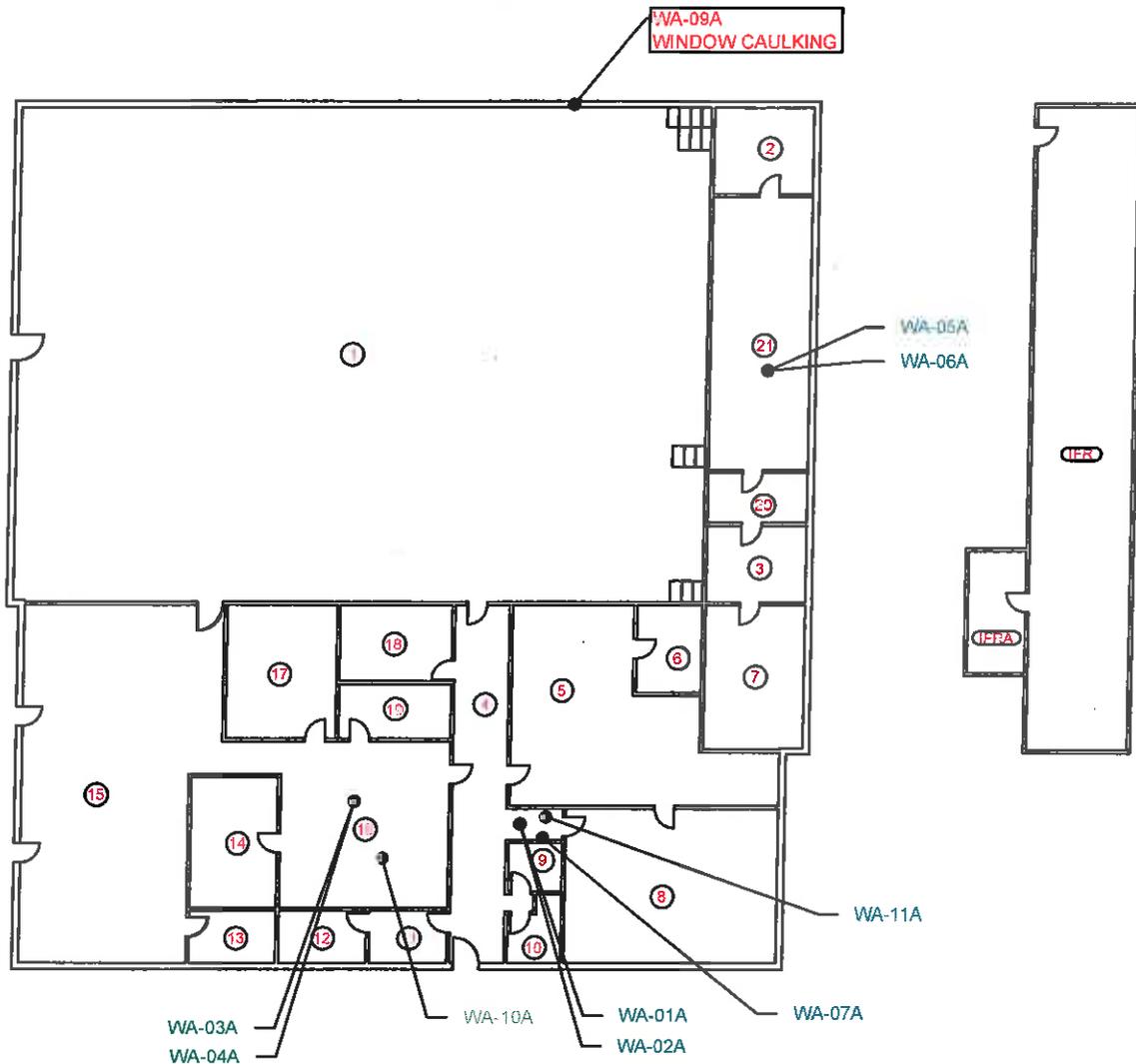
① NO THERMAL INSULATION OBSERVED DURING INSPECTION
② DENOTES ROOM NUMBERS DEVELOPED FOR SURVEY

GMR
& Associates, Inc.
2520 West I-44 Service Road, Ste. 200
P.O. Box 57827
Oklahoma City, OK 73157-7827
Phone: 405/528-7017, Fax: 405/528-3346

Figure 2
Asbestos Thermal Sampling Locations
Weatherford Armory
223 W. Rainey Avenue
Weatherford, Oklahoma 73096



NOT TO SCALE



 DENOTES ROOM NUMBERS DEVELOPED FOR SURVEY
 SAMPLES CONTAINING ASBESTOS
 SAMPLES NOT CONTAINING ASBESTOS

GMR
& Associates, Inc.
2520 West I-44 Service Road, Ste. 200
P.O. Box 57827
Oklahoma City, OK 73157-7827
Phone: 405/528-7017, Fax: 405/528-3346

Figure 3
Asbestos Miscellaneous Sampling Locations
Weatherford Armory
223 W. Rainey Avenue
Weatherford, Oklahoma 73096

Appendix D

Photo Record



Friable Asbestos Containing Window Caulking
(Sample # WA-09A)



Friable Asbestos Containing Window Caulking, East Side



Friable Asbestos Containing Window Caulking, East Half of North Side



Friable Asbestos Containing Window Caulking, Center of North Side



Friable Asbestos Containing Window Caulking, West Half of North Side



Friable Asbestos Containing Window Caulking, West Side



**Windows on South Side of Building Have Been Replaced and Do Not Have
Asbestos Containing Window Caulking**

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99

Lead Dust Sample Report

SURVEY FOR LEAD IN SETTLED DUST

NATIONAL GUARD ARMORY
223 W. RAINEY AVENUE
WEATHERFORD, OK 73096

GMR Project Number 2012017
March 22, 2012

Oklahoma Department of Environmental Quality
Land Protection Division
P. O. Box 1677
Oklahoma City, OK 73101-1677
Attention: Dustin Davidson

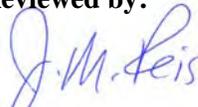
GMR & Associates, Inc.
ENGINEERS, PLANNERS, ENVIRONMENTAL SPECIALISTS, HYDROGEOLOGISTS
2520 West I-44 Service Road, Suite 200
P.O. Box 57827
Oklahoma City, OK 73157-7827
Telephone: 405-528-7017
Fax: 405-528-3346

Prepared by:



Arless E. Murray, Jr.
President
LBP Inspector, OKRASR13458

Reviewed by:



James M. Reis
Vice President
Project Manager

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**SURVEY FOR LEAD IN SETTLED DUST
WEATHERFORD NATIONAL GUARD ARMORY
223 W. RAINEY AVENUE
WEATHERFORD, OKLAHOMA**

1.0 EXECUTIVE SUMMARY

GMR & Associates, Inc. (GMR) has completed a Survey for Lead in Settled Dust (Survey) at the Weatherford National Guard Armory, 223 W. Rainey Avenue, Weatherford, Oklahoma. The Survey was conducted on March 13, 2012 by Mr. Arless Murray of GMR.

The Survey included the collection of dust wipe samples from the floor in each room and from window sills located along the south, east and west sides of the building. The samples were collected using EPA/HUD wipe sampling protocols.

The laboratory analytical results of the floor and sill samples obtained at the armory were compared to EPA/HUD criteria. The EPA/HUD recommended maximum concentration for lead in settled dust is 40 micrograms per square foot ($\mu\text{g}/\text{ft}^2$) for floors and 250 $\mu\text{g}/\text{ft}^2$ for window sills.

The results of the wipe samples collected from the floors and window sills revealed the following:

- Lead concentrations in settled dust in excess of 40 $\mu\text{g}/\text{ft}^2$ were present on the floor in Rooms 1, 2, 3, 5, 6, 7, 12, 13, 15, 20, 21, IFR, and IFRA; and
- Lead concentration in settled dust in excess of 250 $\mu\text{g}/\text{ft}^2$ were present on the window sill in Room 1.

2.0 INTRODUCTION

On March 13, 2012, GMR personnel performed a Survey for Lead in Settled Dust (Survey) at the Weatherford National Guard Armory, 223 W. Rainey Avenue, Weatherford, Oklahoma. The purpose of the Survey was to identify the locations of lead contaminated dust in the Armory. The Survey was conducted by Mr. Arless Murray of GMR. The Lead-Based Risk Assessor Certifications is provided in Appendix A. A Site Layout Map of the building showing room numbers and sampling locations is included in Appendix B.

3.0 BUILDING DESCRIPTION

Constructed in 1938, the Weatherford Armory building has a total area of 16,014 square feet and is comprised of one floor. The north half of the building serves as a motor pool with offices in the south half of the building. An indoor firing range (IFR) is located below ground level on the east side of the motor pool.

4.0 METHODOLOGY

One (1) dust wipe sample was obtained in each room, except for the drill room, where three (3) samples were obtained, and at the IFR where two (2) samples were obtained. A template measuring one square foot was used to provide a known sampling area for collection of floor samples. A measure taped-off area was used for collection of sill samples. Sample WE-22-1 shown in the laboratory report is a field blank, and not a representative dust sample from a floor or sill. A total of 29 samples were collected including the field blank.

The laboratory analytical results of the floor and sill samples obtained at the armory were compared to EPA/HUD criteria. The EPA/HUD recommended maximum concentration for lead in settled dust is 40 micrograms per square foot ($\mu\text{g}/\text{ft}^2$) for floors and 250 $\mu\text{g}/\text{ft}^2$ for window sills.

5.0 FINDING SUMMARY OF LEAD IN SETTLED DUST

Laboratory results from the dust wipe samples are presented in Appendix C. Floor and sill samples having lead levels greater than EPA/HUD recommended maximum concentrations are shown in the table below. A layout of the building is presented in Appendix B.

Table 1
Positive Dust Wipe Locations

Sample No.	Lead Content ($\mu\text{g}/\text{ft}^2$)	Location	Approx. Sq. Footage of Location
WE-01-3	127	Room 1 - Floor	83
WE-01-4	2,270	Room 1 - Sill	2
WE-02-1	478	Room 2 - Floor	205
WE-03-1	171	Room 3 - Floor	182
WE-05-1	49.2	Room 5 - Floor	885
WE-06-1	295	Room 6 - Floor	140
WE-07-1	158	Room 7 - Floor	110
WE-12-1	3,890	Room 12 - Floor	110
WE-13-1	139	Room 13 - Floor	110
WE-15-1	86.9	Room 15 - Floor	175
WE-20-1	218	Room 20 - Floor	46
WE-21-1	69.4	Room 21 - Floor	650
WE-IFR-1	2,190	Room IFR - Floor	1,560
WE-IFR-2	44,600	Room IFR - Floor	1,560
WE-IFRA-1	9,090	Room IFRA - Floor	200

6.0 RECOMMENDATIONS

The floor and window sills that had elevated levels of lead in the settled dust should be cleaned using the following procedure:

- HEPA vacuum the entire floor area and the window sills if applicable;
- Wet clean the entire floor area and the window sills if applicable;
- HEPA vacuum the entire floor area and the window sills if applicable; and
- Perform dust wipe sampling to assure that all lead contaminated dust has been reduced to acceptable levels.

Appendix A

Certifications

Department of Environmental Quality

This is to Certify That

GMR & ASSOCIATES INC

has met the specifications of the Oklahoma Lead-Based Paint Management Act
and is certified as a Lead-Based Paint

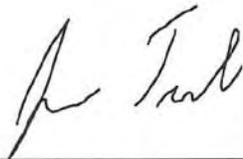
FIRM

Certification #: OKFIRM13456

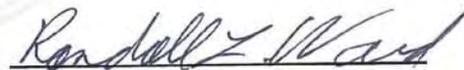
This certificate is valid from the date of issuance and expires as prescribed by law.

Issued on: **4/1/2011**

Expires on: **3/31/2012**



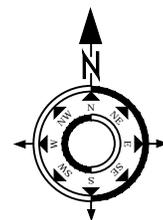
Division Director
Air Quality Division



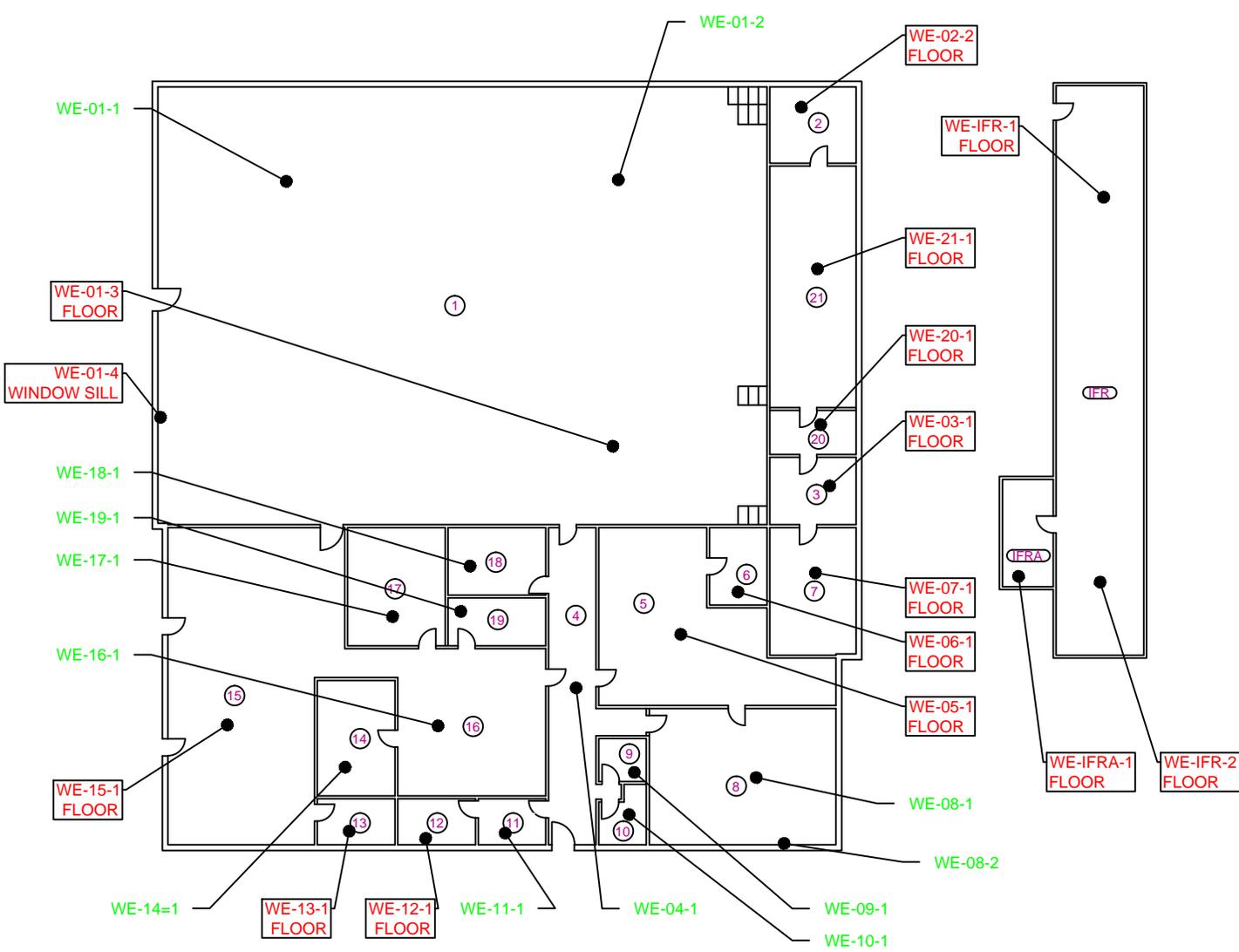
Environmental Programs Manager
Air Quality Division

Appendix B

Site Layout with Sample Locations



NOT TO SCALE



- Ⓢ DENOTES ROOM NUMBERS DEVELOPED FOR SURVEY
- OK-### FLOOR SAMPLES WITH GREATER THAN OR EQUAL TO 40 $\mu\text{g}/\text{ft}^2$
- OK-### FLOOR SAMPLES WITH LESS THAN 40 $\mu\text{g}/\text{ft}^2$
- OK-### SILL SAMPLES WITH GREATER THAN OR EQUAL TO 250 $\mu\text{g}/\text{ft}^2$
- OK-### SILL SAMPLES WITH LESS THAN 250 $\mu\text{g}/\text{ft}^2$

GMR
 & Associates, Inc.
 2520 West I-44 Service Road, Ste. 200
 P.O. Box 57827
 Oklahoma City, OK 73157-7827
 Phone: 405/528-7017, Fax: 405/528-3346

Figure 1
 Dust Sampling Locations
 Weatherford Armory
 223 W. Rainey Avenue
 Weatherford, Oklahoma 73096

Appendix C

Laboratory Results and Chain of Custody Field Sheets



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

Quantem Set ID: 205393
Date Received: 03/13/12
Received By: Barbara Holder
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 3/14/2012

Client: GMR & Associates, Inc.
PO Box 57827
Oklahoma City, OK 73157
Acct. No.: B216
Project: Weatherford Armory
Location: Weatherford, OK
Project No.: 2012017-001

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	WE-01-1	Wipe	Lead	35.5	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
002	WE-01-2	Wipe	Lead	21.9	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
003	WE-01-3	Wipe	Lead	127	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
004	WE-01-4	Wipe	Lead	2,270	12	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
005	WE-02-1	Wipe	Lead	478	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
006	WE-03-1	Wipe	Lead	171	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
007	WE-04-1	Wipe	Lead	17.6	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
008	WE-21-1	Wipe	Lead	69.4	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
009	WE-20-1	Wipe	Lead	218	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
010	WE-05-1	Wipe	Lead	49.2	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
011	WE-06-1	Wipe	Lead	295	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
012	WE-07-01	Wipe	Lead	158	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
013	WE-IFR-1	Wipe	Lead	2,190	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
014	WE-IFR-2	Wipe	Lead	45,600	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
015	WE-IFRA-1	Wipe	Lead	9,090	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
016	WE-08-1	Wipe	Lead	38.3	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
017	WE-09-1	Wipe	Lead	16.4	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

Quantem Set ID: 205393
Date Received: 03/13/12
Received By: Barbara Holder
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 3/14/2012

Client: GMR & Associates, Inc.
PO Box 57827
Oklahoma City, OK 73157
Acct. No.: B216
Project: Weatherford Armory
Location: Weatherford, OK
Project No.: 2012017-001

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	WE-10-1	Wipe	Lead	<12.0	12	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
019	WE-08-2	Wipe	Lead	179	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
020	WE-11-1	Wipe	Lead	21.8	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
021	WE-12-1	Wipe	Lead	3,890	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
022	WE-13-1	Wipe	Lead	139	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
023	WE-14-1	Wipe	Lead	24.3	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
024	WE-15-1	Wipe	Lead	86.9	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
025	WE-16-1	Wipe	Lead	<16.0	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
026	WE-17-1	Wipe	Lead	<16.0	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
027	WE-18-1	Wipe	Lead	<16.0	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
028	WE-19-1	Wipe	Lead	<16.0	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)
029	WE-22-1	Wipe	Lead	<16.0	16	ug/sq. Ft.	03/14/12 9:30	W EPA 7420 (1)

Authorized Signature: 
Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

Supplemental Report QAQC Results

QA ID: 9785
Test: Lead

Date: 3/14/2012
Matrix: Wipe

Lab Number: 205393
Approved By: Benton Miller
Date Approved: 3/14/2012

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	4.8	5.5
FCV	4.5	5.4	5.5
ICV	0.9	1	1.1
RLVS	0.256	0.347	0.384

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W2	0.000	5.427	5.720	105.4	5.233	96.4	8.9
MS-W1	0.000	5.503	5.528	100.5	5.534	100.6	0.1

Authorized Signature: _____



Benton Miller, Analyst



LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>205393</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results (<input checked="" type="checkbox"/> one box)
QuantEM Website
Other

Contact Information		Project Information	
Company: <u>GMR & Associates, Inc.</u>	Phone: <u>405-528-7017</u>	Project Name: <u>Weatherford Army</u>	
Contact: <u>Arless Murray</u>	Cell Phone: <u>405-401-2833</u>	Project Location: <u>Weatherford OK</u>	
Account #: _____	E-mail: <u>arlessmurray@gmr-lab.net</u>	Project ID: <u>2012017-001</u>	

Sampled By: Arless Murray Date: 3-13-12

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>A.E. Murray</u>	<u>3/13/12 1445</u>		<u>[Signature]</u>	<u>3-13-12 245</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis					Sample Matrix Codes						
						Pb	mg / l	mg / ft ²	mg / m ³	mg / cm ²	A	B	C	D	E		
1	WE-01-1	Conc. Floor		12'x12"	C	<input checked="" type="checkbox"/>											
2	WE-01-2	Conc. Floor		12'x12"	C	<input checked="" type="checkbox"/>											
3	WE-01-3	Conc. Floor		12'x12"	C	<input checked="" type="checkbox"/>											
4	WE-01-4	Window Sill - N. Wall		8'x24"	C	<input checked="" type="checkbox"/>											
5	WE-02-1	Floor - Conc.		12'x12"	C	<input checked="" type="checkbox"/>											
6	WE-03-1	Floor - Conc. Painted		12'x12"	C	<input checked="" type="checkbox"/>											
7	WE-04-1	Floor - Tile		12'x12"	C	<input checked="" type="checkbox"/>											
8	WE-21-1	Floor - Tile		12'x12"	C	<input checked="" type="checkbox"/>											
9	WE-20-1	Floor - Conc.		12'x12"	C	<input checked="" type="checkbox"/>											
10	WE-05-1	Floor - Conc.		12'x12"	C	<input checked="" type="checkbox"/>											
11	WE-06-1	Floor - Conc.		12'x12"	C	<input checked="" type="checkbox"/>											
12	WE-07-1	Floor - Conc. Painted		12'x12"	C	<input checked="" type="checkbox"/>											

TURNAROUND TIME	
Same Day	<input type="checkbox"/>
24 - Hour	<input type="checkbox"/>
3 - Day	<input type="checkbox"/>
5 - Day	<input checked="" type="checkbox"/>



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LABORATORIES

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LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>265393</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information	
Company: <u>GMR & Associates, Inc.</u>	Project Name: <u>Weatherford Armory</u>
Project Location: <u>Weatherford, OK</u>	

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis	Units (<input checked="" type="checkbox"/> ONE box only)					Sample Matrix Codes
							Pb	mg / l	µg / ft ²	µg / m ³	mg / cm ²	
13	<u>WE-IFR-1</u>	<u>Floor - IFR - N. Conc</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
14	<u>WE-IFR-2</u>	<u>Floor - IFR - S. Conc</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
15	<u>WE-IFRA-1</u>	<u>Floor - IFR - Rm A - Conc</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
16	<u>WE-08-1</u>	<u>Floor - Carpet</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
17	<u>WE-09-1</u>	<u>Floor - Tile</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
18	<u>WE-10-1</u>	<u>Floor - Tile</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
19	<u>WE-09-2</u>	<u>Window Sill -</u>		<u>8'x24"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
20	<u>WE-11-1</u>	<u>Floor - Carpet</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
21	<u>WE-12-1</u>	<u>Floor - Conc, Painted</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
22	<u>WE-13-1</u>	<u>Floor - Conc Tile</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
23	<u>WE-14-1</u>	<u>Floor - Conc.</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
24	<u>WE-15-1</u>	<u>Floor - Conc.</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
25	<u>WE-16-1</u>	<u>Floor - Tile</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
26	<u>WE-17-1</u>	<u>Floor - Conc</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
27	<u>WE-18-1</u>	<u>Floor - Carpet</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
28	<u>WE-19-1</u>	<u>Floor - Carpet</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
29	<u>WE-22-1</u>	<u>Floor</u>		<u>12'x12"</u>	<u>C</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
30												

Lead-Based Paint Inspection Report

LEAD-BASED PAINT INSPECTION REPORT

NATIONAL GUARD ARMORY
223 W. RAINEY AVENUE
WEATHERFORD, OK 73096

GMR Project Number 2012017
March 16, 2012

RECEIVED

APR 06 2012

LAND PROTECTION DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

Oklahoma Department of Environmental Quality
Land Protection Division
P. O. Box 1677
Oklahoma City, OK 73101-1677
Attention: Mr. Dustin Davidson

GMR & Associates, Inc.

ENGINEERS, PLANNERS, ENVIRONMENTAL SPECIALISTS, HYDROGEOLOGISTS

2520 West I-44 Service Road, Suite 200

P.O. Box 57827

Oklahoma City, OK 73157-7827

Telephone: 405-528-7017

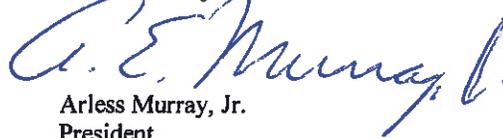
Fax: 405-528-3346

Prepared by:



Jeffrey Burger
Basin Environmental and Safety Technologies
LBP Risk Assessor, OKRASR13639

Reviewed by:



Arless Murray, Jr.
President

EXECUTIVE SUMMARY

Basin Environmental and Safety Technologies (Basin) performed a lead-based paint inspection of the interior and exterior painted surfaces at the Former National Guard Armory building on March 13, 2012. The property is located at 223 W. Rainey Avenue, Weatherford, Oklahoma 73096 and is owned by the City of Weatherford, located at 522 W. Rainey Avenue, Weatherford, OK 73096 (405-247-6651). The inspection identified the presence, quantity, locations, and characteristics of lead on all interior and exterior painted surfaces and building components. Surfaces were tested according to the specifications described in the protocols for lead-based paint testing in the Department of Housing and Urban Development's (HUD) Guidelines, Chapter 7 (1997 revision) and any applicable Federal, State, and Local regulations.

The objective of the inspection was to identify surfaces with lead in concentrations above the Environmental Protection Agency's (EPA) threshold of 1.0 mg/cm² by X-Ray Fluorescence (XRF) analysis. A total of twenty-three (23) room equivalents, including the building exterior.

Surfaces found to contain lead-based paint by XRF analysis are listed in table below. All testing combinations not specifically tested, but identical to those represented below should be considered positive for lead-based paint unless otherwise noted. A listing of all tests can be found in **Appendix A**.

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)
4	1	A	Wall		White	Intact	Brick	1.3
5	1	A	Wall		Red	Intact	Brick	1.3
6	1	B	Wall		Red	Intact	Brick	1.6
7	1	B	Wall		White	Intact	Brick	1.5
9	1	C	Wall		White	Intact	Brick	1.9
10	1	C	Wall		Red	Intact	Brick	2.2
16	1	D	Wall	Hand rail	Yellow	Fair	Metal	1.5
17	1	D	Wall	Steps	Yellow	Fair	Concrete	2.2
19	1	A	Door	Jamb	Gray	Fair	Metal	2.5
20	1	A	Door		Gray	Fair	Wood	3.1
21	1	A	Wall	Conduit	White	Fair	Metal	1.8

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)
22	1	A	Wall	Conduit	White	Fair	Metal	1.7
23	1	A	Door	Jamb	Gray	Poor	Metal	2.8
24	1	A	Door		Gray	Poor	Wood	4.4
26	1	A	Window		Gray	Poor	Metal	1.4
27	1	B	Door	Jamb	Red	Fair	Metal	2.4
31	2	C	Wall		Blue	Poor	Brick	1.2
34	3	A	Wall		White	Intact	Brick	1.7
35	3	B	Wall		White	Intact	Brick	1.3
36	3	C	Wall		White	Intact	Brick	1.3
39	3	D	Wall		White	Intact	Brick	1.3
40	3	A	Door	Jamb	Gray	Intact	Metal	2.6
41	3	A	Door		Red	Intact	Metal	3.7
53	4	D	Door	Jamb	Red	Intact	Metal	3.8
54	4	D	Door		Red	Intact	Metal	3.9
55	4	D	Door	Jamb	Red	Intact	Metal	3.6
56	4	D	Door		Red	Intact	Wood	3.9
64	5	D	Wall		Red	Fair	Brick	2.9
71	5	D	Window	Bars	Red	Intact	Metal	3.2
104	11	B	Door	Jamb	Beige	Intact	Metal	3.7
116	13	B	Door	Jamb	Red	Intact	Metal	2.9
117	13	B	Door		Beige	Intact	Metal	3.2
125	15	B	Wall		Red	Poor	Brick	1.2
127	15	C	Wall		Red	Poor	Brick	1.7

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)
147	18	D	Door		White	Intact	Wood	3.5
148	18	D	Door	Jamb	White	Intact	Metal	3.3
156	20	A	Wall		White	Intact	Brick	1.2
159	20	D	Wall		White	Intact	Brick	1.3
168	21	D	Wall		Brown	Poor	Brick	1.6
181	Exterior	D	Window	Board	Beige	Poor	Wood	2.5
183	Exterior	D	Window	Bars	Beige	Poor	Wood	1.7
194	1		Ceiling	Beam	Silver	Intact	Metal	1.3
195	1		Ceiling	Joists	Silver	Intact	Metal	1.6
196	1		Ceiling	Brace	Silver	Intact	Metal	1.7

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Appendix A: X-Ray Fluorescence Analyzer Data

Appendix B: Photographs of Lead-Based Paint Locations

Appendix C: Building Diagram

Appendix D: Lead-Based Paint Inspector/Risk Assessor and Firm Certifications

Appendix E: XRF Performance Characteristics Sheet

Appendix F: XRF Calibration Record

I. CERTIFICATION

I certify that this inspection, conducted at the Former National Guard Armory located at 223 Rainey Avenue, Weatherford, OK 73096, complies with accepted standards, practices, and regulations promulgated by the U.S. Department of Housing and Urban Development, the Environmental Protection Agency, and the Oklahoma Department of Environmental Quality. The results accurately reflect the condition of the property at the time the inspection was performed.

Certified Lead Based Paint Inspector/Risk Assessor



Jeffrey Burger
Certified Lead-Based Paint Inspector/Risk Assessor
Registration No: OKRASR13639 State: OK

Certified Lead Based Paint Firm No. OKFIRM13434
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Revision Number:	Review Date:	Reviewed By:	Reviewer Initials:
001	March 23, 2012	Todd Wolfard	

II. INTRODUCTION

Basin Environmental and Safety Technologies (Basin) performed a lead-based paint inspection of the interior and exterior painted surfaces at the Former National Guard Armory building on February 23, 2012. The property is located at 223 West Rainey Avenue, Weatherford, OK 73096 and is owned by the City of Weatherford, located at 522 West Rainey, Weatherford, OK 73096 (405-247-6651). The inspection identified the presence, quantity, locations, and characteristics of lead on all interior and exterior painted surfaces and building components. Surfaces were tested according to the specifications described in the protocols for lead-based paint testing in the Department of Housing and Urban Development's (HUD) Guidelines, Chapter 7 (1997 revision) and any applicable Federal, State, and Local regulations.

The objective of the inspection was to identify surfaces with lead in concentrations above the Environmental Protection Agency's (EPA) threshold of 1.0 mg/cm² by X-Ray Fluorescence (XRF) analysis. A total of twenty-three (23) room equivalents, including the building exterior were inspected.

III. INSPECTION FINDINGS

Surfaces found to contain lead-based paint by XRF analysis are listed in **Tables 1 through 3** below. All testing combinations not specifically tested, but identical to those represented below should be considered positive for lead-based paint unless otherwise noted. A listing of all tests can be found in **Appendix A**.

Table 1: Doors and Door Frames with Lead-Based Paint

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)	Door Size (H" x W")
19	1	A	Door	Jamb	Gray	Fair	Metal	2.5	83" x 37"
20	1	A	Door		Gray	Fair	Wood	3.1	83" x 37"
23	1	A	Door	Jamb	Gray	Poor	Metal	2.8	10' x 10'
24	1	A	Door		Gray	Poor	Wood	4.4	10' x 10'
27	1	B	Door	Jamb	Red	Fair	Metal	2.4	84" x 36"
40	3	A	Door	Jamb	Gray	Intact	Metal	2.6	84" x 36"
41	3	A	Door		Red	Intact	Metal	3.7	84" x 36"
53	4	D	Door	Jamb	Red	Intact	Metal	3.8	84" x 48"
54	4	D	Door		Red	Intact	Metal	3.9	84" x 48"
55	4	D	Door	Jamb	Red	Intact	Metal	3.6	84" x 36"
56	4	D	Door		Red	Intact	Wood	3.9	84" x 36"
102	11	B	Door	Jamb	Beige	Intact	Metal	2.4	84" x 36"
104	11	B	Door	Jamb	Beige	Intact	Metal	3.7	84" x 28"
116	13	B	Door	Jamb	Red	Intact	Metal	2.9	84" x 36"
117	13	B	Door		Beige	Intact	Metal	3.2	84" x 36"
147	18	D	Door		White	Intact	Wood	3.5	84" x 36"
148	18	D	Door	Jamb	White	Intact	Metal	3.3	84" x 36"

Table 2: Windows and Window Frames with Lead-Based Paint

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)	Door Size (H" x W")
26	1	A	Window		Gray	Poor	Metal	1.4	1.4
186	Exterior	D	Window		Beige	Poor	Metal	3.3	3.3

Table 3: Miscellaneous Surfaces with Lead-Based Paint

Reading Number	Room	Side	Component	Feature	Color	Condition	Substrate	Lead (mg/cm ²)
4	1	A	Wall		White	Intact	Brick	1.3
5	1	A	Wall		Red	Intact	Brick	1.3
6	1	B	Wall		Red	Intact	Brick	1.6
7	1	B	Wall		White	Intact	Brick	1.5
9	1	C	Wall		White	Intact	Brick	1.9
10	1	C	Wall		Red	Intact	Brick	2.2
16	1	D	Wall	Hand Rail	Yellow	Fair	Metal	1.5
17	1	D	Wall	Steps	Yellow	Fair	Concrete	2.2
21	1	A	Wall	Conduit	White	Fair	Metal	1.8
22	1	A	Wall	Conduit	White	Fair	Metal	1.7
31	2	C	Wall		Blue	Poor	Brick	1.2
34	3	A	Wall		White	Intact	Brick	1.7
35	3	B	Wall		White	Intact	Brick	1.3
36	3	C	Wall		White	Intact	Brick	1.3
39	3	D	Wall		White	Intact	Brick	1.3
64	5	D	Wall		Red	Fair	Brick	2.9
71	5	D	Windows	Bars	Red	Intact	Metal	3.2
125	15	B	Wall		Red	Poor	Brick	1.2
127	15	C	Wall		Red	Poor	Brick	1.7
156	20	A	Wall		White	Intact	Brick	1.2
159	20	D	Wall		White	Intact	Brick	1.3
168	21	D	Wall		Brown	Poor	Brick	1.6
181	Exterior	D	Window	Board	Beige	Poor	Wood	2.5
183	Exterior	D	Window	Bars	Beige	Poor	Wood	1.7
194	1		Ceiling	Beam	Silver	Intact	Metal	1.3
195	1		Ceiling	Joists	Silver	Intact	Metal	1.6
196	1		Ceiling	Brace	Silver	Intact	Metal	1.7

Photographs of lead-based paint locations can be found in **Appendix B**. Diagrams identifying room equivalents and lead-based paint locations can be found in **Appendix C**.

IV. SCOPE OF PROJECT

1. Background

The property, located at 223 Rainey Avenue, Weatherford, OK 73096, was constructed in 1938. The property consists of a brick building with 16,014 square feet of floor space. The single level building contains a total of twenty-three (23) room equivalents. Exterior walls on the main building (and/or annex building) for the purposes of this report are also considered a room equivalent.

2. Training

All inspectors utilized by Basin are EPA/Oklahoma Department of Environmental Quality (ODEQ) licensed Lead-Based Paint Inspector/Risk Assessors. Furthermore, all Inspector/Risk Assessors are aware of the hazards associated with and the safe handling of radioactive materials. See **Appendix D** for copies of appropriate training documentation.

3. Equipment

A Niton Model XLp703AW (Serial #10713) XRF Analyzer was used for the inspection. The instrument contained Cadmium-109 as its radioactive source. The source was installed on April 14, 2011. During the inspection, the XRF was used in K+L testing mode for all surfaces. The Performance Characteristics Sheet for the instrument can be found in **Appendix E**. The manufacturer calibration record for the instrument can be found in **Appendix F**.

4. Methodology

The inspection procedure used at this location complies with the EPA Performance Characteristic Sheet (PCS) for the specific XRF instrument used during the inspection; this includes adhering to the manufacturer's modifications and recommendations. The specific instrument used was manufactured by NITON Corporation, 900 Middlesex Turnpike, Building 8, Billerica, Massachusetts 01821. The lead-based paint inspection and testing protocols followed are found in the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (June 1995), Chapter 7 (1997 Revision)* and all State and Local regulations were followed. The standard threshold for lead-based paint as per HUD/EPA and the ODEQ of 1.0 mg/cm was utilized for classification of positive (above the threshold) and negative (below the threshold). When evaluating this report, it is assumed that (according to Chapter 7 of the HUD Guidelines) if one testing combination is positive for lead-based paint, then all other similar testing combinations are positive. The same assumption applies to negative readings. Any inconclusive readings are immediately followed by an additional reading of the same testing combination and test location.

Surfaces were classified by a testing combination consisting of the room equivalent, building component type, and substrate. The sides of room equivalents were labeled A, B, C, and D. Side A is the address (street facing) side of the building. Sides B, C, and D are identified clockwise of Side A while facing the address side of the building. Paint conditions were recorded as either "intact", "fair", or "poor." Paint in poor condition was defined as deterioration of more than two square feet on large components such as walls or 10% on smaller components such as baseboards. Paint in "fair" condition was defined as deterioration of less than or equal to two square feet on large components or 10% on smaller components. Paint in "intact" condition was defined as surfaces with no deteriorated paint. Interior painted surfaces that were tested included but were not limited to walls, doors, windows, trim, vents, stairwells, ceilings, cabinets, and bookcases.

Calibration of the XRF instrument was checked using a lead paint standard known to contain 1.0 mg/cm² of lead. The instrument was checked three times before the inspection begins and three times when the inspection is completed. Additionally, on days that the inspection lasted more than four hours, the instrument calibration was checked every four hours during the inspection. The instrument maintained a consistent calibration reading within the manufacturer's range of 0.8 – 1.2 mg/cm² for this inspection.

V. RECOMMENDATIONS

Options for controlling potential lead-based paint hazards include, but are not limited to:

- Removal and replacement of building components
- Removal of lead-based paint
- Encapsulation of lead-based paint
- Enclosure of lead-based paint

Based on conditions present at this property at the time of the inspection, Basin recommends the following interim control and abatement options:

- Remove and replace all window components found to have lead-based paint.
- Remove and replace all door components found to have lead-based paint.
- Utilize interim controls (i.e. stabilization and repainting) to maintain all other lead-based paint which is in "intact" or "fair" condition.
- Remove and replace all miscellaneous building components with lead-based paint in "poor" condition.

Basin estimates the cost for the above mentioned lead-based paint interim control and abatement options to be between \$13,000 and \$15,000.

VI. LIMITATIONS

Environmental conditions are subject to change and conditions reported herein apply only to the date and time of the testing. Therefore, changes in environmental conditions including, but not limited to the condition of painted components may change following this inspection are not predicted by this report. Those areas that are not accessible at the time of the inspection should be considered positive for the presence of lead-based paint and lead hazards.

This document is the rendering of a professional service, the essence of which is to render advice, judgment, opinion, or professional skill. No attempt was made to document the condition of each and every structural or nonstructural element. In the event that additional information becomes available that could affect the conclusions reached in this investigation, Basin reserves the right to review and change if required, some or all of the opinions presented herein.

APPENDIX A

Rd. #	Time	Duration	Units	Site	Room	Side	Component	Feature	Color	Condition	Substrate	Results	Depth	PbC	Error
1	3/13/2012 11:04	20.44	mg / cm ^2	Weatherford A	calibrate							Positive	1.07	1	0.1
2	3/13/2012 11:04	20.43	mg / cm ^2	Weatherford A	calibrate							Positive	1.08	1	0.1
3	3/13/2012 11:05	22.71	mg / cm ^2	Weatherford A	calibrate							Positive	1.05	1	0.1
4	3/13/2012 11:07	4.05	mg / cm ^2	Weatherford A	1 A	Wall			White	Intact	Brick	Positive	2.13	1.3	0.2
5	3/13/2012 11:08	6.31	mg / cm ^2	Weatherford A	1 A	Wall			Red	Intact	Brick	Positive	3.2	1.3	0.2
6	3/13/2012 11:10	3.34	mg / cm ^2	Weatherford A	1 B	Wall			Red	Intact	Brick	Positive	2.83	1.6	0.4
7	3/13/2012 11:10	3.95	mg / cm ^2	Weatherford A	1 B	Wall			White	Intact	Brick	Positive	2.81	1.5	0.8
8	3/13/2012 11:11	4.48	mg / cm ^2	Weatherford A	1 C	Wall			White	Intact	Brick	Null	2.41	1.2	0.2
9	3/13/2012 11:12	3.34	mg / cm ^2	Weatherford A	1 C	Wall			White	Intact	Brick	Positive	2.14	1.9	0.4
10	3/13/2012 11:12	1.86	mg / cm ^2	Weatherford A	1 C	Wall			Red	Intact	Brick	Positive	2.53	2.2	0.7
11	3/13/2012 11:14	11.11	mg / cm ^2	Weatherford A	1 D	Wall			Red	Intact	Brick	Negative	1.72	0.7	0.2
12	3/13/2012 11:14	8.53	mg / cm ^2	Weatherford A	1 D	Wall			Red	Intact	Brick	Negative	1.46	0.08	0.02
13	3/13/2012 11:15	8.54	mg / cm ^2	Weatherford A	1 D	Wall			White	Intact	Brick	Negative	1.91	0.6	0.2
14	3/13/2012 11:16	4.46	mg / cm ^2	Weatherford A	1 D	Wall			Beige	Intact	Block	Negative	2.03	0.02	0.02
15	3/13/2012 11:17	1.48	mg / cm ^2	Weatherford A	1 D	Wall	cage		Black	Intact	Metal	Negative	1	0.02	0.04
16	3/13/2012 11:18	1.48	mg / cm ^2	Weatherford A	1 D	Wall	hand rail		Yellow	Fair	Metal	Positive	1.01	1.5	0.4
17	3/13/2012 11:21	1.48	mg / cm ^2	Weatherford A	1 D	Wall	Steps		Yellow	Fair	Concrete	Positive	1.17	2.2	0.5
18	3/13/2012 11:22	5.21	mg / cm ^2	Weatherford A	1 D	Wall	Steps		Red	Fair	Concrete	Negative	1.34	0.01	0.02
19	3/13/2012 11:21	1.80	mg / cm ^2	Weatherford A	1 A	Door	Jamb		Gray	Fair	Metal	Positive	1.56	2.5	0.8
20	3/13/2012 11:25	1.47	mg / cm ^2	Weatherford A	1 A	Door			Gray	Fair	Wood	Positive	1.65	3.1	0.9
21	3/13/2012 11:29	1.24	mg / cm ^2	Weatherford A	1 A	Wall	Conduit		White	Fair	Metal	Positive	2.37	1.8	0.8
22	3/13/2012 11:30	2.54	mg / cm ^2	Weatherford A	1 A	Wall	Conduit		White	Fair	Metal	Positive	3.12	1.7	0.8
23	3/13/2012 11:32	1.49	mg / cm ^2	Weatherford A	1 A	Door	Jamb		Gray	Poor	Metal	Positive	1.72	2.8	0.8
24	3/13/2012 11:34	1.48	mg / cm ^2	Weatherford A	1 A	Door			Gray	Poor	Wood	Positive	1.67	4.2	1.2
25	3/13/2012 11:38	8.56	mg / cm ^2	Weatherford A	1 A	Window			Gray	Poor	Metal	Null	1.2	1	0.1
26	3/13/2012 11:39	3.34	mg / cm ^2	Weatherford A	1 A	Window			Gray	Poor	Metal	Positive	1.27	1.4	0.8
27	3/13/2012 11:42	2.22	mg / cm ^2	Weatherford A	1 B	Door	Jamb		Red	Fair	Metal	Positive	5.09	2.4	1.1
28	3/13/2012 11:42	1.49	mg / cm ^2	Weatherford A	1 B	Door			Red	Fair	Metal	Negative	1.61	0	0.02
29	3/13/2012 11:45	1.84	mg / cm ^2	Weatherford A	2 A	Wall			Blue	Intact	block	Negative	1.09	0.03	0.04
30	3/13/2012 11:46	6.34	mg / cm ^2	Weatherford A	2 B	Wall			Blue	Intact	Brick	Negative	5.76	0.7	0.3
31	3/13/2012 11:46	9.65	mg / cm ^2	Weatherford A	2 C	Wall			Blue	Poor	Brick	Positive	2.07	1.2	0.1
32	3/13/2012 11:48	4.1	mg / cm ^2	Weatherford A	2 D	Wall			Blue	Poor	Brick	Negative	3.74	0.5	0.3
33	3/13/2012 11:49	1.11	mg / cm ^2	Weatherford A	2 D	Ceiling			White	Intact	Drywall	Negative	1	0.01	0.03
34	3/13/2012 11:51	2.25	mg / cm ^2	Weatherford A	3 A	Wall			White	Intact	Brick	Positive	2.46	1.7	0.6
35	3/13/2012 11:53	5.18	mg / cm ^2	Weatherford A	3 B	Wall			White	Intact	Brick	Positive	3.43	1.3	0.2
36	3/13/2012 11:55	9.65	mg / cm ^2	Weatherford A	3 C	Wall			White	Intact	Brick	Positive	3.03	1.3	0.2
37	3/13/2012 11:56	12.24	mg / cm ^2	Weatherford A	3 D	Wall			White	Intact	Brick	Null	2.8	0.9	0.1
38	3/13/2012 11:58	12.2	mg / cm ^2	Weatherford A	3 D	Wall			White	Intact	Brick	Null	1.86	0.9	0.1
39	3/13/2012 11:59	4.07	mg / cm ^2	Weatherford A	3 D	Wall			White	Intact	Brick	Positive	2.4	1.3	0.2
40	3/13/2012 12:00	1.48	mg / cm ^2	Weatherford A	3 A	Door	Jamb		Gray	Intact	Metal	Positive	2.35	2.5	0.9
41	3/13/2012 12:00	1.48	mg / cm ^2	Weatherford A	3 A	Door			Red	Intact	Metal	Positive	3.12	2.7	1.4

Rd. #	Time	Duration	Units	Site	Room	Side	Component	Feature	Color	Condition	Substrate	Results	Depth	PbC	Error
42	3/13/2012 12:03	1.48	mg / cm ^2	Weatherford A	3A		Ceiling		White	Poor	Drywall	Negative	1	0	0.02
43	3/13/2012 12:03	1.85	mg / cm ^2	Weatherford A	3A		Floor		Red	Poor	Concrete	Negative	1.1	0.14	0.1
44	3/13/2012 12:05	4.09	mg / cm ^2	Weatherford A	4A		Wall		Red	Intact	Concrete	Negative	7.25	0.6	0.3
45	3/13/2012 12:06	4.09	mg / cm ^2	Weatherford A	4A		Wall		White	Intact	Concrete	Negative	1.93	0.6	0.3
46	3/13/2012 12:06	4.09	mg / cm ^2	Weatherford A	4B		Wall		White	Intact	Concrete	Negative	6.3	0.5	0.3
47	3/13/2012 12:07	4.82	mg / cm ^2	Weatherford A	4B		Wall		Red	Intact	Concrete	Negative	3.65	0.6	0.3
48	3/13/2012 12:07	4.1	mg / cm ^2	Weatherford A	4C		Wall		Red	Intact	Concrete	Negative	2.63	0.6	0.3
49	3/13/2012 12:08	4.07	mg / cm ^2	Weatherford A	4C		Wall		White	Intact	Concrete	Negative	3.66	0.5	0.3
50	3/13/2012 12:08	4.1	mg / cm ^2	Weatherford A	4D		Wall		White	Intact	Concrete	Negative	3.54	0.6	0.3
51	3/13/2012 12:08	4.09	mg / cm ^2	Weatherford A	4D		Wall		Red	Intact	Concrete	Negative	3.38	0.5	0.3
52	3/13/2012 12:09	1.48	mg / cm ^2	Weatherford A	4D		Baseboard		Black	Intact	Concrete	Negative	2.35	0.12	0.16
53	3/13/2012 12:10	1.48	mg / cm ^2	Weatherford A	4D		Door	Jamb	Red	Intact	Metal	Positive	2.79	3.9	1.3
54	3/13/2012 12:10	1.47	mg / cm ^2	Weatherford A	4D		Door		Red	Intact	Metal	Positive	3.29	3.3	1.5
55	3/13/2012 12:11	3.22	mg / cm ^2	Weatherford A	4D		Door	Jamb	Red	Intact	Metal	Positive	5.95	3.6	1.5
56	3/13/2012 12:14	1.47	mg / cm ^2	Weatherford A	4D		Door		Red	Intact	Wood	Positive	3.07	3.9	1.4
57	3/13/2012 12:16	4.44	mg / cm ^2	Weatherford A	4B		Wall	Conduit	White	Intact	Metal	Negative	4.67	0.19	0.11
58	3/13/2012 12:17	4.07	mg / cm ^2	Weatherford A	5A		Wall		White	Fair	Brick	Negative	1.83	0.6	0.3
59	3/13/2012 12:18	4.1	mg / cm ^2	Weatherford A	5A		Wall		Red	Fair	Brick	Negative	2.48	0.5	0.3
60	3/13/2012 12:19	3.69	mg / cm ^2	Weatherford A	5A		Wall		Green	Fair	Brick	Negative	2.13	0.6	0.3
61	3/13/2012 12:19	1.48	mg / cm ^2	Weatherford A	5A		Wall		Red	Fair	Brick	Null	2.25	0.19	0.18
62	3/13/2012 12:20	2.98	mg / cm ^2	Weatherford A	5A		Wall		Red	Fair	Brick	Negative	1.8	0.17	0.11
63	3/13/2012 12:20	3.72	mg / cm ^2	Weatherford A	5C		Wall		Red	Fair	Brick	Negative	1.72	0.6	0.3
64	3/13/2012 12:21	1.49	mg / cm ^2	Weatherford A	5D		Wall		Red	Fair	Brick	Positive	1.4	2.9	0.7
65	3/13/2012 12:23	2.21	mg / cm ^2	Weatherford A	6A		Wall		White	Fair	Concrete	Negative	1.91	0.08	0.09
66	3/13/2012 12:23	2.8	mg / cm ^2	Weatherford A	6B		Wall		White	Fair	Concrete	Negative	1	0	0.02
67	3/13/2012 12:24	2.22	mg / cm ^2	Weatherford A	6C		Wall		White	Fair	Concrete	Negative	1.61	0.02	0.04
68	3/13/2012 12:24	2.22	mg / cm ^2	Weatherford A	6D		Wall		White	Fair	Concrete	Negative	1	0	0.02
69	3/13/2012 12:26	1.86	mg / cm ^2	Weatherford A	6D		Door		Gray	Intact	Metal	Negative	1.25	0.28	0.15
70	3/13/2012 12:27	1.86	mg / cm ^2	Weatherford A	6D		Door	Jamb	Gray	Intact	Metal	Negative	1.25	0.5	0.2
71	3/13/2012 12:28	1.49	mg / cm ^2	Weatherford A	5D		Window	Bars	Red	Intact	Metal	Positive	1.53	3.2	0.8
72	3/13/2012 12:31	1.11	mg / cm ^2	Weatherford A	6A		Wall		Gray	Intact	Drywall	Negative	1	0	0.02
73	3/13/2012 12:32	1.48	mg / cm ^2	Weatherford A	6B		Wall		Gray	Intact	Drywall	Negative	1.01	0	0.02
74	3/13/2012 12:32	1.11	mg / cm ^2	Weatherford A	6C		Wall		Gray	Intact	Drywall	Negative	1	0	0.02
75	3/13/2012 12:32	1.86	mg / cm ^2	Weatherford A	6D		Wall		Gray	Intact	Drywall	Negative	1	0	0.02
76	3/13/2012 12:34	4.44	mg / cm ^2	Weatherford A	8A		Wall		Wallpaper	Intact	Drywall	Negative	1.41	0	0.02
77	3/13/2012 12:35	1.48	mg / cm ^2	Weatherford A	8B		Wall		Wallpaper	Intact	Drywall	Negative	2.1	0.01	0.04
78	3/13/2012 12:35	1.86	mg / cm ^2	Weatherford A	8C		Wall		Wallpaper	Intact	Drywall	Negative	1	0	0.02
79	3/13/2012 12:35	1.86	mg / cm ^2	Weatherford A	8D		Wall		Wallpaper	Intact	Drywall	Negative	1	0	0.02
80	3/13/2012 12:36	2.59	mg / cm ^2	Weatherford A	8D		Cabinet		Brown	Intact	Wood	Negative	1	0.4	0.5
81	3/13/2012 12:36	1.11	mg / cm ^2	Weatherford A	8D		Cabinet	Door	Brown	Intact	Wood	Null	1	0.14	0.89
82	3/13/2012 12:36	1.85	mg / cm ^2	Weatherford A	8D		Cabinet	Door	Brown	Intact	Wood	Negative	1	0.28	0.51

Rd. #	Time	Duration	Units	Site	Room	Side	Component	Feature	Color	Condition	Substrate	Results	Depth	PbC	Error
83	3/13/2012 12:36	1.48	mg / cm ^2	Weatherford A	8	D	Door	Casing	Stained	Intact	Wood	Negative	1	0.14	0.49
84	3/13/2012 12:37	1.86	mg / cm ^2	Weatherford A	8	C	Door		Brown	Intact	Wood	Negative	1	0.14	0.4
85	3/13/2012 12:38	4.45	mg / cm ^2	Weatherford A	8	C	Wall	Corner Board	Stained	Intact	Wood	Negative	1	0.24	0.18
86	3/13/2012 12:38	2.22	mg / cm ^2	Weatherford A	8	C	Window	Casing	Stained	Intact	Wood	Negative	1	0.4	0.5
87	3/13/2012 12:39	1.47	mg / cm ^2	Weatherford A	8	B	Baseboard		Stained	Intact	Wood	Negative	2.18	0.3	0.58
88	3/13/2012 12:41	1.88	mg / cm ^2	Weatherford A	9	A	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
89	3/13/2012 12:41	4.47	mg / cm ^2	Weatherford A	9	B	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
90	3/13/2012 12:41	1.47	mg / cm ^2	Weatherford A	9	C	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
91	3/13/2012 12:41	1.48	mg / cm ^2	Weatherford A	9	D	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
92	3/13/2012 12:42	4.45	mg / cm ^2	Weatherford A	9	D	Wall	stalls	Green	Intact	Wood	Negative	1	0.22	0.2
93	3/13/2012 12:43	2.97	mg / cm ^2	Weatherford A	10	A	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
94	3/13/2012 12:43	1.48	mg / cm ^2	Weatherford A	10	A	Wall		Beige	Intact	Drywall	Negative	3.27	0.01	0.05
95	3/13/2012 12:44	1.48	mg / cm ^2	Weatherford A	10	B	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
96	3/13/2012 12:44	1.48	mg / cm ^2	Weatherford A	10	C	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
97	3/13/2012 12:44	1.48	mg / cm ^2	Weatherford A	10	D	Wall		Beige	Intact	Drywall	Negative	1	0	0.02
98	3/13/2012 12:45	0.74	mg / cm ^2	Weatherford A	11	A	Wall		Beige	Intact	Drywall	N/A	1	0	0.03
99	3/13/2012 12:47	1.49	mg / cm ^2	Weatherford A	11	B	Wall		Beige	Intact	Drywall	Negative	2.36	0.03	0.08
100	3/13/2012 12:47	1.48	mg / cm ^2	Weatherford A	11	C	Wall		Beige	Intact	Drywall	Negative	2.06	0.02	0.06
101	3/13/2012 12:47	1.85	mg / cm ^2	Weatherford A	11	D	Wall		Beige	Intact	Drywall	Negative	1.84	0.01	0.04
102	3/13/2012 12:48	2.22	mg / cm ^2	Weatherford A	11	B	Door	Jamb	Beige	Intact	Metal	Positive	2.63	2.3	0.7
103	3/13/2012 12:48	1.47	mg / cm ^2	Weatherford A	11	B	Door		Beige	Intact	Metal	Negative	1	0	0.03
104	3/13/2012 12:48	2.22	mg / cm ^2	Weatherford A	11	B	Door		Beige	Intact	Metal	Positive	6.03	3.7	1.6
105	3/13/2012 12:52	4.06	mg / cm ^2	Weatherford A	12	A	Wall		White	Poor	Concrete	Negative	2.06	0.6	0.3
106	3/13/2012 12:52	1.48	mg / cm ^2	Weatherford A	12	B	Wall		White	Poor	Concrete	Negative	1.74	0.01	0.04
107	3/13/2012 12:52	2.22	mg / cm ^2	Weatherford A	12	C	Wall		White	Poor	Concrete	Negative	1.36	0.03	0.05
108	3/13/2012 12:52	4.45	mg / cm ^2	Weatherford A	12	D	Wall		White	Poor	Concrete	Negative	3.19	0.01	0.02
109	3/13/2012 12:53	4.44	mg / cm ^2	Weatherford A	12	D	Floor		Black	Poor	Concrete	Negative	1.89	0.8	0.1
110	3/13/2012 12:55	2.96	mg / cm ^2	Weatherford A	13	A	Wall		Stained	Intact	Wood	Negative	1.87	0.4	0.5
111	3/13/2012 12:55	3.7	mg / cm ^2	Weatherford A	13	B	Wall		Stained	Intact	Wood	Negative	1.72	0.6	0.3
112	3/13/2012 12:56	1.48	mg / cm ^2	Weatherford A	13	C	Wall		Stained	Intact	Wood	Negative	10	0.23	0.62
113	3/13/2012 12:56	4.08	mg / cm ^2	Weatherford A	13	D	Wall		Stained	Intact	Wood	Negative	8.01	0.5	0.3
114	3/13/2012 12:57	3.69	mg / cm ^2	Weatherford A	13	B	Wall		White	Intact	Concrete	Negative	3.92	0.5	0.3
115	3/13/2012 12:57	4.09	mg / cm ^2	Weatherford A	13	B	Wall	Conduit	Brown	Intact	Metal	Negative	1.34	0.17	0.05
116	3/13/2012 12:58	1.85	mg / cm ^2	Weatherford A	13	B	Door	Jamb	Beige	Intact	Metal	Positive	2.21	2.9	1
117	3/13/2012 12:58	1.87	mg / cm ^2	Weatherford A	13	B	Door		Beige	Intact	Metal	Positive	3.73	3.2	1.2
118	3/13/2012 13:01	1.48	mg / cm ^2	Weatherford A	14	A	Wall		Wallpaper	Intact	Drywall	Negative	1	0	0.02
119	3/13/2012 13:01	6.29	mg / cm ^2	Weatherford A	14	A	Wall		Brown	Intact	Drywall	Negative	1	0	0.02
120	3/13/2012 13:01	1.86	mg / cm ^2	Weatherford A	14	C	Wall		Wallpaper	Intact	Drywall	Negative	1	0.01	0.02
121	3/13/2012 13:02	1.47	mg / cm ^2	Weatherford A	14	D	Wall		Wallpaper	Intact	Drywall	Negative	1.94	0.02	0.06
122	3/13/2012 13:02	1.11	mg / cm ^2	Weatherford A	14	D	Ceiling		Wallpaper	Intact	Drywall	Negative	1	0	0.02
123	3/13/2012 13:04	5.94	mg / cm ^2	Weatherford A	15	A	Wall		Red	Intact	Brick	Negative	5.41	0.7	0.3

Rd #	Time	Duration	Units	Site	Room	Side	Component	Feature	Color	Condition	Substrate	Results	Depth	PbC	Error
124	3/13/2012 13:05	6.66	mg / cm ^2	Weatherford A	15	B	Wall		Red	Poor	Brick	Null	1.71	1	0.1
125	3/13/2012 13:05	4.42	mg / cm ^2	Weatherford A	15	B	Wall		Red	Poor	Brick	Positive	1.93	1.2	0.2
126	3/13/2012 13:06	1.48	mg / cm ^2	Weatherford A	15	C	Wall		Red	Poor	Brick	Null	5.03	0.6	0.8
127	3/13/2012 13:05	3.7	mg / cm ^2	Weatherford A	13	C	Wall		Red	Poor	Brick	Positive	4.43	1.7	0.4
128	3/13/2012 13:07	2.8	mg / cm ^2	Weatherford A	15	D	Wall		Red	Intact	Wood	Negative	1.39	0.25	0.41
129	3/13/2012 13:10	1.11	mg / cm ^2	Weatherford A	15	A	Window	Bars	Gray	Poor	Metal	Positive	1.36	3.8	1.6
130	3/13/2012 13:13	1.11	mg / cm ^2	Weatherford A	16	A	Wall		Wallpaper	Intact	Drywall	Negative	1.38	0.01	0.05
131	3/13/2012 13:13	0.74	mg / cm ^2	Weatherford A	16	B	Wall		Wallpaper	Intact	Drywall	Negative	1	0.01	0.04
132	3/13/2012 13:13	1.11	mg / cm ^2	Weatherford A	16	C	Wall		Wallpaper	Intact	Drywall	Negative	1.4	0.02	0.05
133	3/13/2012 13:13	1.85	mg / cm ^2	Weatherford A	16	D	Wall		Wallpaper	Intact	Drywall	Negative	2.67	0.03	0.07
134	3/13/2012 13:14	1.86	mg / cm ^2	Weatherford A	16	C	Door	Casing	Gray	Intact	Metal	Negative	1	0	0.02
135	3/13/2012 13:15	1.11	mg / cm ^2	Weatherford A	16	C	Door		Green	Intact	Metal	Negative	1	0	0.02
136	3/13/2012 13:16	4.07	mg / cm ^2	Weatherford A	17	A	Window		Brown	Intact	Drywall	Negative	1.82	0	0.02
137	3/13/2012 13:17	1.48	mg / cm ^2	Weatherford A	17	B	Wall		Brown	Intact	Drywall	Negative	1.15	0	0.02
138	3/13/2012 13:17	1.48	mg / cm ^2	Weatherford A	17	C	Wall		Brown	Intact	Drywall	Negative	1	0	0.02
139	3/13/2012 13:17	1.11	mg / cm ^2	Weatherford A	17	D	Wall		Brown	Intact	Drywall	Negative	1	0	0.02
140	3/13/2012 13:18	1.48	mg / cm ^2	Weatherford A	17	D	Ceiling		White	Intact	Drywall	Negative	1	0	0.02
141	3/13/2012 13:19	1.48	mg / cm ^2	Weatherford A	18	A	Wall		White	Intact	Drywall	Negative	1.27	0	0.02
142	3/13/2012 13:19	4.47	mg / cm ^2	Weatherford A	18	B	Wall		White	Intact	Drywall	Negative	1.89	0	0.02
143	3/13/2012 13:20	1.48	mg / cm ^2	Weatherford A	18	C	Wall		White	Intact	Drywall	Negative	1	0	0.02
144	3/13/2012 13:20	4.45	mg / cm ^2	Weatherford A	18	D	Wall		White	Intact	Drywall	Negative	1	0	0.02
145	3/13/2012 13:20	2.22	mg / cm ^2	Weatherford A	18	A	Baseboard		Stained	Intact	Wood	Negative	3.95	0.27	0.43
146	3/13/2012 13:21	1.85	mg / cm ^2	Weatherford A	18	A	Wall	Corner Board	Stained	Intact	Wood	Negative	1	0.3	0.53
147	3/13/2012 13:21	1.12	mg / cm ^2	Weatherford A	18	D	Door		White	Intact	Wood	Positive	2.22	3.5	1.7
148	3/13/2012 13:22	1.46	mg / cm ^2	Weatherford A	18	D	Door	Jamb	White	Intact	Metal	Positive	4.42	3.3	1.5
149	3/13/2012 13:25	1.48	mg / cm ^2	Weatherford A	19	A	Wall		White	Intact	Drywall	Negative	1	0	0.02
150	3/13/2012 13:25	4.07	mg / cm ^2	Weatherford A	19	B	Wall		White	Intact	Drywall	Negative	1.32	0	0.02
151	3/13/2012 13:25	1.49	mg / cm ^2	Weatherford A	19	C	Wall		White	Intact	Drywall	Negative	1	0	0.02
152	3/13/2012 13:26	4.08	mg / cm ^2	Weatherford A	19	D	Wall		White	Intact	Drywall	Negative	1	0	0.02
153	3/13/2012 13:26	1.48	mg / cm ^2	Weatherford A	19	D	Ceiling		White	Intact	Drywall	Negative	1	0	0.02
154	3/13/2012 13:27	4.07	mg / cm ^2	Weatherford A	19	C	Ceiling	Crown Mold	Stained	Intact	Wood	Negative	1.07	0.27	0.2
155	3/13/2012 13:27	1.48	mg / cm ^2	Weatherford A	19	B	Baseboard		Stained	Intact	Wood	Negative	1	0	0.02
156	3/13/2012 13:32	6.2	mg / cm ^2	Weatherford A	20	A	Wall		White	Intact	Brick	Positive	2.75	1.2	0.2
157	3/13/2012 13:32	2.6	mg / cm ^2	Weatherford A	20	B	Wall		White	Intact	Brick	Negative	1.19	0.01	0.02
158	3/13/2012 13:33	2.22	mg / cm ^2	Weatherford A	20	C	Wall		White	Intact	Brick	Negative	1	0	0.02
159	3/13/2012 13:33	4.03	mg / cm ^2	Weatherford A	20	D	Wall		White	Intact	Brick	Positive	2.81	1.3	0.2
160	3/13/2012 13:34	1.85	mg / cm ^2	Weatherford A	20	D	Ceiling		White	Intact	Drywall	Negative	1.39	0.01	0.03
161	3/13/2012 13:36	4.09	mg / cm ^2	Weatherford A	21	A	Wall		Beige	Intact	Brick	Negative	1	0.04	0.02
162	3/13/2012 13:36	2.6	mg / cm ^2	Weatherford A	21	B	Wall		Beige	Intact	Brick	Negative	1.32	0.05	0.05
163	3/13/2012 13:37	1.86	mg / cm ^2	Weatherford A	21	C	Wall		Beige	Intact	Brick	Negative	1.61	0.06	0.08
164	3/13/2012 13:38	8.52	mg / cm ^2	Weatherford A	21	D	Wall		Brown	Poor	Brick	Null	4.35	0.9	0.2

Rd #	Time	Duration	Units	Site	Room	Side	Component	Feature	Color	Condition	Substrate	Results	Depth	PbC	Error
165	3/13/2012 13:39	8.9	mg / cm ^2	Weatherford A	21	D	Wall		Brown	Poor	Brick	Null	4.24	1	0.2
166	3/13/2012 13:39	21.15	mg / cm ^2	Weatherford A	21	D	Wall		Brown	Poor	Brick	Null	4.23	1	0.1
167	3/13/2012 13:40	12.96	mg / cm ^2	Weatherford A	21	D	Wall		Brown	Poor	Brick	Null	4.19	1	0.1
168	3/13/2012 13:40	2.23	mg / cm ^2	Weatherford A	21	D	Wall		Brown	Poor	Brick	Positive	2.49	1.6	0.2
169	3/13/2012 13:43	2.59	mg / cm ^2	Weatherford A		B	Wall		Red	Intact	Brick	Negative	1.18	0.08	0.08
170	3/13/2012 13:44	3.34	mg / cm ^2	Weatherford A	IFR	C	Wall		Red	Intact	Brick	Negative	1	0.5	0.3
171	3/13/2012 13:48	2.59	mg / cm ^2	Weatherford A	Exterior	A	Door	Casing	White	Fair	Concrete	Negative	2.38	0.01	0.04
172	3/13/2012 13:49	2.96	mg / cm ^2	Weatherford A	Exterior	IA	Wall	Trim	White	Poor	Concrete	Negative	1	0	0.02
173	3/13/2012 13:49	3.72	mg / cm ^2	Weatherford A	Exterior	A	Window	Sill	White	Poor	Concrete	Negative	2.59	0.6	0.4
174	3/13/2012 13:51	4.07	mg / cm ^2	Weatherford A	Exterior	A	Wall	Sign	White	Poor	Concrete	Negative	3.59	0.6	0.3
175	3/13/2012 13:52	2.58	mg / cm ^2	Weatherford A	Exterior	B	Wall	Downspout	White	Poor	Metal	Negative	9.55	0.3	0.49
176	3/13/2012 13:52	2.59	mg / cm ^2	Weatherford A	Exterior	B	Door	Jamb	White	Poor	Metal	Negative	10	0.3	0.46
177	3/13/2012 13:54	0.74	mg / cm ^2	Weatherford A	Exterior	B	Door	Gaurd	White	Poor	Metal	Null	1.57	0.02	0.1
178	3/13/2012 13:54	0.75	mg / cm ^2	Weatherford A	Exterior	B	Door	Gaurd	White	Poor	Metal	Null	4.78	0.07	0.31
179	3/13/2012 13:55	1.84	mg / cm ^2	Weatherford A	Exterior	B	Door	Gaurd	White	Poor	Metal	Negative	1.42	0.02	0.04
180	3/13/2012 13:56	1.84	mg / cm ^2	Weatherford A	Exterior	C	Door	Casing	Red	Fair	Metal	Negative	1	0	0.02
181	3/13/2012 13:57	2.3	mg / cm ^2	Weatherford A	Exterior	D	Window	Board	Beige	Poor	Wood	Positive	5.3	2.5	1
182	3/13/2012 13:58	4.09	mg / cm ^2	Weatherford A	Exterior	D	Window	Bars	Beige	Poor	Wood	Null	3.89	1	0.3
183	3/13/2012 13:59	2.59	mg / cm ^2	Weatherford A	Exterior	D	Window	Bars	Beige	Poor	Wood	Positive	3.02	1.7	0.8
184	3/13/2012 14:01	1.86	mg / cm ^2	Weatherford A	Exterior	D	Wall	Support	Beige	Poor	Metal	Negative	1.17	0.04	0.05
185	3/13/2012 14:01	4.07	mg / cm ^2	Weatherford A	Exterior	D	Wall	Support	Beige	Poor	Wood	Negative	1	0.24	0.21
186	3/13/2012 14:03	1.05	mg / cm ^2	Weatherford A	Exterior	B	Window		Beige	Poor	Metal	Positive	4.61	3.3	1.4
187	3/13/2012 14:05	20.77	mg / cm ^2	Weatherford A	calibrate						Metal	Positive	1.08	1	0.1
188	3/13/2012 14:06	20.77	mg / cm ^2	Weatherford A	calibrate						Metal	Positive	1.07	1	0.1
189	3/13/2012 14:07	20.77	mg / cm ^2	Weatherford A	calibrate						Metal	Positive	1.05	1	0.1
190	3/13/2012 15:11	1.86	mg / cm ^2	Weatherford A	calibrate							Null	1.07	1	0.3
191	3/13/2012 15:12	20.83	mg / cm ^2	Weatherford A	calibrate							Positive	1.06	1	0.1
192	3/13/2012 15:13	20.84	mg / cm ^2	Weatherford A	calibrate							Positive	1.04	1	0.1
193	3/13/2012 15:13	20.44	mg / cm ^2	Weatherford A	calibrate							Positive	1.1	1	0.1
194	3/13/2012 15:18	2.3	mg / cm ^2	Weatherford A		1	Ceiling	Beam	Silver	Intact	Metal	Positive	1.13	1.3	0.3
195	3/13/2012 15:19	2.6	mg / cm ^2	Weatherford A		1	Ceiling	C. member	Silver	Intact	Metal	Positive	1.24	1.3	0.3
196	3/13/2012 15:19	1.09	mg / cm ^2	Weatherford A		1	Ceiling	Brace	Silver	Intact	Metal	Positive	1.15	1.3	0.5
197	3/13/2012 15:22	0.37	mg / cm ^2	Weatherford A		1	Ceiling	truse	Silver	Intact	Metal	Null	1	0	0.05
198	3/13/2012 15:22	4.07	mg / cm ^2	Weatherford A		1	Ceiling	truse	Silver	Intact	Metal	Negative	1	0.01	0.02
199	3/13/2012 15:30	20.76	mg / cm ^2	Weatherford A	calibrate							Positive	1.09	1	0.1
200	3/13/2012 15:31	20.46	mg / cm ^2	Weatherford A	calibrate							Positive	1.05	1	0.1
201	3/13/2012 15:31	20.42	mg / cm ^2	Weatherford A	calibrate							Positive	1.05	1	0.1

APPENDIX B



223 West Rainey Avenue, Weatherford, OK
73096



Rd. 5-9, Room 01, Walls



Rd. 5-9, Room 01, Walls



Rd.16, Room 01, Hand Rail



Rd. 17, Room 01 Steps



Rd. 19-20, Room 01 Doors and Frame, 2 Doors
83" x 37"



Rd. 21-22, Room 01 Conduit



Rd. 23-24, Room 01 Overhead Door, 9' x 10'



Rd. 26, Room 01 Window 38' x 112"



Rd. 27, Room 01 Door Frame, "84 x 36"



Rd. 31, Room 02 Wall



Rd. 34-36, Room 03 Walls



Rd. 39, Room 03 Wall



Rd. 40-41, Room 03 Door and Frame 84" x 36"



Rd. 53-54, Room 04, Door and Frame "84 x 48"



Rd. 55-56, Room 04, Door and Frame, 84" x 36"



Rd. 64, Room 05, Wall



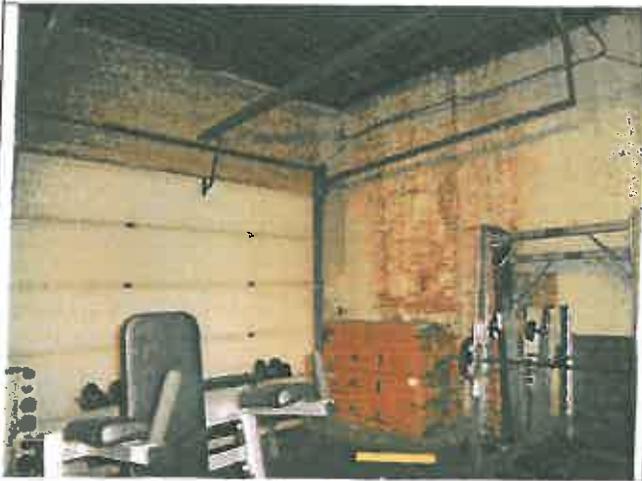
Rd. 71, Room 05, Bars on Window



Rd. 104, Room 11, Door Frame 84" x 28"



Rd. 116-117, Room 13, Door and Frame 84" x 36"



Rd. 125, 127, Room 15, Walls



Rd. 147-148, Room 18, Door and Frame, 84" x 36"



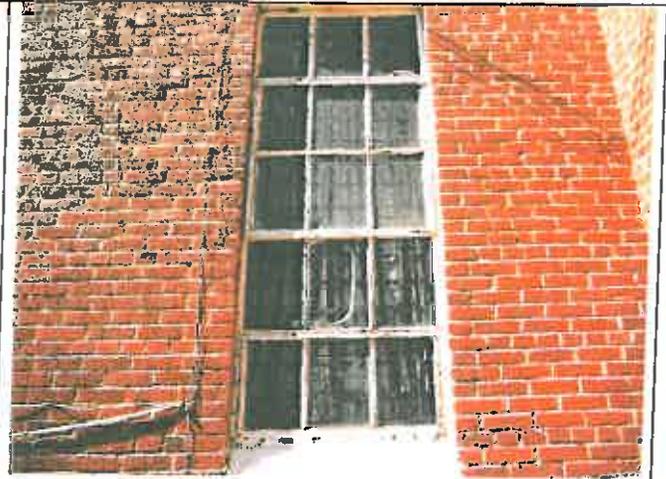
Rd. 156, 159, Room 20, Walls



Rd. 168, Room 21, Walls



Rd. 181,183, Exterior, IFR Vent, Wood and Bars

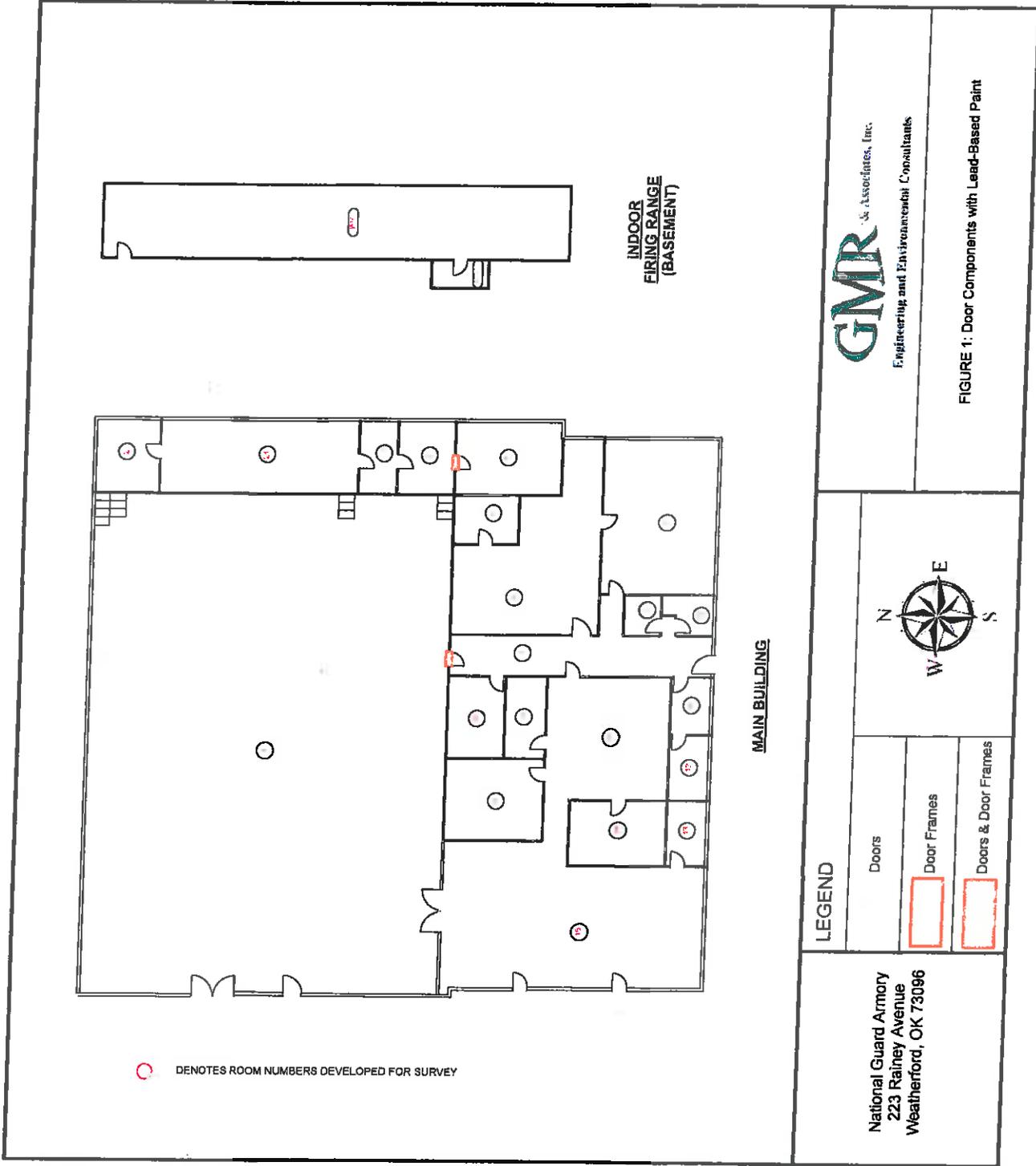


Rd. 186, Exterior Window, 38" x 112



Rd. 194-196, Room 01, Beams, Joist, Braces

APPENDIX C



○ DENOTES ROOM NUMBERS DEVELOPED FOR SURVEY

INDOOR
FIRING RANGE
(BASEMENT)

MAIN BUILDING

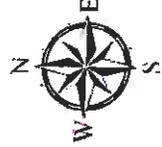
LEGEND

National Guard Armory
223 Rainey Avenue
Weatherford, OK 73096

Doors

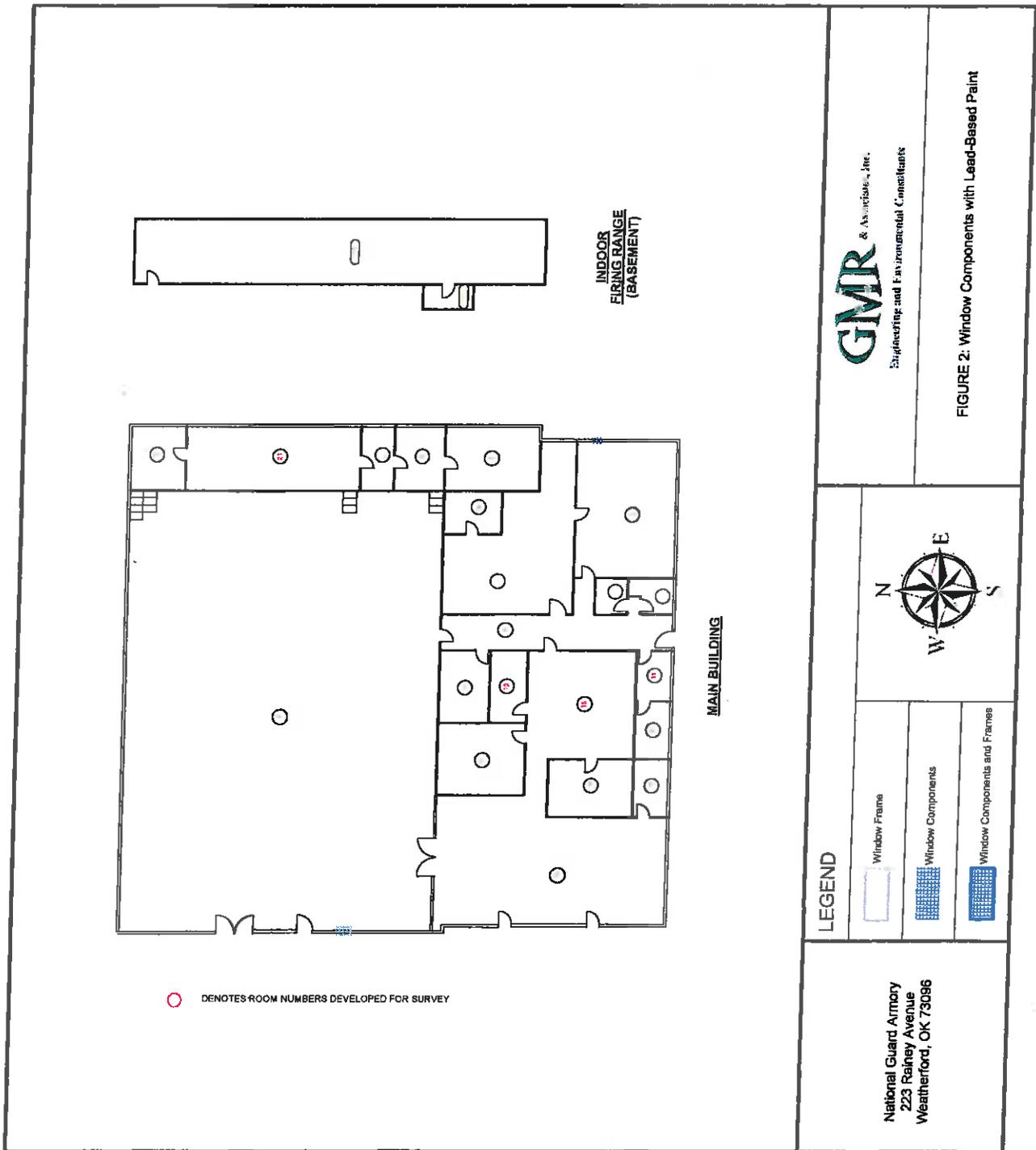
Door Frames

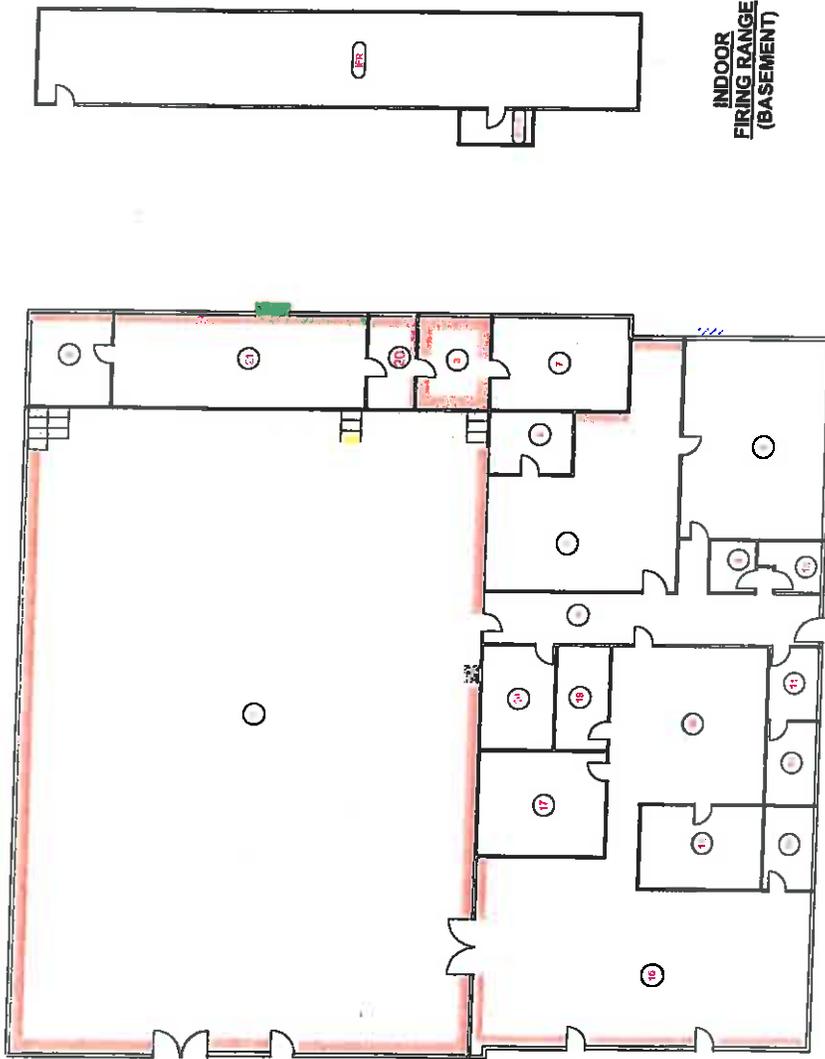
Doors & Door Frames



GMR
& Associates, Inc.
Engineering and Environmental Consultants

FIGURE 1: Door Components with Lead-Based Paint





○ DENOTES ROOM NUMBERS DEVELOPED FOR SCORDEY

**INDOOR
FIRING RANGE
(BASEMENT)**

MAIN BUILDING

LEGEND

Dent Boards

Steps

Window Bars

Conduit

Ceiling Beams

Walls



GMR
AN ASSOCIATE OF
Engineering & Construction, Inc.

FIGURE 3: Miscellaneous Lead-Based Paint Locations

National Guard Armory
223 Rainey Avenue
Weatherford TX 73096

APPENDIX D

Department of Environmental Quality

JEFFERY BURGER

INSPECTOR/RISK ASSESSOR

Certification #: OIKR\SR13639

Issued on: 6/9/2011

Expires on: 3/31/2012


Division Director
Air Quality Division




Environmental Programs Manager
Air Quality Division

Department of Environmental Quality

This is to certify that

BASIN ENVIRONMENTAL

has met the specifications of the Oklahoma Lead-Based Paint Management Act and is certified as a Lead-Based Paint

FIRM

Certification #: OKFIRM13434

This certificate is valid from the date of issuance and expires as prescribed by law

Issued on: **4/1/2011**

Expires on: **3/31/2012**



Division Director
Air Quality Division





Environmental Programs Manager
Air Quality Division

APPENDIX E

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLP 300

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A and XLI 303A.

XLP 300A, XLP 301A, XLP 302A and XLP 303A.

XLI 700A, XLI 701A, XLI 702A and XLI 703A.

XLP 700A, XLP 701A, XLP 702A, and XLP 703A.

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

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, this 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, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

APPENDIX F

Serial Number: 10713

Model: XLp703A

Software: 5.2D

Date of Q.C.: 4/14/2011

Resolution: 379.84

Escale: 4.07

Source: Cd-109

Inspector: JC

K+L Mode 20 Second readings each

Std	L	Lerr	K	Kerr	DI	L Status	K Status
1.0 Surface Wood-1	1.10	0.10	0.90	0.30	1.0	OK	OK
1.0 Surface Wood-2	1.00	0.10	0.90	0.30	1.1	OK	OK
1.0 Buried Wood-1	1.10	0.10	0.80	0.30	2.4	OK	OK
1.0 Buried Wood-2	1.10	0.10	0.80	0.30	2.3	OK	OK
Blank Wood-1	0.00	0.02	0.13	0.22	2.6	OK	OK
Blank Wood-2	0.01	0.02	0.04	0.22	1.0	OK	OK
3.5 Surface Wood-1	3.70	0.20	3.30	0.40	1.3	OK	OK
3.5 Surface Wood-1	3.60	0.20	3.20	0.40	1.3	OK	OK
0.3 Surface Concrete-1	0.30	0.03	0.10	0.37	1.0	OK	OK
0.3 Surface Concrete-2	0.29	0.03	0.21	0.38	1.0	OK	OK
Steel-1	0.00	0.02	0.07	0.34	1.0	OK	OK
Steel-2	0.00	0.02	0.10	0.35	1.0	OK	OK
Pure Pb-1	10.10	1.30	84.80	1.90	1.7	OK	OK
Pure Pb-2	10.10	1.30	86.30	1.90	1.6	OK	OK
1.0 Surface Drywall-1	1.00	0.10	1.10	0.30	1.1	OK	OK
1.0 Surface Drywall-2	1.00	0.10	0.90	0.30	1.0	OK	OK

STD Mode Readings

Std	Time	Result
Drywall-1	1.83	0.01 OK
Drywall-2	1.81	0.03 OK
French Plaster-1	1.22	0.01 OK
French Plaster-2	1.81	0.01 OK

This certificate is issued in accordance with Thermo Fisher Scientific factory specifications.
The measurements were found to be within specification limits at the time of service and calibration.

Standards are traceable to National Institute of Standards & Technology (NIST) standards.

** - Not Certified

Signed:



Unit Serial Number: 10713 Model: XLp 703AW Software: 52D Date of C.C.: 4/14/2011
Resolution: 388.02 Scale: 4.07 Source: Cd-109 Inspector: JC

Run 1 reading per sample for 90 seconds
Elements that are in blue **EQLOD** must be recorded
NA = Not Available

Elements not in blue need not be detected but record if they are

NIST HIGH 2710	Certified	Low	High	Measured	Err	
Mo	19	10	40	13.909	3.237	OK
Zr	NR			186.265	13.2	
Sr	330	280	380	313.754	12.839	OK
Rb	120	80	160	118.77	8.98	OK
Pb	5532	5400	5700	5567.199	101.251	OK
Se	NA	-60	60	5.046	12.273	OK
As	628	510	750	633.69	78.88	OK
Hg	32.6	0	50	25.4	22.7	OK
Zn	6932	6700	7250	7024.19	128.47	OK
Cu	2660	2700	3200	2848.41	100.63	OK
Ni	14.3	-50	150	24.23	85.19	OK
Co	10	-270	270	-99.05	178.316	OK
Fe	33900	31500	35500	33856.727	533.717	OK
Mn	10100	9500	11000	10206.4	418.0	OK
Cr	99	-100	120	56.51	309.327	OK

SiO2 (Blank)	Certified	Low	High	Measured	Err	
Mo	0	-10	10	0.134	1.328	OK
Zr	0	-10	10	1.346	2.125	OK
Sr	<0.10	-10	210	0.184	1.363	OK
Rb	0	-200	210	-0.697	1.247	OK
Pb	0	-20	20	-6.976	5.550	OK
Se	0	-10	10	-6.635	3.681	OK
As	0	-10	10	-0.459	4.04	OK
Hg	0	-10	10	-2.999	6.61	OK
Zn	0	-20	20	-2.256	13.51	OK
Cu	0	-30	30	1.616	15.285	OK
Ni	0	-50	50	6.444	22.567	OK
Co	0	-50	50	-8.063	16.813	OK
Fe	0	-100	300	0.944	28.587	OK
Mn	0	-70	70	23.163	33.685	OK
Cr	0	-120	120	-37.304	64.563	OK

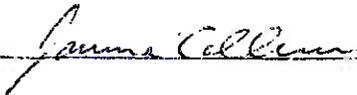
NIST LOW	Certified	Low	High	Measured	Err	
Mo	2	-10	10	2.488	2.301	OK
Zr	160	115	210	183.048	10.585	OK
Sr	231	180	300	208.751	8.748	OK
Rb	96	60	115	74.47	5.62	OK
Pb	18.9	0	35	5.703	8.122	OK
Se	1.57	-30	30	-4.06	5.11	OK
As	17.7	0	35	18.43	7.39	OK
Hg	1.4	-10	10	8.6	9.5	OK
Zn	106	60	160	77.12	21.28	OK
Cu	34.6	0	60	42.85	23.35	OK
Ni	68	25	150	58.41	45.22	OK
Co	13.4	-250	250	130.63	135.709	OK
Fe	39000	25000	39000	26601.057	399.967	OK
Mn	538	0	700	614.1	185.0	OK
Cr	130	60	200	191.195	173.878	OK

RCRA	Certified*	Low	High	Measured	Err	
Mo	NA					OK
Zr	NA					OK
Sr	NA					OK
Rb	NA					OK
Pb	500	350	600	489.947	34.443	OK
Se	500	400	600	515.261	22.438	OK
As	500	300	600	441.657	30.442	OK
Hg	NA					OK
Zn	NA					OK
Cu	NA					OK
Ni	NA					OK
Co	NA					OK
Fe	NA					OK
Mn	NA					OK
Cr	200	200	600	481.544	241.123	OK

This certificate is issued in accordance with Thermo Fisher Scientific factory specifications. The measurements were found to be within specification limits at the time of service and calibration.

Standards are traceable to National Institute of Standards & Technology (NIST) standards
* - Not Certified

Signed:



Unit #: 10713 Model: XLp 703A Date: 4/15/2011 Software: 5.2D-Dual
 Res: 383.7 Escal: 4.07 Source: Cd-109 Inspector: JC

Thin Film QC Sheet (1 reading at 30 seconds each sample)

Element:	Cert:	Read:	Error	OK?
Pb	51.7	54.47	2.74	OK
As	24.6	24.7	0.92	OK
Ni	40.4	42.72	2.21	OK
Cr	42.6	44.49	3.69	OK

37mm QC Readings (3 readings at 30 seconds each)

Element:	Cert:	Read:	Error	OK?
Pb	42	39.79	9.05	OK

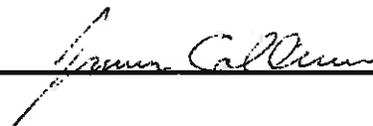
Dust Wipe QC Readings (Pb only) (4 readings at 30 seconds each)

Wipe Type:	Cert:	Read:	Error	OK?
Blank:	N/A	0.91	1.61	OK
Dust Low:	34-51	43.12	10.1	OK
Dust High:	356-534	480.8	38.5	OK

This certificate is issued in accordance with Thermo Fisher Scientific factory specifications.
 The measurements were found to be within specification limits at the time of manufacture and calibration.

** - Not Certified

Signed:



Appendix J: Military Records

WINCASS Management Report

WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98

FINDING REFERENCE:

TEAM GUIDE SECTION: Storage Tank Management

URC: ST.003.01.SUPP.OK05 01

REFERENCE NUMBER: D024

SUMMARY CONDITION STATEMENT:

UST closure report has not been submitted to OCC

REGULATORY CITATION: OAC 165:25-3-15

REGULATORY REQUIREMENT:

A UST closure report must be submitted to OCC 45 days following tank closure.

RANK: Statutory Class I Major

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

According to armory personnel, an UST was removed from the west side of the armory in 1993 or 1994 by OKARNG Engineering Department (ED) personnel. The former location of the UST is evident by a subtle sagging of soil and grass. Closure records for this UST are not available at the facility.

In the past the ED has removed a number of USTs at state-owned facilities such as armories. The ED provided the personnel and the equipment to perform the removal of inactive USTs. Many of these USTs were regulated tanks which had been taken out of service many years prior, but were not permanently closed. Although the ED has kept records of all disposal and site characterization sampling results, closure documents have not been submitted to the OCC for these tanks.

PP: Not Applicable.

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

TEAM GUIDE SECTION: Storage Tank Management

URC: ST.003.01.SUPP.OK05 01

REFERENCE NUMBER: D024

BACKGROUND SITE INFORMATION:

Type: UST
Size: 1000 gal
Content(Product): MOGAS
Installation Date: 01/01/76
Not Applicable: No
Further Research: Yes

ROOT CAUSE: Personnel do not consistently follow Installation-specific environmental policies and/or procedures.

Root Cause Assessor Comment: Although the ED personnel are aware of the requirement to submit closure documents to the OCC and have done so for federally-owned tanks, the ED did not consistently follow procedures and submit the required closure report.

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:
Has finding been addressed before? No Explain:
Previous NOV? No Explain:
If mathematical sampling was used: Total Sample Number:
Number of Occurrences:
Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

URC: ST.003.01.SUPP.OK05 01 **REFERENCE NUMBER:** D024

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative: Complete appropriate UST closure forms and submit to OCC.

Cost: Procedural

SELECTED CORRECTIVE ACTION:

ESTIMATED COST:

STATUS: Open

STATUS DATE:

GOAL DATE:

STATE REPRESENTATIVE:

REVIEWER NAME:

PHONE:

REVIEW DATE:

IRF COMMENTS:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

TEAM GUIDE SECTION: Hazardous Materials

URC: HM.001.03.TEAM.0000 02

REFERENCE NUMBER: D025

SUMMARY CONDITION STATEMENT:

Containers of hazardous chemicals are not properly labeled

REGULATORY CITATION: 29 CFR 1910.1200(b)(3)(i), 1910.1200(b)(4)(i), 1910.1200(b)(5), and 1910.1200(f)(5) through 1910.1200(f)(7)

REGULATORY REQUIREMENT:

Containers of hazardous chemicals in the workplace are required to be labeled, tagged, or marked with specific information.

TYPE OF ISSUE: Health and Safety

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

An unlabeled 5-gallon can of red paint is located on a shelf along the west wall of the Armory utility room. The can of paint is at least half full and is still usable by facility personnel.

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

TEAM GUIDE SECTION: Hazardous Materials

URC: HM.001.03.TEAM.0000 02

REFERENCE NUMBER: D025

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:

Has finding been addressed before? No Explain:

Previous NOV? No Explain:

If mathematical sampling was used: Total Sample Number:
Number of Occurrences:
Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

URC: HM.001.03.TEAM.0000 02 **REFERENCE NUMBER:** D025

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative:

Cost:

SELECTED CORRECTIVE ACTION:

ESTIMATED COST:

STATUS: Open

STATUS DATE:

GOAL DATE:

STATE REPRESENTATIVE: Brent Shumard

REVIEWER NAME: Brent Shumard

PHONE: (405) 425-8699

REVIEW DATE: 10/07/1997

IRF COMMENTS:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

TEAM GUIDE SECTION: Hazardous Waste Management

URC: HW.010.01.TEAM.0000.04

REFERENCE NUMBER: D026

SUMMARY CONDITION STATEMENT:

A container of unknown waste material is not characterized as to potential classification as hazardous waste

REGULATORY CITATION: 40 CFR 261.3, 261.4(b), 261.21 through 261.24, and 262.11 [June 1995]

REGULATORY REQUIREMENT:

Installations/CW facilities that generate solid wastes must determine if the wastes are hazardous wastes.

RANK: Statutory Class I Major

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

A 55-gallon drum is located outside along the north wall of the Armory on OKARNG property. The drum is open and approximately one-quarter full of liquid. Facility personnel are not certain how the drum arrived at the Armory. It is possible that the drum was left by a roofing contractor working on the Armory or adjacent businesses which are now closed. The liquid does not have a noticeable odor and may simply be rainwater.

PP: Conduct inspections of potential storage areas to ensure that all containers are labeled. Regular inspections can help ensure that unlabeled containers are identified before personnel forget the contents or transfer from the facility. Ensure that personnel properly label any materials that are transferred to new containers.

WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98

FINDING REFERENCE:

TEAM GUIDE SECTION: Hazardous Waste Management

URC: HW.010.01.TEAM.0000 04

REFERENCE NUMBER: D026

BACKGROUND SITE INFORMATION:

Generator Size: Conditionally Exempt Small Quantity Generator (CESQG)

Basis of Determination: Based on discussions with facility personnel and a review of waste disposal records, the facility generates less than 100 kg of hazardous waster per month.

Not Applicable: No

Further Research: No

ROOT CAUSE: Environmental managment plans and/or procedures are not established.

Root Cause Assessor Comment: Since there is no HWMP, facility personnel at the armory are not aware of proper waste characterization requirements.

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:

Has finding been addressed before? No Explain:

Previous NOV? No Explain:

If mathematical sampling was used: Total Sample Number:
Number of Occurrences:
Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

URC: HW.010.01.TEAM.0000 04 **REFERENCE NUMBER:** D026

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative: Characterize all wastes to determine whether they are hazardous. Provide proper labels on containers and dispose of waste accordingly.

Cost: \$1,200/sample and analysis; \$500/drum disposal

SELECTED CORRECTIVE ACTION:

Characterize all wastes to determine whether they are hazardous. Provide proper labels on containers and dispose of waste accordingly.

ESTIMATED COST: \$1,200/sample and analysis; \$500/drum disposal

STATUS: Open

STATUS DATE:

GOAL DATE: 12/31/1997

STATE REPRESENTATIVE: Brent Shumard

REVIEWER NAME: Brent Shumard

PHONE: (405) 425-8699

REVIEW DATE: 10/17/1997

IRF COMMENTS:

Attempt to determine origin and contents of drum. Ensure that drum can be closed, and is not leaking. If original owner not determined label as "unknown" and turn in to servicing OMS.

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

TEAM GUIDE SECTION: Hazardous Waste Management

URC: HW.010.01.TEAM.0000 15

REFERENCE NUMBER: D027

SUMMARY CONDITION STATEMENT:

Lead-containing material from a firing range has not been characterized as to potential classification as hazardous waste

REGULATORY CITATION: 40 CFR 261.3, 261.4(b), 261.21 through 261.24, and 262.11 [June 1995]

REGULATORY REQUIREMENT:

Installations/CW facilities that generate solid wastes must determine if the wastes are hazardous wastes.

RANK: Statutory Class I Major

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

Sand from the indoor range has not been characterized to determine if it is hazardous. The indoor range is located in the basement of the Armory. The range is inactive and has not been used for nearly ten years. Wooden boxes containing sand and other debris are stacked underneath the backstop on top of a layer of sand. The boxes filled with sand were used when the range was active. Facility personnel currently fire weapons at Ft. Sill and no longer need the indoor range at the Armory.

PP: Lead in the sand can be collected for recycling.

WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98

FINDING REFERENCE:

TEAM GUIDE SECTION: Hazardous Waste Management

URC: HW.010.01.TEAM.0000 15

REFERENCE NUMBER: D027

BACKGROUND SITE INFORMATION:

Generator Size: Conditionally Exempt Small Quantity Generator (CESQG)

Basis of Determination: Based on discussions with facility personnel and review of waste disposal records, the facility generates less than 100 kg of hazardous waste per month.

Not Applicable: No

Further Research: No

ROOT CAUSE: Appropriate review and follow-up of self-assessment and/or inspection program are not conducted.

Root Cause Assessor Comment: Although this has been a previous finding during the initial ECAS and the ICAS, the Environmental Branch has not prioritized this finding or allocated funding.

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:

Has finding been addressed before? Yes Explain: Previous finding during both the 1992 ECAS and the 1996 ICAS

Previous NOV? No Explain:

If mathematical sampling was used: Total Sample Number:

Number of Occurrences:

Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

FINDING REFERENCE:

URC: HW.010.01.TEAM.0000 15 **REFERENCE NUMBER:** D027

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative: Properly close the firing range in accordance with state and federal closure requirements. Characterize and dispose of all lead-contaminated waste.

Cost: \$50,000

SELECTED CORRECTIVE ACTION:

Properly close the firing range in accordance with state and federal closure requirements. Characterize and dispose of all lead-contaminated waste.

ESTIMATED COST: \$50,000

STATUS: Open

STATUS DATE:

GOAL DATE: 06/30/1998

STATE REPRESENTATIVE: Brent Shumard

REVIEWER NAME: Brent Shumard

PHONE: (405) 425-8699

REVIEW DATE: 10/17/1997

IRF COMMENTS:

It is OMD/OKARNG policy that firing ranges will not be used for other purposes until the area is sampled and tested for lead contamination, and if necessary, remediated for lead contamination.

WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98

ISSUE REFERENCE:

TEAM GUIDE SECTION: Water Quality Management

URC: WQ.004.01.ARNG.RR00 01

REFERENCE NUMBER: D028

SUMMARY CONDITION STATEMENT:

Risk Reduction for Water Quality Management.

REGULATORY CITATION: Risk Reduction

REGULATORY REQUIREMENT:

Although not identified as findings of non-compliance, facilities should take all practicable measures to reduce their risk of exposure to environmental liability in the area of Water Quality Management.

TYPE OF ISSUE: Risk Reduction

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

There are four monitoring wells located at the Armory. They are located near the four corners of the Armory building. Two wells are located on the west side and east side of the Armory, respectively. According to facility personnel, these monitoring wells are unrelated to Armory operations, and were installed two to three years ago to aid in determining the source of a leaking underground storage tank from one of four nearby service stations. It was not apparent whether these service stations are still in operation. All four wells are fitted with well covers. It is not known if the wells are locked. Facility personnel do not know of the monitoring frequency of the wells, nor of any past analytical results or even the future use of the wells. The Armory once had a MOGAS tank in this same vicinity, which was removed prior to 1994. The Environmental Branch was not aware of the status of these wells.

PP: Contact the contractor who installed the wells on the facility's property and determine their future status. Facility personnel should also determine if the wells are locked and request that the wells be properly abandoned at the end of their intended use.

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

TEAM GUIDE SECTION: Water Quality Management

URC: WQ.004.01.ARNG.RR00 01

REFERENCE NUMBER: D028

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:

Has finding been addressed before? No Explain:

Previous NOV? No Explain:

If mathematical sampling was used: Total Sample Number:
Number of Occurrences:
Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

URC: WQ.004.01.ARNG.RR00 01 **REFERENCE NUMBER:** D028

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative:

Cost:

SELECTED CORRECTIVE ACTION:

Contact the party or parties responsible for the installation of the wells, and determine their current and future status.

ESTIMATED COST: Procedural

STATUS: Open

STATUS DATE:

GOAL DATE: 03/01/1998

STATE REPRESENTATIVE: Brent Shumard

REVIEWER NAME: Brent Shuamrd

PHONE: (405) 425-8699

REVIEW DATE: 10/02/1997

IRF COMMENTS:

Monitor wells (temp): MW-15, NW ; MW-104, NE; MW -18, SE; MW-103,SW. Low level gasoline contamination in MW-15. Gasoline plume to NW, moving SE. Bentley Env. Eng. w/o OKCC on how to remediate GW.

WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98

ISSUE REFERENCE:

TEAM GUIDE SECTION: Other Environmental Issues - Pollution Prevention

URC: O4.001.19.ARNG.0000 07

REFERENCE NUMBER: D029

SUMMARY CONDITION STATEMENT:

Facility stores hazardous materials in excess of operational requirements

REGULATORY CITATION: ARNG 200-xxx, Chapter 2-2(a)(18) and 2-2(a)(19)

REGULATORY REQUIREMENT:

Pollution prevention principles must be incorporated into ARNG operations and training.

TYPE OF ISSUE: Pollution Prevention

FACILITY/CONDITION INFORMATION:

FACILITY NAME AND TYPE: Weatherford Armory, Armory

FISP NUMBER/INSTALLATION NUMBER: 40455

DATE ASSESSED: 07/28/97

FACILITY SPECIFIC DETAILS:

About five half-pint containers of a sealing compound are located in the indoor range in the basement of the Armory. The sealing compound is left over from a former mission using 8-inch artillery (M203 tracked vehicles). The mission changed to rocket launchers several years ago. Some of the cans are beginning to rust. Facility personnel have made no effort to turn the sealing compound in to the USP&FO.

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

TEAM GUIDE SECTION: Other Environmental Issues - Pollution Prevention

URC: O4.001.19.ARNG.0000 07

REFERENCE NUMBER: D029

MISCELLANEOUS INFORMATION:

Tenant Organization: No Explain:

Has finding been addressed before? No Explain:

Previous NOV? No Explain:

If mathematical sampling was used: Total Sample Number:
Number of Occurrences:
Size Sampled:

**WINCASS MANAGEMENT REPORT
OKLAHOMA ARMY NATIONAL GUARD
05/08/98**

ISSUE REFERENCE:

URC: O4.001.19.ARNG.0000 07 **REFERENCE NUMBER:** D029

CORRECTIVE ACTION PROCESS:

PROPOSED CORRECTIVE ALTERNATIVE(S):

Alternative:

Cost:

SELECTED CORRECTIVE ACTION:

ESTIMATED COST:

STATUS: Open

STATUS DATE:

GOAL DATE:

STATE REPRESENTATIVE: Brent Shumard

REVIEWER NAME: Brent Shumard

PHONE: (405) 425-8699

REVIEW DATE: 10/03/1997

IRF COMMENTS:

Appendix K: Oklahoma Corporation Commission Records

Weatherford Armory UST Closure Report

Notification for Underground Storage Tanks	STATE USE ONLY
State Agency Name and Address:	ID NUMBER <u>0-605800</u>
TYPE OF NOTIFICATION	DATE RECEIVED
<input type="checkbox"/> A. NEW FACILITY <input type="checkbox"/> B. AMENDED <input checked="" type="checkbox"/> C. CLOSURE _____ No. of tanks at facility _____ No. of continuation sheets attached	A. Date Entered into Computer _____ B. Data Entry Clerk Initials _____ C. Owner Was Contacted to Clarify Responses. Comments _____ _____ _____
INSTRUCTIONS	
Please type or print in ink all items except "signature" in section V. This form must be completed for each location containing underground storage tanks. If more than five (5) tanks are owned at this location, photocopy the following sheets, and staple continuation sheets to the form.	

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonable available records, or in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use

c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status (only amended tank information needs to be included)

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel; and 2. industrial solvents, pesticides, herbicides or fumigants

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes.

2. tanks used for storing heating oil for consumptive use on the premises where stored.

- 3. septic tanks;
- 4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1975; or which is an intrastate pipeline facility regulated under State laws.
- 5. surface impoundments, pits, ponds, or lagoons
- 6. storm water or waste water collection systems.
- 7. flow-through process tanks
- 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations.
- 9. storage tanks situated in an underground area (such as a basement, cell, mine, shaft, or tunnel) if the storage tank is situated below or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit) and 14.7 pounds per square inch absolute.

Where To Notify? Send completed forms to:

Oklahoma Corporation Commission
Underground Storage Tank Program
Jim Thorpe Building
Room 240
Oklahoma City, OK 73105

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use. 3. If the State requires notification of any amendments to facility information to State agency immediately.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

I. OWNERSHIP OF TANK(S)

II. LOCATION OF TANK(S)

If required by State, give the geographic location of tanks by degrees, minutes, and seconds. Example Lat. 42, 36, 12 N Long. 85, 24, 17 W

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Okla. Military Dept (OKDE)

Street Address
3501 Mi. Toru Circle

City
Okla City OK 73111

County

Phone Number (include Area Code)

Latitude _____ Longitude _____

(if same as Section I, mark box here)

Facility Name or Company Site Name, if applicable
Okla National Guard Arsenal

Street Address (P.O. Box not acceptable)
223 W Highway

City
Weatherford OK 73096

County
Custer

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at its location)

Tank Identification Number: 060580 Tank No. 1 Tank No. Tank No. Tank No. Tank No.

1. Status of Tank (mark only one):	Currently in Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Temporarily Out of Use <small>(Remember E & S section 2)</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Permanently Out of Use <small>(Remember E & S section 2)</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Amendment of Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Date of Installation (mo./year)	<u>12/58</u>				
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3. Estimated Total Capacity (gallons)	<u>1000</u>				
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4. Material of Construction (Mark all that apply)	Asphalt Coated or Bare Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cathodically Protected Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Epoxy Coated Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Composite (Steel with Fiberglass)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lined Interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Polyethylene Tank Jacket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Excavation Liner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has tank been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5. Piping (Material) (Mark all that apply)	Bare Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Galvanized Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cathodically Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Secondary Containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Piping (Type) (Mark all that apply)	Suction: no valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Suction: valve at tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Gravity Feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Has piping been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Temp Close

OMG NO. 2001-0048 Approval Expiration 03-31-97
EPA Form 2001-1 (Rev. 11-85)

Notification for Underground Storage Tanks		STATE USE ONLY	
State Agency Name and Address:		ID NUMBER	
TYPE OF NOTIFICATION		DATE RECEIVED	
<input type="checkbox"/> A. NEW FACILITY <input checked="" type="checkbox"/> B. AMENDED <input type="checkbox"/> C. CLOSURE _____ No. of tanks at facility _____ No. of continuation sheets attached		A. Date Entered into Computer _____ B. Data Entry Clerk Initials _____ C. Owner Was Contacted to Clarify Responses, Comments _____	
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- c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status (only amended tank information needs to be included)

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- 3. septic tanks;
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- 5. surface impoundments, pits, ponds, or lagoons;
- 6. storm water or waste water collection systems;
- 7. flow-through process tanks;
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Room 240
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Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Oklahoma Military Dept., OKDE

Street Address
3501 Military Circle
Oklahoma City, OK 73111-4398

City State ZIP Code
County

Phone Number (include Area Code)

II. LOCATION OF TANK(S)

If required by State, give the geographic location of tanks by Congress, Meridian, and seconds.
Example Lat: 42, 36, 12 N Long: 85, 24, 17W

Latitude _____ Longitude _____

(if same as Section I, mark box here)

Facility Name or Company Site Identifier, as applicable
Btry B (-) 1/171 FA

Street Address (P.O. Box not acceptable)
223 Rainey

Weatherford, OK 73096
City State ZIP Code

County Municipality

OKLAHOMA

CORPORATION COMMISSION

Mike Battles

JIM THORPE BUILDING (405) 521-3107

Director, Fuel Div

OKLAHOMA CITY, OKLAHOMA 73105

DATE: September 7, 1993

TO: Doyle Balzar FAC #: 2005801

COMPANY: Oklahoma Department of Military PHONE: (405) 425-8335

ADDRESS: 3501 Military Circle OKDE

CITY: Okla. City STATE: OK ZIP: 73111

Dear Sirs:

Gary Perring 405, 832-3984), the fuel specialist for this location, has been notified that an underground storage tank(s) will be closed as follows:

LOCATION: Okla. Nat'l Guard - 223 W. Rainey - Weatherford

CLOSURE DATE: September 15, 1993

SAMPLING TIME: _____

The Fuel Specialist will contact you to confirm the date and set the approximate sampling time. The FS will be present to examine the tank and witness the sampling for use in the site assessment. If the FS is not present, as scheduled, at the agreed date and time, you may proceed with the project.

Rule 165:25-3-65 allows fines of up to \$ 10,000 per day for not meeting the agreed schedule to sample the sites or failure to provide 48 hours notice for schedule changes.

Rescheduling must be accomplished through the Fuel Inspection office. The Oklahoma Corporation Commission will NOT issue closure letters for sites sampled without a State representative present.

PROCEDURES LISTED BELOW MUST BE FOLLOWED:

1. Schedule removal/closure with the Fuel Inspection Office.
2. Assure safe work area per Federal, State, and Local regulations.
3. Perform sampling protocol for tank(s) and piping.
 - A. **DO NOT TAKE SAMPLES PRIOR TO SCHEDULED TIME.**
 - B. **PERFORM SAMPLE TESTING WITH OWRE CERTIFIED LABORATORY.**
4. Submit written report and sketches to the OCC.
5. Properly dispose of tank(s), excavated soil, and water.
6. Fuel Inspection office, 405-521-2487, scheduling.
UST Program office, 405-521-3107, technical details.

Respectfully,

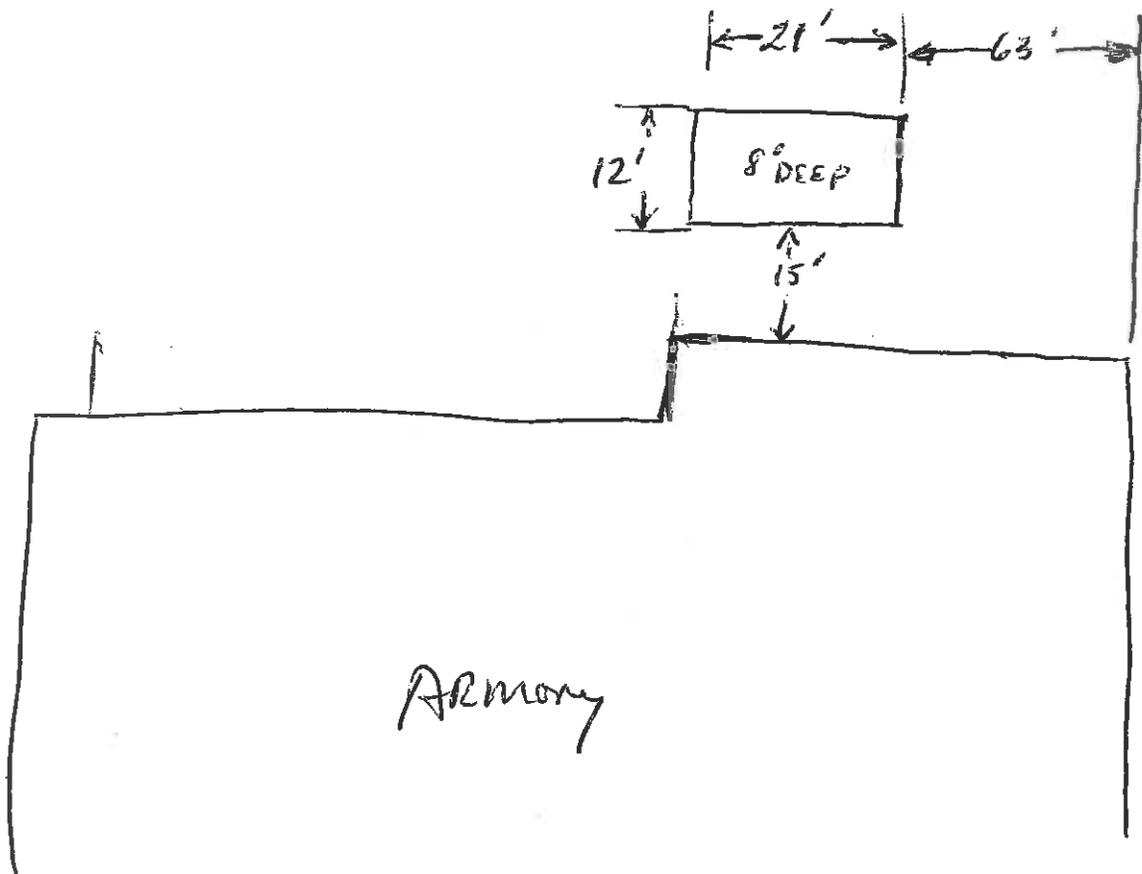
Ronald J. Hamilton,
Manager, Fuel Inspection

RECEIVED

WEATHER FORD

1000 GAL

→ N



Weatherford
 Temp close on 13 July 93

Progressive Environmental Management
 pumped liquid from tank, and
 safely clean disposal of liquid

WO # 554-94

{	Removal	Soil TESTS	108.00 120.00
	TANK Destruction	125.00	
	Fill Dirt	0	
	ICE	8.86	
	Fuel	90.00	

PERSONNEL	Self Admin	Truck Exp	Stock	Loc Pur
Geo Cannon	67.02	33.12	0	0
2 (108.00) 1st Salazar	203.60			
(4) (4) LT Engstrom	282.08			

Removal	120.00	31.86
PERSONNEL	552.70	
Truck Exp	33.12	
Stock Exp	0	
Loc Purchase	0	

~~929.68~~
 917.68

QUALITY IN ANALYTICAL RESULTS



2700 N.W. 39th ; Oklahoma City, Okla; 73112
 (405) 948-1979 1-(800) 752-4830

Client Name: Oklahoma Military Department
 Address 3501 Military Circle
 Oklahoma City, OK 73111-4398
 Attn: DE-D
 Attention: Sgt. Doyle Balzer

Project Number Not given
 P.O. Number Verbal
 Date 9/15/93

As per your request we have completed analysis of samples provided to the laboratory. Analytical methods used are those of the Environmental Protection Agency (EPA), Standard Methods, The Occupational Safety and Health Administration (OSHA), The National Institute of Occupational Safety and Health (NIOSH), and/or other recognized methods when appropriate to the analysis. Should you have questions about the results, please do not hesitate to give us a call. We appreciate the opportunity to be of service.

AAL Number	Field Number	Sample Media	Sample Volume	Analysis Method	Results	Units
931236	Fill Dirt	Soil	5g	Benzene / EPA 8020	<0.005	mg/kg
				Toluene / EPA 8020	"	mg/kg
				Ethyl Benzene / EPA 8020	"	mg/kg
				Xylenes / EPA 8020	"	mg/kg
931237	Center 3' deep	Soil	5g	Benzene / EPA 8020	<0.005	mg/kg
				Toluene / EPA 8020	"	mg/kg
				Ethyl Benzene / EPA 8020	"	mg/kg
				Xylenes / EPA 8020	"	mg/kg
931238	South Wall	Soil	5g	Benzene / EPA 8020	<0.005	mg/kg
				Toluene / EPA 8020	"	mg/kg
				Ethyl Benzene / EPA 8020	"	mg/kg
				Xylenes / EPA 8020	"	mg/kg
**a.a.a.-Trifluorotoluene Surrogate Percent Recovery 96%						

Chemist of Record: 

OWRB Certification No. 8417
 NVLAP Laboratory Accreditation No. 1568
 Proficiency Analytical Testing Program No. 73112001

Thank You

Keith L. Stanley Ph.D. P.E., C.I.H.

AAL is not responsible for any errors resulting from improper or incorrect Sampling Procedures; errors resulting from atmospheric conditions at the time of sampling or during shipment; or errors resulting from shipping conditions or methods.

ALPHA

ANALYTICAL LABORATORIES, INC

DR. DAVID L. STIERS
PRESIDENT

Hazardous Waste Characterization
Drinking Water Analysis
Workplace Exposure Analysis
NPDES Discharge Analysis

CHAIN OF CUSTODY

EPA, NIOSH, OSHA, STD. METHOD

LAB # 931236-931238

CLIENT Ok. Military Dept. ACCT # _____

NUMBER OF SAMPLES 3 TYPE Soil TURN-TIME 5 day

PROJECT NAME Weatherford PO# _____

REC'D BY A. Williams DATE 9/15/93 TIME 1300 AM/PM PM

DELIVERED BY Engleberton SHIPPING BILL RETAINED YES OR NO

CONDITION OF PACKAGE/SAMPLES good

PREPARED FOR ANALYSIS BY _____ DATE _____

ANALYZED BY _____ DATE _____

QUALITY CONTROL CHECKED BY _____ DATE _____

REPORT CHECKED BY _____ DATE _____

RESULTS BY FAX OR VERBAL INT. _____ DATE _____

** SAMPLES WILL BE DISPOSED AFTER 60 DAYS UNLESS NOTIFIED **

REMARKS BTEX

COV. LET [] HARD COPY [] REG SAMPLES []
M/L SAMP [] INVOICED [] SIGNED []
COPIED [] DATE MAILED []

CHAIN OF CUSTODY RECORD

PROJECT NAME		STATION LOCATION		TOTAL LEAD		TCLP		OA - 1		OA - 2		TDS		REMARKS	
Weatherford				418.1											
N/C Exploration 159 Bales				TRPH											
PROJECT NO.		SAMPLE TYPE		8015 TPH											
2700 N.W. 39TH ST. OKLAHOMA CITY, OK 73112 (405) 948-9779		8020 BTEX													
STA. NO.	DATE	TIME	STATION LOCATION												
1	9/15/93	9:00 AM	Fill Dirt												
2	9/15/93	10:00 AM	Center 3' Deep												
3	9/15/93	10:00 AM	South wall												
				TOTAL NUMBERS		OF CONTAINERS									
RELINQUISHED BY: [Signature]				DATE/TIME: 15 Sept. 1993		RECEIVED BY: Abby Williams		DATE/TIME: 1300							
RELINQUISHED BY:				DATE/TIME:		RECEIVED BY:		DATE/TIME:							
METHOD OF SHIPMENT:				SHIPPED BY:		DATE RECVD:		RECVD FOR LAB BY:							

Laboratory will sign and return with analytical results.

Sheet 1 of 1

Job No. Weatherford

Date 9/13/93

Completed by Randy M. West

CERTIFICATE OF DESTRUCTION

Scrapping/Disposal Company:

MAC SUPPLY INC.
SW 15th & PENN
P.O. BOX 82064
OKLAHOMA CITY, OK 73148

Site of Destruction:

1920 S.W. 15th
Oklahoma City 73148

Tank Removal Contractor:

Oklahoma Military Department
3501 Military Circle
Oklahoma City Okla. 73111

Tank Identification:

Tank No.: 1

Size: 1,000 gallon

Location: Company Weatherford National Guard

Address Weatherford

City/State Weatherford Oklahoma

Destruction Date: 9/13/93

I certify that the above described tank has been rendered unusable for the storage of any fluids, and all removed fluids, sludges and the tanks were disposed of in accordance with all applicable local, state, and federal regulations.

Randy M. West
By

President
Title

Subscribed & Sworn to before me this 15th day of September,
in the year 1993.

Mary M. Fowler
Notary Public

My Commission Expires:
17 February 95



ALPHA ANALYTICAL SERVICES, INC.
 OPERATING ACCOUNT
 2700 N.W. 39TH 948-1979
 OKLAHOMA CITY, OK 73112-3721

Invoice

RECEIVED
 CHEFCO

20 SEP 93 1 30

DATE	INVOICE #
17 Sep 93	31496

BILL TO:

OKLAHOMA MILITARY DEPT.
 ATTN: OK DE-D
 3501 MILITARY CIRCLE
 OKLAHOMA CITY, OK 73111-4398

PO. NUMBER	TERMS	PROJECT
Not Given	Due on recpt	Weatherford

QUANTITY	DESCRIPTION	RATE	AMOUNT
3	BTEX: Water or Soil by GC	36.00	108.00

Check to Pay
20 Sep 93
BE

LAB #931236-1238 Please make checks payable to Environmental Measurements, our parent company.

TOTAL 108.00

BALANCE DUE: 108.00

INVOICE NO.
2373

SOLD TO <i>Oklahoma Military Department</i>		SHIPPED TO <i>Man Supply Inc.</i>			
STREET & NO. <i>3501 Military Circle</i>		STREET & NO. <i>P.O. 82064</i>			
CITY <i>Oklahoma City Okla</i>	STATE <i>Okla</i>	ZIP <i>73111</i>	CITY <i>Oklahoma City Okla</i>	STATE <i>Okla</i>	ZIP <i>73148</i>

CUSTOMER'S ORDER	SALESMAN	TERMS <i>30 Days</i>	F.O.B.	DATE <i>9/13/93</i>
------------------	----------	-------------------------	--------	------------------------

QTY	DESCRIPTION	UNIT PRICE	TOTAL
<i>1</i>	<i>1,000 gallon gas tank</i>		
	<i>Removed from</i>		
	<i>Weatherford National Guard</i>		
	<i>Weatherford Oklahoma</i>		
	<i>Disposal Fee</i>		<i># 125 00</i>
	<i>9/10/93 to 1/1/94</i>		
	<i>15 8/93</i>		
	<i>156</i>		

INVOICE

YOUR RECEIPT
THANK YOU

09-14-93

Weatherford
WO# 55999 *WEA#0*

6

15
D. 55a
*8.25 II 1
*8.25
*0.61 II 1
*8.86
*20.00
*11.14

000#0333

7-40

001 368 819 7 044

STATE OF OKLA
MILITARY DEPT

PLEASE RETAIN THIS COPY
TO VERIFY BILLING.

PROD CODE 2009000
TOTAL AMOUNT

Wear The Ford
4530 Miles



TEXACO

43564220033

140 CENTRY CLB

091393 DATE

5943700 INVOICE NUMBER

TEXACO PRODUCTS & SERVICES	CITY	INCL TAX	AMOUNT
<input type="checkbox"/> SUPER UNLEADED			
<input type="checkbox"/> UNLEADED PLUS			
<input type="checkbox"/> UNLEADED			
<input type="checkbox"/> REGULAR			
<input type="checkbox"/> DIESEL			
<input type="checkbox"/> MOTOR OIL			
<input type="checkbox"/> SERVICE ORDER			
<input type="checkbox"/> PRE-UNLEADED			
<input type="checkbox"/> UNLEADED W/			
<input type="checkbox"/> W/ETANOL			
<input type="checkbox"/> W/ETANOL			
<input checked="" type="checkbox"/> DIESEL		76.9115	30.00
<input type="checkbox"/> TEXACO			
<input type="checkbox"/> MOTOR OIL			
<input type="checkbox"/> SERVICE ORDER			
TOTAL			90.00

FORM S-199D (E) (7-90)

VEHICLE LICENSE NO. **A-26** STATE

BUYER'S SIGNATURE **David Baker**

Buyer agrees to pay Texaco Refining and Marketing Inc. or assignee for this purchase in accordance with Texaco's payment terms, the prior disclosure of which is acknowledged. Do not sign before reading this agreement or if any spaces for agreed terms are left blank. Retain this copy.

AUTHORIZATION ATTENDANT CUSTOMER Copy

INCL. TAX

AMOUNT

TOTAL

SALES TAX

STATE OF OKLAHOMA
 OKLAHOMA CORPORATION COMMISSION N
 JIM THORPE BUILDING
 ROOM 238
 OKLAHOMA CITY, OKLAHOMA 73105
 (405) 521-3107

*Paid July 93
 to allie on 14 July*

***** STORAGE TANK PROGRAM PERMIT FEE *****

INVOICE

June 18, 1993
 Page 1 of 1

FISCAL YEAR 1994
 (July 1, 1993 - June 30, 1994)

TO: OKLAHOMA MILITARY DEPT-OKSAFE-E 3501 MILITARY CIRCLE OKLAHOMA CITY, OK 73111-4398	SITE LOCATION: BTRY B (-) 1/171 FA 223 RAINEY WEATHERFORD, OK 73096
---	---

Pursuant to Oklahoma Corporation Commission Rules. OAC 165:25-9-11 and OAC 165:26-9-11 governing storage tanks in Oklahoma and Oklahoma Corporation Commission Rules of Practice, OAC 165:5-3-1, and Sections 306.1, 308.1 and 405(l) of Title 17 of the Oklahoma statutes, owners and/or operators of storage tanks shall pay an annual permit fee based upon the type of tanks owned at each facility at the beginning of each fiscal year, which is July 1, or any portion of the year thereafter. Applicable late fees will be assessed for failure to make timely payment. Make checks payable to the Oklahoma Corporation Commission - UST Program. For any questions, please call (405) 521-3107.

Facility #	No. of tanks Petroleum	No. of tanks Hazardous	No. of tanks Agriculture	Cost
2-005801	1	0	0	
Tank #	Description			Cost
1	1,000 Gal - Gasoline			\$ 25.00

TANK FEE:
 For Petroleum Tanks (Both AST & UST)
\$25/Tank

 * The AMOUNT DUE includes: *
 * Previous Balance: \$ 12.50 *

For Hazardous Substance Tanks (UST)
\$100/Tank

For Agricultural Tanks (non-retail) (UST)
\$10/Tank

Permit Fee: \$ 25.00
 Late Fee: \$
 Amount Received: \$

Date Due: JUL. 26, 1993 *Thank You*

Amount Due: \$ 37.50

8th Street Station ORBCA SSTLs

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

October 7, 1998

Case ID# 064-0477
Facility ID# 20-12701

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 582 305 563

Mr. D.D. schutes
1419 Pine
Weatherford, Oklahoma 73096

RE: Approval of the Tier 2 Report for site located at:

D.D. Schutes Station
220 West Main
Weatherford, Oklahoma

Dear Mr. Schutes:

We have reviewed the Tier 2 Report and the amendments you submitted. This Tier 2 evaluation is approved as being in compliance with our rules. These modifications need to be assumed for the Site Conceptual Exposure Model (SCEM):

Commercial worker future conditions irrigation well with 120 days/yr. exposure frequency, .3 L/day ingestion rate, located 100 feet from the source. Based on Chemicals of Concern (COCs) on this site, no further action appears to be required after free product is removed and shown to be absent for five quarters.

Based on these modifications the Site Specific Target Levels (SSTLs) for cleanup at this site are:

	On-Site Soil (mg/Kg)	On-Site Groundwater (mg/L)
Benzene	730.75	40.41
Toluene	641.07	535.00
Ethylbenzene	1585.90	152.00
Xylenes (Mixed)	404.38	198.00
Naphthalene	N.A.	N.A.

Evidence that all current receptors have been properly notified in accordance with OAC Rule 165:25-3-78 must be submitted to the OCC on or before December 7, 1998. Receptors include both landowners and any lessees. Utility firms should be notified if the location of their utility is impacted. City, county, and/or state (Oklahoma Department of Transportation) governments should be notified if the shallow soils

and/or shallow groundwater is impacted beneath the road and adjacent right-of-way.

Thank you for handling this matter in a professional and timely manner.

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Frank Vernon

Frank Vernon
Project Environmental Analyst

GFV:raw

cc:

Bentley Environmental
Attn: Mr. Jeff Fleming
204 N. Robinson, Suite 1600
Oklahoma City, Oklahoma 73102

(064-0477)

Z 582 305 563

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Is your RETURN ADDRESS completed on the reverse side?	SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.	10/7	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: MR. D.D. SCHUTES 1419 PINE WEATHERFORD, OK 73096	4a. Article Number Z582 305 563		
	4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	7. Date of Delivery 10-13-98		
	5. Received By: (Print Name) D.D. Schutes	8. Addressee's Address (Only if requested and fee is paid) 064-0477		
6. Signature: (Addressee or Agent) X <i>D.D. Schutes</i>				
PS Form 3811, December 1994		102595-98-B-0229 Domestic Return Receipt		

PS Form 3800, April 1995

Thank you for using Return Receipt Service.

8th Street Station ORBCA Sampling Summary

ORBCA SUMMARY REPORT

LIST ID: D.D. SCHUTES

Date Form Completed: 01-Jul-97

FACILITY ID: 20-12701

Form Completed by: JEFF WILMING

Worksheet #10

ANALYTICAL DATA SUMMARY FOR SOIL

Chemical levels detected during soil borings, and UST/Spilling removal activity

MW No./Sample Location	Sampling Date	Sample Depth [ft.]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylene [mg/kg]	Naphthalene [mg/kg]	TPH/GRO [mg/kg]	TPH/DRO [mg/kg]	OTHERS
MW-1		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-2		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-3		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-4		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-5	3/14/92	4	ND	0.3	ND	1.2		3		
MW-6	3/14/92	4	37	264	81.5	572		4521		
MW-7	3/14/92	11	ND	ND	1.9	10.5		260		
MW-8	3/14/92	65	1.1	8.75	2.5	12.7		174		
MW-9		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-10	2/2/93	30 - 40	0.09	2.9	5.8	40		1216		
MW-11	2/2/92	60 - 62	0.73	2.3	2.3	13		423		
MW-12	2/2/92	64	ND	ND	ND	ND		ND		
MW-13	1/25/93	64	ND	ND	ND	ND		ND		
MW-14	1/25/93	64	ND	ND	ND	ND		ND		
MW-15	1/25/93	64	ND	ND	ND	ND		ND		
MW-16	1/25/93	64	ND	ND	ND	ND		ND		
MW-101	10/27/93	40	ND	ND	ND	ND		ND		
MW-102	10/27/93	6	ND	ND	ND	ND		ND		
MW-103	10/27/93	4	ND	ND	ND	ND		ND		
MW-104	10/27/93	30	ND	ND	ND	ND		ND		
MW-17	5/7/96	64 - 66	ND	ND	ND	ND		ND		
MW-18	5/7/96	54 - 56	ND	ND	ND	ND		ND		
NUMBER OF DETECTIONS(S)			7	10	9	12	--	13	4	--
AVERAGE			5.082	34.490	14.376	71.159	--	644.308	587.118	--
STD. DEVIATION			9.866	82.673	26.688	165.467	--	1208.483	785.203	--
MAXIMUM			27.000	264.000	81.500	572.000	--	4521.000	1700.000	--

NOTE: Provide any laboratory analytical datasets not previously submitted to the OCC. ND and NO OVA values are ignored for calculating the average and standard deviations.

Check One:

- Form UST 374-1, Page 10
- Tier 1
- Form UST 378, Page 10
- Tier 2
- Tier 3

[1 of 1]

ORRCA SUMMARY REPORT

LIST ID: D.D. SCHAUTES

Date Form Completed: 01-Jul-97

ANALYTICAL DATA SUMMARY FOR SOIL

FACILITY ID: 20-12701

Form Completed by: JEFF FLEMING

Worksheet #10

Chemical levels detected during soil borings, and UST/tying removal activity

MW No./Sample Location	Sampling Date	Sample Depth (ft.)	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylene [mg/kg]	Naphthalene [mg/kg]	TPH/GRO [mg/kg]	TPH/DRO [mg/kg]	OTHERS
AMW-1	3/24/94	25	ND	0.63	1.3	7.3		420		
AMW-101	8/8/94	58	ND	ND	ND	0.47		3	66	
AMW-102	8/8/94	60	5.8	60	29	180		320	1700	
AMW-201	11/1/94	56	0.308	4.566	4.901	15.985		488	578	
AMW-202	11/1/94	58	ND	0.014	ND	0.006		250	4.47	
AMW-203	11/2/94	70	ND	ND	ND	ND		130	ND	
AMW-204	7/23/96	54 - 56	ND	ND	ND	ND		ND		
AMW-205	7/24/96	28 - 30	ND	ND	ND	ND		ND		
AMW-206	7/25/96	25 - 30	ND	ND	ND	ND		ND		
AMW-207	7/25/96	25 - 30	ND	ND	ND	ND		ND		
MW-19	5/7/97	50 - 53	ND	ND	ND	ND		ND		
MW-20	5/8/97	65 - 67	0545	1.46	0.181	0.747		8		
NUMBER OF DETECTIONS(S)			7	10	9	12	--	13	4	--
AVERAGE			5.082	34.490	14.376	71.139	--	644.308	587.118	--
STD. DEVIATION			9.866	82.673	26.688	165.467	--	1208.483	785.203	--
MAXIMUM			27.000	264.000	81.500	572.000	--	4521.000	1700.000	--

NOTE: Provide any laboratory analytical data sheets not previously submitted to the OCC
 ND and NS values are ignored for calculating the average and standard deviations.

Check One:

- Form UST 374-1, Page 10
- Form UST 378, Page 10
- Tier 1
- Tier 2
- Tier 3

ORCA SUMMARY REPORT

UST ID: D.D. SCHUTES

Date Form Completed: 01-Jul-97

FACILITY ID: 20-12701

Form Completed by: JEFF FLEMING

Worksheet #11A

ANALYTICAL DATA SUMMARY FOR GROUNDWATER - SINGLE SAMPLING EVENTS

Chemical levels detected during ground/water sampling

MW No./Sample Location	Installation Date	Screen Interval	No. of Measurements	Sampling Date	Water Level	Benzene [mg/l]	Toluene [mg/l]	Ethylbenzene [mg/l]	Xylene [mg/l]	Naphthalene [mg/l]	TPH/CRO [mg/l]	TPH/DRO [mg/l]
MW-1		TD = 4 - 6'	NONE		below TOC	MCL=0.005		MCL=0.7	MCL=10			
MW-2		TD = 4 - 6'	NONE		NO WATER							
MW-3		TD = 4 - 6'	NONE		NO WATER							
MW-4		TD = 4 - 6'	NONE		NO WATER							
MW-5		TD = 4 - 6'	NONE		NO WATER							
MW-6		TD = 4 - 6'	NONE		NO WATER							
MW-7	3/14/92	50 - 70		4/15/97	NO WATER	FP	FP	FP	FP			
MW-8	3/14/92	50 - 70		4/15/97		FP	FP	FP	FP			
MW-9	?	TD = 4 - 6'	NONE		NO WATER							
MW-10	2/20/2	60 - 70		4/15/97		FP	FP	FP	FP			
MW-11	8/1/95	60 - 70		4/15/97		FP	FP	FP	FP			
MW-12	2/2/92	60 - 70		4/15/97		FP	FP	FP	FP			
MW-13	1/25/93	60 - 70		4/15/97	57.57	9.74	2.33	1.48	1.29		32	
MW-14	1/25/93	60 - 70		4/8/97	55.14	1.9	0.183	0.466	0.178		8	
MW-15	1/25/93	60 - 70		4/15/97	56.41	1.72	0.031	0.256	0.004		6	
MW-16	1/25/96	COVERED	BY	PAYMENT	BY CITY							
MW-101	1/6/7/93	53 - 68		4/15/97		FP	FP	FP	FP			
MW-102	1/6/7/93	53 - 68		4/8/97	54.18	0.002	0.002	0.002	0.002		1	
MW-103	1/6/7/93	53 - 68		4/15/97	55.74	ND	ND	ND	ND		ND	
MW-104	1/6/7/93	53 - 68		3/7/97	56.42	ND	ND	ND	ND		ND	
MW-23	9/1/95	50 - 70	plugged									
MW-17	5/7/95	59 - 69		4/15/97	58.61	0.001	0.004	0.003	0.008		ND	
NUMBER OF DETECTION(S)					15	19	19	17	19		9	
AVERAGE					55.733	23.115	14.085	1.888	22.979		92.222	
STD. DEVIATION					1.386	21.306	12.739	1.243	23.105		98.640	
MAXIMUM					58.610	44.390	26.540	2.870	46.560		269.000	

NOTE:

Provide any laboratory analytical datasets not previously submitted to the OCC
 ND and NS values are ignored for calculating the average and standard deviation.

- Check Date: Form UST 374-1, Page 11 Form UST 378, Page 11 Tier 3
 Tier 1 Tier 2

ORCA SUMMARY REPORT

LUST ID: D.D. SCHUTES

Date Form Completed: 01-Jul-97

FACILITY ID: 20-12701

Form Completed by: JEFF FLEMING

Worksheet #11-A

ANALYTICAL DATA SUMMARY FOR GROUNDWATER - SINGLE SAMPLING EVENTS

Chemical levels detected during groundwater sampling

MW No./Sample Location	Installation Date	Screen Interval	No. of Measurements	Sampling Date	Water Level	Benzene [mg/l]	Toluene [mg/l]	Ethylbenzene [mg/l]	Xylene [mg/l]	Naphthalene [mg/l]	TPH/GRO [mg/l]	TPH/DRO [mg/l]
MW-18	5/7/96	59 - 69		4/5/97	56.29	ND	ND	ND	ND		ND	
AMW-1	3/24/94	50 - 80		5/9/96	56.9	21.56	14.2	2.53	8.17		103	
AMW-101	8/29/94	50 - 80		5/10/96		FP	FP	FP	FP		142	
AMW-102	8/29/94	50 - 80		5/10/96		FP	FP	FP	FP		269	
AMW-201	11/1/94	50 - 89		5/10/96		FP	FP	FP	FP		218	
AMW-202	11/1/94	50 - 80		5/10/96	55.16	0.028	0.004	ND	0.007		ND	
AMW-203	11/2/94	50 - 80		5/10/96	55.84	0.054	0.002	ND	0.002		ND	
AMW-204	7/23/96	54 - 69		7/23/96	54.55	ND	ND	ND	ND		ND	
AMW-205	7/24/96	54 - 69		7/26/96	54.43	ND	ND	ND	ND		ND	
AMW-206	7/24/96	53 - 63		7/26/96	53.2	ND	ND	ND	ND		ND	
AMW-207	7/25/96	54 - 69		7/26/96	55.56	ND	ND	ND	ND		ND	
MW-19	5/6/97	50 - 70		5/8/97		0.004	0.003	0.0009	0.006		ND	
MW-20	5/7/97	50 - 65		5/8/97		4.66	11.99	1.54	7.89		51	
NUMBER OF DETECTIONS(S)												
AVERAGE					15	19	19	17	19		9	
STD. DEVIATION					55.733	23.115	14.085	1.888	22.979		92.222	
MAXIMUM					1.386	21.306	12.739	1.243	23.105		98.640	
MAXIMUM					58.610	44.390	26.540	2.870	46.560		269.000	

NOTE: Provide any laboratory analytical data sheets not previously submitted to the OCC

ND and NS values are ignored for calculating the average and standard deviation.

Check One:

Form UST 374-1, Page 11

Form UST 376, Page 11

Tier 1

Tier 2

Tier 3

[2 of 1]

July 25, 1996

8th Street Station Final Closure Report

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

May 24, 2000

Case ID #064-0477
Facility ID #20-12701
Final Closure

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 228 596 634

Mrs. Ugie Schutes
1419 Pine Street
Weatherford, Oklahoma 73069

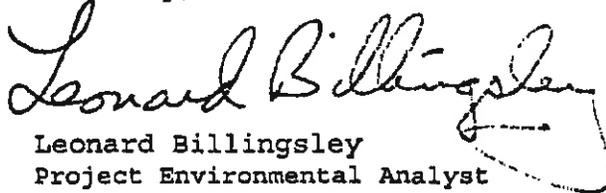
Re: D.D. Schutes
222 W. Main Street
Weatherford, Oklahoma

Dear Mrs. Schutes:

Based upon the review of the Oklahoma Risk-Based Corrective Action Report, this case is closed. If in the future, levels of Chemicals of Concern are discovered to exceed those determined appropriate for this site, the case will be reopened. A copy of this letter is being sent to your consultant.

If you have any questions, please discuss them with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,


Leonard Billingsley
Project Environmental Analyst

LB:jw

cc: Bentley Environmental
Attn: Mr. Doug Vincent
4619 N. Santa Fe
Oklahoma City, Oklahoma 73118

Closure Letter

Copies to Gwyn Smith, Tech File, IF and Claim Files

NOTE: The applicable Corporation Commission rule is found in the Oklahoma Administrative Code at 165:25-3-79. If you need a copy, please call us and we will send you one.

TM
L. Billings

FINAL CLOSURE REPORT
OAC Rule 165:25-3-79

CASE NUMBER **064-0477**
FACILITY NUMBER **20-12701**

*Arlis Hansen
needs to
take responsibility
for MW
102*

SITE LOCATION

Facility Name D.D. Schutes
Contact Person/Phone No. Mrs. Ugie Schutes / 580-772-2352
Street Address, City, County 222 W. Main St., Weatherford, Custer

Owner/Operator's Signature x Mrs. Ugie Schutes Date 4-12-00
By signing above the Owner/Operator affirms that all of the information in this 3-page report is true and correct to the best of his/her knowledge.
Owner/Operator Mrs. Ugie Schutes
Contact Person/Phone No. Mrs. Ugie Schutes / 580-772-2352
Address, City, State, Zip 1419 Pine St., Weatherford, Ok. 73096

Consultant's Verification Signature Doug Vincent Date 4-10-00
Consultant and Firm Doug Vincent, Bentley Environmental Engin., Inc.
Phone Numbers: Voice: 405-528-7016 Fax: 405-528-3346 Pager/Cell: _____
E-Mail Address: dvincent@bentleyenviro.com
PSTD License Number: 0050 Date: 12-31-2001

RECEIVED
PETROLEUM STORAGE
TANK DIVISION
2000 APR 18 PM 1:31

MONITOR WELL DECOMMISSIONING

List the wells that were:

Overdrilled & cement grouted:

Pulled & plugged: MW-8, MW-17, MW-20, MW-7, MW-9, RW-2, MW-6, MW-11, MW-18, MW-20A, MW-22, MW-101, MW-12, MW-13, MW-19, MW-104, MW-103, MW-15, MW-21, RW-1 and MW-1.

Casing cement grouted in place (Attach OWRB Variance): N/A

Other (Describe): N/A

Not found (Describe efforts to find and possibly what might have happened to the well):
N/A.

Has all decommissioned material (soil, water, casing, monuments, pads, etc), soil piles and visqueen been removed and properly disposed? If not, explain under Miscellaneous.

Yes X No _____

Attach the Oklahoma Water Resources Board's (OWRB) Multi-Purpose Completion Report – Monitoring Wells. Well identification, plugging data and driller's certification must be completed.

REMEDIAATION EQUIPMENT DECOMMISSIONING

Briefly describe the decommissioning of all surface equipment.

Recovered 500 gallon steel holding tank. Removed downwell pump, control panels, electrical drop and compressors. Left small building at RP request.

Was any of this equipment moved to another petroleum release site? If so, list the equipment and the case number and location of the other site.

N/A

Briefly describe the decommissioning of all pipe runs/trenches.

Aboveground piping runs were removed. Subsurface runs were left in-place.

Were all utilities properly disconnected and service discontinued?

Yes _____ No _____ N/A

Were all state and local agencies properly notified regarding the termination of any permits they had issued? Yes No _____ N/A

List the name and phone number of the current property owner if different from the responsible party.

N/A

List the name(s) and phone number(s) of all off-site property owners where monitoring wells and/or remediation equipment were decommissioned.

Weatherford Armory - 223 W. Rainey, 580-772-2793

City of Weatherford - 580-772-7451

MISCELLANEOUS

List any monitoring wells, remediation equipment or soil piles that the current property owner wants to retain. *OWRB OAC Rule 785:35-11-2(a) states "Monitoring wells...shall be plugged...within three days after completion of use...". Unless there is some other monitoring use for a monitoring well PSTD insists that all such wells be decommissioned.*

RP requested that BENTLEY leave the remediation enclosure

If there is anything listed above, the current property owner and responsible party (RP) must sign below that they understand that once the PSTD case is closed they can no longer submit claims to the Indemnity Fund for reimbursement of any maintenance or decommissioning costs under this case number. They must also understand that they are responsible for any associated liability and decommissioning of any monitoring wells according to the rules and regulations of the OWRB. If the RP of any adjacent case wants to retain any item listed above, they may sign on the RP line and list the appropriate case number.

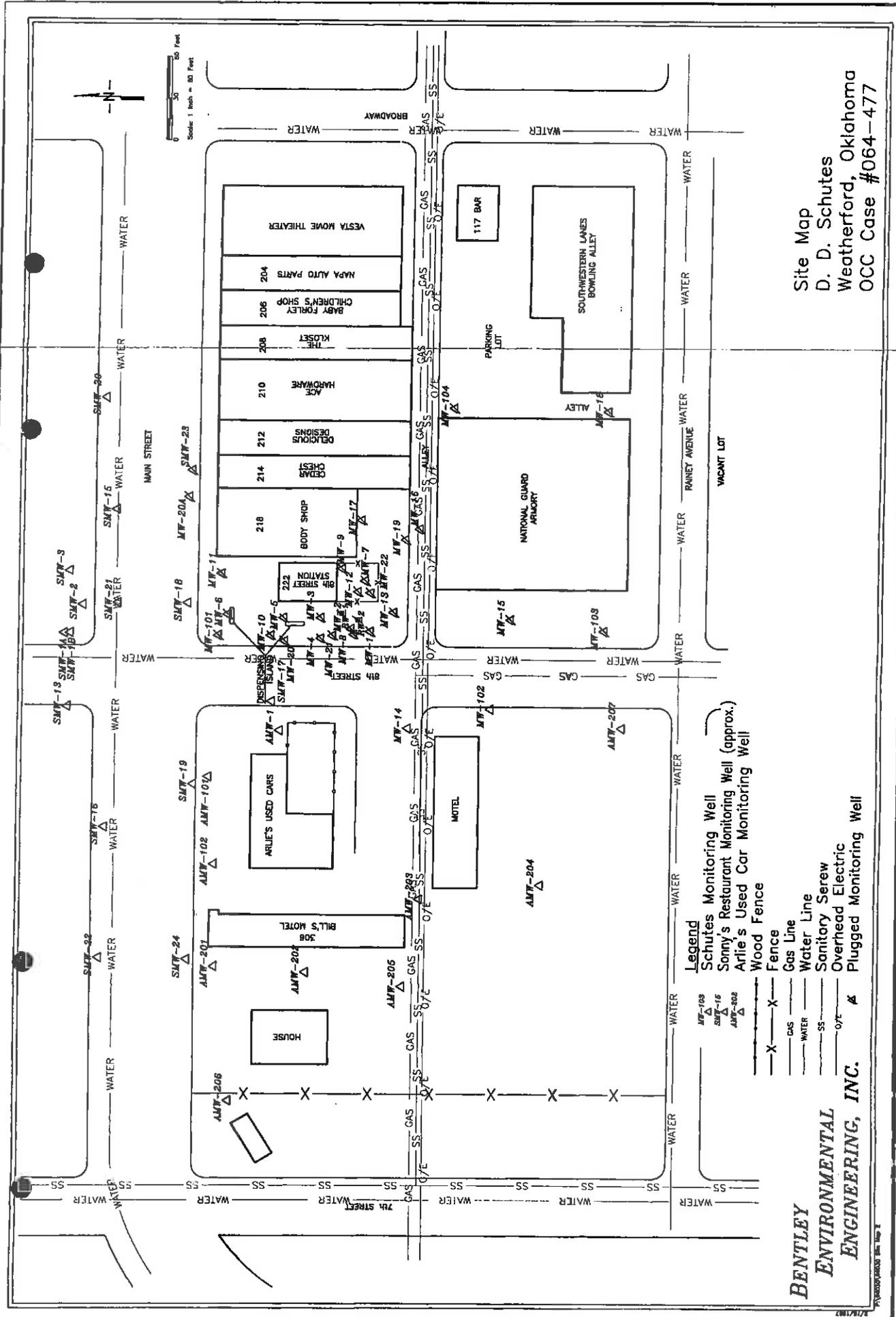
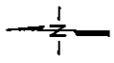
x Elgie Schutes Date 4-12-00
Current Property Owner

x Elgie Schutes Date 4-12-00
Responsible Party

Adjacent Case Number

PSTD Reviewer JAB Approve Deny Date 4/21/00

RECEIVED
FERTILIZER STORAGE
TANK DIVISION
2000 APR 18 PM 1:31



Site Map
 D. D. Schutes
 Weatherford, Oklahoma
 OCC Case #064-477

- Legend**
- ▲ SMT-108 Schutes Monitoring Well
 - ▲ SMT-115 Sonny's Restaurant Monitoring Well (approx.)
 - ▲ AMT-302 Arlie's Used Car Monitoring Well
 - X — Wood Fence
 - X — Fence
 - GAS — Gas Line
 - WATER — Water Line
 - SS — Sanitary Sewer
 - O/E — Overhead Electric
 - ▲ Plugged Monitoring Well

BENTLEY ENVIRONMENTAL ENGINEERING, INC.

What about MW 102?

MW 5

4

3

2

appear to be already used

Arnold
@ City.

MULTI-PURPOSE COMPLETION REPORT
MONITORING WELLS

Please Plot Well Location

Oklahoma Water Resources Board
3300 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Ten Acres



← One Mile →

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 8 Twp. 12 N Rge. 14 W

OPTIONAL INFORMATION

Latitude _____

Longitude _____

Number of wells in 10 acre tract _____

Well No. (if applicable) 8-17-20-7

County Custer

Variance Request No. (if applicable) _____

Well Owner DD Schotes

Phone _____

Address/City/State _____

Zip _____

Finding Location SE Corner of Main & 8th Weather Road

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unconsolidated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00

Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

SEAL:

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 8 Twp. 12 N Rge. 14 W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) MW 9
 County Custer Variance Request No. (if applicable) _____
 Well Owner D.D. Schutes Phone _____
 Address/City/State _____ Zip _____
 Finding Location SE corner of Main & 8th Weatherford OK

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

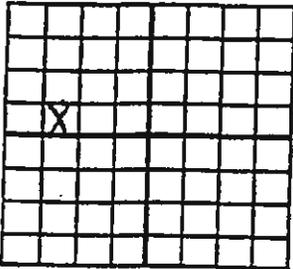
**MULTI-PURPOSE COMPLETION REPORT
MONITORING WELLS**

Please Plot Well Location

Ten Acres



← One Mile →



Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 8 Twp. 12 N Rge. 14 W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____

Well No. (if applicable) RW 2

County Custer

Variance Request No. (if applicable) _____

Well Owner D.D. Schutes

Phone _____

Address/City/State _____ Zip _____

Finding Location SE corner of Main & 8th Weatherford Ok

TYPE OF WORK

- Geotechnical Boring
- Site Assessment Observation Well
- Monitoring Well
- Vapor Extraction Well
- Unsaturated Zone Monitoring Well
- Plugging
- Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 8 Twp. 12 N Rge. 14 W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) MW 6
 County Custer Variance Request No. (If applicable) _____
 Well Owner D.D. Schutes Phone _____
 Address/City/State _____ Zip _____
 Finding Location SE corner of Main 8th Weatherford
OK

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

SEAL:

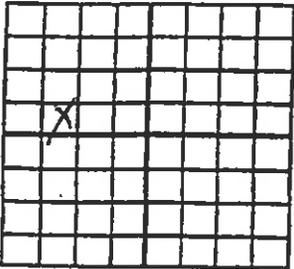
MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →



Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 8 Twp. 12 N Rge. 19 W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____

Well No. (if applicable) 11-18

County Custer

Variance Request No. (if applicable) _____

Well Owner D. D. Schotes

Phone _____

Address/City/State _____

Zip _____

Finding Location SE corner of Main & 9th Weatherford OK

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 8 Twp. 12N Rge. 14W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____

Well No. (if applicable) 20A-22

County Custer

Variance Request No. (If applicable) _____

Well Owner D D Schutes

Phone _____

Address/City/State _____ Zip _____

Finding Location SE corner of Main & 8th Weatherford OK

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Please Plot Well Location

Ten Acres



← One Mile →

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 8 Twp. 12N Rge. 14W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) 101-1243-19-104-103-15
 County Custer Variance Request No. (if applicable) _____
 Well Owner D.D. Schutes Phone _____
 Address/City/State _____ Zip _____
 Finding Location SE corner of Main & 8th Weatherford OK

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started 3-27-00 Date Completed 3-31-00

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

CONTACT SHEET

OCC: LJB

PAGE 1 OF 1

DATE: 4/25/00

CASE NUMBER: 064- 477

NAME: Doug Vicent.

PHONE #: 528 7016 X120

COMPANY: _____

CITY: _____

ADDRESS: _____

WHO CALLED: Circle Category

OCC Returned Other

RE: _____

VISIT: _____

MW 102 - need to have Arlie Kamburger
accept responsibility for plugging well
before I can close Schute. J

8th Street Station Request for Reopening Case 064-0477



file

Engineering and Environmental Consultants

July 11, 2005

Mr. Brooks Mitchell
Director
PST Division
Oklahoma Corporation Commission
Jim Thorpe Building
Oklahoma City, Oklahoma 73152

2012701

2005 JUL 11 PM 4:06

RECEIVED
PST DIVISION

RE: Request to Reactivate Former LUST Cases #064-477 & 064-1058 in Weatherford, Oklahoma

Dear Mr. Mitchell:

GMR & Associates, Inc. (GMR) requests reactivation of former LUST cases 064-477 (D.D. Schutes) and 064-1058 (Arlie's Used Cars) located on the southeast and southwest corners of 8th Street and Main Street in Weatherford, Oklahoma, respectively. Both cases were closed under ORBCA risk assessment in April 2000, with free product present at the sites.

Free product was present in three wells (AMW-101, AMW-102, and AMW-201) at the Arlie's Used Cars, located on the southwest corner 8th & Main Street. At the time of closure free product thicknesses ranged from 0.5' to over 3' in these wells. The lateral extent of the free product plume was not delineated prior to case closure. A Site Map showing well locations for both sites is attached for review.

The Schutes site (formerly dba 8th Street Station) also had three monitor wells (MW-12, MW-20, & MW-21) with free product present at the time of case closure. Several of the monitor wells at this site were destroyed so the free product plume was not fully delineated prior to closure. Historically, free product thicknesses fluctuated in these wells from 0.25' to over 2'.

Both of these sites are located over the Rush Springs Sandstone (Aquifer). The Rush Springs sandstone is widely used for domestic, irrigation, and municipal water sources. A map showing known water well locations is also attached for your review. Well location data was collected from the OWRB database, Bentley Environmental Engineering, Inc. ORBCA Tier 1/1A & 2 reports, and phone conversations with locals.

Mr. Brooks Mitchell
Request to Re-activate Cases 064-477 & 064-1058
Weatherford, Oklahoma
July 11, 2005
Page Two

As previously stated, GMR request the OCC re-activate the aforementioned cases to delineate the free product plumes and, as funds become available, remediate the sites prior to closure. If you should require additional information or would like to discuss these cases further, please don't hesitate to contact me at (918) 317-0240.

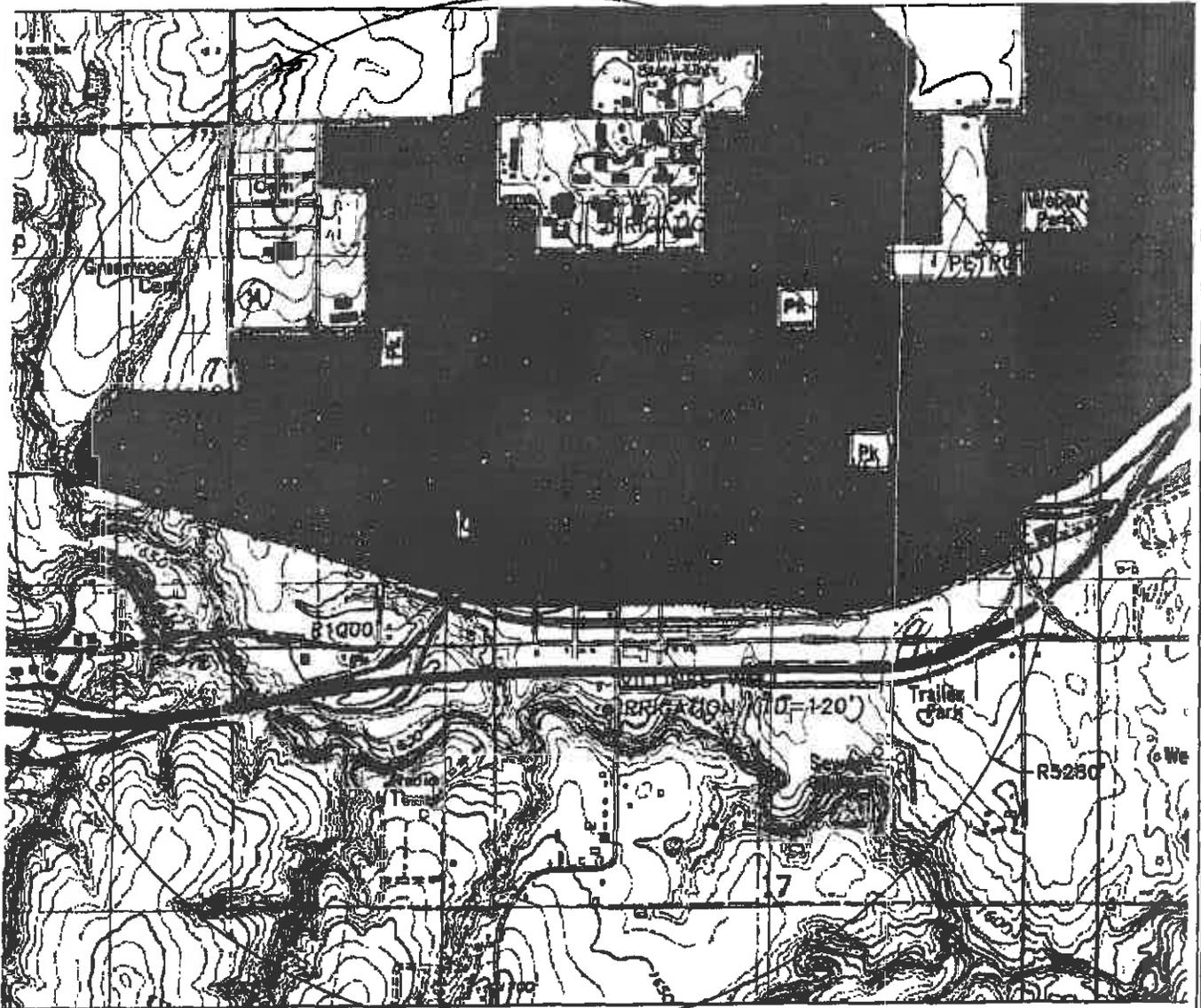
Sincerely,



Michael Majors
Vice President
Licensed UST Consultant #414

Attachments: *Site Map*
Water Well Location Map
Free Product Removal Table (previously submitted)
OWRB Well Logs - Payne & Bentley wells

cc: *GMR Project File - 96030 & 96052 (Archived)*
Arless Murray - GMR & Associates, Inc.

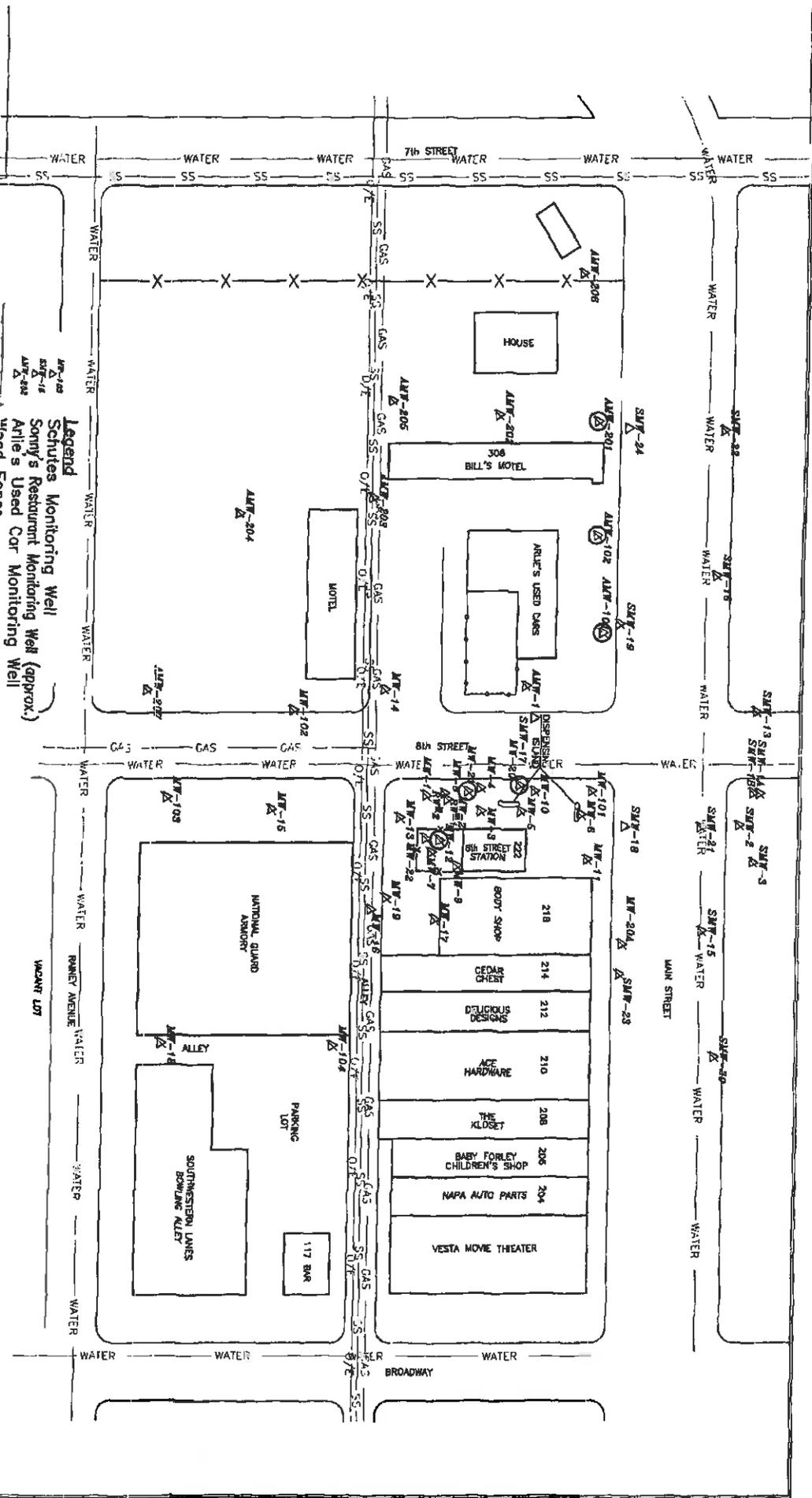


GMR

& Associates, Inc.
 3812 N. Santa Fe, Ste. 200
 Oklahoma City, Oklahoma 73118
 Phone: 405/528-7017, Fax: 405/528-3346

● WATER WELL NAME
 ● USE TYPE (DEPTH IN FEET)

WATER WELL LOCATION MAP
D.D. SCHUTES
WEATHERFORD, OKLAHOMA
OCC CASE #064-477



Legend

- ▲ Schutes Monitoring Well
- ▲ Sony's Restaurant Monitoring Well (approx.)
- ▲ Arlie's Used Car Monitoring Well
- ▲ Wood Fence
- Gas Line
- Water Line
- Sanitary Sewer
- Overhead Electric
- ▲ Plugged Monitoring Well
- Known Free Product Wells

Site Map
 D.D. Schutes
 Weatherford, Oklahoma
 OCC Case #064-477

GMR
 & Associates, Inc.
 Oklahoma City, Oklahoma
 Phone: (405) 8-0171 Fax: (405) 8-0172

QUARTERLY FREE PRODUCT REMOVAL REPORT

D.D. SCHUTES
 222 WEST MAIN STREET
 WEATHERFORD, OKLAHOMA
 OCC CASE NO. 064-0477

MW-20 FREE PRODUCT REMOVAL TABLE

DATE	10/01/98	10/09/98	10/16/98	**10/23/98	**10/30/98	**11/04/98	**11/13/98	**11/18/98	**11/25/98	**11/25/98
DEPTH TO FP (in feet)	-56.84	-56.75	-56.64	-56.84	-57.57	-57.55	-57.26	-57.15	-57.32	-57.32
DEPTH TO WATER (in feet)	-56.95	-57.05	-57.17	-57.15	-57.60	-57.86	-57.77	-57.38	-57.36	-57.36
FP THICKNESS (in feet)	0.11	0.30	0.53	0.31	0.03	0.31	0.51	0.23	0.04	0.04
TOTAL AMOUNT REMOVED (in gallons)	0.19	0.53	0.50	0.25	0.50	0.50	0.75	0.33	0.25	0.25

** Dates with passive skimmer installed

DATE	**12/11/98	**12/18/98	**12/23/98	**12/30/98	**01/08/99	**01/14/99	**01/21/99	**01/29/99	**02/05/99	**02/05/99
DEPTH TO FP (in feet)	-57.44	-57.08	-57.30	-56.62	-57.03	-57.25	-57.77	-57.70	-57.16	-57.10
DEPTH TO WATER (in feet)	-57.46	-57.20	-57.30	-57.09	-57.25	-57.77	-57.70	-58.07	-58.00	-58.00
FP THICKNESS (in feet)	0.02	0.12	0.00	0.47	0.22	0.52	0.86	0.91	0.90	0.90
TOTAL AMOUNT REMOVED (in gallons)	0.50	0.50	0.25	0.35	0.50	0.75	1.00	1.00	1.00	1.00

DATE	02/19/99	02/26/99	03/05/99	03/09/99	03/18/99	03/26/99	04/02/99	04/16/99	04/23/99	04/30/99
DEPTH TO FP (in feet)	-57.34	-56.85	-56.98	-56.91	-57.85	-57.21	-57.00	-57.22	-57.14	-57.12
DEPTH TO WATER (in feet)	-58.26	-58.20	-58.35	-57.86	-58.20	-58.36	-58.12	-58.31	-58.25	-58.27
FP THICKNESS (in feet)	0.92	1.35	1.37	0.95	0.35	1.15	1.12	1.09	1.11	1.15
TOTAL AMOUNT REMOVED (in gallons)	1.00	1.25	1.00	1.25	0.05	1.50	1.00	1.00	1.25	1.25

DATE	05/07/99	05/14/99	05/20/99	05/28/99	06/04/99	06/10/99	06/18/99	06/25/99	07/02/99	07/09/99
DEPTH TO FP (in feet)	-57.04	-56.92	-57.09	-57.10	-56.59	-57.82	-56.95	-56.92	-56.90	-57.35
DEPTH TO WATER (in feet)	-57.86	-57.82	-57.85	-57.97	-57.44	-58.82	-57.89	-57.92	-57.88	-58.10
FP THICKNESS (in feet)	0.82	0.90	0.76	0.87	0.85	1.00	0.94	1.00	0.98	0.75
TOTAL AMOUNT REMOVED (in gallons)	1.00	1.50	1.00	1.00	0.03	1.50	1.00	1.25	1.25	0.38

DATE	07/16/99	08/06/99	09/17/99	10/12/99	11/15/99	12/20/99				
DEPTH TO FP (in feet)	-57.00	-56.80	-56.97	-56.90	-56.97	-56.98				
DEPTH TO WATER (in feet)	-57.81	-58.26	-58.77	-58.64	-58.80	-58.90				
FP THICKNESS (in feet)	0.81	1.46	1.80	1.74	1.83	1.92				
TOTAL AMOUNT REMOVED (in gallons)	1.00	1.50	1.50	1.65	1.75	1.25				

BOLD NUMBERS indicate this quarters results

QUARTERLY FREE PRODUCT REMOVAL REPORT
D.D. SCHUTES
222 WEST MAIN STREET
WEATHERFORD, OKLAHOMA
OCC CASE NO. 064-0477

MW-21 FREE PRODUCT REMOVAL TABLE

DATE	03/26/99	04/02/99	04/16/99	04/23/99	04/30/99	05/07/99	05/14/99	05/20/99	05/28/99	06/04/99
DEPTH TO FP (in feet)	-56.60	-56.46	-56.65	-56.64	-56.61	-56.60	-56.46	-56.52	-56.58	-56.56
DEPTH TO WATER (in feet)	-56.64	-56.48	-56.69	-56.68	-56.71	-56.69	-56.56	-56.65	-56.65	-56.66
FP THICKNESS (in feet)	0.04	0.02	0.04	0.04	0.10	0.09	0.10	0.13	0.07	0.10
TOTAL AMOUNT REMOVED (in gallons)	0.09	0.03	0.04	0.05	0.09	0.05	0.13	0.09	0.04	0.03

DATE	06/10/99	06/18/99	06/25/99	07/02/99	07/09/99	07/16/99	08/06/99	09/17/99	10/12/99	11/15/99
DEPTH TO FP (in feet)	-56.60	-56.54	-56.50	-56.51	-56.51	-56.54	-56.50	-56.65	-56.55	-56.55
DEPTH TO WATER (in feet)	-56.63	-56.60	-56.55	-56.58	-56.54	-56.58	-56.68	-57.17	-57.36	-57.72
FP THICKNESS (in feet)	0.03	0.06	0.05	0.07	0.03	0.04	0.18	0.52	0.81	1.17
TOTAL AMOUNT REMOVED (in gallons)	0.04	0.04	0.04	0.05	0.01	0.04	0.11	0.33	0.50	0.75

BOLD NUMBERS Indicate this quarters results

DATE	12/20/99									
DEPTH TO FP (in feet)	-56.47									
DEPTH TO WATER (in feet)	-57.82									
FP THICKNESS (in feet)	1.35									
TOTAL AMOUNT REMOVED (in gallons)	0.85									

Joe Thacker

From: Joe Thacker
Sent: August 05, 2005 9:27 AM
To: Brooks Mitchell
Subject: GMR's Request to Reactivate 2-Adjoining Former LUST Cases (064-0477 & 064-1058)

Brooks,

Based on information supplied by GMR, the following conditions exist at these two sites:

- 1) 064-1058 - Case was closed with 1/2'->3' of FP in three (3) monitoring wells (of a total, 11-MWs).
- 2) 064-0477 - Case was closed with 1/4'->2' of FP in three (3) monitoring wells (of a total, >20 MWs).
- 3) Depth to water/FP in this area is approximately 57'-60'
- 4) GMR is correct, this area is underlain by the Rush Springs Aquifer. I will have to check on whether the shallow water zone at 57' is a part of the Rush Spring producing interval in this area. I assume it is not since these cases were closed, even with the presence of FP.
- 5) The nearest producing water wells are >1200' to approximately 2000' away from the known occurrence of FP at these two sites. Both are irrigation wells, so neither would have a significant effect on CoC cleanup levels for these cases.
- 6) The 3-MWs containing FP at each of these two sites are surrounded by MWs that, apparently, did not produce FP. So, it looks to me that the extent of the FP plume at each site has effectively been delineated.

Based on GMR's reasoning, I am having a hard time agreeing with their recommendation to reopen these cases. But, I will discuss GMR's letter with Leonard on Monday, after he returns from Dallas. I want to know the criteria that was used to warrant their closing before reaching a conclusion. Will get back to you after I have had an opportunity to talk with Leonard.
Joe

Arlie's Used Cars ORBCA SSTLs

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

October 6, 1998

Case ID# 064-1058
Facility ID# 20-13377

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 582 305 552

Arlie's Used Cars
Attn: Mr. Arlie Hamburger
300 West Main
Weatherford, Oklahoma 73096

RE: Approval of the Tier 2 Report for site located at:

Arlie's Used Cars
300 West Main
Weatherford, Oklahoma

Dear Mr. Hamburger:

We have reviewed the Tier 2 Report and the amendments you submitted. This Tier 2 evaluation is approved as being in compliance with our rules. These modifications need to be assumed for the Site Conceptual Exposure Model (SCEM):

Commercial worker future conditions irrigation well with 120 days/exposure frequency, .3 L/day ingestion rate located 100 feet from source. Based on Chemicals of Concern (COCs) on this site, no further action appears to be required after free product has been removed and shown to be absent for 5 quarters.

Based on these modifications the Site Specific Target Levels (SSTLs) for cleanup at this site are:

	On-Site Soil (mg/Kg)	On-Site Groundwater (mg/L)
Benzene	730.75	40.41
Toluene	641.07	535.00
Ethylbenzene	1585.90	152.00
Xylenes (Mixed)	404.38	198.00
Naphthalene	N.A.	N.A.

Evidence that all current receptors have been properly notified in accordance with OAC Rule 165:25-3-78 must be submitted to the OCC on or before December 7, 1998. Receptors include both landowners and any lessees. Utility firms should be notified if the location of their utility is impacted. City, county, and/or state (Oklahoma Department of Transportation) governments should be notified if the shallow soils

and/or shallow groundwater impacted beneath the roadway and adjacent right-of-way.

Thank you for handling this matter in a professional and timely manner.

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Frank Vernon

Frank Vernon
Project Environmental Analyst

GFV:raw

cc:

Bentley Environmental
Attn: Mr. Jeff Fleming
204 N. Robinson, Suite 1600
Oklahoma City, Oklahoma 73102

Z 582 305 552

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

(064-1068)

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
 - 2. Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

ARLIE'S USED CARS
ATTN: MR. ARLIE HAMBURGER
300 WEST MAIN
WEATHERFORD, OK 73096

4a. Article Number

Z 582 305 552

4b. Service Type

- Registered
- Certified
- Express Mail
- Insured
- Return Receipt for Merchandise
- COD

7. Date of Delivery

10/15 *M*

5. Received By: (Print Name)

MRS. ARLIE HAMBURGER

6. Signature: (Addressee or Agent)

Mrs. Arlie Hamburger

8. Addressee's Address (Only if requested and fee is paid)

064-1058

Thank you for using Return Receipt Service.

Arlie's Used Cars ORBCA Tier 2 Risk Assessment

ORBCA TIER 2 RISK ASSESSMENT

OAC 165:25-3-76

**ARLIE'S USED CARS
300 WEST MAIN STREET
WEATHERFORD, OKLAHOMA**

**RECEIVED
LUST TRUST FUND**

JUL 30 1997

**OKLAHOMA CORPORATION
COMMISSION**

**OCC Case No. 064-1058
OCC Facility No. 20-13377**

for

**Oklahoma Corporation Commission
Jim Thorpe Building
2101 North Lincoln Boulevard
Oklahoma City, Oklahoma 73101**

By

**Bentley Environmental Engineering, Inc.
204 N. Robinson, Ste 1600
Oklahoma City, Oklahoma 73102
UST Licensed Consultant
William J. Fleming, #0413**

JULY 25 , 1997

ORBCA SUMMARY REPORT

Worksheet ES-1

LUST ID: ARLIE'S USED CARS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

EXECUTIVE SUMMARY

OCC CASE NUMBER:	ARLIE'S USED CARS		
OCC FACILITY NUMBER:	20-13377		
PRIORITIZATION INDEX NUMBER:	1.4		
FACILITY NAME AND ADDRESS:	ARLIE'S USED CARS, 300 W. MAIN, WEATHERFORD, CUSTER		
FACILITY LOCATION DESCRIPTION:	SW CORNER OF W. MAIN & 8TH STREET		
STATUS OF FACILITY:	<input type="checkbox"/> ACTIVE	<input checked="" type="checkbox"/> INACTIVE	
GROUND SURFACE CONDITION:	PAVED		
ESTIMATED VOLUME RELEASED:	UNKOWN		
IS NATIVE SOIL IMPACTED ON-SITE:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
IS NATIVE SOIL IMPACTED OFF-SITE:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
IS GROUNDWATER IMPACTED ON-SITE:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
IS GROUNDWATER IMPACTED OFF-SITE:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
HAS THE SOURCE OF THE RELEASE BEEN IDENTIFIED:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
HAS FREE PRODUCT ASSOCIATED WITH THIS RELEASE BEEN FOUND:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
HAS SURFACE WATER BEEN IMPACTED BY THIS RELEASE:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN
SHALLOWEST DEPTH TO GROUNDWATER ENCOUNTERED:	53.2 FEET		
AVERAGE DEPTH TO GROUNDWATER:	55.09 FEET		
HAS A DRINKING WATER SUPPLY BEEN IMPACTED BY THIS RELEASE:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> UNKNOWN

RECOMMENDATIONS

- CLOSURE UNDER TIER 1
- CLOSURE UNDER TIER 1-A
- REMEDIATE AND CLOSE UNDER TIER 1 OR TIER 1-A
- GO TO TIER 2
- REMEDIATE AND CLOSE UNDER TIER 2
- GO TO TIER 3
- REMEDIATE AND CLOSE UNDER TIER 3
- MONITOR FOR CLOSURE THROUGH NATURAL ATTENUATION

EXPLANATION OF RECOMMENDATIONS

The ORBCA risk analysis has been performed through Tier 2 using OCC guidelines to assist the regulator in determining SSTLs for BTEX chemicals. After evaluation of Tier 1A RBSLs by comparison with the center-weighted average concentrations for BTEX chemical in soil and groundwater, only one exposure pathway had a BTEX concentration which exceeded the Tier1A RBSL. Under future conditions, the commercial worker is exposed through ingestion of groundwater to benzene concentrations that exceed the relevant Tier1A RBSL. The presence of the free product plume has caused maximum BTEX concentration values in groundwater to be used for comparison with the Tier 1A RBSLs and in the calculation of center-weighted average concentrations. The use of the maximum values in the risk analysis is the principal influencing factor in the determination of whether unacceptable exposure exists. The installation of a well within the free product plume would obviously result in exposure through ingestion to maximum concentrations of BTEX chemicals.

ORBCA SUMMARY REPORT

Worksheet ES-2

LUST ID: ARLIE'S USED CARS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

EXECUTIVE SUMMARY

1 Current land use of the site if no longer an active UST/AST facility::

USED CAR LOT

2 Soil stratigraphy and analytical data summary:

*SILTY CLAY 0 - 26**SILT 26 - 50**SAND/SANDSTONE 50 - 60**SAND 60 - 64**Two monitor wells had a BTEX constituent and/or TPH/GRO concentration in soil over action levels.**Monitor well AMW-102 had benzene, toluene, ethylbenzene and TPH/GRO concentrations over action levels for soil. Monitor well AMW-201 had only TPH/GRO concentrations in soil over action levels.**At the adjacent D.D. Schutes site, Monitor wells MW-6, 7, 8, 11, and 20 had a BTEX constituent and/or TPH/GRO concentration over OCC action levels. MW-6 had all BTEX and TPH/GRO concentrations over action levels. Monitor wells MW-8, 11, and 20 had benzene and TPH/GRO concentrations over action levels.**Monitor well MW-7 had only TPH/GRO concentrations over action level.*

3 Groundwater data summary:

*Monitor wells AMW-101, 102, & 201 have had a free product thickness of 3.3, 2.97 and 1.35 feet respectively.**Monitor wells AMW-1, 202, and 203 have benzene, toluene, and TPH/GRO concentrations over action levels.**Monitor wells AMW-204, 205, 206, and 207 have BTEX and TPH/GRO concentrations below detection limits.**At the adjacent D. D. Schutes site, monitor wells MW-7, 8, 10, 11, 12, and 101 have free product. Monitor wells MW-13 and 20 have benzene, toluene, ethylbenzene, and TPH/GRO concentrations over action levels.*

ORBCA SUMMARY REPORT

Worksheet ES-3

LUST ID: ARLIE'S USED CARS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

EXECUTIVE SUMMARY

Monitor wells MW-14 and 15 have benzene and TPH/GRO concentrations over action levels.

Groundwater flow direction is southeast. Hydraulic conductivity is 0.7 feet/day. Groundwater flow velocity is 0.011 feet/day. The hydraulic gradient is 0.006.

4 Risk assessment analysis:

SEE ATTACHED SHEETS FOR DETAILED SCENARIO SUMMARY.

PATHWAY SUMMARY:

Indoor vapor inhalation - Current Conditions, commercial worker

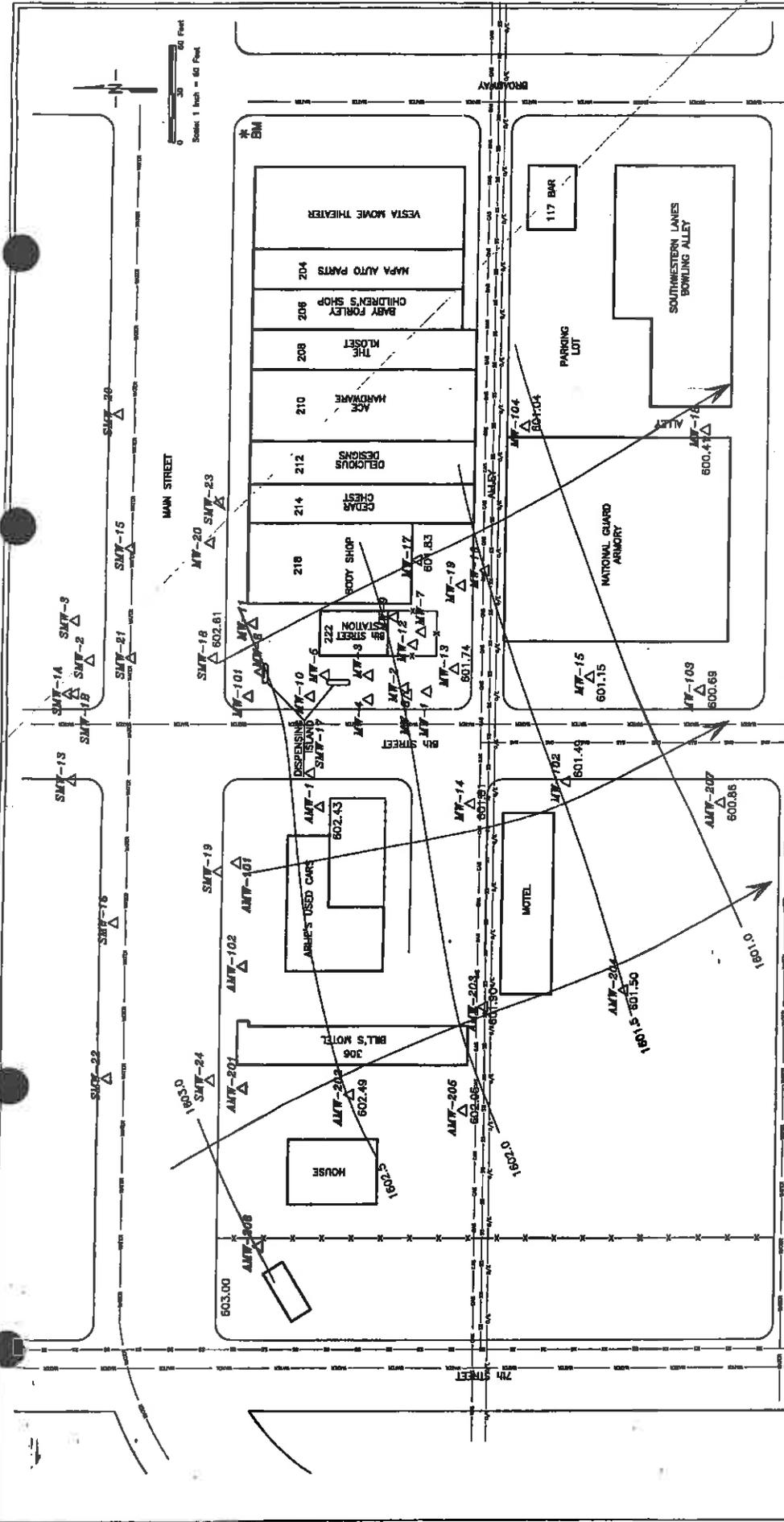
Indoor vapor inhalation - Future Conditions, resident

Allowable soil & groundwater - Future Conditions, resident

Ingestion of deep groundwater - Future conditions, commercial worker

5 Overall recommendations of risk assessment:

After evaluation of Tier IA RBSLs by comparison with the center-weighted average concentrations for BTEX chemicals in soil and groundwater, only one exposure pathway had a BTEX concentration which exceeded the Tier IA RBSL. Under future conditions, the commercial worker is exposed through ingestion of groundwater to benzene concentrations that exceed the relevant Tier IA RBSL.



Groundwater Gradient Map
 Arlie's Used Cars
 Weatherford, Oklahoma
 OCC Case #064-1058

- Legend
- Existing Monitoring Well
- SMW's Monitoring Well (approx.)
- Arlie's Used Car Monitoring Well
- Proposed Monitoring Well
- Fence
- BM
- BM Bench Mark = 1600 Feet Mean Sea Level
- Water Line
- Sanitary Sewer
- Overhead Electric
- Groundwater Flow Direction
- Groundwater Elevations Obtained 4/15/77

BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.

ORBCA SUMMARY REPORT

Worksheet #1

LUST ID:	ARLIE'S USED CARS	FACILITY ID:	20-13377
Date Form Completed:	07/03/97	Form Completed by:	JEFF FLEMING

FACILITY INFORMATION

Prioritization Index No.:	<u>1.4</u>
Facility Name:	<u>ARLIE'S USED CARS</u>
Facility Address:	<u>300 W. MAIN</u>
Facility City:	<u>WEATHERFORD</u>
Facility County:	<u>CUSTER</u>
Facility Location Description:	<u>SW CORNER OF W. MAIN & 8TH STREET</u>
Facility Owner/Phone No.:	<u>ARLIE HAMBURGER / 405-772-2012</u>
Owner Address:	<u>300 WEST MAIN</u>
Owner City/State/Zip:	<u>WEATHERFORD, OKLAHOMA 73096</u>
Facility Operator/Phone No.:	<u>ARLIE HAMBURGER / 405-772-2012</u>
Facility Latitude/Longitude:	<u>LAT = 35 33' 27" / LONG = 98 45' 36"</u>
Legal Location:	<u>SEC. 8 T12N R14W NW1/4 SW1/4 SW1/4</u>

List Previous names of this facility

1. _____
2. _____
3. _____

List Previous Owner(s) of this Facility with Address(es)

1. _____
2. _____
3. _____

Has this site ever had an emergency response? YES NO
 If yes, then was it: State Lead Owner/Operator Lead (Discuss under Additional notes, below)

I certify that all work has been conducted under my supervision and in accordance with the underground Storage Tank Rules and that I am aware that my misrepresentation of any of the information submitted herein is a violation of OAC 165:25-3-90.

<u>William J. Fleming</u>	<u>7-21-97</u>	<u>413</u>	<u>12/31/97</u>
Certified UST Consultant	Date Signed	Certification No.	Expiration Date
<u>WILLIAM J. FLEMING</u>		<u>Bentley Environmental Engineering, Inc.</u>	
(Print Name)		(Company Name)	

By signature below, I certify that I have reviewed this report for completeness

<u>Archie Hamburger</u>	<u>ARLIE HAMBURGER</u>	<u>7-2-97</u>
Responsible Party Signature	Responsible Party (Printed Name)	Date

Additional Notes:

Check One:

- | | |
|---|--|
| <input type="checkbox"/> Form UST 374-1, Page 1 | <input checked="" type="checkbox"/> Form UST 376, Page 1 |
| <input type="checkbox"/> Tier 1 | <input checked="" type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 3 |

ORBCA SUMMARY REPORT

Worksheet #3

LUST ID: ARLIE'S USED CARS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

UNDERGROUND STORAGE TANK TYPE

If the UST is active, check "YES" and if inactive, check "NO". Provide the installation date if the UST is active and the excavation date if the UST is inactive. A site map denoting Tank Number(s) is required.

Tank Number(s)	Product	Tank Registration ID Number	Capacity	Active	Installation Date	Removal Date	Closure in place Date	Temporary out of use Date
1	gasoline	20-13377-1	5000	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			2/7/94	
2	gasoline	20-13377-2	5000	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			2/7/94	
3	diesel	20-13377-3	5000	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			2/7/94	
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				
				YES <input type="checkbox"/> NO <input type="checkbox"/>				

Additional Notes:

Check One:

- Form UST 374-1, Page 3
- Form UST 376, Page 3
- Tier 1
- Tier 2
- Tier 3

ORBCA SUMMARY REPORT

Worksheet #4

LUST ID: **ARLIE'S USED CARS** FACILITY ID: **20-13377**

Date Form Completed: **03-Jul-97** Form Completed by: **JEFF FLEMING**

LAND USE SUMMARY

The purpose of this worksheet is to identify existing and reasonable beneficial uses for land.

CURRENT LAND USE			COMMENTS
	Current	Prior	
Residential	<input type="checkbox"/>	<input type="checkbox"/>	
Non-residential	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Downtown Weatherford on Main Street</i>
Sensitive/special	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

Distance and direction to the nearest residence (feet): 300 FEET TO TRAILER PARK

Distance and direction to any environmentally sensitive area (feet) within a 1/2 mile (Define in Notes): _____

1500 feet south to Little Deep Creek

Distance and direction to the nearest school, hospital, day care, retirement home, etc., (feet) (specify facility): _____

Northeast 1600 feet to Thompson School

Distance and direction to the nearest commercial/industrial site (feet) (specify): 0.0 FEET WEST

Notes:

FUTURE LAND USE		COMMENTS
	Potential	
Residential	<input type="checkbox"/>	
Non-residential	<input checked="" type="checkbox"/>	<i>Downtown Weatherford on Main Street</i>
Sensitive/special	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

Notes:

Site has been in downtown district of Weatherford since at least 1938. Downtown area in very unlikely to change to any other use.

Check One:

- Form UST 374-1, Page 4
 Form UST 376, Page 4
 Tier 1
 Tier 2
 Tier 3

ORBCA SUMMARY REPORT

Worksheet #5

LUST ID: ARLIE'S USED CARS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

CHRONOLOGY OF EVENTS

Date	Instructions: Describe potential sources and spill events, including location type and estimated volume of materials stored or released, time and duration of release, and affected media (soil, groundwater, etc.). Describe monitoring well installation, soil boring activities, and slug tests. Discuss past corrective action efforts as appropriate.
Prior to 1980	<p><i>Site operated as gasoline service station</i></p> <p><i>UST's out of service since Decemer 1980.</i></p>
02/24/94	<p><i>Confirmed release filed with OCC by National Environmental Systems, Inc. (NESI).</i></p> <p><i>Release discovered during tank closure.</i></p>
03/14/94	<p><i>Initial Response Report and Site Check Report filed with OCC by NESI.</i></p>
03/14/94	<p><i>Initial Response Report and Site Check Report approved by OCC,</i></p>
04/05/94	<p><i>Initial Site Characterization Report filed with OCC NESI.</i></p>
04/29/94	<p><i>ISC approved by OCC.</i></p>

Check One:

- Form UST 374-1, Page 5
- Form UST 376, Page 5
- Tier 1
- Tier 2
- Tier 3

[1 of]

ORBCA SUMMARY REPORT

Worksheet #5

LUST ID: **ARLIE'S USED CARS**FACILITY ID: **20-13377**Date Form Completed: **03-Jul-97**Form Completed by: **JEFF FLEMING****CHRONOLOGY OF EVENTS**

04/20/94	<i>Investigation for Soil and Groundwater Cleanup, a Remediation Plan, and Notice of Public Participation filed with OCC by NESI and subsequently denied by OCC.</i>
03/01/96	<i>Bentley Environmental Engineering, Inc. contracted to complete ISGC and Remediation Plan.</i>
7/24 to 07/25/96	<i>Four monitor wells installed by BENTLEY.</i>
05/01/97	<i>Two additional monitor wells installed by BENTLEY.</i>
	<i>ORBCA completed and submitted to OCC by BENTLEY.</i>

Check One:

- Form UST 374-1, Page 5 Form UST 376, Page 5
 Tier 1 Tier 2 Tier 3

[2 of]

ORBCA SUMMARY REPORT

Worksheet #6

LUST ID: **ARLIE'S USED CARS**

FACILITY ID: **20-19377**

Date Form Completed: **03-Jul-97**

Form Completed by: **JEFF FLEMING**

RELEASE CHARACTERIZATION

Release discovered during/by:

- UST Removal
- Release Detection Equipment
- Property Transaction
- Inventory Control
- System Tightness Testing
- Citizen Complaint
- Spill Incident
- Unknown
- Other (specify)
- Closure in Place

Pumping Mechanism

- Pressure
- Suction
- Unknown

Sources of Release(s):

- Spills/overfills
- Piping
- Dispenser
- Tank
- Other (specify)
- Unknown

The USTs on site are not the source of the current free product

Substance Released (check all that apply)

- Gasoline
- Diesel
- Used Oil
- AV Gas
- Jet Fuel
- Hydraulic Fluid
- Other

Has the source of release been identified?

- YES
- NO

Has the release been eliminated?

- YES
- NO

Is groundwater impacted?

- On-site
- Off-site
- Unknown
- NO

Is surface water impacted?

- On-site
- Off-site
- Unknown
- NO

Is native soil impacted?

- On-site
- Off-site
- Unknown
- NO

Dissolved phase extent:

Has NAPL been found at this site?

- YES
- NO

If YES, does NAPL extend off-site?

- YES
- NO

If YES, denote greatest thickness (to the nearest 1/100 foot):

3.3'

If YES, has Free Product removal been initiated?

- YES
- NO

If NO, cite reason:

Details of the Release(s)

Date Discovered	Location	Quantity
Feb. 1994	300 W. Main	unknown

Notes: *The fresh free product migrating onto this site (AMW-101, AMW-102, & AMW-201) from upgradient has been released from the Phillips 66 station. The Phillips station is the only station with active USTs at this intersection. All the USTs at the other facilities at this intersection have been inactive or removed since 1994 or earlier.*

Check One:

- Form UST 374-1, Page 6
- Form UST 376, Page 6
- Tier 1
- Tier 2
- Tier 3

(Attach additional sheets if necessary)

ORBCA SUMMARY REPORT

Worksheet #7

LUST ID: **ARLIE'S USED CARS**

FACILITY ID: **20-13377**

Date Form Completed: **03-Jul-97**

Form Completed by: **JEFF FLEMING**

UST/PIPING REMOVAL CHARACTERIZATION

NOTE: A separate Worksheet # 7 must be filled out for each UST/AST system removal

Date of removal: _____

Excavated Soil

Tank No.: _____

Capacity(ies): _____

Date: _____

Quantity: _____

Details of Excavated Soil

- Stockpiled on-site
- Disposed off-site*
- Used (as fill material...) on-site
- Used as road base*
- Soil farm*

Date	Quantity	Location
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Confirmatory soil samples collected after excavation in native soil

YES NO

Include the data in Worksheet # 10

Sampling of excavated soil

YES NO

Include the data in Worksheet # 10 only if disposed on-site

Groundwater sampling during excavation

YES NO

Include the data in Worksheet # 11

Status of excavation:

- Open with water
- Open/dry
- Barricaded
- Backfilled
 - with excavated soil with clean fill
 - Pervious cover Impervious cover
- Other

NOTE: A SITE MAP, TO SCALE, DEPICTING SAMPLING LOCATIONS AND ANY USTs, AST's, PIPING RUNS, AND DISPENSER ISLANDS IS REQUIRED

Depth BGS to base of UST pit: _____

Was UST pit over-excavated?

YES NO

If YES, cite dimensions (in feet) and give direction(s): _____

Was piping trench over-excavated?

YES NO

If YES, cite dimensions (in feet) and give direction(s): _____

Additional Notes:

* Provide as attachments all copies of letters, permits, ect., for off-site removal.

Check One:

- Form UST 374-1, Page 7
- Form UST 376, Page 7
- Tier 1
- Tier 2
- Tier 3

[1 of]

ORBCA SUMMARY REPORT

Worksheet #10

JUST ID: ARLIS USBD CANS

FACILITY ID: 20-13377

Date Form Completed: 03-Jul-97

Form Completed by: JEFF FLEMING

ANALYTICAL DATA SUMMARY FOR SOIL

Chemical levels detected during soil borings, and UST/piping removal activity

MW No./Sample Location	Sampling Date	Sample Depth [ft.]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylene [mg/kg]	Naphthalene [mg/kg]	TPH/GRO [mg/kg]	TPH/DRO [mg/kg]	OTHERS
AMW-1	3/24/94	25	ND	0.63	1.3	7.3		420		
AMW-101	8/8/94	58	ND	ND	ND	0.47		3	66	
AMW-102	8/8/94	60	5.8	60	29	180		320	1700	
AMW-201	11/1/94	56	0.308	4.566	4.901	15.985		448	578	
AMW-202	11/1/94	58	ND	0.014	ND	0.006		250	4.47	
AMW-203	11/3/94	70	ND	ND	ND	ND		130	ND	
AMW-204	7/23/96	54 - 56	ND	ND	ND	ND		ND		
AMW-205	7/24/96	28 - 30	ND	ND	ND	ND		ND		
AMW-206	7/25/96	25 - 30	ND	ND	ND	ND		ND		
AMW-207	7/25/96	25 - 30	ND	ND	ND	ND		ND		

NUMBER OF DETECTIONS(S)		AVERAGE		STD. DEVIATION		MAXIMUM	
7	10	5.082	34.490	14.376	71.139	644.308	587.118
		9.866	82.673	26.688	165.467	1208.483	785.203
			264.000	81.500	572.000	4521.000	1700.000

NOTE: Provide any laboratory analytical data sheets not previously submitted to the OCC ND and NO OVA values are ignored for calculating the average and standard deviations.

Check One: Form UST 374-1, Page 10 Form UST 376, Page 10 Tier 1 Tier 2 Tier 3

(1 of 1)

ORBCA SUMMARY REPORT

LIST ID: ARJRS USED CARS

Date Form Completed: 03-Jul-97

FACILITY ID: 20-13377

Form Completed by: JEFF FLEMING

ANALYTICAL DATA SUMMARY FOR SOIL

Worksheet #10

Chemical levels detected during soil borings, and UST/piping removal activity

MW No./Sample Location	Sampling Date	Sample Depth [ft.]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylene [mg/kg]	Naphthalene [mg/kg]	TPH/GKO [mg/kg]	TPH/DRO [mg/kg]	OTHERS
MW-1		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-2		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-3		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-4		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-5	3/14/92	4	ND	0.3	ND	1.2		3		
MW-6	3/14/92	4	37	264	81.5	572		4521		
MW-7	3/14/92	11	ND	ND	1.9	10.5		260		
MW-8	3/14/92	65	1.1	8.75	2.5	12.7		174		
MW-9		TD = 4 - 6'	NA	NA	NA	NA		NA		
MW-10	2/2/93	30 - 40	0.09	2.9	5.8	40		1216		
MW-11	2/2/92	60 - 62	0.73	2.3	2.3	13		423		
MW-12	2/2/92	64	ND	ND	ND	ND		ND		
MW-13	1/25/93	64	ND	ND	ND	ND		ND		
MW-14	1/25/93	64	ND	ND	ND	ND		ND		
MW-15	1/25/93	64	ND	ND	ND	ND		ND		
MW-16	1/25/93	64	ND	ND	ND	ND		ND		
MW-101	10/27/93	40	ND	ND	ND	ND		ND		
MW-102	10/27/93	6	ND	ND	ND	ND		ND		
MW-103	10/27/93	4	ND	ND	ND	ND		ND		
MW-104	10/27/93	30	ND	ND	ND	ND		ND		
MW-17	5/7/96	64 - 66	ND	ND	ND	ND		ND		
MW-18	5/7/96	54 - 56	ND	ND	ND	ND		ND		
NUMBER OF DETECTION(S)			7	10	9	12	--	13	4	--
AVERAGE			5.082	34.490	14.376	71.139	--	644.308	587.118	--
STD. DEVIATION			9.866	82.673	26.688	165.467	--	1208.483	785.203	--
MAXIMUM			27.000	264.000	81.500	572.000	--	4521.000	1700.000	--

NOTES:

Provide any laboratory analytical data sheets not previously submitted to the OCC
 ND and NS values are ignored for calculating the average and standard deviations.

Check One:

- Form UST 374-1, Page 10
- Tier 1
- Form UST 374, Page 10
- Tier 2
- Tier 3

12 of 1

Arlie's Used Cars Free Product Removal Report



Leonard Bilingsley

FREE PRODUCT REMOVAL REPORT
OAC Rule 165:25-3-75

CASE NUMBER **064-1058**
FACILITY NUMBER **20-13377**

SITE LOCATION

Facility Name Arlie's Used Cars
Contact Person/Phone No. Mr. Arlie Hamburger / (580)772-2012
Street Address, City, County 300 West Main, Weatherford, Custer

Owner/Operator's Signature Arlie Hamburger Date 2-25-00
By signing above the Owner/Operator affirms that all of the information in this 14-page report is true and correct to the best of his/her knowledge.

Owner/Operator Mr. Arlie Hamburger
Contact Person/Phone No. Mr. Arlie Hamburger, (580)772-2012
Address, City, State, Zip 300 West Main, Weatherford, Oklahoma 73096

Consultant's Verification Signature Michael Majors Date 2/15/00
Consultant and Firm Mr. Michael Majors, Bentley Environmental Engineering, Inc.
Phone Numbers: Voice: (405)528-7016 ext. 121 Fax: (405)528-3346 Pager/Cell: (405)202-5976

E-Mail Address: mmajors@bentleyenviro.com
PSTD License Number: 459 Expiration Date: 12/00

This report is being submitted:

Within 45 days of the initial discovery of free product.
If so, date free product was first discovered:

As a Quarterly Free Product Removal Report.
If so, list the dates for the start and end of this quarter: 10/1/99 - 12/31/99

FREE PRODUCT CONDITIONS

1. Submit a map that shows the location of all wells and substructures that contain free product. Also show the location of any obvious nearby receptors, including basements, utilities, water wells, etc. Please include a dashed delineation line for the free product.
2. Describe the type of free product (gasoline, diesel, mixture, etc.). gasoline
3. What was the source of the free product? Dispenser Piping
UST Former System Unknown
4. Has the leak source been repaired, or removed? yes Describe how: repaired

2000 FEB 23 PM 3:26
PERMISSION TO REPRODUCE THIS REPORT IS GRANTED BY THE STATE OF OKLAHOMA

Handwritten signature and date: 2/15/00

5. Is the free product plume delineated? yes
6. List (or submit a table of) the monitoring wells containing free product and identify the most recent measurement of product (thickness and depth to). *Example: MW-1 / 0.75 ft / 15.26 ft*

<u>MW-101 / 1.21 ft. / 56.23 ft.</u>	<u>MW-211 / no FP / 56.69 ft.</u>
<u>MW-102 / 1.67 ft. / 55.32 ft.</u>	<u>MW-212 / no FP / 55.35 ft.</u>
<u>MW-201 / 0.09 gal. / 54.32 ft.</u>	<u>MW-213 / no FP / 56.70 ft.</u>
<u>MW-208 / no FP / 53.86 ft.</u>	<u>SMW-24 / 0.51 ft. / 53.63 ft.</u>
<u>MW-209 / 0.35 ft. / 55.53 ft.</u>	<u>SMW-19 / 0.90 ft. / 55.59 ft.</u>
<u>MW-210 / 0.92 ft. / 56.48 ft.</u>	<u>SMW-17 / 0.36 ft. / 55.45 ft.</u>

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 2000 FEB 28

7. If a permanent free product removal system is installed, indicate how long the system was shut down (to allow the subsurface conditions to stabilize) prior to measurement of the wells. Also list any factors that would prevent an accurate measurement of the fluids in a well. If it is very difficult or expensive to perform this stabilization task (such as for a remote location) list a nearby well that you are monitoring to represent fluctuations of the water table.

FREE PRODUCT REMOVAL – INTERIM MEASURES

Interim free product removal measures may include bailing, pumping with a non-dedicated pump, truck-mounted extraction or any other method that is only periodically applied when consulting personnel are on site. **The PSTD has found that these methods are usually not very effective and/or cost efficient and should only be used until a permanent system has been installed.** Describe the interim measure, frequency of which it is employed and the wells utilized for recovery. If vapor extraction is utilized describe how the concentration of vapors is translated into a quantity of free product recovered.

Hand bailing is employed on a monthly basis on monitor wells MW-208, MW-209, MW-210, MW-211, MW-212, MW-213, SMW-24, SMW-19, and SMW-17. Passive Skimmer units are utilized for FP recovery on monitor wells MW-101, MW102, and MW-201.

FREE PRODUCT REMOVAL – PERMANENT SYSTEM

Describe how the system works and the depth any equipment is installed in each and every well. In-well equipment that does not float freely with the free product must be maintained at a depth that allows it to effectively remove the free product. List the screen interval of all wells that are part of the system. Include on the map a layout of the system, including any pipe trenches, tanks and housing for surface equipment. Systems should be designed and operated so as to maximize product recovery and minimize water recovery.

DISPOSITION of RECOVERED FLUIDS

What was the quantity of fluids recovered during this reporting interval (quarter)?

Free Product 11.3 gal. Water 54.55 gal.

What was the quantity of fluids removed from the site during this reporting interval (quarter)?

Free Product 0.00 gal. Water 0.00 gal.

How are the fluids stored on site? If drummed list the number of drums on site at the end of this reporting period. Give the capacity of any tank used. Indicate the storage area on the map. Are the containers properly labeled according to local, state and federal regulations and indicate the type of fluid being held? Fluids are stored on site. Yes

If recovered water is being discharged off site list the city or state agency that issued the permit. On the map indicate the discharge pathway and the location of any oil/water separator or water-treatment system that is used.

REQUIRED GRAPH(S)

This report must include a graphical presentation of product thicknesses and ground-water levels (y-axis) versus time (x-axis) or periodic product recovery amounts and ground-water levels (y-axis) versus time (x-axis). The scale of the side of the y-axis should be narrowed to only include the maximum fluctuations of ground-water levels, product thicknesses and recovered amounts.

The first graph type (product thicknesses) should be used when interim measures are employed; when permanent systems can be periodically disengaged for fluid measurements; or monitoring to prove that all free product has been removed. A graph of this type needs to be submitted for each well with free product and must show the screened interval of the well.

The second graph type (f.p. recovery amounts) should be used for permanent systems that cannot be periodically disengaged and water level measurements must be obtained from a nearby monitoring well. The quantities of recovered product and water level measurements should be recorded at least once per month.

The PSTD has noted that there usually is a strong relationship between product thickness (or accumulation) and the elevation of the water table. You should note where the water table is when maximum recovery is occurring. Then you can respond by adjusting your system (the in-well equipment) or increasing the frequency of interim measures. Cessation of free product recovery efforts or monitoring will be granted when the water table moves through this zone and no more product accumulates. Please include any tables, charts, cross-sections, photographs (digital or otherwise), copies of waste manifests or permits that will assist the PSTD in managing this case.

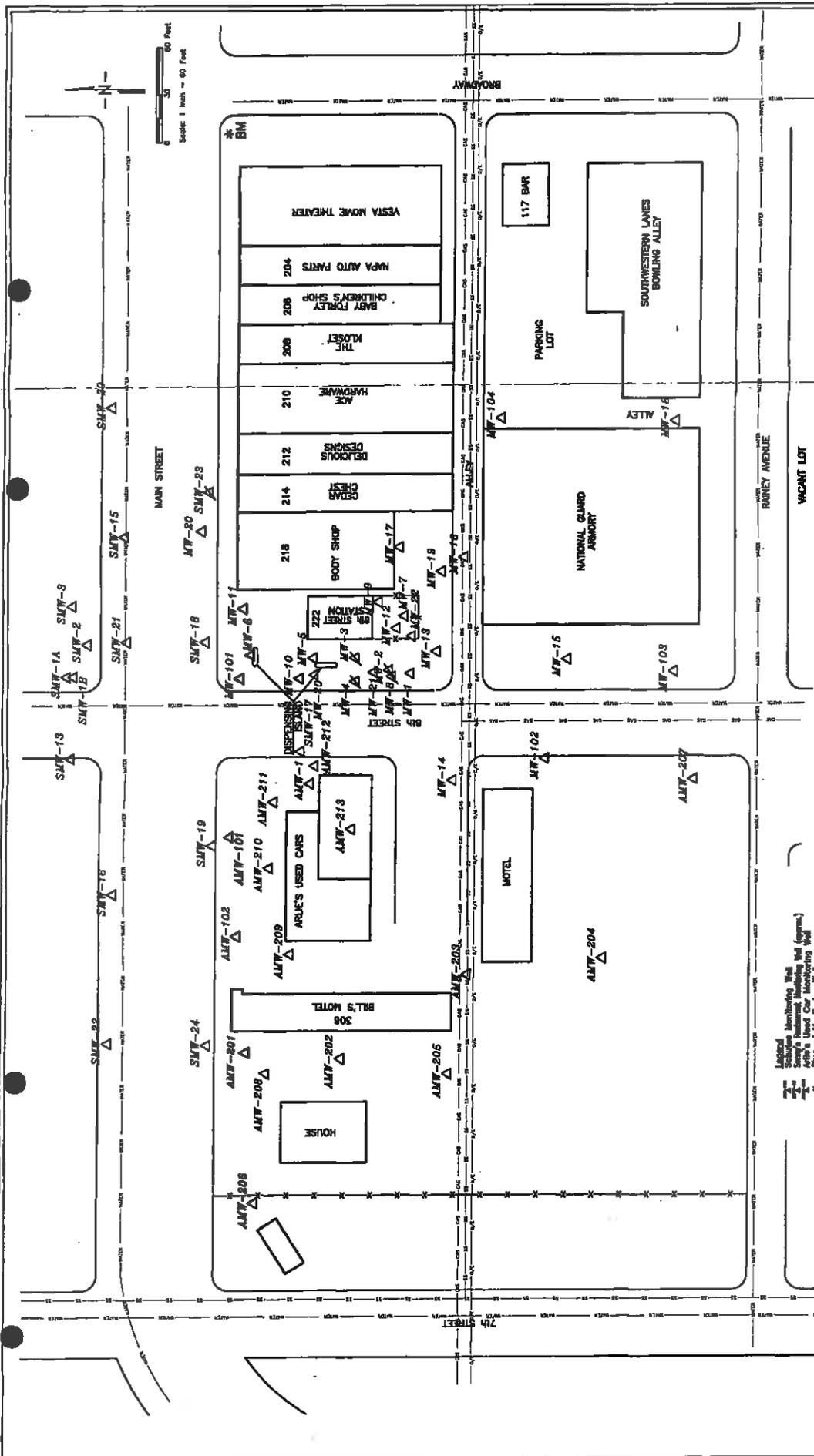
PSTD Reviewer



Approve [] Deny []

Date

5/25/00



- Legend**
- Solution Monitoring Well
 - Arlie's Used Cars Monitoring Well (Copper)
 - Arlie's Used Cars Monitoring Well
 - Physical Monitoring Well
 - Wood Pile
 - BM Bench Mark = 1800 Feet Mean Sea Level
 - Gas Line
 - Water Line
 - Sewer Line
 - Overhead Electric
 - Gas A
 - Free Product Well

Exhibit No. 1
Site Map
Arlie's Used Cars
Weatherford, Oklahoma
OCC Case #064-1058

BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.

QUARTERLY FREE PRODUCT REMOVAL REPORT
 ARLIE'S USED CARS
 OCC CASE NO. 064-1058

MW-101 FREE PRODUCT RECOVERY TABLE

DATE	04/04/97	04/16/97	04/25/97	05/20/97	06/20/97	06/20/97	07/09/97	07/18/97	08/01/97	08/08/97	08/15/97	08/22/97	09/05/97	09/12/97	09/19/97	09/24/97
DEPTH TO FP (in feet bgs)	-56.43	-56.87	-56.80	-56.95	-56.50	-56.48	-56.64	-56.44	-56.38	-56.38	-56.31	-56.28	-56.24	-56.18	-56.22	-56.24
DEPTH TO WATER (in feet bgs)	-57.01	-58.84	-59.82	-59.18	-59.07	-58.80	-58.67	-58.55	-58.33	-58.43	-58.46	-58.46	-58.39	-58.33	-58.44	-58.33
TOTAL THICKNESS (in feet)	1.48	2.97	3.12	2.53	2.46	2.39	1.92	2.23	2.17	1.95	2.12	2.18	2.15	2.15	2.22	2.09
TOTAL AMOUNT REMOVED (in gallons)	1.75	2.00	2.50	1.75	1.75	1.75	1.50	1.75	1.50	1.25	1.50	1.50	1.50	1.75	1.75	1.50

DATE	10/04/97	10/10/97	10/18/97	10/24/97	10/24/97	11/07/97	11/14/97	11/28/97	12/04/97	12/12/97	12/19/97	12/24/97	01/05/98	01/12/98	01/19/98	02/02/98
DEPTH TO FP (in feet bgs)	-56.19	-56.17	-56.10	-55.92	-55.93	-56.00	-56.20	-56.13	-55.90	-56.03	-55.92	-55.77	-55.78	-55.67	-55.83	-55.76
DEPTH TO WATER (in feet bgs)	-58.33	-58.45	-58.19	-58.06	-58.32	-58.23	-58.57	-58.53	-58.30	-58.23	-58.27	-57.88	-58.07	-57.94	-57.85	-58.28
TOTAL THICKNESS (in feet)	2.14	2.28	2.09	2.14	2.39	2.23	2.37	2.40	2.37	2.40	2.29	2.11	2.40	2.18	2.42	2.51
TOTAL AMOUNT REMOVED (in gallons)	1.75	2.25	1.75	1.75	2.00	2.00	2.25	2.00	2.50	2.00	2.00	1.50	2.00	1.75	2.00	2.25

DATE	02/27/98	03/08/98	03/20/98	03/28/98	04/03/98	04/17/98	04/24/98	05/02/98	05/09/98	05/15/98	05/22/98	05/29/98	06/05/98	06/12/98	06/19/98	06/26/98	07/02/98
DEPTH TO FP (in feet bgs)	-55.81	-55.75	-55.79	-55.54	-55.83	-55.85	-55.52	-55.63	-55.73	-55.59	-55.60	-55.62	-55.85	-55.09	-55.68	-55.90	-55.80
DEPTH TO WATER (in feet bgs)	-57.80	-57.71	-57.85	-57.47	-57.82	-57.76	-57.25	-57.35	-57.21	-57.20	-57.09	-57.05	-57.10	-57.09	-57.03	-57.12	-57.13
TOTAL THICKNESS (in feet)	2.09	1.96	2.08	1.93	1.99	1.91	1.73	1.72	1.48	1.61	1.49	1.43	1.25	2.00	1.35	1.22	1.35
TOTAL AMOUNT REMOVED (in gallons)	1.75	2.00	1.75	1.50	1.50	1.50	1.25	1.25	1.00	1.00	1.25	1.25	1.00	1.25	1.00	1.00	1.00

DATE	07/17/98	07/24/98	07/31/98	08/07/98	08/13/98	08/21/98	08/28/98	09/02/98	09/12/98	09/19/98	09/25/98	10/02/98	10/09/98	10/16/98	10/23/98	10/30/98	11/04/98	11/11/98
DEPTH TO FP (in feet bgs)	-55.76	-55.83	-55.98	-55.80	-55.80	-55.89	-55.98	-55.91	-55.94	-55.96	-55.97	-56.00	-56.04	-56.02	-56.15	-56.15	-56.10	-57.00
DEPTH TO WATER (in feet bgs)	-57.03	-57.10	-57.15	-57.06	-56.93	-57.15	-57.12	-57.01	-57.09	-56.93	-56.82	-56.83	-56.82	-56.81	-56.97	-56.91	-56.85	-56.78
TOTAL THICKNESS (in feet)	1.87	1.27	1.17	1.25	1.05	1.26	1.14	1.10	1.14	1.07	0.93	0.83	0.88	0.76	0.82	0.76	0.70	0.66
TOTAL AMOUNT REMOVED (in gallons)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

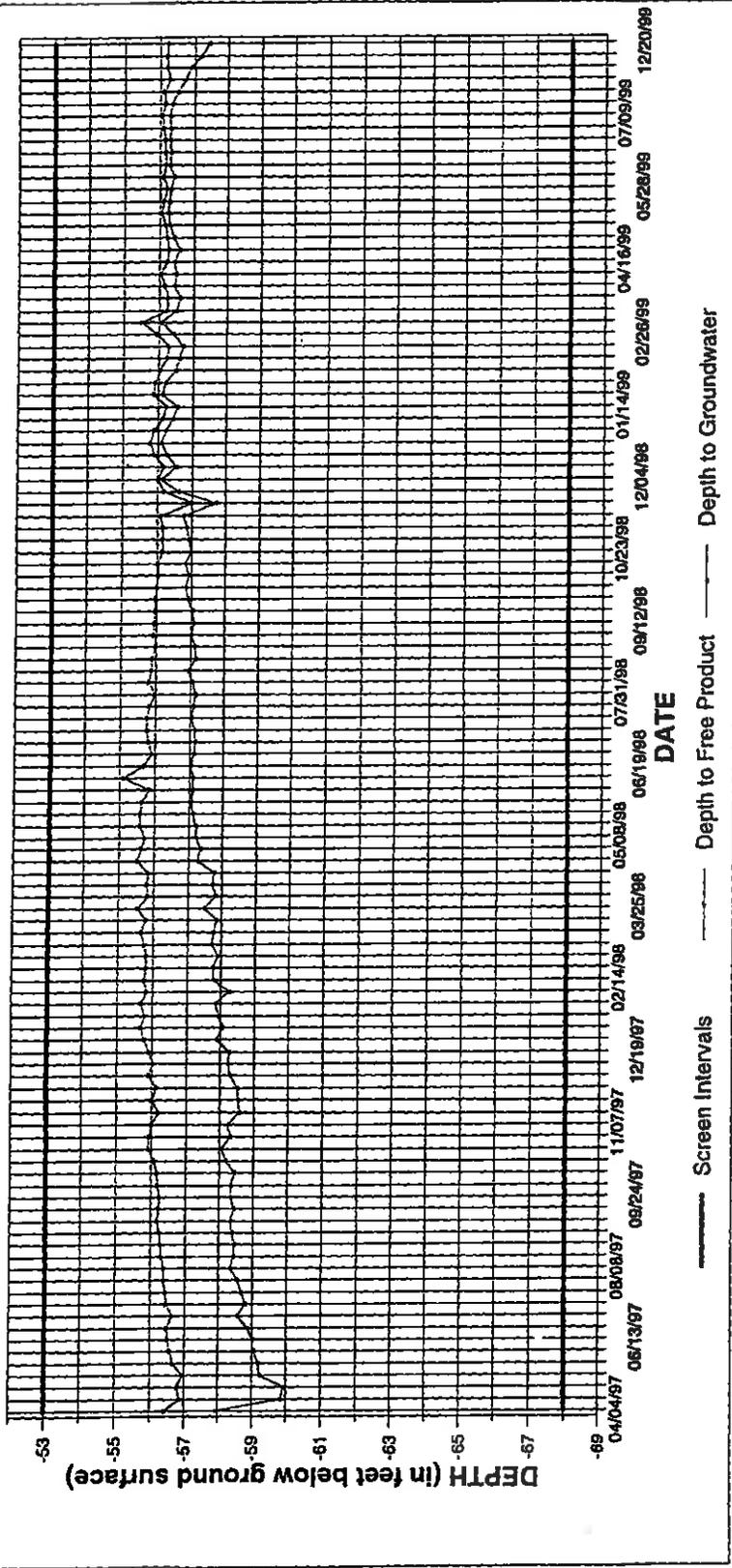
DATE	11/25/98	12/04/98	12/11/98	12/18/98	12/23/98	12/30/98	01/06/99	01/13/99	01/20/99	02/05/99	02/12/99	02/19/99	02/26/99	03/05/99	03/12/99	03/19/99	03/26/99
DEPTH TO FP (in feet bgs)	-56.19	-56.16	-56.01	-56.16	-55.89	-55.78	-55.88	-56.13	-56.23	-56.21	-56.04	-56.25	-56.20	-55.95	-55.51	-56.23	-56.17
DEPTH TO WATER (in feet bgs)	-56.60	-56.11	-56.59	-56.28	-56.08	-56.21	-56.43	-56.55	-56.11	-56.20	-56.49	-56.80	-56.71	-56.43	-56.08	-56.51	-56.60
TOTAL THICKNESS (in feet)	0.41	0.10	0.37	0.30	0.33	0.30	0.32	0.23	0.29	0.45	0.35	0.42	0.48	0.45	0.28	0.34	0.27
TOTAL AMOUNT REMOVED (in gallons)	0.25	0.50	0.50	0.50	0.50	0.12	0.25	0.50	0.13	0.50	0.50	0.50	0.63	0.50	0.50	0.50	0.50

DATE	04/16/99	04/23/99	05/07/99	05/14/99	05/22/99	05/29/99	06/05/99	06/12/99	06/19/99	06/25/99	07/02/99	07/09/99	07/16/99	07/23/99	08/06/99	08/13/99	08/20/99
DEPTH TO FP (in feet bgs)	-56.22	-56.28	-56.22	-56.16	-56.05	-56.12	-56.21	-56.10	-56.18	-56.15	-56.10	-56.10	-56.06	-56.15	-56.12	-56.28	-56.23
DEPTH TO WATER (in feet bgs)	-56.44	-56.59	-56.42	-56.29	-56.25	-56.27	-56.31	-56.40	-56.38	-56.31	-56.29	-56.30	-56.28	-56.34	-56.50	-56.73	-56.88
TOTAL THICKNESS (in feet)	0.22	0.30	0.20	0.13	0.20	0.15	0.10	0.30	0.10	0.16	0.14	0.20	0.22	0.19	0.38	0.45	0.67
TOTAL AMOUNT REMOVED (in gallons)	0.50	0.50	0.50	0.50	0.50	0.07	0.50	0.50	0.50	0.50	0.50	0.45	0.50	0.50	0.50	0.60	0.75

SOLID NUMBERS indicate this quarters results

QUARTERLY FREE PRODUCT REMOVAL REPORT
ARLIES USED CARS
WEATHERFORD, OKLAHOMA
OCC CASE NO. 064-1058

MW-101 FREE PRODUCT THICKNESS CHART



**BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.**

Exhibit No. 2.2
MW-101 FREE PRODUCT THICKNESS CHART

**QUARTERLY FREE PRODUCT REMOVAL REPORT
ARLIE'S USED CARS
OCC CASE NO. 064-1058**

MW-102 FREE PRODUCT RECOVERY TABLE

DATE	04/04/87	04/16/87	04/25/87	05/03/87	05/20/87	06/06/87	06/13/87	06/20/87	06/27/87	07/04/87	07/11/87	07/18/87	07/25/87	08/01/87	08/08/87	08/15/87	08/22/87	08/29/87	09/05/87	09/12/87	09/19/87	09/26/87
DEPTH TO FP (in feet bgs)	-55.75	-56.15	-56.10	-55.85	-55.93	-55.81	-55.68	-55.87	-55.69	-55.66	-55.57	-55.48	-55.43	-55.44	-55.44	-55.44	-55.44	-55.44	-55.44	-55.44	-55.34	-55.43
DEPTH TO WATER (in feet bgs)	-59.44	-59.01	-58.50	-58.19	-58.09	-58.40	-57.93	-57.85	-57.91	-57.88	-57.77	-57.72	-57.70	-57.72	-57.72	-57.72	-57.72	-57.72	-57.72	-57.72	-57.58	-57.41
TOTAL THICKNESS (in feet)	2.69	2.86	2.40	2.34	2.27	2.59	2.25	2.08	2.22	2.22	2.20	2.22	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.10	1.98
TOTAL AMOUNT REMOVED (in gallons)	2.25	2.00	2.00	2.00	1.50	1.50	1.75	1.50	1.75	1.50	1.50	1.75	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.00	1.50

DATE	10/04/87	10/10/87	10/16/87	10/24/87	10/31/87	11/07/87	11/14/87	11/21/87	11/28/87	12/04/87	12/11/87	12/18/87	12/24/87	12/31/87	01/07/88	01/14/88	01/21/88	01/28/88	02/04/88	02/11/88	02/18/88	02/25/88
DEPTH TO FP (in feet bgs)	-55.41	-55.40	-55.42	-55.19	-55.15	-55.23	-55.42	-55.20	-55.34	-55.10	-55.32	-55.10	-54.85	-54.92	-54.92	-54.92	-54.92	-54.92	-54.92	-54.92	-54.92	-54.92
DEPTH TO WATER (in feet bgs)	-57.38	-57.43	-57.27	-57.16	-57.16	-57.84	-57.69	-57.30	-57.22	-57.15	-57.15	-57.05	-57.05	-57.05	-57.07	-57.17	-56.99	-57.00	-56.86	-56.83	-56.83	-56.83
TOTAL THICKNESS (in feet)	1.87	2.03	1.85	2.01	2.01	2.27	2.07	2.07	1.98	2.02	1.84	1.95	2.10	2.15	2.20	2.09	1.97	1.84	1.84	1.84	1.84	1.84
TOTAL AMOUNT REMOVED (in gallons)	1.75	2.00	1.50	1.75	1.75	2.00	2.00	2.00	1.75	2.00	1.75	1.50	1.50	1.75	1.75	1.75	2.00	1.75	2.00	1.75	2.00	2.00

DATE	02/27/88	03/06/88	03/13/88	03/20/88	03/27/88	04/03/88	04/10/88	04/17/88	04/24/88	05/02/88	05/09/88	05/16/88	05/22/88	05/29/88	06/05/88	06/12/88	06/19/88	06/26/88	07/02/88	07/09/88	07/16/88	07/23/88
DEPTH TO FP (in feet bgs)	-54.80	-55.10	-55.65	-55.01	-54.78	-55.02	-55.04	-55.00	-54.73	-54.78	-54.82	-54.74	-54.74	-54.71	-55.00	-54.81	-54.80	-54.90	-54.99	-54.99	-54.90	-54.99
DEPTH TO WATER (in feet bgs)	-56.84	-57.05	-56.82	-56.89	-56.86	-56.95	-56.86	-56.86	-56.55	-56.82	-56.56	-56.52	-56.48	-56.51	-56.56	-56.54	-56.61	-56.61	-56.61	-56.61	-56.61	-56.61
TOTAL THICKNESS (in feet)	2.14	1.95	1.92	1.88	2.08	1.93	1.82	1.86	1.82	2.04	1.74	1.76	1.76	1.77	1.61	1.77	1.71	1.71	1.71	1.71	1.71	1.72
TOTAL AMOUNT REMOVED (in gallons)	2.00	2.00	1.75	1.50	1.50	1.50	1.25	1.25	1.25	1.75	1.25	1.25	1.00	1.50	1.25	1.00	1.25	1.25	1.00	1.25	1.25	1.25

DATE	07/10/88	07/17/88	07/24/88	07/31/88	08/07/88	08/13/88	08/20/88	08/27/88	09/03/88	09/10/88	09/17/88	09/24/88	10/01/88	10/08/88	10/15/88	10/22/88	10/29/88	11/05/88	11/12/88	11/19/88	11/26/88	12/03/88
DEPTH TO FP (in feet bgs)	-54.80	-54.84	-54.80	-55.00	-54.91	-54.85	-54.98	-55.08	-54.97	-55.02	-55.02	-54.97	-55.07	-55.05	-55.18	-55.14	-55.13	-55.13	-55.13	-55.13	-55.13	-55.06
DEPTH TO WATER (in feet bgs)	-56.62	-56.55	-56.62	-56.59	-56.60	-56.55	-56.60	-56.71	-56.36	-56.69	-56.70	-56.66	-56.72	-56.67	-56.84	-56.80	-56.80	-56.77	-56.77	-56.77	-56.77	-56.77
TOTAL THICKNESS (in feet)	1.72	1.71	1.72	1.58	1.69	1.60	1.62	1.63	1.69	1.63	1.67	1.69	1.67	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
TOTAL AMOUNT REMOVED (in gallons)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.00	1.25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

DATE	11/18/88	11/25/88	12/04/88	12/11/88	12/18/88	12/25/88	01/01/89	01/08/89	01/14/89	01/21/89	01/28/89	02/04/89	02/11/89	02/18/89	02/25/89	03/04/89	03/11/89	03/18/89	03/25/89	04/01/89	04/08/89	04/15/89
DEPTH TO FP (in feet bgs)	-54.94	-55.10	-54.99	-55.07	-54.79	-54.86	-54.73	-55.02	-55.10	-54.76	-54.95	-54.97	-55.17	-55.19	-55.19	-55.19	-55.19	-55.19	-55.19	-55.19	-55.19	-55.19
DEPTH TO WATER (in feet bgs)	-56.73	-56.65	-56.61	-56.68	-56.47	-56.04	-56.54	-56.71	-56.73	-56.20	-56.05	-56.62	-56.71	-56.79	-56.60	-56.60	-56.60	-56.60	-56.60	-56.60	-56.60	-56.60
TOTAL THICKNESS (in feet)	1.79	1.55	1.62	1.61	1.68	1.38	1.81	1.69	1.63	1.42	1.10	1.65	1.54	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
TOTAL AMOUNT REMOVED (in gallons)	0.75	0.50	0.75	0.75	1.00	0.75	0.50	0.75	1.00	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

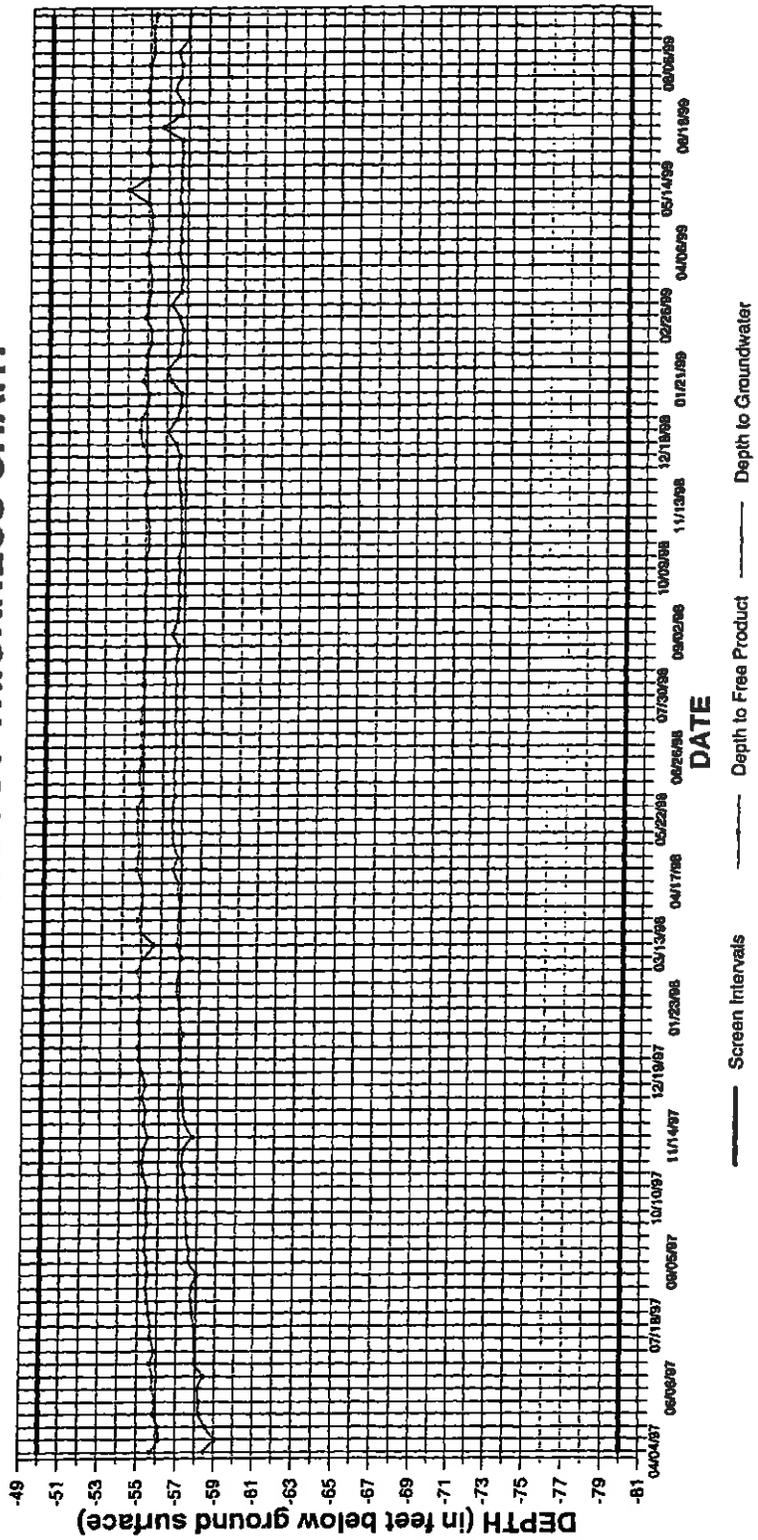
DATE	04/08/89	04/15/89	04/22/89	04/29/89	05/06/89	05/13/89	05/20/89	05/27/89	06/03/89	06/10/89	06/17/89	06/24/89	07/01/89	07/08/89	07/15/89	07/22/89	07/29/89	08/05/89	08/12/89	08/19/89	08/26/89	09/02/89
DEPTH TO FP (in feet bgs)	-54.84	-55.08	-55.17	-55.17	-55.02	-53.93	-54.85	-55.08	-54.93	-55.02	-54.98	-54.83	-55.02	-54.98	-54.91	-55.03	-54.98	-55.20	-55.18	-55.18	-55.18	-55.07
DEPTH TO WATER (in feet bgs)	-56.55	-56.65	-56.63	-56.72	-56.61	-56.80	-56.65	-56.65	-56.68	-56.65	-56.65	-56.68	-56.59	-56.65	-56.28	-56.56	-56.63	-56.49	-56.50	-56.50	-56.50	-56.50
TOTAL THICKNESS (in feet)	1.61	1.57	1.48	1.55	1.59	2.67	1.70	1.57	1.75	1.63	0.86	1.60	1.72	1.37	1.53	1.64	1.22	1.74	1.74	1.74	1.74	1.74
TOTAL AMOUNT REMOVED (in gallons)	1.00	0.75	1.00	0.75	0.75	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

DATE	12/20/98																					
DEPTH TO FP (in feet bgs)	-55.32																					
DEPTH TO WATER (in feet bgs)	-56.99																					
TOTAL THICKNESS (in feet)	1.67																					
TOTAL AMOUNT REMOVED (in gallons)	1.30																					

BOLD NUMBERS indicate this quarters results

QUARTERLY FREE PRODUCT REMOVAL REPORT
 ARLIES USED CARS
 WEATHERFORD, OKLAHOMA
 OCC CASE NO. 064-1056

MW-102 FREE PRODUCT THICKNESS CHART



BENTLEY ENVIRONMENTAL ENGINEERING, INC.
 Exhibit No. 3.2
 MW-102 FREE PRODUCT THICKNESS CHART

**QUARTERLY FREE PRODUCT REMOVAL REPORT
ARJIE'S USED CARS
OCC CASE NO. 064-1058**

MW-201 FREE PRODUCT RECOVERY TABLE

DATE	04/04/87	04/16/87	04/29/87	05/09/87	05/23/87	06/06/87	06/20/87	06/28/87	07/10/87	08/01/87	08/08/87	08/19/87	09/05/87	09/12/87	09/19/87	09/24/87
DEPTH TO FP (in feet bgs)	-55.45	-56.00	-57.17	-58.13	-58.17	-55.19	-55.48	-55.63	-55.25	-54.62	-54.56	-54.52	-54.48	-54.41	-54.42	-54.40
DEPTH TO WATER (in feet bgs)	-56.02	-56.43	-56.24	-56.24	-56.28	-55.36	-55.52	-55.58	-55.29	-54.65	-54.58	-54.70	-54.48	-54.41	-54.42	-54.40
TOTAL THICKNESS (in feet)	0.57	0.43	0.21	0.11	0.09	0.10	0.04	0.05	0.03	0.04	0.03	0.00	0.00	0.00	0.00	0.00
TOTAL AMOUNT REMOVED (in gallons)	0.50	0.25	0.25	0.25	0.03	0.03	0.03	0.03	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00

DATE	10/01/87	11/07/87	11/14/87	11/21/87	12/04/87	12/12/87	12/19/87	01/02/88	01/09/88	01/16/88	01/23/88	02/06/88	02/13/88	02/20/88	02/27/88	03/06/88
DEPTH TO FP (in feet bgs)	-54.25	-54.16	-54.26	-54.23	-54.25	-54.10	-54.18	-54.07	-53.95	-53.93	-54.02	-53.92	-54.02	-53.91	-53.90	-53.92
DEPTH TO WATER (in feet bgs)	-54.32	-54.24	-54.34	-54.36	-54.26	-54.37	-54.21	-54.16	-54.13	-54.10	-54.13	-54.03	-54.10	-54.20	-54.20	-54.22
TOTAL THICKNESS (in feet)	0.07	0.06	0.10	0.11	0.11	0.16	0.09	0.14	0.21	0.15	0.17	0.11	0.08	0.32	0.30	0.29
TOTAL AMOUNT REMOVED (in gallons)	0.06	0.06	0.08	0.08	0.06	0.09	0.06	0.09	0.06	0.03	0.03	0.03	0.03	0.06	0.05	0.03

DATE	04/03/88	04/10/88	04/17/88	04/24/88	05/02/88	05/10/88	05/17/88	05/22/88	06/01/88	06/10/88	06/17/88	06/24/88	07/01/88	07/10/88	07/17/88	07/24/88
DEPTH TO FP (in feet bgs)	-53.95	-54.03	-53.66	-53.65	-53.72	-53.74	-53.71	-54.20	-54.10	-54.51	-54.30	-54.50	-54.78	-54.60	-54.80	-54.43
DEPTH TO WATER (in feet bgs)	-54.32	-54.35	-54.30	-54.10	-54.17	-54.15	-54.16	-54.27	-54.64	-54.45	-54.55	-54.82	-54.60	-54.80	-53.81	-54.43
TOTAL THICKNESS (in feet)	0.37	0.32	0.44	0.45	0.45	0.41	0.39	0.25	0.17	0.13	0.15	0.05	0.04	0.00	0.00	0.00
TOTAL AMOUNT REMOVED (in gallons)	0.05	0.05	0.09	0.13	0.18	0.26	0.26	0.25	0.10	0.50	0.30	0.50	0.25	0.25	0.25	0.25

DATE	08/21/88	08/28/88	09/02/88	09/12/88	09/19/88	09/26/88	10/03/88	10/10/88	10/17/88	10/24/88	10/30/88	11/07/88	11/14/88	11/21/88	12/04/88	12/11/88
DEPTH TO FP (in feet bgs)	-54.13	-54.15	-54.08	-54.14	-54.12	-54.13	-54.16	-54.32	-54.15	-54.13	-54.10	-54.10	-54.01	-54.10	-53.99	-54.08
DEPTH TO WATER (in feet bgs)	-54.13	-54.15	-54.08	-54.14	-54.12	-54.13	-54.16	-54.32	-54.15	-54.13	-54.10	-54.10	-54.01	-54.08	-54.08	-54.08
TOTAL THICKNESS (in feet)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL AMOUNT REMOVED (in gallons)	0.28	1.50	0.25	0.25	0.12	0.12	0.08	0.05	0.09	0.09	0.09	0.05	0.05	0.05	0.05	0.05

DATE	01/08/89	01/14/89	01/21/89	02/05/89	02/12/89	02/19/89	03/05/89	03/12/89	03/19/89	04/02/89	04/16/89	04/23/89	05/07/89	05/14/89	05/20/89	06/04/89
DEPTH TO FP (in feet bgs)	-54.08	-54.12	-53.85	-54.18	-53.97	-54.16	-54.15	-54.03	-54.06	-54.12	-54.08	-54.14	-54.01	-54.13	-54.08	-54.08
DEPTH TO WATER (in feet bgs)	-54.08	-54.12	-53.85	-54.18	-53.97	-54.16	-54.03	-54.06	-54.08	-54.12	-54.08	-54.14	-54.01	-54.13	-54.08	-54.08
TOTAL THICKNESS (in feet)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL AMOUNT REMOVED (in gallons)	0.09	0.05	0.09	0.05	0.05	0.04	0.04	0.04	0.13	0.04	0.08	0.05	0.08	0.05	0.05	0.05

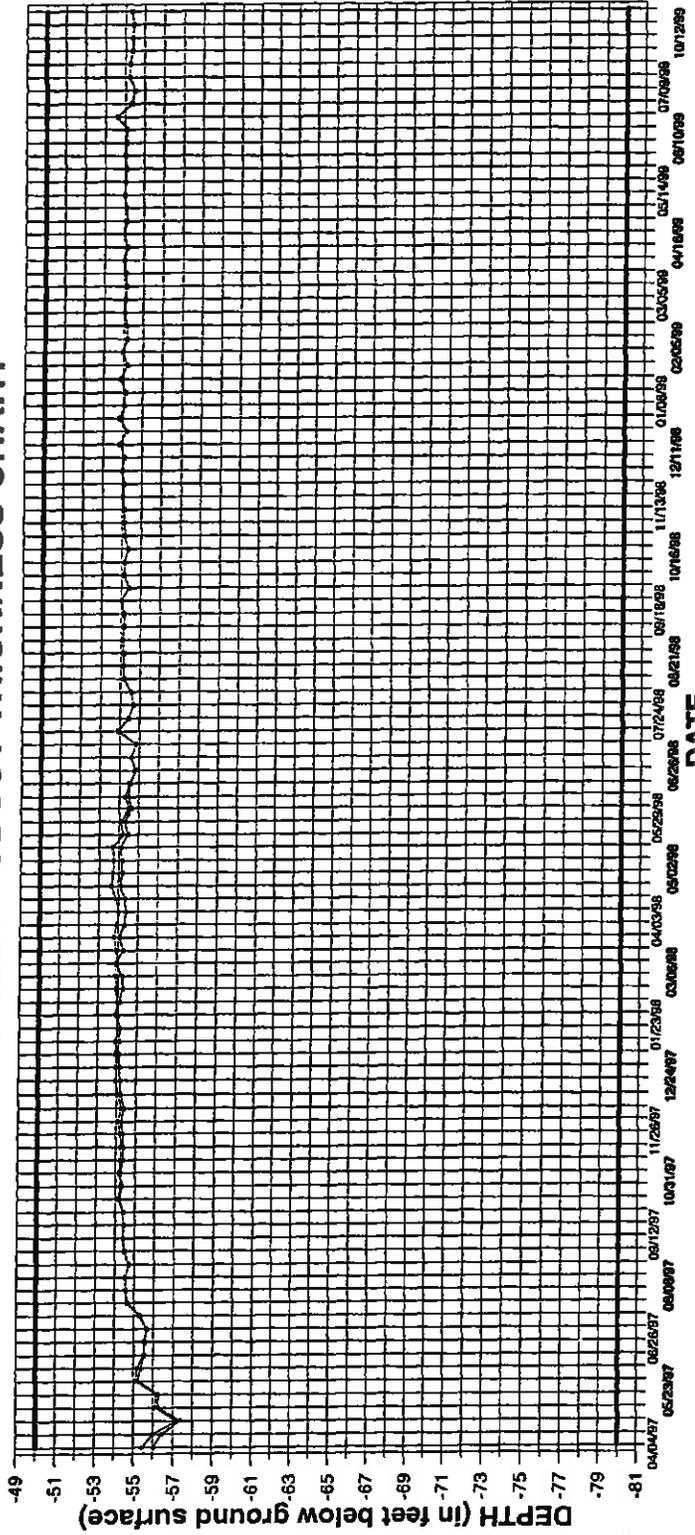
DATE	08/10/89	08/16/89	08/23/89	07/06/89	07/13/89	08/06/89	09/17/89	10/12/89	11/15/89	12/02/89						
DEPTH TO FP (in feet bgs)	-54.08	-54.06	-53.61	-54.30	-54.46	-54.24	-54.33	-54.37	-54.42	-54.32						
DEPTH TO WATER (in feet bgs)	-54.08	-54.06	-53.61	-54.30	-54.46	-54.24	-54.33	-54.37	-54.42	-54.32						
TOTAL THICKNESS (in feet)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00						
TOTAL AMOUNT REMOVED (in gallons)	0.04	0.04	0.04	0.04	0.05	0.04	0.09	0.09	0.09	0.10						

BENTLEY ENVIRONMENTAL ENGINEERING, INC.

Exhibit No. 4.1
MW-201 FREE PRODUCT RECOVERY TABLE

QUARTERLY FREE PRODUCT REMOVAL REPORT
 ARLIES USED CARS
 WEATHERFORD, OKLAHOMA
 OCC CASE NO. 064-1058

MW-201 FREE PRODUCT THICKNESS CHART



— Screen Intervals - - - - - Depth to Free Product ——— Depth to Groundwater

**BENTLEY
 ENVIRONMENTAL
 ENGINEERING, INC.**

Exhibit No. 4.2
 MW-201 FREE PRODUCT THICKNESS CHART

QUARTERLY FREE PRODUCT REMOVAL REPORT

ARLIE'S USED CARS

OCC CASE NO. 064-1058

MW-209 FREE PRODUCT RECOVERY TABLE

DATE	10/30/98	11/04/98	11/13/98	11/18/98	11/25/98	12/04/98	12/11/98	12/18/98	12/23/98	12/30/98	01/08/99
DEPTH TO FP (in feet bgs)	-55.43	-55.47	-55.41	-55.34	-55.35	-55.30	-55.44	-55.25	-55.42	-55.21	-55.32
DEPTH TO WATER (in feet bgs)	-55.43	-55.47	-55.41	-55.34	-55.37	-55.33	-55.44	-55.29	-55.52	-55.21	-55.35
TOTAL THICKNESS (in feet)	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.04	0.10	0.00	0.03
TOTAL AMOUNT REMOVED (in gallons)	No FP	No FP	No FP	No FP	0.02	0.05	No FP	0.05	0.09	0.25	0.09

DATE	01/14/99	01/21/99	01/29/99	02/05/99	02/12/99	02/19/99	02/26/99	03/05/99	03/09/99	03/18/99	03/26/99
DEPTH TO FP (in feet bgs)	-55.42	-55.17	-55.35	-55.30	-55.43	-55.48	-55.20	-55.27	-55.38	-55.37	-55.32
DEPTH TO WATER (in feet bgs)	-55.52	-55.27	-55.57	-55.51	-55.73	-55.80	-55.55	-55.45	-55.64	-55.75	-55.75
TOTAL THICKNESS (in feet)	0.10	0.10	0.22	0.21	0.30	0.32	0.35	0.18	0.26	0.38	0.43
TOTAL AMOUNT REMOVED (in gallons)	0.05	0.09	0.25	0.25	0.38	0.38	0.26	0.08	0.50	0.26	0.33

DATE	04/02/99	04/16/99	04/23/99	04/30/99	05/07/99	05/14/99	05/20/99	05/28/99	06/04/99	06/10/99	06/18/99
DEPTH TO FP (in feet bgs)	-55.25	-55.40	-55.38	-55.38	-55.33	-55.30	-55.33	-55.38	-55.31	-55.37	-55.38
DEPTH TO WATER (in feet bgs)	-55.46	-55.52	-55.55	-55.62	-55.52	-55.41	-55.44	-55.45	-55.46	-55.68	-55.44
TOTAL THICKNESS (in feet)	0.21	0.12	0.17	0.24	0.19	0.11	0.11	0.07	0.15	0.31	0.06
TOTAL AMOUNT REMOVED (in gallons)	0.25	0.13	0.09	0.13	0.13	0.09	0.09	0.09	0.05	0.25	0.06

DATE	06/25/99	07/02/99	07/09/99	07/16/99	08/06/99	09/17/99	10/12/99	11/15/99	12/20/99
DEPTH TO FP (in feet bgs)	-55.32	-55.28	-55.38	-53.30	-55.30	-55.46	-55.40	-55.50	-55.53
DEPTH TO WATER (in feet bgs)	-55.42	-55.43	-55.50	-53.42	-55.69	-55.92	-56.11	-55.93	-55.88
TOTAL THICKNESS (in feet)	0.10	0.15	0.12	0.12	0.39	0.46	0.71	0.43	0.35
TOTAL AMOUNT REMOVED (in gallons)	0.08	0.10	0.05	0.11	0.25	0.33	0.50	0.30	0.25

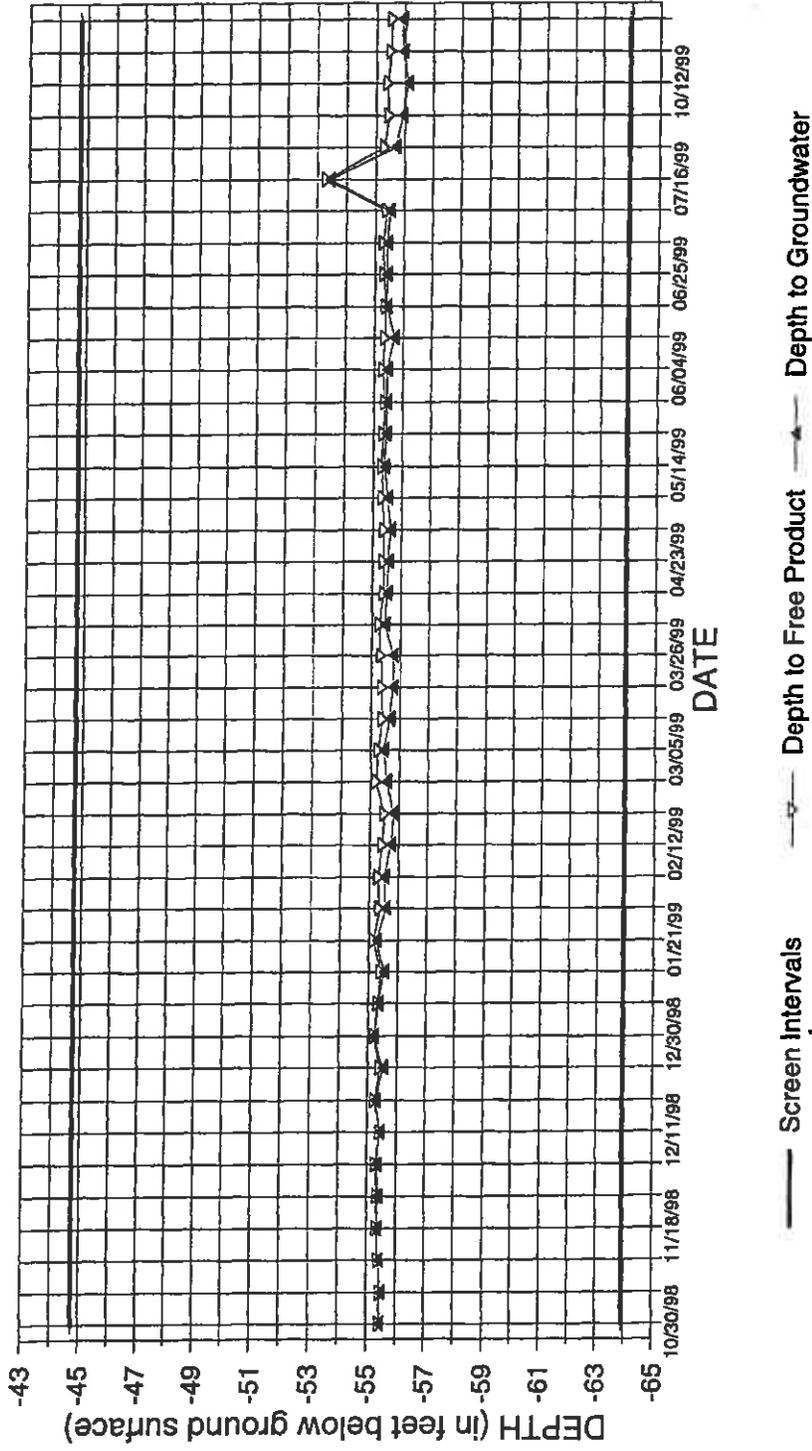
BOLD NUMBERS indicate this quarters results

**BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.**

**Exhibit No. 5.1
MW-209 FREE PRODUCT RECOVERY TABLE**

QUARTERLY FREE PRODUCT REMOVAL REPORT
ARLIE'S USED CARS
OCC CASE NO. 064-1058

MW-209 FREE PRODUCT THICKNESS CHART



**BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.**

Exhibit No. 5.2
MW-209 FREE PRODUCT THICKNESS CHART

QUARTERLY FREE PRODUCT REMOVAL REPORT
ARLIE'S USED CARS
OCC CASE NO. 064-1058

MW-210 FREE PRODUCT RECOVERY TABLE

DATE	10/01/98	10/09/98	10/16/98	10/23/98	10/30/98	11/04/98	11/13/98	11/18/98	11/25/98	12/04/98	12/11/98
DEPTH TO FP (in feet bgs)	-56.53	-56.48	-56.42	-56.55	-56.46	-56.50	-56.48	-56.41	-56.41	-56.32	-56.43
DEPTH TO WATER (in feet bgs)	-56.58	-56.56	-56.52	-56.70	-56.57	-56.65	-56.65	-56.59	-56.53	-56.53	-56.71
TOTAL THICKNESS (in feet)	0.05	0.08	0.10	0.15	0.11	0.15	0.17	0.18	0.12	0.21	0.28
TOTAL AMOUNT REMOVED (in gallons)	0.14	0.09	0.12	0.12	0.25	0.13	0.09	0.09	0.09	0.13	0.13

DATE	12/18/98	12/23/98	12/30/98	01/06/99	01/14/99	01/21/99	01/29/99	02/05/99	02/12/99	02/19/99	02/26/99
DEPTH TO FP (in feet bgs)	-56.25	-65.43	-56.21	-56.36	-55.46	-56.14	-56.37	-56.29	-56.47	-56.51	-56.20
DEPTH TO WATER (in feet bgs)	-56.50	-65.66	-56.58	-56.57	-56.83	-56.46	-56.82	-56.80	-57.03	-57.10	-56.81
TOTAL THICKNESS (in feet)	0.25	0.23	0.37	0.21	1.37	0.32	0.45	0.51	0.56	0.59	0.61
TOTAL AMOUNT REMOVED (in gallons)	0.25	0.13	0.25	0.13	0.75	0.25	0.33	0.33	0.50	0.50	0.25

DATE	03/05/99	03/09/99	03/18/99	03/26/99	04/02/99	04/16/99	04/23/99	04/30/99	05/07/99	05/14/99	05/20/99
DEPTH TO FP (in feet bgs)	-56.34	-56.50	-56.48	-56.38	-56.31	-56.48	-56.48	-56.45	-56.42	-56.32	-56.32
DEPTH TO WATER (in feet bgs)	-56.67	-56.89	-56.90	-56.97	-56.62	-56.60	-56.71	-56.72	-56.65	-56.54	-56.59
TOTAL THICKNESS (in feet)	0.33	0.39	0.42	0.59	0.31	0.12	0.23	0.27	0.23	0.22	0.27
TOTAL AMOUNT REMOVED (in gallons)	0.25	0.25	0.40	0.50	0.33	0.13	0.13	0.13	0.13	0.13	0.13

DATE	05/28/99	06/04/99	06/10/99	06/18/99	06/25/99	07/02/99	07/09/99	07/16/99	08/08/99	09/17/99	10/12/99
DEPTH TO FP (in feet bgs)	-56.43	-56.38	-56.45	-56.43	-56.34	-56.29	-56.32	-56.38	-56.31	-56.37	-56.42
DEPTH TO WATER (in feet bgs)	-56.71	-56.63	-56.63	-56.63	-56.62	-56.64	-56.56	-56.64	-56.88	-57.51	-57.25
TOTAL THICKNESS (in feet)	0.28	0.25	0.18	0.20	0.28	0.35	0.24	0.26	0.57	1.14	0.83
TOTAL AMOUNT REMOVED (in gallons)	0.25	0.05	0.25	0.09	0.25	0.30	0.15	0.19	0.33	0.75	0.55

DATE	11/15/99	12/20/99									
DEPTH TO FP (in feet bgs)	-56.35	-56.48									
DEPTH TO WATER (in feet bgs)	-57.73	-57.40									
TOTAL THICKNESS (in feet)	1.38	0.92									
TOTAL AMOUNT REMOVED (in gallons)	1.00	0.60									

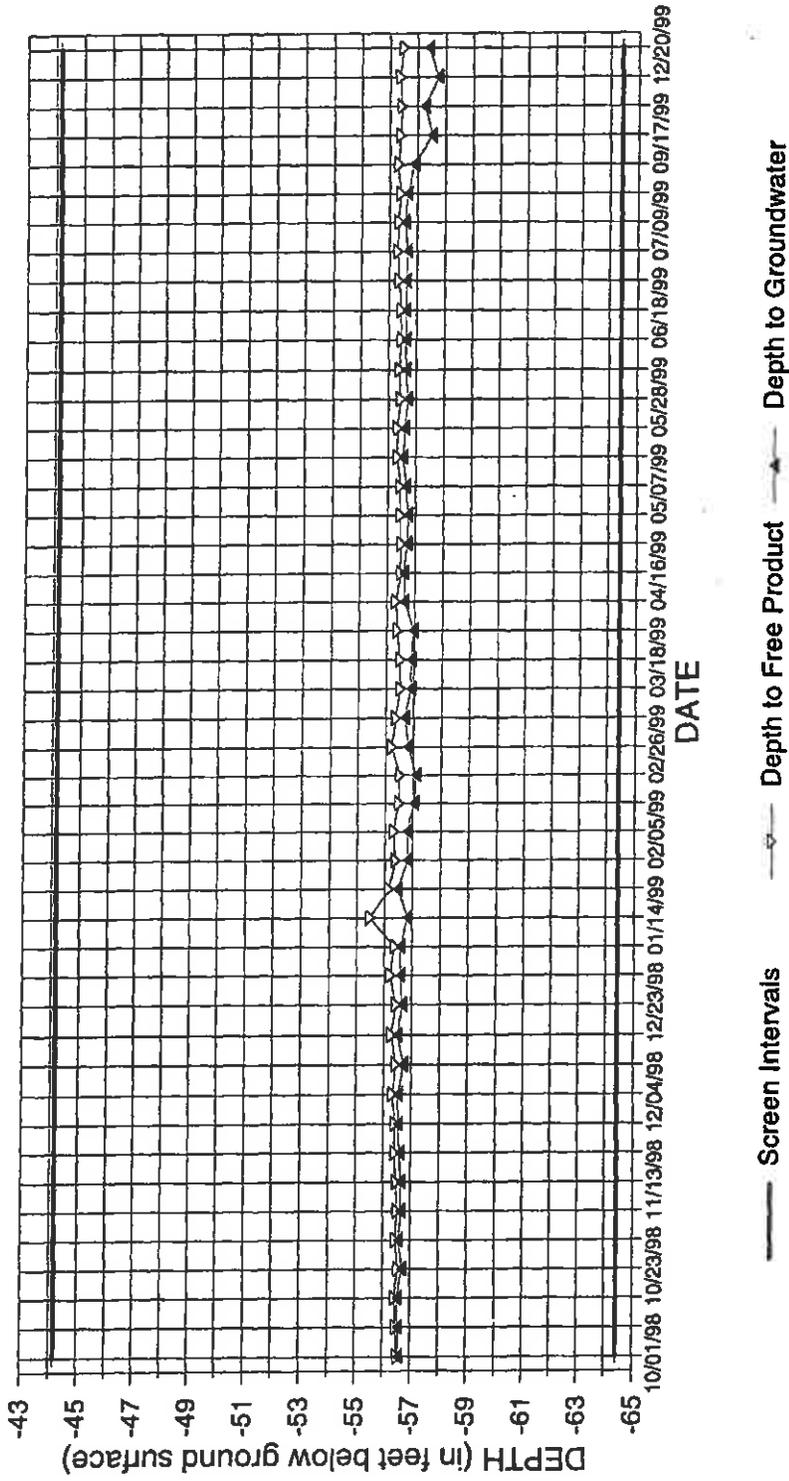
BOLD NUMBERS indicate this quarters results

**BENTLEY
 ENVIRONMENTAL
 ENGINEERING, INC.**

Exhibit No. 6.1
 MW-210 FREE PRODUCT RECOVERY TABLE

QUARTERLY FREE PRODUCT REMOVAL REPORT
ARLIE'S USED CARS
OCC CASE NO. 064-1058

MW-210 FREE PRODUCT THICKNESS CHART



BENTLEY ENVIRONMENTAL ENGINEERING, INC.

Exhibit No. 6.2
MW-210 FREE PRODUCT THICKNESS CHART

Arlie's Used Cars Final Closure Report

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

October 12, 2000

Case ID #064-1058
Facility ID #20-13377
Final Closure

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER 7000 0520 0023 5164 8533

Arlie's Used Cars
Attn: Mr. Arlie Hamburger
300 West Main
Weatherford, Oklahoma 73069

RE: Arlie's Used Cars
300 West Main
Weatherford, Oklahoma 73069

Dear Mr. Hamburger:

Based upon the review of the Oklahoma Risk-Based Corrective Action Report, this case is **closed**. If in the future, levels of Chemicals of Concern are discovered to exceed those determined appropriate for this site, the case will be reopened. A copy of this letter is being sent to your consultant.

If you have any questions, please discuss them with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

A handwritten signature in cursive script that reads "Leonard Billingsley".

Leonard Billingsley
Project Environmental Analyst

LB:gs

cc: Bentley Environmental
Attn: Mr. Mike Majors
4619 N. Santa Fe
Oklahoma City, OK 73118

Copies to Darla Wollitz, Susan Dawson, Tech File, IF and Claim Files

NOTE: The applicable Corporation Commission rule is found in the Oklahoma Administrative Code at 165:25-3-79. If you need a copy, please call us and we will send you one.

SERVICE • ASSISTANCE • COMPLIANCE
EXCELLENCE IS OUR STANDARD

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

7000 0520 0023 5164 8533

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Recipient's Name (Please Print Clearly) (To be completed by mailer)

Street, Apt. No., or PO Box No.

City, State, ZIP+4

PS Form 3800, February 2000*

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece or on the front if space permits. *Oct 16*

1. Article Addressed to:

*Arliet's Used Cars
 Attn: Mr. Arlie Hamburger
 300 West main
 Weatherford, Ok. 73069*

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

ARLIE HAMBURGER

C. Signature

X Mrs. Arlie Hamburger

OCT 19 2000
 10
 09
 08

D. Is delivery address different from recipient's address?
 If YES, enter delivery address

- Agent
 Addressee
 Yes
 No

3. Service Type

- Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

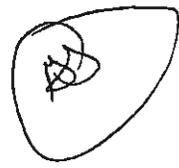
4. Restricted Delivery? (Extra Fee)

- Yes

2. Article Number (Copy from service label)

7000 0520 0023 5164 8533

*FAC. 20-13377
 064-1058*



FINAL CLOSURE REPORT

OAC Rule 165:25-3-79

CASE NUMBER 064-1058
FACILITY NUMBER 20-13377

SITE LOCATION

Facility Name Arlie's Used Cars
Contact Person/Phone No. Mr. Arlie Hamburger - 580-772-2012
Street Address, City, County 300 West Main Street, Weatherford, Custer

Owner/Operator's Signature Arlie Hamburger Date 7-15-00
By signing above the Owner/Operator affirms that all of the information in this _____-page report is true and correct to the best of his/her knowledge.

Owner/Operator Mr. Arlie Hamburger
Contact Person/Phone No. Mr. Hamburger - 580-772-2012
Address, City, State, Zip 300 West Main Street, Weatherford, Ok 73096

Consultant's Verification Signature Michael Majors Date 9/11/00

Consultant and Firm Michael Majors, Bentley Environmental Engineering
Phone Numbers: Voice: (405) 528-7016 Fax: (405) 528-3346 Pager/Cell: (918)853-9063
E-Mail Address: mmajors@bentleyenviro.com
PSTD License Number: 0459 Date: 12/31/01

MONITOR WELL DECOMMISSIONING

List the wells that were:

Overdrilled & cement grouted:

Pulled & plugged: 18 wells - AMW-1, 101, 102, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, MW-14, 102

Casing cement grouted in place (Attach OWRB Variance):

Other (Describe):

Not found (Describe efforts to find and possibly what might have happened to the well):

Has all decommissioned material (soil, water, casing, monuments, pads, etc), soil piles and visqueen been removed and properly disposed? If not, explain under Miscellaneous.

Yes No

Attach the Oklahoma Water Resources Board's (OWRB) Multi-Purpose Completion Report - Monitoring Wells. Well identification, plugging data and driller's certification must be completed.

REC'D
PETROLEUM STORAGE
TANK SECTION
NOV 11 11:51 AM '00

REMEDIAATION EQUIPMENT DECOMMISSIONING

Briefly describe the decommissioning of all surface equipment.

Not Applicable

Was any of this equipment moved to another petroleum release site? If so, list the equipment and the case number and location of the other site.

Not Applicable

Briefly describe the decommissioning of all pipe runs/trenches.

Not Applicable

Were all utilities properly disconnected and service discontinued?

Yes _____ No _____ N/A

Were all state and local agencies properly notified regarding the termination of any permits they had issued? Yes _____ No _____ N/A

List the name and phone number of the current property owner if different from the responsible party.

Arlie Hamburger is current propoerty owner

List the name(s) and phone number(s) of all off-site property owners where monitoring wells and/or remediation equipment were decommissioned.

Mr. Douglas Paxton - 580-772-5220

MISCELLANEOUS

List any monitoring wells, remediation equipment or soil piles that the current property owner wants to retain. *OWRB OAC Rule 785:35-11-2(a) states "Monitoring wells...shall be plugged...within three days after completion of use...". Unless there is some other monitoring use for a monitoring well PSTD insists that all such wells be decommissioned.*

None

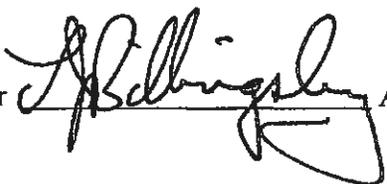
If there is anything listed above, the current property owner and responsible party (RP) must sign below that they understand that once the PSTD case is closed they can no longer submit claims to the Indemnity Fund for reimbursement of any maintenance or decommissioning costs under this case number. They must also understand that they are responsible for any associated liability and decommissioning of any monitoring wells according to the rules and regulations of the OWRB. If the RP of any adjacent case wants to retain any item listed above, they may sign on the RP line and list the appropriate case number.

_____ Date _____
Current Property Owner

_____ Date _____
Responsible Party

Adjacent Case Number

PSTD Reviewer



Approve [] Deny []

Date 10/11/00

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Please Plot Well Location

Ten Acres



← One Mile →

			*						

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW 202, 201, 102, 101, 1, 203
 County Custer Variance Request No. (If applicable) _____
 Well Owner Arlies Used Cars Phone _____
 Address/City/State 302 W, Main Weatherford OK. Zip _____
 Finding Location Same

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-204-207
County Custer Variance Request No. (If applicable) _____
Well Owner Arlys Used Cars Phone _____
Address/City/State 302 W, Main Weatherford OK. Zip _____
Finding Location Same

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturated Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres 
← One Mile →

			*						

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) MW-14-102

County Custer Variance Request No. (If applicable) _____

Well Owner Arlies Used Cars Phone _____

Address/City/State 302 W, Main Weatherford OK. Zip _____

Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
- Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

			*						

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 18 Twp. 12-N Rgt. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-212
 County Custer Variance Request No. (if applicable) _____
 Well Owner Arlies Used Cars Phone _____
 Address/City/State 302 W, Main Weatherford OK. Zip _____
 Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

				*		

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 18 Twp. 12-N Rgn. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-213
 County Custer Variance Request No. (if applicable) _____
 Well Owner Arlies Used Cars Phone _____
 Address/City/State 302 W, Main Weatherford OK. Zip _____
 Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____
 Hole Diameter _____ inches From _____ feet to _____ feet
 Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet
 Well Casing Diameter _____ inches From _____ feet to _____ feet
 Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet
 Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet
 Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

			*						

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

1/4 1/4 1/4 of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-211
 County Custer Variance Request No. (if applicable) _____
 Well Owner Arlies Used Cars Phone _____
 Address/City/State 302 W, Main Weatherford OK. Zip _____
 Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Please Plot Well Location

Ten Acres ↑
N
← One Mile →

			*						

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-208
County Custer Variance Request No. (if applicable) _____
Well Owner Arlies Used Cars Phone _____
Address/City/State 302 W, Main Weatherford OK. Zip _____
Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
- Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____
Hole Diameter _____ inches From _____ feet to _____ feet
Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet
Well Casing Diameter _____ inches From _____ feet to _____ feet
Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet
Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet
Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

				*			

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION

Latitude _____ Longitude _____

Number of wells in 10 acre tract _____

Well No. (if applicable) AMW- 205-209

County Custer

Variance Request No. (if applicable) _____

Well Owner Arlys Used Cars

Phone _____

Address/City/State 302 W, Main Weatherford OK.

Zip _____

Finding Location Same

TYPE OF WORK

- Geotechnical Boring
 Site Assessment Observation Well
 Monitoring Well
 Vapor Extraction Well
 Unsaturation Zone Monitoring Well
 Plugging
 Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____

Hole Diameter _____ inches From _____ feet to _____ feet

Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

MULTI-PURPOSE COMPLETION REPORT MONITORING WELLS

Please Plot Well Location

Ten Acres



← One Mile →

			*						

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

DO NOT WRITE IN THIS SPACE

LEGAL DESCRIPTION

of Sec. 18 Twp. 12-N Rge. 14-W

OPTIONAL INFORMATION
Latitude _____ Longitude _____

Number of wells in 10 acre tract _____ Well No. (if applicable) AMW-206-210
County Custer Variance Request No. (If applicable) _____
Well Owner Arlys Used Cars Phone _____
Address/City/State 302 W, Main Weatherford OK. Zip _____
Finding Location Same

TYPE OF WORK

- Geotechnical Boring Site Assessment Observation Well Monitoring Well Vapor Extraction Well
 Unsaturated Zone Monitoring Well Plugging Other _____

NEW BORING OR WELL CONSTRUCTION DATA

An application for a variance must be requested and obtained before any changes are made to the minimum construction standards for any well.

Date Started _____ Date Completed _____
Hole Diameter _____ inches From _____ feet to _____ feet
Hole Diameter _____ inches From _____ feet to _____ feet

CASING RECORD:

Surface Pipe (Casing) Diameter _____ inches From _____ feet to _____ feet
Well Casing Diameter _____ inches From _____ feet to _____ feet
Well Casing Diameter _____ inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD:

Type and Slot Size _____ From _____ feet to _____ feet
Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK:

Type and Size _____ From _____ feet to _____ feet
Type and Size _____ From _____ feet to _____ feet

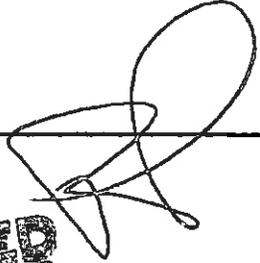
Sonny's Restaurant Most Recent Monitoring Report

J.W. DANSBY & ASSOCIATES, INC.
Civil and Environmental Engineers

————— "1984-1994" TEN YEARS OF EXCELLENCE —————

May 11, 1995

Mr. Dick Oppel
Oklahoma Corporation Commission
UST Division
2101 North Lincoln Blvd.
Oklahoma City, Oklahoma 73105


RECEIVED
LUS* TBIET EIIND

MAY 12 1995
OKLAHOMA CORPORATION
COMMISSION

RE: OCC CASE NO. 064-568
Sonny's Restaurant, Weatherford, Oklahoma

Dear Mr. Oppel:

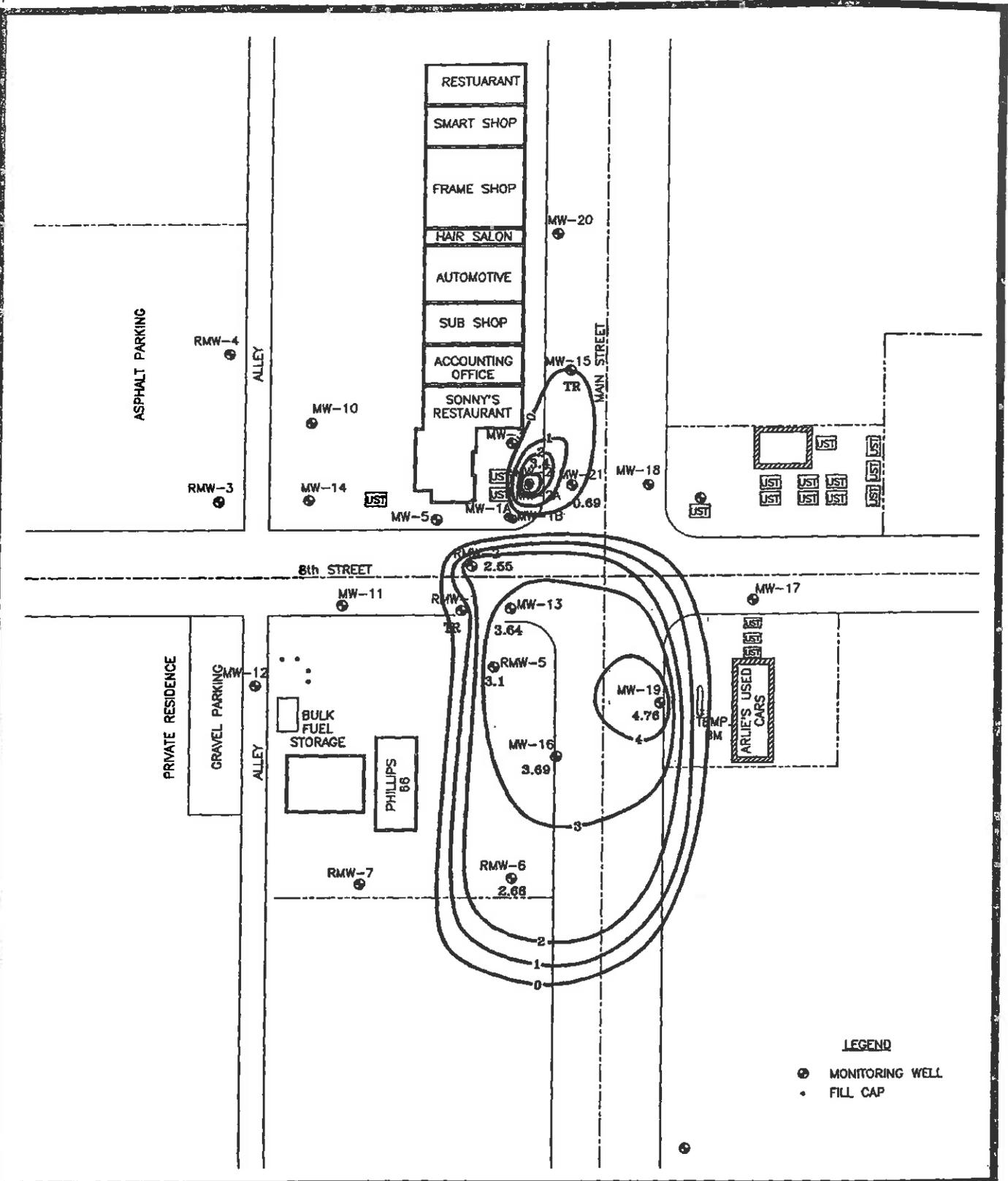
Enclosed please find the results from the groundwater and free product check completed on April 25, 1995.
If you have questions or need additional information, please call.

Sincerely,



Scott Sturtz, E. I.
Project Engineer

Enclosure



LEGEND

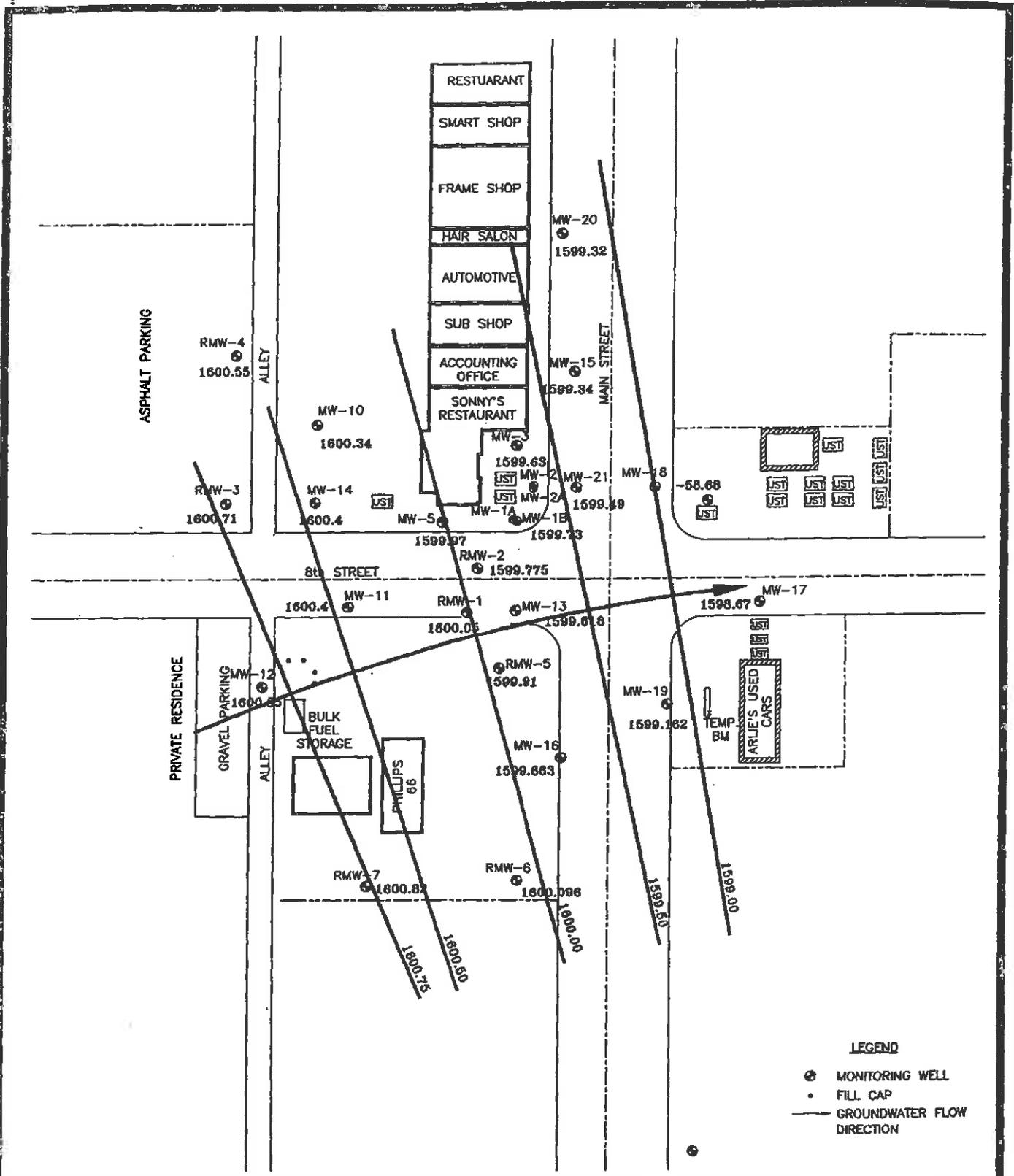
- MONITORING WELL
- FILL CAP

J. W. Dansby & Associates, Inc.
 CIVIL & ENVIRONMENTAL ENGINEERS
 2202 Westpark Dr., Suite B
 Norman, OK 73069
 (405) 321-4049 J.W. DANSBY, P.E.



CLIENT: RESOLUTION TRUST CORPORATION	
DRAWN BY: JAI	SCALE: 1"=80'
CHKD BY: SES	DATE: 4/28/95
DWG. NO: 385-2	PROJ. NO: 385

FIGURE 1
FREE PRODUCT PLUME
CONTOUR MAP
WEATHERFORD, OKLAHOMA



J. W. Dansby & Associates, Inc.
 CIVIL & ENVIRONMENTAL ENGINEERS
 2202 Westpark Dr. Suite B
 Norman, OK 73069
 (405) 321-4049 J.W. DANSBY, P.E.



CLIENT: RESOLUTION TRUST CORPORATION	
DRAWN BY: JAI	SCALE: 1"=80'
CHKD BY: SES	DATE: 4/28/95
DWG. NO: 385-2	PROJ. NO: 385

FIGURE 2
GROUNDWATER GRADIENT MAP
WEATHERFORD, OKLAHOMA

GROUNDWATER RESULTS FROM 4/25/95

Item	Monitoring Well Numbe	Top Of Casing	Depth to water	Depth to Free Prod	Free Prod Thickness	Corrected DTW	
1	MW-1	1657.53	57.8		0	57.8	1599.73
2	MW-2	1657.85	60.6	57.2	3.4	58.22	1599.63
3	MW-3		NA		0	0	
5	MW-5	1658.04	58.07		0	58.07	1599.97
6	MW-10	1660.17	59.83		0	59.83	1600.34
7	MW-11	1658.2	57.79		0	57.79	1600.41
8	MW-12	1659.36	58.51		0	58.51	1600.85
9	MW-13	1657.17	60.1	56.46	3.64	57.552	1599.618
10	MW-14	1659.82	59.42		0	59.42	1600.4
11	MW-15	1658.11	58.77	trace	trace	58.77	1599.34
12	MW-16	1656.81	59.73	56.04	3.69	57.147	1599.663
13	MW-17	1656.27	57.6		0	57.6	1598.67
14	MW-18		58.68		0	58.68	-58.68
15	MW-19	1657.19	61.36	56.6	4.76	58.028	1599.162
16	MW-20	1657.92	58.6		0	58.6	1599.32
17	MW-21	1658.05	59.04	58.35	0.69	58.557	1599.493
18	RMW-1	1657.55	57.5	trace	trace	57.5	1600.05
19	RMW-2	1658.04	60.05	57.5	2.55	58.265	1599.775
20	RMW-3	1659.68	58.97		0	58.97	1600.71
21	RMW-4	1659.55	59		0	59	1600.55
22	RMW-5	1658.14	60.4	57.3	3.1	58.23	1599.91
23	RMW-6	1657.32	59.1	56.42	2.68	57.224	1600.096
34	RMW-7	1658.72	57.9		0	57.9	1600.82

Sonny's Restaurant Closure Letter

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

August 29, 2002

Case ID #: 064-0568
Facility ID #: 99-00220
Final Closure

FDIC
Attn: Mr. Jerry Bumbalough
1910 Pacific Ave
Dallas, TX 75201

RE: Final Closure of UST release case at
Sonny's Restaurant
221 West Main
Weatherford, OK

Dear: Mr. Bumbalough:

Based upon the review of surrounding Oklahoma Risk-Based Corrective Action Reports, this case is closed. If in the future, levels of Chemical of Concern are discovered to exceed those determined appropriate for this site, the case can be reopened.

If you have any questions, please discuss this with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely:

Leonard Billingsley
Project Environmental Analyst

LB/gs

CC: Enercon Services, Inc.
Attn: Mr. Joe Foster
6525 North Meridian, Suite 503
Oklahoma City, Oklahoma 73116-1410

Copies to Susan Dawson, Darla Wollitz, Tech File, Dick Oppel, and Claim Files.

NOTE: Applicable Corporation Commission Rules are found the Oklahoma Administrative Code at 165:25-3-79. If you need a copy, please let us know and we will send you one.

Kash & Karry Grocery ORBCA SSTLs

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

September 25, 1998

Case ID# 064-1999
Facility ID# 20-02152

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 582 305 965

Ms. Juanita Snow
2323 E. Davis Road
Weatherford, Oklahoma 73096

RE: Approval of the Tier 1/1A Report for site located at:

Kash & Karry Grocery
309 West Main
Weatherford, Oklahoma

Dear Ms. Snow:

We have reviewed the Tier 1/1A Report and all amendments you submitted to the OCC. This Tier 1/1A evaluation and Corrective Action Plan are approved as being in compliance with our rules. These modifications need to be assumed for the Site Conceptual Exposure Model (SCEM):

A future drinking water well located 100 feet from the source was used as the receptor for this site. Based on the Chemicals of Concern (COCs) and the Risk Based Screening Levels (RBSLs) for this receptor, no further action appears to be necessary for this case.

Based on these modifications the modified Risk-Based Screening Levels (RBSLs) for this site are:

	Soil (mg/Kg)	Groundwater (mg/L)
Benzene	0.58	1.732
Toluene	47.89	18.45
Ethylbenzene	23.94	9.23
Xylenes (Mixed)	66.38	184.50
Naphthalene	9.22	3.69

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Frank Vernon

Frank Vernon
Project Environmental Analyst

GFV:raw

cc:

Trust Environmental Services
Attn: Ms. Dona Crouch
2227 West Lindsey, Suite 1500
Norman, Oklahoma 73069

(064-1999)

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 MS. JUANITA SNOW
 2323 E. DAVIS ROAD
 WEATHERFORD, OK 73096

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Juanita Snow

064-1999

PS Form 3800, April 1995

Thank you for using Return Receipt Service.

Kash & Karry Grocery ORBCA Summary Data

ORBCA SUMMARY REPORT

List ID: 064-1999

Date Form Completed: 06-Apr-98

FACILITY ID: 20-02182

Form Completed by: Deon Cronch

Worksheet #10

ANALYTICAL DATA SUMMARY FOR SOIL

Chemical levels detected during soil borings, and UST/spilling removal activity

MW No./Sample Location	Sampling Date	Sample Depth [ft.]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylene [mg/kg]	Naphthalene [mg/kg]	TPH/GRO [mg/kg]	TPH/DRO [mg/kg]	OTHERS
MW-1	2/24/98	52-53'	ND	ND	ND	ND	NS	NS	ND	
MW-2	2/24/98	52-54'	ND	ND	ND	ND	NS	NS	ND	
MW-3	2/25/98	52-54'	ND	ND	ND	ND	NS	NS	ND	
MW-4	2/25/98	52-54'	ND	ND	ND	ND	NS	NS	ND	
TR-1	9/29/97	Pit Bottom 13.5'	ND	ND	ND	ND	NS	1.32	NS	
TR-2	9/29/97	Pit Bottom 13.5'	ND	ND	ND	ND	NS	ND	NS	
TR-3	9/29/97	Pit South Wall 6.5'	ND	ND	ND	ND	NS	ND	NS	
TR-4	9/29/97	Stockpile	ND	ND	0.145	1.82	NS	7.69	NS	
TR-5	9/29/97	Trip Blank	ND	ND	ND	ND	NS	ND	NS	
TR-6	10/13/97	Pit Bottom 13.5'	ND	ND	ND	ND	NS	ND	NS	
TR-7	10/13/97	Pit Bottom 13.5'	ND	ND	ND	ND	NS	ND	NS	
TR-8	10/13/97	Pit Bottom 13.5'	ND	ND	0.165	ND	NS	ND	NS	
TR-9	10/13/97	Pit Southwall 8'	1.28	23.1'	16.7	61.1	NS	93.8	2047	
TR-10	10/13/97	Stockpile	ND	0.105	0.959	7.24	NS	11.9	ND	
NUMBER OF DETECTIONS(S)			1	1	4	3	--	4	1	--
AVERAGE			1.280	0.105	4.492	23.387	--	29.178	2047.000	--
STD. DEVIATION			--	--	8.147	32.773	--	44.627	--	--
MAXIMUM			1.280	0.105	16.700	61.100	--	93.800	2047.000	--

NOTE: Provide any laboratory analytical details not previously submitted to the OCC ND and NO OVA values are ignored for calculating the average and standard deviation.

Client Data:

- Form UST 374-1, Page 10
- Form UST 376, Page 10
- Tier 1
- Tier 2
- Tier 3
- [1 of]

ORCA SUMMARY REPORT

LUST ID: 064-1999

Date Form Completed: 06-Apr-98

FACILITY ID: 20-02152

Form Completed by: Dona Conch

Worksheet #11A

ANALYTICAL DATA SUMMARY FOR GROUNDWATER - SINGLE SAMPLING EVENTS

Chemical levels detected during groundwater sampling

MW No./Sample Location	Installation Date	Screen Interval	No. of Measurements	Sampling Date	Water Level	Benzene [mg/l]	Toluene [mg/l]	Ethylbenzene [mg/l]	Xylene [mg/l]	Naphthalene [mg/l]	TPH/GRO [mg/l]	TPH/DRO [mg/l]
MW-1	2/24/98	52 - 62'	1	2/27/98	32.69	ND	ND	ND	ND	NS	NS	1763
MW-2	2/24/98	50 - 60'	1	2/27/98	32.47	0.746	1.390	0.531	2.390	0.323	NS	894
MW-3	2/25/98	49 - 59'	1	2/27/98	31.84	ND	ND	ND	ND	NS	NS	196
MW-4	2/25/98	49 - 59'	1	2/27/98	32.05	ND	ND	ND	ND	NS	NS	364
NUMBER OF DETECTIONS(S)												
AVERAGE						0.746	1.390	0.531	2.390	0.323		4
STD. DEVIATION												804.250
MAXIMUM						0.746	1.390	0.531	2.390	0.323		704.993
TOTAL												1763.000

NOTE:

Provide any laboratory analytical datasets and previously submitted to the OCC
 ND and NS values are ignored for calculating the average and standard deviation.

Check One:

- Form USF 374-1, Page 11
 Form USF 376, Page 11
 Tier 1
 Tier 2
 Tier 3
 1 of 1

Love's #45 ORBCA SSTLs

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

October 20, 1998

Case ID# 064-1019
Facility ID# 20-03189

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 582 305 634

Love's Country Stores, Inc.
Attn: Mr. Kent Sneed
P.O. Box 26210
Oklahoma City, Oklahoma 73126-0210

RE: Approval of the Tier 2 Report for site located at:

Love's #45
400 West Main
Weatherford, Oklahoma

Dear Mr. Sneed:

We have reviewed the Tier 2 Report and the amendments you submitted. This Tier 2 evaluation is approved as being in compliance with our rules. These modifications need to be assumed for the Site Conceptual Exposure Model (SCEM):

Current condition irrigation well located at a distance of 600 feet with an exposure frequency of 120 days/yr, .3 L/day ingestion rate.

Based on these modifications the Site Specific Target Levels (SSTLs) for cleanup at this site are:

	On-Site Soil (mg/Kg)	On-Site Groundwater (mg/L)	Off-Site Soil (mg/Kg)	Off-Site Groundwater (mg/L)
Benzene	7.62	10.37	7.62	10.37
Toluene	761.37	535.00	761.37	535.00
Ethylbenzene	1969.94	152.00	1969.94	152.00
Xylenes (Mixed)	489.99	198.00	489.99	198.00
Naphthalene	N.A.	N.A.	N.A.	N.A.

Please submit a remediation plan and evidence that all current or potential receptors have been properly notified by December 20, 1998 to assure compliance with our rules.

This plan, at a minimum, should include information as required in the Guidance Document. Be sure to include any additional soil boring/well completion logs and laboratory analytical reports.

Evidence that all current receptors have been properly notified in accordance with OAC Rule 165:25-3-78 must be submitted to the OCC on or before December 20, 1998. Receptors include both landowners and any lessees. Utility firms should be notified if the location of their utility is impacted. City, county, and/or state (Oklahoma Department of Transportation) governments should be notified if the shallow soils and/or shallow groundwater are impacted beneath the roadway and adjacent right-of-way.

Thank you for handling this matter in a professional and timely manner.

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,



Frank Vernon
Project Environmental Analyst

GFV:raw

cc:

NESCO

Attn: Mr. Gary Hale
12331 East 60th Street
Tulsa, Oklahoma 74146-6902

(064-1019)

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Is your RETURN ADDRESS completed on the reverse side? 3. Article Addressed to: LOVE'S COUNTRY STORES, INC. ATTN: MR. KENT SNEED P.O. Box 26210 OKLA. CITY, OK 73126-0210	SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
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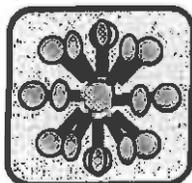
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PS Form 3800, April 1995

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Love's #45 Final Remediation Report

ETG
R



SURBEC
ENVIRONMENTAL L.L.C.

4/25/07
Approved
LB

January 9, 2007

Mr. Leonard Billingsley
Oklahoma Corporation Commission
Petroleum Storage Tank Division
Jim Thorpe Building, Room 238
2101 N. Lincoln Boulevard
Oklahoma City, OK 73105

Re: Demobilization Report
OCC Case 064-1019
Love's Travel Stops & Country Stores, 450 W. Main, Weatherford, OK

Dear Mr. Billingsley:

Surbec completed the surfactant flushing on May 12, 2006. The post surfactant flushing gauging event conducted by Surbec was held on September 25, 2006. Based on Surbec in-house preliminary results for the well gauging event, the free product recovery for the subject site, less than 1/8" thickness, has been achieved (see attached). Therefore, Surbec sent the request to OCC PSTD on October 3, 2006 to conduct the demobilization tasks at the Weatherford site and obtained the pre-approval letter from OCC (see attachment).

Surbec initiated the demobilization tasks from the subject site on October 5, 2006 and completed the demo tasks on October 5, 2006. Surbec removed all the remediation equipment from the site and restored the site to the condition for further post remediation monitoring event.

If you have any questions or comments, please feel free to contact me at 405/364-9726.

Sincerely,

Ben Shiau
Director of Surfactant Technology
OCC Certified Consultant 1672

2007 FEB 10 PM 12:01
MORNING
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Leonard
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SURBEC
ENVIRONMENTAL LLC

**REMEDATION FINAL REPORT
LOVE'S TRAVEL STOPS AND COUNTRY STORES INC.
LOVE'S TRAVEL STOPS NO.45, WEATHERFORD, OKLAHOMA
OCC CASE # 064-1019**

**PREPARED FOR:
OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
JIM THORPE BUILDING, RM 238
OKLAHOMA CITY, OK 73152-2000
&
LOVE'S TRAVEL STOPS AND COUNTRY STORES
P.O. BOX 26210
OKLAHOMA CITY, OK 73126-0210**

**PREPARED BY:
SURBEC ENVIRONMENTAL, LLC
3111 BROCE DRIVE
NORMAN, OK 73072**

October 17, 2006

62 E 111 70 111 10

301 111 70 111 10

GAUGING

Well No.	Sample Date	Depth to Water	Free Prod. Thickness
MW-7	9/25/06	48.36	0
MW-8	9/25/06	47.91	0
MW-29	9/25/06	45.55	0
MW-30	9/25/06	44.8	0
DW-3	9/25/06	43.2	0
EW-1	9/25/06	49.61	0
EW-2	9/25/06	49.21	0
EW-3	9/25/06	48.28	0
EW-4	9/25/06	48.32	0
EW-5	9/25/06	48.67	0
EW-6	9/25/06	46.55	0
EW-7	9/25/06	45.79	0
EW-8	9/25/06	44.92	0
EW-9	9/25/06	44.11	0
EW-10	9/25/06	44.71	0
EW-11	9/25/06	43.17	0
EW-12	9/25/06	44.65	0
EW-13	9/25/06	46.51	0
EW-14	9/25/06	45.79	0
EW-15	9/25/06	44.32	0
IW-1	9/25/06	49.01	0
IW-2	9/25/06	48.67	0
IW-3	9/25/06	48.21	0
IW-4	9/25/06	48.02	0
IW-5	9/25/06	47.73	0
IW-6	9/25/06	47.89	0

IW-7	9/25/06	46.33	0
IW-8	9/25/06	45.89	0
IW-9	9/25/06	45.76	0
IW-10	9/25/06	45.44	0
IW-11	9/25/06	45.2	0

2003189

REMEDATION FINAL REPORT
LOVE'S TRAVEL STOPS AND COUNTRY STORES INC.

Love's Travel Stops No.45, Weatherford, Oklahoma

OCC Case # 064-1019

450 W. Main, Weatherford, Oklahoma

Approved
2/14/07
LR

1.0 INTRODUCTION

Surbec was contracted by Love's Travel Stops & Country Stores, Inc. in February, 2006 to complete an in situ surfactant flushing to remove free product gasoline in the area close to the Love's Travel Stops No.45 facility, which is located at 450 W. Main, Weatherford, Oklahoma. The free product remediation efforts at the subject site were recommended and approved by the Oklahoma Corporation Commission (OCC), Petroleum Storage Tank Division (PSTD); the subject facility is an active station and was historically impacted by the free phase and residual gasoline fuel. From April 3, 2006 to May 12, 2006, the surfactant flushing was conducted at the site to deliver the pre-selected surfactant systems into the contaminated zone (between 45 to 50 feet below ground surface), and to recover and treat the mobilized gasoline and the waste fluids. After surfactant injection, recycled water was reused and re-injected for a ten-week period (between May 13 and July 14, 2006) to remove the free phase and/or residual phase gasoline, and surfactant from the target zone. The success of the recycled water flushing will be determined by gauging the key monitoring wells indicating no apparent oil thickness in the wells (less than 1/8 inches of oil thickness).

After recycled water flushing, Surbec closely monitored the potential rebound of free product thickness in the monitoring wells. Based on preliminary well gauging event, Surbec decided to perform a limited push-and-pull surfactant flushing in the localized area between August 14, 2006 and September 21, 2006. Results from the well gauging events clearly showed that the surfactant/recycled water flushing successfully remove the free phase and/or residual phase gasoline from the target site (to less than 1/8-inch oil thickness).

1.1 Low Surfactant Concentration Approach

For previous remediation efforts, the surfactant concentrations used for solvent and hydrocarbon remediation have been between 3 to 8 wt%. The main objective of Surbec's recent SESR efforts was to demonstrate the capability of significant removal of NAPI from the source area using a low concentration (0.94 wt%) surfactant solution. There are several advantages to use a low surfactant concentrations, including (1) significant savings on chemical use and project cost, (2) minimizing and/or completely eliminating the necessity for reuse/recycling of the recovered surfactant, and (3) improving the above-ground treatment efficiency (e.g., less retention time for breaking foam and the macro or micro emulsion during the oil/water separation stage).

Surbec has recently completed several low concentration surfactant flushing UST projects in several states with success. The low concentration approach was used for the removal of the free phase hydrocarbon at the Love's Travel Stops No.45 site. Prior to

finalizing the design of the surfactant flush, laboratory studies were conducted to optimize the surfactant formulation selected for remediation efforts at Love's Travel Stops No.45 site.

1.2 Laboratory Experiment Methodology

The purpose of this section is to briefly describe the procedures used for selecting the optimum surfactant for the Love's Travel Stops No.45 site.

Surfactant Selection and System Design

Selection of a proper surfactant system through a series of laboratory screening tests is one of the most crucial steps for completion of a successful surfactant flushing project. Laboratory surfactant screening typically consists of the following tests: surfactant-NAPL phase behavior properties, surfactant sorption and precipitation, and contaminant extraction-column studies. The purpose of these tests was to identify the best surfactant formulation suitable for removal of free product at the site.

The results of the one-dimensional column studies aided in the design of the full-scale application. One-dimensional column test results were used to quantify the number of pore volumes (PV) required to mitigate the presence of NAPL using the surfactant flushing. Surbec previous laboratory and field studies indicated that for free phase NAPL recovery using the mobilization mechanism, injection of one to two pore volumes (PV) surfactant solution could remove the majority of the NAPL. Based on the laboratory surfactant screening tests conducted for the Love's Travel Stops No.45 site, Surbec selected a dual anionic surfactant system (Surfactant A and Surfactant B) at 0.94 wt% with addition of NaCl (0.5 wt%) which would effectively remove most site NAPL from the soil-packed column (> 98% removal).

1.3 Site Geology/Hydrogeology

The site geology consists of fine and medium grained sand and poorly cemented fine sand between 0 to 55 feet.

Groundwater at the site during the remediation (May 2006 through July 2006) was at an approximate depth of 40 to 50 feet below ground surface (bgs). The free/residual phase hydrocarbons were generally detected at the water table, and slightly above.

2.0 REMEDIATION IMPLEMENTATION

The remediation approach consisted of a low concentration surfactant flush (1.2 PV) to remove free phase and residual phase hydrocarbons.

2.1 Well Network and Treatment System

The free product plume consisted of an area approximately 26,400 ft². A line drive injection/extraction well pattern was installed to create an efficient and effective sweep pattern across the hydrocarbon contaminated zone.

Surbec installed a network of injection and extraction wells to conduct a surfactant flush for removal of free/residual phase hydrocarbons. The network consists of sixteen

extraction (4-inch) and ten injection (2-inch) wells. The well network is configured generally in a line-drive type approach.

Surfactant was injected into the ten injection wells and the groundwater was extracted from the sixteen extraction wells. The surfactant injection rate was between 0.2 to 0.3 gpm per 2-inch injection well. An Eductor System was used to remove the recovered NAPL and fluid from the extraction wells. The extracted water was pumped to an oil/water separation tank, then through the packed column air stripper, and was then sent to the holding tank to be used as re-cycled water for surfactant mixing and the post recycled water flush.

2.2 Surfactant/Recycled Water Flushing

Surbec completed the surfactant/recycled water flushing at the Love's Travel Stops No.45 site during a four-month period (from March 21, 2006 to July 14, 2006). The breakdowns of these events are listed in Table 1.

Table 1. Summary of surfactant/recycled water flushing events at the Love's Travel Stops No.45 site

Phase I	Time	Fluid Injected	Volume injected Gallons
a. Pre-water flushing	03/21/06 – 04/02/06	Recycled water	45,000
b. Surfactant flushing	04/03/06 - 05/12/06	Surfactant solution	107,500
c. Post-water flushing	05/13/06 - 07/14/06	Recycled water	127,000

A total of 45,000-gallon-pre-water flushing was first conducted at the site to remove the highly mobile NAPL from the target zone to minimize the use of surfactant. During the surfactant injection period (April 3, 2006 to May 12, 2006), 107,500 gallons of the selected surfactant solution (0.94 wt%) were injected into the target area (26,400 ft²) to remove the free phase gasoline. After completed the surfactant injection, a total of 127,000 gallons of recycled water were injected during the post-water flushing period (May 13, 2006 to July 14, 2006) to further remove the mobilized gasoline in the target zone.

After recycled water flushing, the flushing system was shut down to monitor any potential rebound of free phase product in the key monitoring wells. Based on Surbec's preliminary well gauging event, Surbec decided to perform several limited push-and-pull surfactant flushing in localized areas between August 14, 2006 and September 21, 2006. The goal of these push-and-pull surfactant flushing events is to further remove any potential free phase NAPL trapped in the localized area.

3.0 RESULTS

The goal of this remediation effort is to achieve the clean-up level of less than 1/8 inches free product thickness in the key wells at the Love's 45 site. The performance of the remediation process will be confirmed by the OCC PSTD based on the future gauging event indicating absence of free product (1/8-inch) observed in any key monitoring wells. Results of Surbec's on-site monitoring of the key wells (gauging data, BTEX and GRO

analyses) in the last five months (May 12, 2006 to October 9, 2006) are briefly described in this section.

Free Phase Gasoline Thickness

Monitoring results of free phase gasoline in the selected key monitoring wells are summarized in Table 2. Before surfactant flushing, three monitoring wells (MW-3, MW-7 and MW-15) showed more than one foot thickness of free phase gasoline and two monitoring wells (MW-8 and MW-20) showed less than one foot thickness of free phase gasoline. At the end of the surfactant flushing (05/01/06) and the post recycled water flushing (7/17/06), all key monitoring wells, except MW-15, had met the clean-up level of less than 1/8 inch free product. After Surbec decided to perform the system shut down and preliminary gauging events, the push-and-pull surfactant flushing in localized areas with pre-approval from the OCC PSTD to ensure all monitoring wells, MW-15 and other MWs, meets the clean-up level of 1/8-inche thickness in the wells. Surbec's two well gauging events conducted on September 25, 2006 and October 9, 2006 showed that the combination of surfactant flushing and the post push-and-pull steps successfully remove the free phase and/or residual phase gasoline from the targeted zone at Love's Travel Stops No.45.

Table 2. Free phase thickness in the key monitoring wells before and after the surfactant flushing and the post recycled water flushing (feet)

Well Number	Date					
	3/16/06	04/13/06 (Surfactant flushing)	05/01/06 (Surfactant flushing)	7/17/06 (Post recycled water flushing)	9/25/06	10/09/06
MW-1	0.00	N/A	N/A	N/A	N/A	N/A
MW-3	1.70'	1.15'	0.00	0.00	N/A	0.00
MW-7	2.00'	0.62'	0.00	0.00	0.00	0.00
MW-8	0.20'	0.35'	0.00	0.00	0.00	0.00
MW-15	1.12'	1.25'	0.00	0.01'	N/A	0.00
MW-20	0.80'	0.00	0.00	0.00	N/A	N/A
MW-30	0.00	N/A	N/A	0.00	0.00	0.00
MW-34	N/A	0.00	0.01'	0.00	N/A	0.00
DW2	N/A	1.00'	N/A	N/A	N/A	0.00

* N/A: Not measured

BTEX and Total Petroleum Hydrocarbons (Gasoline Range Organics, GRO) in Groundwater

The selected groundwater sampling events and the BTEX and TPH (GRO) concentrations in the key monitoring wells were summarized in Tables 3a-3b. After free product were removed, most benzene levels in all key monitoring wells (except MW-30) decreased significantly based on the sampling event on August 1, 2006. It is anticipated that further improvement of GW quality after the push-and-pull surfactant flushing conducted in August and September of 2006.

Table 3a. Groundwater BTEX & TPH concentrations during the baseline sampling event (before surfactant injection) (03/14/06)

Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
MW-2	3/16/2006	ND	ND	ND	ND	ND
MW-3	3/16/2006	FP	FP	FP	FP	FP
MW-5	3/16/2006	ND	ND	ND	ND	ND
MW-6	3/16/2006	ND	ND	ND	ND	ND
MW-7	3/16/2006	FP	FP	FP	FP	FP
MW-8	3/16/2006	FP	FP	FP	FP	FP
MW-9	3/16/2006	ND	ND	ND	ND	ND
MW-15	3/16/2006	FP	FP	FP	FP	FP
MW-16	3/16/2006	252	50	75	109	1
MW-19	3/16/2006	ND	ND	ND	ND	ND
MW-20	3/16/2006	FP	FP	FP	FP	FP
MW-21	3/16/2006	6	14	11	14	1
MW-24	3/16/2006	ND	ND	ND	ND	ND
MW-28	3/16/2006	52	ND	9	28	ND
MW-29	3/16/2006	ND	7	ND	28	ND
MW-30	3/16/2006	11601	2547	2112	2651	51
MW-31	3/16/2006	603	339	255	511	3
MW-32	3/16/2006	11	8	72	53	3

* Note: ND: not detected, FP: free product

Table 3b. Groundwater BTEX & TPH concentrations after completion of surfactant and post-water flushing events (08/01/06)

Sample ID	Sampled Date	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethylbenzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	GRO mg/L
MW7	8/1/06	7040	20000	4520	24160	178
MW8	8/1/06	2420	19940	4760	26960	132
MW9	8/1/06	ND	ND	BQL	BQL	0.3
MW20	8/1/06	58.8	33.8	95.7	599	4.5
MW30	8/1/06	17480	9940	1914	3032	46.3
MW34	8/1/06	14460	14940	2220	13140	81.1

* Note: ND: Not Detected, BQL: Below Quantitation Limit (0.5 $\mu\text{g/L}$ for BTEX and 0.05 mg/L for TPH/GRO)

Efficiency of Above-Ground Treatment System

Results of the representative influent and effluent samples collected from the packed tower air stripper during the surfactant flushing and the recycled water flushing are depicted in Table 4a-4b. Data from these sampling events indicated that the above-ground treatment system were highly effective in removal of the residual VOCs (e.g., BTEX & GRO) from the recovered fluid. During the active surfactant and post recycled water flushing, the GRO concentrations in the treated groundwater were mostly lowered to the value of 1 mg/L, or to the non-detectable level by air stripper.

Table 4a: Representative Influent/Effluent Samples from the packed tower air stripper during the surfactant flushing period (4/18/06-5/8/06)

Lab #	Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
208955	INF	4/18/06	963	3906	1415	6512	88
208956	EFL	4/18/06	52	272	124	655	20
208957	INF	4/18/06	989	3101	894	4665	56
208958	EFL	4/18/06	49	208	67	405	11
208959	INF	4/19/06	871	2166	405	2502	19
208960	EFL	4/19/06	28	95	18	120	2
208961	INF	4/19/06	788	1972	341	2219	18
208962	EFL	4/19/06	150	272	58	339	5
208963	INF	4/20/06	727	1725	266	1770	12
208964	EFL	4/20/06	39	98	15	127	2
208965	INF	4/20/06	826	1935	300	1977	14
208966	EFL	4/20/06	68	164	23	209	3
208967	INF	4/21/06	803	1900	289	1943	14
208968	EFL	4/21/06	87	211	26	27	2
208971	INF	4/22/06	803	1913	278	1877	14
208972	EFL	4/22/06	5	18	ND	20	1
208973	INF	4/22/06	584	5982	2135	10994	86
208974	EFL	4/22/06	284	124	325	1369	12
208997	INF	4/24/06	769	1933	273	1824	14
208998	EFL	4/24/06	13	38	6	43	1
208999	INF	4/24/06	708	1821	251	1670	12
209000	EFL	4/24/06	ND	6	ND	ND	1
209001	INF	4/25/06	725	1733	228	1513	11
209002	EFL	4/25/06	ND	10	ND	ND	1
209003	INF	4/25/06	715	1657	218	1470	11
209004	EFL	4/25/06	6	17	ND	23	1
209005	INF	4/26/06	608	1437	184	1249	9
209006	EFL	4/26/06	13	33	5	33	1
209007	INF	4/26/06	642	1440	178	1227	9
209008	EFL	4/26/06	18	40	6	42	1
209009	INF	4/27/06	804	1584	190	1284	10
209010	EFL	4/27/06	31	72	10	67	1
209011	INF	4/27/06	761	1892	267	1780	13
209012	EFL	4/27/06	6	21	ND	24	1
209035	INF	4/29/06	743	1455	226	1628	19
209036	EFL	4/29/06	22	52	13	90	7
209037	INF	4/29/06	866	1803	314	2133	21
209038	EFL	4/29/06	20	51	9	62	3
209039	INF	4/30/06	836	1834	169	1861	17
209040	EFL	4/30/06	ND	10	6	34	3
209041	INF	4/30/06	899	2034	374	2459	25
209042	EFL	4/30/06	ND	10	ND	24	1
209043	INF	5/1/06	902	2067	414	2742	32
209044	EFL	5/1/06	5	26	9	49	4
209045	INF	5/1/06	991	2306	389	2547	23
209046	EFL	5/1/06	ND	15	7	37	4
209047	INF	5/2/06	892	2181	541	3468	56
209048	EFL	5/9/06	ND	12	4	23	2
209049	INF	5/2/06	819	1883	260	1899	10

Lab #	Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
209050	EFL	5/2/06	5	22	7	42	1
209051	INF	5/3/06	783	1892	285	2045	11
209052	EFL	5/3/06	ND	11	ND	23	1
209053	INF	5/3/06	735	1863	291	2104	11
209054	EFL	5/3/06	ND	16	5	26	1
209055	INF	5/4/06	688	1699	247	1906	10
209056	EFL	5/4/06	6	24	6	36	1
209057	INF	5/4/06	593	1544	234	1773	11
209058	EFL	5/4/06	15	50	9	67	2
209067	INF	5/5/06	628	2019	450	2903	18
209068	EFL	5/5/06	5	24	10	53	2
209071	INF	5/7/06	688	1933	359	2363	14
209072	EFL	5/7/06	15	58	14	90	2
209073	INF	5/7/06	769	2108	398	2545	15
209074	EFL	5/7/06	11	44	11	68	2
209075	INF	5/8/06	804	2146	402	2582	15
209076	EFL	5/8/06	40	331	263	1429	23
209077	INF	5/8/06	654	1738	319	2163	13
209078	EFL	5/8/06	10	40	11	69	2

*ND < 5 ug/L for BTEX, ND < 1 mg/L for GRO

Table 4b: Representative influent/effluent samples & water well samples from the packed tower air stripper during the post water flushing period (06/20/06-7/14/06)

Lab #	Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
209331	Influent	6/20/2006	693	1852	269	2021	9
209332	Effluent	6/20/2006	24	73	11	84	ND
209333	Influent	6/21/2006	747	1979	282	2085	9
209334	Effluent	6/21/2006	21	71	10	74	ND
209335	Influent	6/21/2006	746	1982	285	2091	9
209336	Effluent	6/21/2006	16	47	8	60	ND
209337	Influent	6/22/2006	760	2011	290	2100	9
209338	Effluent	6/22/2006	18	58	11	75	ND
209339	Influent	6/22/2006	742	1933	274	1997	8
209340	Effluent	6/22/2006	10	30	7	45	ND
209341	Influent	6/23/2006	748	1874	279	2064	9
209342	Effluent	6/23/2006	46	130	19	145	ND
209343	Influent	6/23/2006	829	2092	301	2202	9
209344	Effluent	6/23/2006	18	56	12	82	ND
209345	Influent	6/24/2006	732	1846	285	2114	10
209346	Effluent	6/24/2006	55	156	25	192	1
209347	Influent	6/24/2006	1040	2667	407	2999	9
209348	Effluent	6/24/2006	72	216	32	228	2
209349	Influent	6/25/2006	1030	2573	398	2949	10
209350	Effluent	6/25/2006	43	129	20	140	1
209351	Influent	6/25/2006	1122	2744	405	2971	10
209352	Effluent	6/25/2006	45	125	22	149	1
209353	Influent	6/26/2006	941	2311	364	2747	10

Lab #	Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
209354	Effluent	6/26/2006	39	112	19	140	1
209355	Influent	6/26/2006	1055	2690	407	2967	10
209356	Effluent	6/26/2006	36	103	21	133	2
209357	Influent	6/27/2006	891	2237	364	2763	10
209358	Effluent	6/27/2006	31	97	17	107	1
209359	Influent	6/27/2006	1001	2485	377	2738	10
209360	Effluent	6/27/2006	52	142	22	178	1
209361	Influent	6/28/2006	1035	2547	375	1764	10
209362	Effluent	6/28/2006	22	65	11	78	1
209363	Influent	6/28/2006	1063	2611	386	2803	10
209364	Effluent	6/28/2006	10	29	6	38	ND
209365	Influent	6/29/2006	1023	2523	370	2700	10
209366	Effluent	6/29/2006	53	151	22	178	1
209367	Influent	6/29/2006	1015	2512	370	2692	10
209368	Effluent	6/29/2006	9	25	6	36	ND
209369	Influent	6/30/2006	998	2524	376	2719	10
209370	Effluent	6/30/2006	50	142	21	167	1
209371	Influent	6/30/2006	1018	2617	404	2893	10
209372	Effluent	6/30/2006	21	62	10	75	1
209373	Influent	7/1/2006	916	2355	363	2638	10
209374	Effluent	7/1/2006	26	69	13	95	1
209383	Influent	7/6/2006	788	2600	577	3592	15
209384	Effluent	7/6/2006	42	156	37	266	2
209385	Influent	7/6/2006	860	3064	772	4474	21
209386	Effluent	7/6/2006	7	45	20	101	2
209387	Influent	7/7/2006	838	2858	688	4088	18
209388	Effluent	7/7/2006	4	28	15	73	2
209389	Influent	7/7/2006	724	2168	422	2777	11
209390	Effluent	7/7/2006	10	37	14	63	1
209391	Influent	7/8/2006	657	1609	289	1987	9
209392	Effluent	7/8/2006	10	35	11	56	1
209393	Influent	7/8/2006	600	1398	219	1616	6
209394	Effluent	7/8/2006	11	32	8	47	1
209395	Influent	7/9/2006	575	1383	214	1596	6
209396	Effluent	7/9/2006	5	13	ND	23	1
209397	Influent	7/9/2006	589	1526	234	1700	6
209398	Effluent	7/9/2006	11	33	7	44	1
209399	Influent	7/10/2006	585	1540	244	1751	6
209400	Effluent	7/10/2006	14	42	9	60	1
209401	Influent	7/10/2006	579	1596	264	1850	7
209402	Effluent	7/10/2006	25	74	13	97	1
209496	Influent	7/11/2006	980	2059	418	1547	9
209797	Effluent	7/11/2006	26	73	15	66	1
209498	Influent	7/11/2006	144	103	ND	823	9
209499	Effluent	7/11/2006	18	47	9	41	0.4
209500	Influent	7/12/2006	1025	2090	405	1784	9

Lab #	Sample ID	Sampled Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	GRO mg/L
209501	Effluent	7/12/2006	7	21	5	19	0
209502	Influent	7/12/2006	1000	2005	388	1181	9
209503	Effluent	7/12/2006	43	108	20	102	0.6
209504	Influent	7/13/2006	1139	2214	438	1909	10
209505	Effluent	7/13/2006	14	38	9	24	0.4
209506	Influent	7/13/2006	712	1578	285	1321	7
209507	Effluent	7/13/2006	23	60	10	51	0
209508	Influent	7/14/2006	410	1117	239	1122	6
209509	Effluent	7/14/2006	25	78	16	84	1

*ND < 5 ug/L for BTEX, ND < 1 mg/L for GRO

4.0 CONCLUSIONS

The following conclusions are based on the results of the gauging and groundwater sampling completed prior to, and after the surfactant/recycled water flush.

1. The results indicate surfactant flushing is a rapid and cost competitive technology for free phase hydrocarbon removal.
2. Free phase hydrocarbon (gasoline) was removed from the TPH-impacted sandstone and in all key monitoring (< 1/8-inch oil thickness).
3. As demonstrated by this project, surfactant flushing significantly decreases the clean-up time necessary for LNAPL free phase removal as compared to traditional remedial technologies (pump and treat, air sparging/vapor extraction, etc.).
4. The packed tower air stripper can reduce hydrocarbon concentrations to extremely low levels enabling re-use of the treated water for the surfactant flushing processes.
5. Based on these results, Surbec suggests the OCC PSTD to conduct a confirmatory well gauging event to assess the performance of this remediation effort.

** There is a small amount of product in SB-1 which is at the up-gradient area of the plume, Surbec is currently remediating the well and will remove the product in this well to an 1/8" or less as in all of the other wells as per our guarantee.

Love's #45 Closure Letter

Tech

BOB ANTHONY
Commissioner

JEFF CLOUD
Commissioner

JIM ROTH
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
 (405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000 • OKLAHOMA CITY, OK 73152-2000

December 4, 2007

Case ID #: 064-1019
 Facility ID #: 20-03189
 Final Closure Report

Love's Travel Stops and Country Stores, Inc.
 Attn: Mr. Michael Key
 PO Box 26210
 Oklahoma City, OK 73126-0210

RE: Final Closure Report
 Love's Country Store # 45
 400 West Main
 Weatherford, OK

Dear Mr. Key:

Based upon the review of the Final Closure Report this case is closed. If in the future, levels of Chemical of Concern are discovered to exceed those determined appropriate for this site, the case will be reopened. A copy of this letter is being sent to your consultant.

If you have any questions, please discuss this with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely:

Leonard Billingsley
 Leonard Billingsley
 Project Environmental Analyst

LB/nb

CC: Surbec Environmental, LLC
 Attn: Terry Tate
 3111 Broce Drive
 Norman, OK 73069

Copies to Terin Morris, Tech File, and Claim Files

Dolese Batch Plant Closure Evaluation and Risk Assessment Report

StanTech

A DIVISION OF STANDARD TESTING AND ENGINEERING COMPANY

4300 NORTH LINCOLN BOULEVARD
OKLAHOMA CITY, OKLAHOMA 73105
FAX: (405) 424-8129 TOLL FREE: (800) 725-8378
(405) 424-8378

February 13, 1995

DS
✓ RECEIVED
LUST TRUST FUND
FEB 13 1995
OKLAHOMA CORPORATION
COMMISSION

Mr. Dick Oppel
Underground Storage Tank Division
Oklahoma Corporation Commission
Jim Thorpe Building
Oklahoma City, OK 73105

RE: Final Closure Report per OAC 165:25-3-79
Dolese Bros. Co.
Weatherford Batch Plant
Weatherford, Oklahoma
OCC Case #: 064-711/Facility ID#: 20-06501
StanTech File: 1392-0922

Dear Mr. Oppel:

This letter is being written on behalf of Dolese Bros. Co. and is to serve as request for final closure for the above-referenced site. In correspondence from the Oklahoma Corporation Commission (OCC) dated November 15, 1994, the OCC required (1) a deed notification be filed with the Custer County courthouse stating that the underground storage tank (UST) case had been closed under risk assessment; (2) the OCC receive any copies of future sampling analytical results; and (3) preparation of a final closure report per OAC 165:25-3-79(c), which provides evidence of proper decommissioning of equipment (eg. monitoring wells and passive soil vapor extraction {SVE} wells). See Figure 1 for former locations of monitoring wells and passive SVE wells.

On February 8 and 9, 1995 StanTech mobilized to the site to plug monitoring wells which had been installed during the investigation (monitoring wells MW-1, MW-2, M-3, MW-4, and MW-5,) and to plug and decommission the passive SVE wells installed during the backfilling of the former tank pit and during the investigation (SVE #3 and SVE #4). Exhibit A contains copies of the Oklahoma Water Resources Board (OWRB) plugging documents.

The monitoring wells were plugged per OWRB guidelines by removing the well pads and drilling out the cement grout, bentonite, and sand using a Failing F-6 drilling rig with 8-inch hollow stem augers (HSA). Once the annular materials were drilled to total depth, the casing



Improving the quality of life in a harsh environment

Mr. Dick Oppel
OCC

2

February 13, 1995
OCC Case # 064-711

was pulled from the borehole, and cement grout was placed in the borehole with a tremie pipe from bottom of the well to ground surface. Copies of the photographs taken during the plugging event are included in Exhibit B.

The PVC pipe associated with the passive SVE's within the former tank pit excavation, and SVE #3, was pulled and cement grout was placed from total depth to ground surface. The PVC pipe associated with SVE #4 was pulled, the materials (eg. cement grout, bentonite grout, sand) were drilled out using the drilling rig and cement grout was placed from total depth to ground surface. Copies of the photographs taken during the plugging event are included in Exhibit B.

Per OCC requirements, a deed notification was prepared and filed with the Custer County courthouse on February 8, 1995. Proof of this record is included in Exhibit C. Please note that no additional sampling has been performed by StanTech or Dolese Bros. Co.

Dolese Bros. Co. will cordially await the final closure letter from the OCC. If you have any questions feel free to contact me at 424-8378. Thank you for your assistance in this matter.

Sincerely,



Susan Cook
Project Manger



Sheila Baber, OCC #0046, P.G.
Manager, Environmental Services

cc: Mr. Tom Dupuis
Dolese Bros. Co.

att.



Underground Storage Tank Investigation

Dolese Weatherford Batch Plant
315 South Broadway
Weatherford, Oklahoma

CLOSURE EVALUATION AND LIMITED RISK ASSESSMENT

July 22, 1994

OCC Case No.: 064-711
OCC Facility No.: 20-06501
StanTech Project No.: 1392-0922

PREPARED FOR:

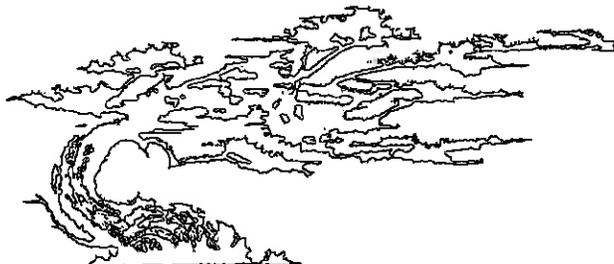
Oklahoma Corporation Commission
UST Department
Jim Thorpe Building
Oklahoma City, OK 73105-4993
405-521-3107

ON BEHALF OF:

Dolese Bros. Co.
P.O. Box 677
Oklahoma City, OK 73101-0677
405-235-2311

PREPARED BY:

StanTech
3400 North Lincoln Blvd.
Oklahoma City, OK 73105
405-424-8378



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SECTION 1

EXECUTIVE SUMMARY

Based on information obtained to date, the following conclusions have been made regarding the Dolese Bros. Co. facility located at 315 South Broadway in Weatherford, Oklahoma:

- o The source of the release has been removed.
- o No BTEX concentrations above OCC Category II Cleanup Levels have been encountered in any soil or groundwater samples obtained from any of the bore holes/monitoring wells. Benzene, because it is a class A human carcinogen (EPA, 1991), is the contaminant of greatest concern from a risk assessment basis. The greatest concentration of benzene in soil was 0.08 ppm (BH #4). Benzene was not detected in any groundwater sample obtained from the monitoring wells present on the site.
- o Soil borings/monitoring wells which have been placed on the site indicate that the soil contamination associated with the release from the former UST appears to be limited to the unsaturated native soil in the immediate vicinity of the former UST pit. The primary contaminant is TPH which exceeded the OCC Category II cleanup level within soil samples obtained from the east and west tank pit walls, soil boring BH #3, monitoring well MW-1, and soil boring BH #4. The horizontal extent of the TPH contamination appears to be defined within the area of soil borings BH #3 and BH #4 and monitoring well MW-1. Samples obtained at different depths in the vicinity of the former tank pit were used to estimate the volume of contaminated soil and the quantity of contaminant released as input to the risk assessment model. The soil sample obtained from soil boring BH #3 at 30 feet below ground surface revealed a TPH concentration of 5984 ppm, the soil sample obtained from soil boring BH #4 at 25 feet below ground surface revealed a TPH concentration of 2722 ppm, and the soil sample obtained from the boring location of monitoring well MW-1 at 19.5 feet below ground surface revealed a TPH concentration of 1677 ppm.
- o Subsurface investigations at the site indicate that the static water level within the monitoring wells is approximately 55 feet below ground surface. Groundwater samples obtained from monitoring wells MW-1, MW-2, MW-4, and MW-5 during 1993 sampling events revealed no BTEX or TPH concentrations above the stated laboratory detection limits; Oilab reported a detection limit of 1 ppm for TPH. During the May 1994 groundwater sampling event, groundwater samples obtained from the same monitoring wells revealed TPH concentrations; however,

no concentrations were above the OCC category II cleanup level. The laboratory performing the May 1994 analyses (Standard Testing and Engineering Company) reported a 0.1 ppm detection limit for TPH concentrations. These TPH concentrations were encountered during the second round of groundwater sampling. The screened intervals of the monitoring wells were (in feet below ground surface): MW-1 = 53 to 68 feet, MW-2 = 41 to 61 feet, MW-4 = 47 to 62 feet, and MW-5 = 44.5 to 59.5 feet. The difference in TPH concentrations between the 1993 and 1994 sampling events may be a result of the different detection limits reported by the different laboratories.

- o During the Phase II portion of the investigation, water samples were obtained from the water wells located north of the Dolese property; one well is located approximately 230 feet from the subject site (pump) and one well is located approximately 315 feet from the subject site (windmill). A benzene concentration of .0092 ppm was detected within the water sample obtained from the well located approximately 315 feet from the subject site (this well is the northernmost well). Please note that two leaking UST facilities are located upgradient from the subject site; D.D. Schutes located at 222 West Main (OCC Case #064-477) and Sonny's Restaurant located at 221 West Main (OCC Case #064-568). Records on file with the OCC indicate that as of March, 1994 approximately 1,160 gallons of free product/wastewater mixture (reportedly 780 gallons of which was free product) has been recovered at the D.D. Schutes site. Groundwater flow direction at the D.D. Schutes facility was reported to be southerly. Records on file with the OCC indicate that the Sonny's Restaurant facility has free product within one monitoring well present on the site and the groundwater flow direction at the site is southerly. Therefore, the contamination detected within the northernmost water well is not expected to have migrated from the Dolese facility. In addition, the release which occurred at the Dolese facility involved diesel and the direction of groundwater flow at the Dolese facility is southerly.

- o A limited risk assessment was performed using the American Petroleum Institute's Decision Support System (API DSS) for Exposure and Risk Assessment. The results of the analysis indicated that benzene concentrations would not exceed drinking water standards in a hypothetical well located 230 feet directly downgradient from the contaminated portion of the site. Although static water level measurements showed the closest well (which is approximately 230 feet northwest of the site) to be upgradient, the analysis was performed assuming that a water supply well was located 230 feet directly downgradient. The nearest actual downgradient receptor identified was the Little Deep Creek which is approximately 1000 feet south of the site.

- o Using information obtained during the most recent sampling event (May 6, 1994), groundwater flow at the subject site appears to be southerly.

- o An area reconnaissance was performed on the properties in the vicinity of the subject site. To the north of the site are Dolese metal storage buildings and vacant land. To the northeast is a paved area and to the east is the Soil Conservation Service. To the west of the Dolese property is B & H Portable Buildings/Suttons Cabinets and Refinishing and associated storage yard. South and southeast of the site is vacant land. Residential properties are present approximately 400 feet south of the subject site. Interviews were performed and no water wells are reportedly associated with these residential properties to the south of the Dolese property.

SECTION 4

SITE HISTORY

Evidence of a hydrocarbon release was discovered at the Dolese Bros. Co. Weatherford Batch Plant located at 315 South Broadway in Weatherford, Custer County, Oklahoma. Contamination was discovered during the removal of two underground storage tanks (USTs): one 1,000-gallon diesel UST and a (formerly closed-in-place) 500-gallon gasoline UST. Mr. Ira Smith of the Oklahoma Water Resources Board (OWRB) was present to observe the tank removal and sampling. With Mr. Smith's concurrence, three soil samples were obtained from the diesel tank pit and analyzed for TPH (total petroleum hydrocarbons). Two of the samples revealed TPH concentrations above OCC Category II Cleanup Levels. Table 1 below presents analytical results and Exhibit B contains an analytical report and chain-of-custody.

*Dolese
Weatherford
Batch plant*

REMOVAL SOIL SAMPLE ANALYSES
(Analytical results presented in ppm)

Location	TPH
East Wall	746
South Wall	2
West Wall	998
OCC Action Level	50

Shaded area above OCC Action Level.

Per a telephone conversation with Mr. Bruce Langhus, verbal permission was granted to place the excavated soil back into the pit. Also, under the direction of Mr. Bruce Langhus, OCC, two passive soil vapor venting wells (4-inch slotted PVC screen with turbines) were placed into the excavation during backfilling.

On December 9, 1992 StanTech personnel mobilized to the site to install three soil borings (BH #1, BH #2, BH #3 - see Figure 2) in order to obtain information necessary for completion of the ISCR. The soil borings were placed to approximately 30 feet below ground surface. No groundwater was encountered during drilling. The soil sample from each boring exhibiting the highest OVA reading was transported to the laboratory for BTEX and TPH analyses. No BTEX concentrations were detected above OCC Category II Cleanup Levels. With the exception of the sample obtained from soil boring BH #3 (5,984 ppm), no TPH concentrations were detected

above the OCC Category II Cleanup Level. Table 2 below presents analytical results and Exhibit B contains a copy of the laboratory analytical report and chain-of-custody.

Table 2. ISCR SOIL BORING SAMPLE ANALYSES
(analytical results presented in ppm)

Boring	Depth	Benzene	Toluene	Ethylbenzene	Xylene	TPH
BH #1	30 ft	<.005	<.005	<.005	<.005	432
BH #2	5-7 ft	<.005	<.005	<.005	<.005	3
BH #3	9-11 ft	<.005	0.470	1.700	3.600	5984
OCC Category II Cleanup Levels		5	400	150	1000	500

Shaded area above OCC Category II Cleanup Level.

During March, 1993 and April, 1993 StanTech mobilized to the job site and installed monitoring wells MW-1 through MW-5 (see Figure 2) in an attempt to delineate soil and groundwater contamination present at the site. Soil laboratory results indicated that the soil sample obtained from MW-1 exhibited a TPH concentration above the OCC Category II Cleanup Level; all other soil samples obtained revealed no BTEX or TPH concentrations above OCC Category II Cleanup levels. Static water levels measured within each monitoring well are at approximately 55 feet below ground surface in monitoring wells MW-1, MW-2, MW-4, and MW-5. During drilling activities, a water-saturated zone was encountered in monitoring well MW-3 at approximately 17 feet below ground surface; however, to date readings obtained with an interface probe have not shown any water to be present within the well. Groundwater laboratory results indicated that the groundwater samples obtained from MW-1, MW-2, MW-4, and MW-5 did not reveal any BTEX or TPH concentrations above stated laboratory detection limits.

During the installation of monitoring well MW-5 on April 29, 1993, two additional passive soil venting wells (SVE #3 and SVE #4) were installed per OCC direction within the immediate vicinity of the former tank pit (see Figure 2). Two soil samples were obtained; one from SVE #3 at 26 feet below ground surface and one from SVE #4 at 22 feet below ground surface. The soil sample obtained from the SVE #4 boring exhibited a TPH concentration of 64 ppm; all other data for soil samples obtained for SVE #3 and SVE#4 borings did not indicate presence of BTEX or TPH above stated laboratory detection limits. Table 3 below presents analytical results and Exhibit B contains a copy of the laboratory analytical report and chain-of-custody.

Table 3. ISGC SOIL AND GROUNDWATER ANALYSES
(analytical results presented in ppm)

Boring	Media	Depth	Benzene	Toluene	Ethylbenzene	Xylene	TPH
MW-1	Soil 3/23/93	19.5 ft	<.005	<.005	<.005	<.005	1677
	Water 3/30/93	--	<.0002	<.0002	<.0002	<.0002	<1
MW-2	Soil 3/24/93	31 ft	<.005	<.005	<.005	<.005	<1
	Water 3/30/93	--	<.0002	<.0002	<.0002	<.0002	<1
MW-3 Dry	Soil 3/25/93	22 ft	<.005	<.005	<.005	<.005	<1
MW-4	Soil 3/25/93	61 ft	<.005	<.005	<.005	<.005	<1
	Water 3/30/93	--	<.0002	<.0002	<.0002	<.0002	<1
MW-5	Water 4/29/93	--	<.0002	<.0002	<.0002	<.0002	<1
SVE #3	Soil 4/29/93	26 ft	<.005	<.005	<.005	<.005	<1
SVE #4	Soil 4/29/93	22 ft	<.005	<.005	<.005	<.005	64
OCC Category II Cleanup Levels	Soil		5	400	150	1000	500
	Water		.05	10	7	100	10

Shaded area above OCC Category II Cleanup Level.

During the site reconnaissance, three water wells which were not registered with the Oklahoma Water Resources Board (OWRB) were noted within 300 feet of the site. One of the wells

(approximately 250 feet northeast of the site and east of Broadway) was capped and was not sampled. The two other wells located north of the subject site were sampled and analyzed for BTEX and TPH. Table 4 below presents analytical results and Exhibit B contains a copy of the laboratory analytical report and chain-of-custody.

Table 4. WATER WELL ANALYTICAL RESULTS (3/30/94)
(analytical results presented in ppm)

Well Location	Benzene	Toluene	Ethylbenzene	Xylene	TPH
(Windmill) 315 Feet North of the Site	0.0092	<.0002	<.0002	<.0002	<1
(Pump) 230 Feet North of the Site	<.0002	<.0002	<.0002	<.0002	<1

Due to the type of material released at the subject site (diesel), the southerly groundwater flow direction at the subject site, and presence of two LUST facilities (D.D. Schutes - 064-477 and Sonny's Restaurant - 064-568) located upgradient from the Dolese facility, the benzene contamination detected within the northernmost well is not suspected to be associated with the Dolese site. In addition, the direction of groundwater flow at both of the LUST facilities is reported to be southerly. Information obtained from the OCC on these LUST facilities is located in Exhibit C.

A follow-up sampling event was performed on February 15, 1994 and soil boring BH #4 was installed near the previously-installed soil boring BH #3 (see Figure 2). This investigation was performed to evaluate the performance of the passive soil venting wells formerly placed in the tank pit and immediate vicinity. Soil samples were obtained and analyzed for BTEX and TPH at 15 feet, 21 feet, and 25 feet below ground surface. Laboratory analyses revealed no BTEX concentrations above OCC Category II Cleanup Levels; TPH concentrations were detected in each sample above OCC Category II Cleanup levels. Table 5 below presents analytical results and Exhibit B contains a copy of the laboratory analytical report and chain-of-custody form.

Table 5. FOLLOW-UP SOIL MONITORING EVENT (2/15/94)
(analytical results presented in ppm)

Boring	Depth	Benzene	Toluene	Ethylbenzene	Xylene	TPH
B-4	15 ft	0.08	0.37	1.57	1.07	6220
B-4	21 ft	0.05	0.73	5.31	22.96	17645
B-4	25 ft	0.02	0.18	0.83	3.125	2722
OCC Category II Cleanup Levels		5	400	150	1000	500

Shaded area above OCC Category II Cleanup Level.

In a letter dated March 2, 1994 to the OCC from StanTech, three remediation alternatives were discussed; these options were to continue passive soil venting, active air sparging/soil vapor extraction, and risk assessment. Due to the lack of presence of benzene above OCC Category II and depth to groundwater at the site, it was determined that a Risk Assessment would be appropriate to determine whether a more aggressive remediation method should be used or whether the case could be closed without further remedial actions. The possibility for case closure by Risk Assessment was discussed with Mr. Dick Opper (OCC - UST Division) and Mr. Dale Self (OCC - Indemnity Fund) and approval was granted to perform the Case Closure Plan per OAC 165:25-3-79 in a letter dated May 31, 1994. The purpose of this report is to supply information to the OCC in order to satisfy OAC 165:25-3-79.

During the most recent sampling event (May 6, 1994), MW-1, MW-2, MW-4, and MW-5 were purged and samples were obtained for BTEX (benzene, toluene, ethyl benzene, and xylenes) analysis by draft EPA Method 8020 and TPH-Diesel (total petroleum hydrocarbons) analysis by EPA Method 8015-B. Laboratory results revealed the groundwater samples obtained from the May, 1994 sampling event did not exhibit BTEX or TPH concentrations above OCC Category II Cleanup Levels. Table 6 below presents analytical results and Exhibit B contains a copy of the laboratory analytical report and chain-of-custody.

Table 6. GROUNDWATER ANALYTICAL RESULTS (5/6/94)
(analytical results presented in ppm)

Boring	Benzene	Toluene	Ethylbenzene	Xylene	TPH
MW-1	<.0005	<.0005	<.0005	<.0005	.381
MW-2	<.0005	<.0005	<.0005	<.0005	.240
MW-4	<.0005	<.0005	<.0005	<.0005	.448
MW-5	<.0005	<.0005	<.0005	<.0005	1.028
OCC Category II Cleanup Levels	.05	10	7	100	10

Shaded area above OCC Category II Cleanup Level.

As indicated in Table 6, TPH was detected in each of the groundwater samples obtained during this most recent sampling event (May 6, 1994). It should be noted that the laboratory used for the May, 1994 event used a TPH detection limit of .1 ppm and the laboratory used for the first groundwater sampling events (3/30/93 and 4/29/93) used a 1 ppm TPH detection limit. Figure 5 shows groundwater TPH concentrations.

No free product has been encountered during any of the investigation activities. Data obtained during the April, 1993 and May, 1994 monitoring events indicate that the direction of groundwater flow is southerly. Figure 3 shows groundwater contours plotted using static groundwater measurements obtained during the most recent sampling event (5/6/94).

Dolese Batch Plant Closure Letter

BOB ANTHONY
Commissioner

CODY L. GRAVES
Chairman

ED APPLE
Commissioner

OKLAHOMA

CORPORATION COMMISSION

JIM THORPE BUILDING (405) 521-3107

Tana Walker, Manager

Fuel Storage Dept.

OKLAHOMA CITY, OKLAHOMA 73105

April 25, 1995

OCC Case #064-0711
Facility #20-06501

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 176 136 599

Mr. Tom Dupuis
Dolese Brothers Co.
PO Box 677
Oklahoma City, OK 73101

RE: CLOSURE of Case Located at:

Dolese Bros.
315 S. Broadway
Weatherford, OK

Dear Mr. Dupuis:

After reviewing the above pollution case, it appears your site is placed in a Category II. A proposal for closure of the site by Risk Assessment was submitted to the Oklahoma Corporation Commission (OCC). After review of the Risk Assessment Proposal, OCC agreed to close the case. Therefore, closure of this site is approved under OAC 165:25-3-79, Oklahoma Corporation Commission (OCC) UST Rules and Regulations.

However, please be advised that should any contamination be discovered in the future, it will have to be properly remediated according to the OCC UST Rules and Regulations.

If you have any questions, contact the Fuel Storage Department at (405)521-3504, between 8:00 A.M. and 4:30 P.M. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,



R. E. OPEL
Senior Environmental Specialist

REO:rfp

cc: Ms. Susan Cook
StanTech Environmental Services
4300 N. Lincoln Blvd.
Oklahoma City, OK 73160

Indemnity Fund

(064-0711)

Former Coastal Mart Tier 1 ORBCA Report

BENTLEY
ENVIRONMENTAL
ENGINEERING, INC.

November 28, 1997

Mr. Leonard Billingsley
Senior Environmental Specialist
Oklahoma Corporation Commission
Jim Thorpe Building
Oklahoma City, Oklahoma 73105

RE: ORBCA Tier 1 & Tier 1-A (3-74) Report
Former Coastal Mart
214 State Street
Weatherford, Oklahoma

OCC CASE NO. 064-1958
FACILITY NO. 20-04214

RECEIVED
LUST TRUST FUND

DEC 10 1997
OKLAHOMA CORPORATION
COMMISSION

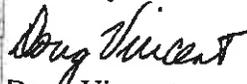


Dear Mr. Billingsley:

Please find attached the Oklahoma Risk Based Corrective Action (ORBCA) Tier 1 and Tier 1-A (3-74) Report for the above referenced site for your review and approval.

Please contact me, at extension 125, if you should have any questions or require additional information concerning this report.

Sincerely,



Doug Vincent
UST Licensed Consultant No. 0050

cc: The Phoenix Group
Mr. Al Thurman
File - 97173

Tier 1A Output - Future Conditions

Receptors:

None

Exposure Pathways:

No complete exposure pathways because no site soil or groundwater impaction was found.

Fate & Transport Parameters Altered:

None

CONCLUSIONS AND RECOMMENDATIONS OF TIER 1-A ANALYSES

Maximum chemical-of-concern (C-O-C) concentrations compared with minimum modified Risk-Based Screening Levels (RBSLs) for all completed pathways, excluding cross- or down-gradient groundwater ingestion receptors. Comparisons should only be made with soil that still exists in the area or groundwater data that is no more than two years old. If free product exists list maximum solubility concentrations.

<u>Maximum Soil C-O-C Concentration</u>			<u>Minimum Mod. RBSL</u>	<u>Exceed/Nonexceeded</u>
Benzene	ND	mg/Kg	NA mg/Kg	NE
Toluene	ND	mg/Kg	NA mg/Kg	NE
Ethylbenzene	ND	mg/Kg	NA mg/Kg	NE
Xylenes	ND	mg/Kg	NA mg/Kg	NE
Naphthalene	ND	mg/Kg	NA mg/Kg	NE

Max. Groundwater C-O-C Concentration

Benzene	ND	mg/L	NA mg/L	NE
Toluene	ND	mg/L	NA mg/L	NE
Ethylbenzene	ND	mg/L	NA mg/L	NE
Xylenes	ND	mg/L	NA mg/L	NE
Naphthalene	ND	mg/L	NA mg/L	NE

* Exceedance is only for future potential

Are there any cross- or down-gradient groundwater ingestion receptors? **No**
 If yes, what is the direction and distance to the nearest receptor? _____
 If yes, complete the summary below:

<u>Maximum Soil C-O-C Concentration</u>	<u>Min. Allowable Mod. RBSL</u>	<u>Exceed/Nonexceeded</u>
Benzene _____ mg/Kg	_____ mg/Kg	_____
Toluene _____ mg/Kg	_____ mg/Kg	_____
Ethylbenzene _____ mg/Kg	_____ mg/Kg	_____
Xylenes _____ mg/Kg	_____ mg/Kg	_____
Naphthalene _____ mg/Kg	_____ mg/Kg	_____

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
MW-1	Soil 7/21/93	44-45	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500
MW-1	Water 7/26/93	---	Benzene	0.130*	0.05
			Toluene	3.120	10
			Ethylbenzene	0.650	7
			Xylene	5.910	100
			TPH	20*	10
MW-1	Water 3/29/94	---	Benzene	0.060*	0.05
			Toluene	0.040	10
			Ethylbenzene	0.610	7
			Xylene	1.510	100
			TPH	15*	10
MW-1	Water 10/3/95	---	Benzene	0.0017	0.05
			Toluene	0.0029	10
			Ethylbenzene	0.0018	7
			Xylene	0.0159	100
			TPH	2	10
MW-2	Soil 7/21/93	39-40	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500
MW-2	Water 8/3/93	---	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500
MW-2	Water 3/29/94	---	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
MW-2	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-3	Soil 7/21/93	39-40	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500
MW-3	Water 8/3/93	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-3	Water 3/29/94	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-3	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-4	Soil 7/22/93	29-30	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500
MW-4	Water 8/3/93	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
MW-4	Water 3/29/94	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-4	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-5	Soil 9/10/93	59-60	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500
MW-5	Water 9/15/93	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-5	Water 3/29/94	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-5	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-6	Soil 6/21/94	59-60	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
MW-6	Water 6/21/94	---	Benzene Toluene Ethylbenzene Xylene TPH	0.240* 10.830* 0.157 10.900 64*	0.05 10 7 100 10
MW-6	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	0.0103 0.0014 ND 0.550 5	0.05 10 7 100 10
MW-7	Soil 9/26/94	59-60	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500
MW-7	Water 10/5/94	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-7	Water 10/3/95	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10
MW-8	Soil 9/26/94	59-60	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	5 400 150 1,000 500
MW-8	Water 10/5/94	---	Benzene Toluene Ethylbenzene Xylene TPH	ND ND ND ND ND	0.05 10 7 100 10

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
MW-8	Water 10/3/95	---	Benzene	ND	0.05
			Toluene	ND	10
			Ethylbenzene	ND	7
			Xylene	ND	100
			TPH	ND	10
MW-9	Soil 9/26/94	59-60	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500
MW-9	Water 10/5/94	---	Benzene	ND	0.05
			Toluene	ND	10
			Ethylbenzene	ND	7
			Xylene	ND	100
			TPH	ND	10
MW-9	Water 10/3/95	---	Benzene	ND	0.05
			Toluene	ND	10
			Ethylbenzene	ND	7
			Xylene	ND	100
			TPH	ND	10
MW-10	Soil 9/26/94	54-55	Benzene	ND	5
			Toluene	ND	400
			Ethylbenzene	ND	150
			Xylene	ND	1,000
			TPH	ND	500
MW-10	Water 10/5/94	---	Benzene	ND	0.05
			Toluene	ND	10
			Ethylbenzene	ND	7
			Xylene	ND	100
			TPH	ND	10
MW-10	Water 10/3/95	---	Benzene	ND	0.05
			Toluene	ND	10
			Ethylbenzene	ND	7
			Xylene	ND	100
			TPH	ND	10

**COMPARISON OF SOIL/GROUNDWATER SAMPLE ANALYTICAL RESULTS
WITH CATEGORY II CLEANUP LEVELS**

Soil Boring	Sample Medium	Sample Depth (ft)	Component	Concentrations in Samples (ppm)	OCC Clean-up Levels for Category II Sites (ppm)
RW-1	Soil 2/20/95	27.5-30	Benzene	6.58*	5
			Toluene	51.19	400
			Ethylbenzene	45.020	150
			Xylene	103.820	1,000
			TPH	3,042*	500
RW-2	Soil 2/20/95	25-27.5	Benzene	0.040	5
			Toluene	1.610	400
			Ethylbenzene	2.140	150
			Xylene	12.770	1,000
			TPH	235	500

- * - Exceeds OCC Category II Cleanup Levels
- ND - Not Detected/Below Detection Limits
- TPH - Total Petroleum Hydrocarbon

E-Z Shop Risk Assessment

RECEIVED
LUST TRUST FUND

MAY 07 1996

OKLAHOMA CORPORATION
COMMISSION

RISK ASSESSMENT

OCC CASE NO. 064-WM
FACILITY ID NO. 20-00438

E-Z SHOP
201 E. MAIN
WEATHERFORD, OKLAHOMA

SUBMITTED BY:

TRUST ENVIRONMENTAL SERVICES, LLC
MAY, 1996

II. EXECUTIVE SUMMARY

Trust Environmental Services, LLC (Trust), at the request of Mr. John Bunt of E-Z Shop, Inc., has conducted a Risk Assessment for the E-Z Shop site located at 201 E. Main, Weatherford, Oklahoma.

An Initial Site Characterization was required after contaminated soil was discovered at the site in January 1991. The vertical and areal extent of hydrocarbon contamination was delineated as part of the Additional Investigations for Soil and Groundwater Cleanup, submitted to the OCC on November 17, 1995. The areal extent of benzene and TPH concentrations in excess of Category II cleanup levels for soil is presently limited to the UST basin area on the subject property. Benzene and TPH concentrations in groundwater samples obtained during the most recent groundwater sampling event (October 1995) were found to be below Category II cleanup levels.

A Risk Assessment was conducted to evaluate the hydrocarbon contamination present on the site property and any potential risk to human health posed by the residual contamination. Based on the results of this Risk Assessment, Trust recommends site closure.

III. SITE HISTORY

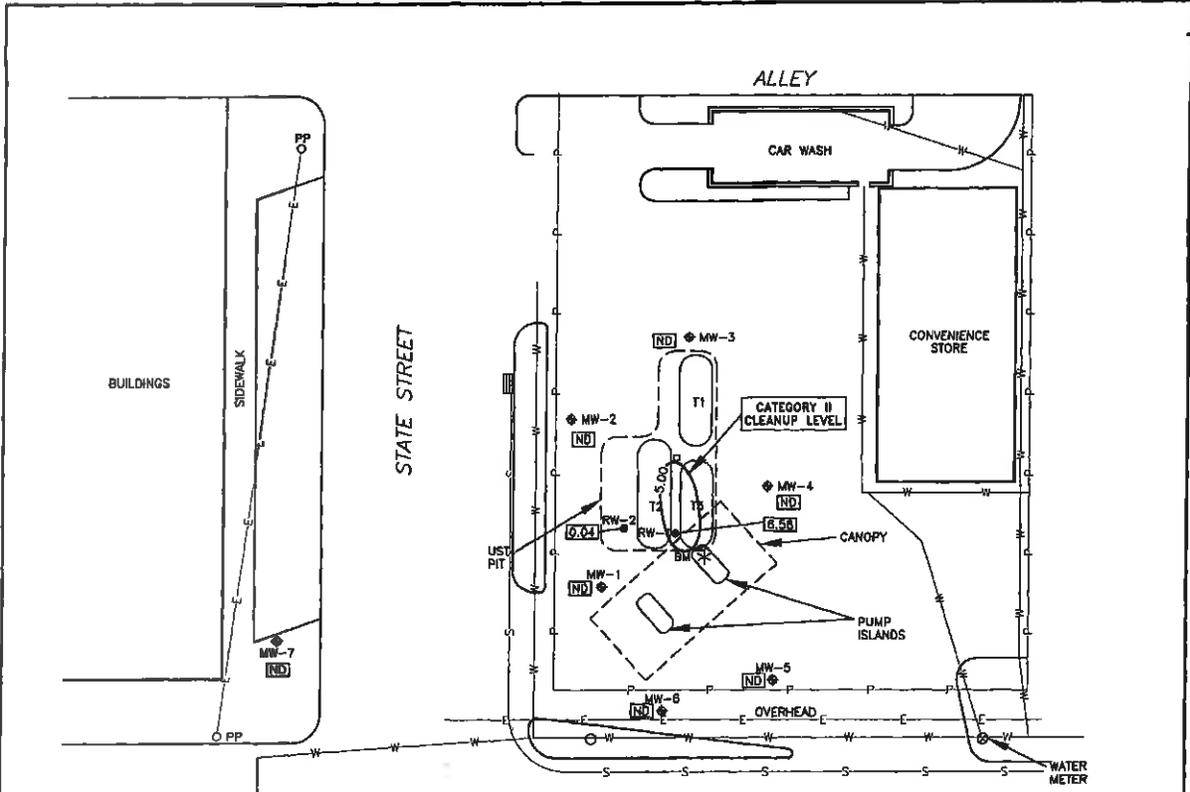
Notification of a release was made to the OCC on January 4, 1991. An estimated volume of 47 gallons of gasoline was reportedly released.

An Initial Site Characterization (ISC) was performed by Simon Hydro-Search on February 20, 1991. Plains Environmental Services of Salina, Kansas was subcontracted to obtain soil gas vapor measurements using a Geoprobe in order to analyze for concentrations of BTEX and total volatile organics (TVO) in soil. The ISC report concluded that the vertical extent of contamination reached a maximum depth of 15 feet below the surface; the areal extent was limited to the UST basin. In October of 1991, 4 underground storage tanks (USTs) were excavated and removed from the site. Simon Hydro-Search personnel collected soil samples from the sidewall of the UST basin and from the area of soil that had been in contact with the bottom of each tank. The soil samples were submitted to a State-certified laboratory for BTEX and TPH analysis. Benzene and TPH concentrations in excess of Category II cleanup levels were found in the soil beneath the bottom of the UST situated in the middle of the UST basin on the south end. Following excavation and limited removal of contaminated soils by Simon Hydro-Search, two 8,000 gallon USTs and one 10,000-gallon UST were placed in the UST basin and backfilled. No free-phase hydrocarbon products or groundwater were encountered during the ISC investigation as the probe depth at each location was limited by a impenetrable layer of rock at approximately 15 feet below ground surface.

Field investigations to characterize the areal and vertical extent of the hydrocarbon plume were initiated on July 21, 1993 by Trust Environmental Services, LLC. Five groundwater monitoring wells (MW-1 through MW-5) were installed in the vicinity of the UST basin and product dispensers. Concentrations of BTEX and TPH from the soil samples were all below Category II cleanup levels. Concentrations of benzene and TPH in the groundwater sample obtained from monitoring well MW-1 exceeded Category II cleanup levels. All other concentrations of BTEX and TPH in the groundwater samples obtained from monitoring wells MW-2 through MW-5 were below Category II cleanup levels.

Trust performed additional investigation activities (ISGC) during September of 1994, at which time four groundwater monitoring wells (MW-7 through MW-10) were installed off-site on city property. Soil and groundwater samples were collected for laboratory analysis of BTEX and TPH. No concentrations of BTEX or TPH above laboratory detection limits were identified in soil or groundwater samples obtained from monitoring wells MW-7 through MW-10.

In February 20, 1995, Trust installed two recovery wells RW-1 and RW-2 in the UST basin. No groundwater was encountered during the drilling of RW-2, which reached a total depth of 50 feet below ground level. On February 22, 1995, a sheen of free product was observed in RW-1. A hydrocarbon sheen was observed again in RW-1 on October 3, 1995 during gauging of all groundwater monitoring and recovery wells at the site. Additional Data for Completion of the Investigation for Soil and Groundwater Cleanup Report, submitted to the OCC on November 17, 1995, discussed the investigation results and the areal and vertical extent of hydrocarbon contamination on-site. Laboratory analytical results of soil and groundwater samples obtained from groundwater monitoring wells MW-7 through MW-10 indicate that no off-site migration of the hydrocarbon-contaminant plume has occurred downgradient of the facility to the south or southeast. Evidence of public participation notification in accordance with OAC 165:25-3-78, is included with this report (refer to Section XI and Appendix G).



MONITORING WELL DATA

WELL NAME	SOIL SAMPLE DATE	SOIL SAMPLE INTERVAL	WELL NAME	SOIL SAMPLE DATE	SOIL SAMPLE INTERVAL
MW-1	7/21/93	44-45'	MW-7	9/26/94	59-60'
MW-2	7/28/93	49-40'	MW-8	9/26/94	59-60'
MW-3	7/28/93	39-40'	MW-9	9/26/94	59-60'
MW-4	7/28/93	29-30'	MW-10	9/26/94	54-55'
MW-5	10/10/93	59-60'	RW-1	2/20/95	27.5-30'
MW-6	6/9/94	59-60'	RW-2	2/20/95	25-27.5'

LEGEND

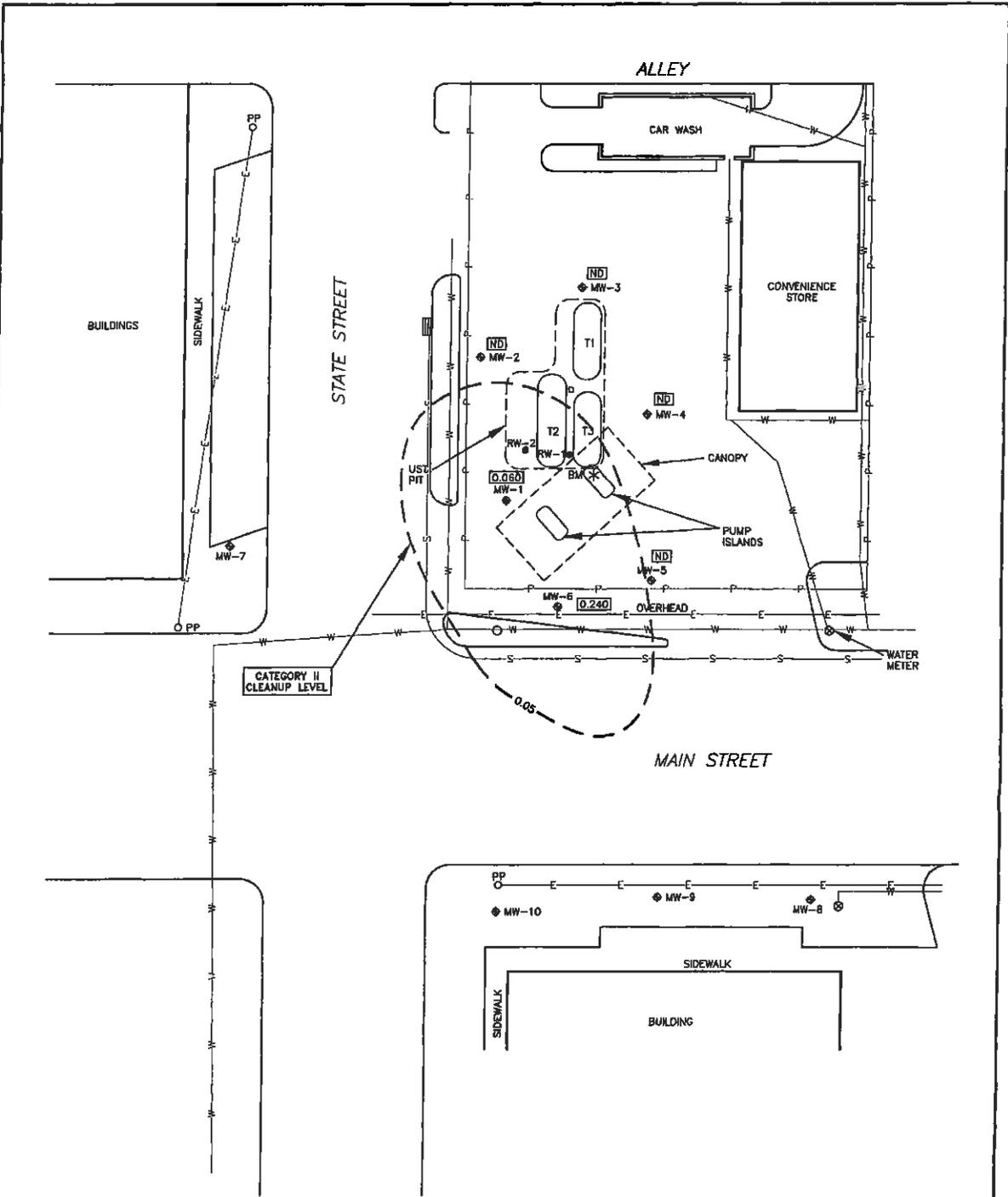
- C — OVERHEAD ELECTRIC
- S — STORM SEWER
- W — WATER LINE
- P — PROPERTY LINE

- T1 8,000 GALLON
- T2 10,000 GALLON
- T3 8,000 GALLON
- ◆ MW-2 MONITORING WELL
- 12" SURFACE CASING
- * BM BENCHMARK
- ◆ RW-1 RECOVERY WELL
- 6.58 BENZENE CONCENTRATION, ppm
- ND NONE DETECTED

SCALE



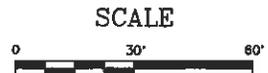
E Z Shop Weatherford, Oklahoma		DATE: 5/96
BENZENE CONCENTRATIONS IN SOIL SAMPLES, (ppm)		DESIGNED:
TRUST ENVIRONMENTAL SERVICES, LLC		CHECKED:
		APPROVED:
		DRAWN: TSK
		PROJ.: 111-704
		Figure A-3



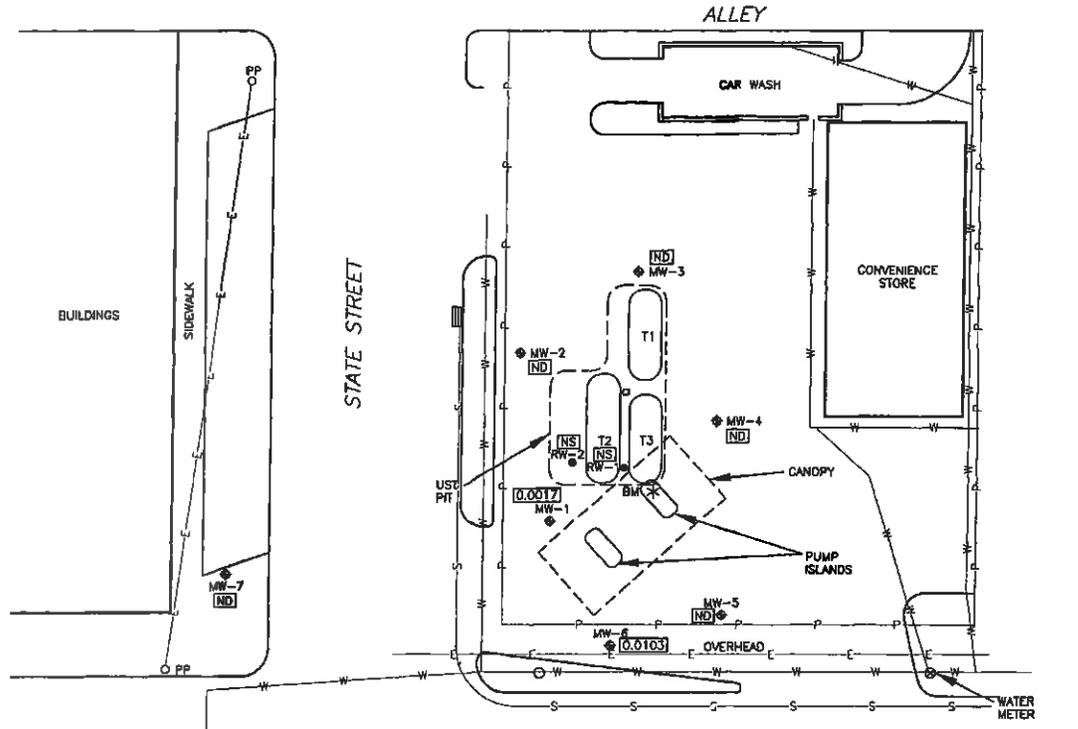
- LEGEND**
- E— OVERHEAD ELECTRIC
 - S— STORM SEWER
 - W— WATER LINE
 - P— PROPERTY LINE

- T1 8,000 GALLON
- T2 10,000 GALLON
- T3 8,000 GALLON
- ◆ MW-2 MONITORING WELL
- 12" SURFACE CASING
- * BM BENCHMARK
- RW-1 RECOVERY WELL
- 0.060 BENZENE CONCENTRATION, ppm
- ND NONE DETECTED

NOTE:
 MW-1 THROUGH MW-5 SAMPLED 3/29/94
 MW-6 SAMPLED 6/21/94



E Z Shop Weatherford, Oklahoma		DATE: 5/96
BENZENE CONCENTRATIONS IN GROUNDWATER, (ppm) (3/94, 6/94)		DESIGNED:
		CHECKED:
		APPROVED:
		DRAWN: TSK
TRUST ENVIRONMENTAL SERVICES, LLC		PROJ.: 111-704
		Figure A-5



- LEGEND**
- E — OVERHEAD ELECTRIC
 - S — STORM SEWER
 - W — WATER LINE
 - P — PROPERTY LINE
 - T1 8,000 GALLON
 - T2 10,000 GALLON
 - T3 8,000 GALLON
 - ◆ MW-2 MONITORING WELL
 - 12" SURFACE CASING
 - * BM BENCHMARK
 - RW-1 RECOVERY WELL
 - 0.0103 BENZENE CONCENTRATION, ppm
 - ND NONE DETECTED
 - NS NOT SAMPLED

MONITORING WELL DATA

WELL NAME	WATER SAMPLE DATE	WELL NAME	WATER SAMPLE DATE
MW-1	10/3/95	MW-7	10/3/95
MW-2	10/3/95	MW-8	10/3/95
MW-3	10/3/95	MW-9	10/3/95
MW-4	10/3/95	MW-10	10/3/95
MW-5	10/3/95	RW-1	NS
MW-6	10/3/95	RW-2	NS



E Z Shop Weatherford, Oklahoma	DATE: 5/96
BENZENE CONCENTRATIONS IN GROUNDWATER, (ppm) (10/3/95)	DESIGNED:
	CHECKED:
	APPROVED:
	DRAWN: TSK
PROJ.: 111-704	
TRUST ENVIRONMENTAL SERVICES, LLC	Figure A-6

E-Z Shop Closure Letter

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

October 7, 1998

Case ID# 064-WM
Facility ID# 20-00438

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 582 305 556 698

E-Z Shop

Attn: Mr. Roger Simons

~~5532 North Western~~ 1120 NW 63rd ST STE 300

Oklahoma City, Oklahoma ~~73118~~ 73116-6500

Remailed 10-21-98 R

RE: Closure by Risk Based Corrective Action (ORBCA) for site located at:

E-Z Shop
201 East Main
Weatherford, Oklahoma

Dear Mr. Simons:

Based upon the Oklahoma Risk Based Corrective Action (ORBCA) methodology, the data indicates the highest Chemicals of Concern (C.O.C.) levels in the soil and ground-water at this site are below levels that pose a threat to human health, safety or the environment and is appropriate for LUST case closure. Your request for closure of this site is approved.

As you are aware, should any Chemical of Concern levels be discovered in the future to exceed those determined appropriate for this site, the case will need to be re-opened according to OCC UST Rules and Regulations.

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Frank Vernon
Project Environmental Analyst

GFV:raw

cc: see back

Anoilco, Inc (#064-1869) ORBCA SSTLs

MAGED 7/30/2003

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BLDG, ROOM 238 • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

October 15, 1999

Case ID#064-1869
Facility ID#20-09910

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER z 710 095 982

AnOil, Inc.
Attn: Mr. W.B. Aneshansley
P.O. Box 1205
Weatherford, Oklahoma 73601

RE: Approval of Amendments to Tier 1/1A Oklahoma Risk-based Corrective Action (ORBCA) Report
for Site Located at:

Phillips 66
301 West Main
Weatherford, Oklahoma

Dear Mr. Aneshansley:

We have approved the amendments to the Tier 1/1A ORBCA report submitted to us on December 22, 1998. A copy of this letter is being sent to your consultant who will know how to respond.

Based on the data submitted as part of this report, we have determined that the modified Risk Based Screening Levels (RBSLs) for this site are the following:

	On-Site Soil (mg/Kg)	On-Site Groundwater (mg/L)
Benzene	255.5	30.6
Toluene	796.9	163.0
Ethylbenzene	1980.3	81.5
Xylenes (Mixed)	503.3	198.0
Naphthalene	403.1	31.0

The above RBSLs were established based on ingestion of groundwater by a resident from a potential future irrigation well located 100 feet downgradient from the release source. Exposure parameters assumed for this scenario were an exposure frequency of 120 days per year and an ingestion rate of 0.33 liters per day.

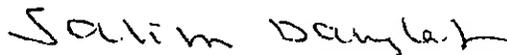
Maximum on-site concentrations of benzene, toluene, ethylbenzene, and xylene in the soil and groundwater do not exceed the established RBSLs. Accordingly, no remediation for these dissolved phase constituents is necessary.

The on-site concentration of Naphthalene in the groundwater of 420.0 mg/L, however, does exceed the allowable concentration of 31.0 mg/L for this constituent. Naphthalene is a highly degradable constituent of gasoline and as a result should naturally attenuate fairly rapidly. Accordingly, additional groundwater monitoring for naphthalene only is required on a quarterly basis beginning **November 1, 1999**. A summary report addressing the findings of each monitoring event must be submitted within 60 days of completion of each event.

In addition, quarterly free product recovery must continue at the site until free product is shown to be absent for four consecutive quarters. Given the quantities of free product that have been recovered from the site over time, implementation of a more aggressive free product recovery system in lieu of hand bailing is required. A Remedial Selection Proposal (PSTD Form 377-A) addressing free product recovery was previously submitted on August 24, 1999. Unfortunately, this proposal has been misplaced and cannot be located. Accordingly, the Oklahoma Corporation Commission respectfully requests that you resubmit this Proposal by **November 1, 1999**. The Remedial Selection Proposal is the preliminary step prior to submitting a full Remedial Action Plan. When we concur with your remediation selection we will give you a deadline for submission of a full Remedial Action Plan.

If you have any questions, please discuss them with your consultant or call me at (405)522-1444 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,



Salim Douglah
Project Environmental Analyst

cc: Enercon Services, Inc.
Attn: Dan Spitz
6525 North Meridian, Suite 214
Oklahoma City, Oklahoma 73116-1410

NOTE: Applicable Corporation Commission rule can be found in the Oklahoma Administrative Code at 165:25-3-77. If you need a copy, please call us and we will send you one.

Anoilco, Inc (#064-1869) Quarterly Monitoring Report

September 27, 2001

QUARTERLY MONITORING REPORT

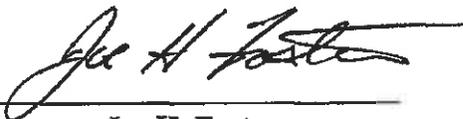
**Phillips 66 Station
301 W. Main
Weatherford, OK 73601
OCC Case #064-1869
Facility I.D.20-09910**

Prepared For Submittal to:

**Oklahoma Corporation Commission
Petroleum Storage Tank Division
Jim Thorpe Building
Oklahoma City, Oklahoma**

Prepared by:

**ENERCON SERVICES, INC.
6525 N. Meridian, Suite 503
Oklahoma City, Oklahoma 73116**



**Joe H. Foster
Sr. Project Manager
Certified UST Consultant #0317**

2001 SEP 27 10:00 AM
PERMITS DIVISION
OKLAHOMA CORPORATION COMMISSION

MAGED 7/30/2003

MONITORING REPORT

CASE NUMBER **064-1869**
FACILITY NUMBER **20-09910**

SITE LOCATION

Facility Name **Phillips 66**
Contact Person/Phone No. **W.B. Aneshansley/ (580) 772-5952**
Street Address, City, County **301 West Main, Weatherford, Custer**

Owner/Operator's Signature _____ Date _____
By signing above the Owner/Operator affirms that all of the information in this 42-page report is true and correct to the best of his/her knowledge.

No owner operator signature

Owner/Operator **AnOil Inc.**
Contact Person/Phone No. **W.B. Aneshansley, (580) 772-5952**
Address, City, State, Zip **P.O. Box 159, Clinton, OK 73601**

Consultant's Verification Signature *J Foster* Date 11/09/01

Consultant and Firm **Enercon Services, Inc.**
Phone Numbers: Voice: **(405) 722-7693** Fax: **(405) 722-7694** Pager/Cell: _____
E-Mail Address: **jfoster@enercon.com**
PSTD License Number: **#0317** Expiration Date: **12/01**

Time period this report covers (specify dates)? Quarter:
Semi-Annual: _____ Annual: _____ One time PSTD request: **X** Other: _____

Environmental media sampled? Groundwater: **X** Soil Vapor: _____
Soil: _____ Surface Water: _____ Other: _____

Is the site being actively remediated? If yes, describe the type of system utilized and the date it was implemented. Also state if the system is functioning effectively, efficiently and performing as designed and if not, how it will be modified to do so.

NA

Is the site being monitored for remediation by natural attenuation? **No**

Overall is the groundwater plume expanding, stable or shrinking? The conclusion can be based on whether BTEX concentrations are increasing or declining. **Overall, the free product plume and the dissolved plume appear to be stable. However, limited historical data exists for the dissolved phase concentrations and groundwater elevations for the monitor wells analyzed this quarter. Free product was detected in 7 out of the 11 wells sampled. The last time groundwater sampling occurred was July of 1997, at which time no groundwater was analyzed for wells containing free phase gasoline. During this round of sampling, eleven (11) wells were sampled including those containing gasoline. Laboratory analysis revealed**

unusually low Benzene concentrations regardless of the presence of free phase hydrocarbon. Benzene was below detection limits in all but one monitor well (MW-11). Additional contour maps of Toluene, Ethylbenzene, Xylenes, and TPH-GRO have been included. All dissolved phase contaminants are below the established Tier 1/1A RBSLs, however, free product gasoline ranges in thickness from 0.36 to 3.20 feet. Average depth to the top of fluid was 55.21 feet below the tops of casing elevations.

The wells sampled during this event were selected as a result from previous historical gauging / sampling data. Additional monitor wells were identified off-site during this sampling event that had not previously been indicated by our site maps. These wells can be linked to previous cases that have since been closed, or to one additional active case (064-568; Sonny's) located on the NE corner of 8th and Main Street. Case numbers 064-1999: Conoco Station, 064-1058: Arlies Used Cars, and 064-477: BodyShop have all been declared closed and inactive as indicated by the OCC records. No investigations, i.e. gauging or sampling, were made on wells not covered under the approved scope of work. A copy of the approved scope of work has been included in Appendix D.

Although dissolved concentrations did not exceed the established Tier II SSTLs, Enercon feels it is necessary to address the free product that was measured this quarter. It is apparent that gasoline has migrated to off-site monitor wells down-gradient of the Phillips 66. Enercon submitted a 3-77a report to address potential remediation technologies for the removal of free product at this site, but has since had no response to implement any such technologies. An aggressive approach to the recovery of hydrocarbons by free product removal pumping is the preferred method for remediation.

Be sure to attach copies of the most recent laboratory reports (not previously submitted) for all analyses noted in this report and include copies of the associated Chains of Custody.

GROUNDWATER MONITORING

Well No.	Screened Interval	Sample Date	Depth to Water	Free Prod. Thickness	Relative GW Elev.
ESMW-1	50 - 65	7/31/01	58.42	3.20	1602.34
RMW-1	50 - 70	7/31/01	55.90	0.84	1602.32
RMW-5	45 - 65	7/31/01	57.75	2.40	1602.31
RMW-6	45 - 65	7/31/01	55.28	0.36	1602.33
RWM-7	45 - 65	7/31/01	55.76	0.00	1602.96
MW-11	45 - 65	7/31/01	55.55	0.00	1602.65
MW-12	45 - 65	7/31/01	56.24	0.00	1603.12
MW-13	47 - 67	7/31/01	56.33	1.48	1602.02
MW-16	45 - 65	7/31/01	56.16	2.05	1602.29
MW-18	45 - 65	7/31/01	56.51	0.00	NA
MW-19	45 - 65	7/31/01	57.40	2.29	1601.62
Note:	Used an	80% F.P.	adjustment	factor for	Relative GW Elev.

All units are in feet.

Give a brief description of how the monitor wells were purged and sampled. Were a full three casing volumes of fluid purged, or were the wells micropurged or how fast did they purge dry? In what order were the wells purged and sampled? What was the final range of values for temperature, conductivity and pH of the fluids purged or for any other parameters monitored?

Wells were purged and sampled using dedicated Teflon bailers. Fluid level measurements were obtained using an interface probe. A full three (3) casing volumes of fluid were hand bailed from each well and subsequently stored in a 55 gallon drum on-site.

If monitoring groundwater submit the following attachments:

All maps should be to scale and identify all monitoring and remediation wells; all nearby water-supply wells (domestic, commercial, industrial and irrigation); and all nearby surface water bodies.

A contoured map of the most recent groundwater elevations and identifying the primary groundwater flow direction.

A contoured map of the most recent Benzene concentrations and MtBE concentrations if the PSTD has specifically requested that they be monitored.

A contoured map of the baseline Benzene concentrations and include the date of the baseline sampling.

A graphical presentation of Benzene concentrations and ground-water levels (y-axis) versus time (x-axis). The scales along the sides for the y-axis should be narrowed to include the maximum fluctuations of ground-water levels and Benzene concentrations. The graphs should at least begin with the baseline sampling event. Be sure to include the depths of the screened section. Present one graph per monitoring well or water-supply well.

OTHER MONITORING

Use the table on the next page to report the data for all other types of monitoring required by the PSTD. This can include monitoring of soil vapors near occupied buildings, indoor air monitoring, carbon dioxide and VOC monitoring of the effluent from a soil vapor extraction system, monitoring for surface water impact, soil being landfarmed, etc. Most of the column headings are left as blank insert fields so the table can be customized to fit the situation. **Be sure to attach laboratory reports, chains of custody and a map showing the sample locations.** Immediately below briefly summarize an interpretation of the data in the table.

NA

Anoilco, Inc (#064-1869) Closure Letter

MAGED 7/30/2003

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

August 29, 2002

Case ID# 064-1869
Facility ID# 20-09910
Final Closure

AnOil, Inc.
Attn: Mr. W. B. Aneshansley
P.O. Box 1205
Weatherford, Oklahoma 73601

RE: Phillips 66
301 West Main
Weatherford, Oklahoma

Dear Mr. Aneshansley:

Based upon the review of the Oklahoma Risk-Based Corrective Action Report, this case is closed. If in the future, levels of Chemical of Concern are discovered to exceed those determined appropriate for this site, the case can be reopened. A copy of this letter is being sent to your consultant.

If you have any questions, please discuss this with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely:

Leonard Billingsley
Project Environmental Analyst

LB/gs

CC: Enercon Services, Inc.
Attn: Mr. Joe Foster
6525 North Meridian, Suite 503
Oklahoma City, Oklahoma 73116-1410

Copies to Susan Dawson, Darla Wollitz, Tech File, and Claim Files.

NOTE: Applicable Corporation Commission Rules are found the Oklahoma Administrative Code at 165:25-3-79. If you need a copy, please let us know and we will send you one.

Anoilco, Inc (#064-2754) ORBCA SSTLs

RECEIVED 11/19/2007
ANTHONY
missioner

JEFF CLOUD
Commissioner

Tech
JIM ROTH
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000 • OKLAHOMA CITY, OK 73152-2000

November 8, 2007

Case ID #: 064-2754
Facility ID #: 20-09919

Aneshansley Enterprises, Inc.
Attn: Mr. M.I. Aneshansley
10425 S. Joplin
Tulsa, OK 74137

RE: Anoilco, Inc.
301 E. Main Street
Weatherford, OK

Dear Mr. Aneshansley:

We have approved the Tier 2 Report submitted on your behalf by your consultant. Identifying reasonable exposure pathways to people is very important. The Oklahoma Corporation Commission (OCC) per meeting (11/8/07) with your consultant agreed to the following two Site Conceptual Exposure Models (SCEMs): (1) Commercial Worker exposure from indoor air inhalation of vapors from hydrocarbon impacted soil and water; and (2) Resident exposure from ingestion of water from a future irrigation well accidentally drilled in a geologic formation with impacted hydrocarbon water.

Based on data submitted and the meeting of 11/8/07, we have recalculated the Site-Specific Target Levels for your site. They are:

	On-Site Soil (mg/kg)	On-Site Groundwater(mg/L)	Off-Site Soil (mg/kg)	Off-Site Groundwater (mg/L)
Benzene	29.0	63.7	29.0	63.7
Toluene	110.4	535.0	110.4	535.0
Ethylbenzene	126.4	152.0	126.4	152.0
Xylenes (Mixed)	52.34	198.0	52.34	198.0
Naphthalene	25.4	31.0	25.4	31.0

The OCC is requesting additional delineation south of the site. Please submit a Purchase Order for cost associated with the installation of monitor wells for delineation of Chemicals-of-Concern to SSSL's. A copy of this letter is being sent to your consultant who will know how to respond.

If you have any questions, please discuss them with your consultant or call me at (405) 522-1445 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely:



Greg Adams
Project Environmental Analyst

GA/nb

CC: Enercon Services, Inc.

Attn: Mr. Michael Moore
6525 North Meridian
Suite 400
Oklahoma City, OK 73116

Anoilco, Inc (#064-2754) Monitoring Report

OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION

KB

Monitoring Report

PSTD Reviewer [Signature] Approve Deny [] Date 12/26/12

1. CASE NUMBER 064-2754 Submitted to (PSTD P.E.A.): Leonard Billingsley, PEA
FACILITY NUMBER 20-09919 To Fulfill Purchase Order: WP-100813

2. Facility Name Former Anoilco
Contact Person/Phone No. 918-298-2887
Street Address, City, County 301 E. Main St. , Weatherford, Custer County, OK 73096

3. Owner/Operator Aneshansley Enterprises
Contact Person/Phone No. Mike Aneshansley / 918-298-2887
Address, City, State, Zip 6528 E. 101st, PMB 423 Tulsa, OK 74133

4. I certify that all work has been done in a good and workmanlike fashion according to workplan/purchase order approved by the Petroleum Storage Tank Division.

Remediation Consultant's Verification Signature [Signature] Date 12/7/12
PSTD License Number: 1800 Expiration Date: 12/31/2013
Remediation Consultant and Firm Rusty Lynch, ENERCON Services, Inc.
Phone Numbers: Voice: 405-722-7693 Fax: 405-722-7694 Pager/Cell: 405-229-9964
E-Mail Address: rlynch@enercon.com

Consulting Firm Principal Signature [Signature] 12/6/12

5. What was the time period this report covers (specify dates)? Quarter:
Semi-Annual: Annual: X One time PSTD request:
Other:
Date for next sampling event:

6. What was the environmental media sampled? Groundwater: X Soil Vapor:
Soil: Surface Water: Other:

7. Is the site being actively remediated? If yes, describe the type of system utilized and the date it was implemented. Also state if the system is functioning effectively, efficiently and performing as designed and if not, how it will be modified to do so.
No

8. Is the site being monitored for remediation by natural attenuation? No

9. Overall is the groundwater plume expanding, stable or shrinking? The conclusion can be based on whether BTEX concentrations are increasing or declining. NOTE: Order of magnitude change in BTEX concentrations constitutes a significant change. Comment on seasonal fluctuations in BTEX concentrations and/or groundwater level. Overall the groundwater plume appears stable. Changes in BTEX concentrations historically have coincided with fluctuations in groundwater elevation. Benzene in groundwater concentrations currently exceed the OCC RBSL of 1.06 mg/L in wells ESMW-4, ESMW-14, and ESMW-15. Groundwater elevation has decreased an average of 0.91 feet since the November 2011 sampling. The maximum TPH-GRO in groundwater concentration was 39.4 mg/L in ESMW-15.

ES 8 17 11 010 782



Ensure to attach copies of the most recent laboratory reports (not previously submitted) for all analyses listed in this report and include copies of the associated Chains of Custody.

1. Discuss possible reasons for any significant changes in levels of chemicals of concern in monitoring wells that have a sampling history. Make recommendation(s) for next appropriate corrective actions at this site. No significant changes were present in historical sampling wells. A trace of free product (0.01 feet) was identified in ESMW-4. ENERCON performed a dual-phase extraction event on ESMW-4 in May 2011. Prior to the extraction event ENERCON observed 0.99 feet of free product in ESMW-4. No free product was observed in ESMW-4 during the November 2011 sampling event. ENERCON recommends semi-annual sampling events in order to better identify any accumulation of free product within ESMW-4.

11. Please use the following sheets to summarize the information.

GROUNDWATER MONITORING

Well No.	Screened Interval	Sample Date	Depth to Water	Depth to Free Product	Free Prod. Thickness	Relative GW Elev.
ESMW-1	15-30	11/13/12	22.69			77.31
ESMW-4	15-30	11/13/12	25.91	25.90	0.01	73.00
ESMW-9	49.10-68.84	11/13/12	58.60			41.07
ESMW-10	49.26-69.01	11/13/12	58.04			41.63
ESMW-11	49.16-68.91	11/13/12	58.29			40.97
ESMW-12	49.71-69.41	11/13/12	58.96			40.83
ESMW-13	49.06-68.75	11/13/12	58.34			40.88
ESMW-14	49.16-68.91	11/13/12	58.73			40.27
ESMW-15	49.98-69.58	11/13/12	58.65			40.31
ESMW-16	49.69-69.31	11/13/12	57.16			40.00
ESMW-17	49.24-68.97	11/13/12	53.56			39.00
ESMW-18	49.28-68.91	11/13/12	54.75			39.09
ESMW-19	44.06-68.76	11/13/12	52.41			38.86

All units are in feet.

Groundwater Analytical Data

Well No.	Date	Benzene	Toluene	Ethyl- benzene	Xylene	GRO
ESMW-1	11/13/12	<0.005	<0.005	<0.005	<0.005	<1.0
ESMW-4	11/13/12	6.74	16.60	2.69	20.1	74.3
ESMW-9	11/13/12	<0.005	0.015	<0.005	0.025	<1.0
ESMW-10	11/13/12	<0.005	<0.005	<0.005	<0.010	<1.0
ESMW-11	11/13/12	0.045	0.029	0.013	0.161	<1.0
ESMW-12	11/13/12	0.010	<0.100	<0.100	0.015	<1.0
ESMW-13	11/13/12	<0.005	<0.005	<0.005	<0.010	<1.0
ESMW-14	11/13/12	3.89	0.008	0.023	0.011	7.14
ESMW-15	11/13/12	4.99	1.67	2.26	12.7	39.4
ESMW-16	11/13/12	0.006	<0.005	0.005	0.035	<1.0
ESMW-17	11/13/12	<0.005	<0.005	<0.005	<0.010	<1.0
ESMW-18	11/13/12	<0.005	<0.005	<0.005	<0.010	<1.0
ESMW-19	11/13/12	<0.005	<0.005	<0.005	<0.010	<1.0

All analytical results are in mg/L.

Give a brief description of how the monitor wells were purged and sampled. Were a full three casing volumes of fluid purged, or were the wells micropurged or how fast did they purge dry? In what order were the wells purged and sampled? What was the final range of values for temperature, conductivity and pH of the fluids purged or for any other parameters monitored?

ENERCON personnel arrived on-site on November 13, 2012 to collect groundwater samples. After gauging the monitoring wells, approximately three casing volumes of water were purged from all monitoring wells. All wells were purged with disposable bailers and sampled. The wells were sampled in the following order: ESMW-1, ESMW-4, ESMW-9, ESMW-10, ESMW-11, ESMW-12, ESMW-13, ESMW-14, ESMW-15, ESMW-16, ESMW-17, ESMW-18, and ESMW-19.

The temperature, conductivity, and pH ranged from 19.5 – 22.1 degrees Celsius, 564 – 1,269 microSiemens, and 6.85 – 7.37, respectively.

13. If monitoring groundwater submit the following attachments:

All maps should be to scale and identify all monitoring and remediation wells; all nearby water-supply wells (domestic, commercial, industrial and irrigation); and all nearby surface water bodies.

A contoured map of the most recent groundwater elevations and identifying the primary groundwater flow direction.

A contoured map of the most recent Benzene concentrations and MtBE concentrations if the PSTD has specifically requested that they be monitored.

A contoured map of the baseline Benzene concentrations and include the date of the baseline sampling.

A graphical presentation of Benzene concentrations and ground-water levels (y-axes) versus time (x-axis). The scales along the sides for the y-axes should be narrowed to include the maximum fluctuations of ground-water levels and Benzene concentrations. The graphs should at least begin with the baseline sampling event. Be sure to include the depths of the screened section. Present one graph per monitoring well or water-supply well.

14. OTHER MONITORING

Use the table on the next page to report the data for all other types of monitoring required by the PSTD. This can include monitoring of soil vapors near occupied buildings, indoor air monitoring, carbon dioxide and VOC monitoring of the effluent from a soil vapor extraction system, monitoring for surface water impact, soil being landfarmed, etc. Most of the column headings are left as blank insert fields so the table can be customized to fit the situation. **Be sure to attach laboratory reports, chains of custody and a map showing the sample locations.** Immediately below briefly summarize an interpretation of the data in the table.

APPENDICES

- A Approved PO and PO Request**
- B Groundwater Lab Analyses Tables, Lab Analyses Reports and Chain of Custody**
- C Groundwater Gauging Data Tables & COC Graphs**
- D Maps**
 - **Figure 1 – Site Map**
 - **Figure 2 – Groundwater Gradient Map (11-13-2012)**
 - **Figure 3 – Benzene in Groundwater (11-13-2012)**
 - **Figure 4 – TPH-GRO in Groundwater (11-13-2012)**

Anoilco, Inc (#064-2754) Closure Letter

IMAGED 12/27/2012

BOB ANTHONY
Commissioner

PATRICE DOUGLAS
Commissioner

DANA MURPHY
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

Tech

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

December 27, 2012

Case ID #: 064-2754
Facility ID #: 20-09919
Monitoring Report
WP-100813

Aneshansley Enterprises, Inc.
Attn: Mr. M. I. Aneshansley
10425 S. Joplin
Tulsa, OK 74137

RE: Anoilco, Inc.
301 E. Main Street
Weatherford, OK

Dear Mr. Aneshansley

We have reviewed the Monitoring Report submitted to us on December 11, 2012. This report is approved.

Based upon the data submitted, the Chemicals of Concern levels in the soil and groundwater at this site pose no harm to human health or safety. This case is approved for closure. Please have your consultant submit a PO request for Public Notice of case closure under the Orbca Tier 2 with limited free product present in a perched zone by January 26, 2013.

If you have any questions, please discuss this with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely:

Leonard Billingsley
Project Environmental Analyst
LB/kb

CC: Enercon Services, Inc.
Attn: Mr. Rusty Lynch
6525 North Meridian, Suite 503
Oklahoma City, OK 73116

Eddie's Shamrock ORBCA SSTLs

BOB ANTHONY
Commissioner

ED APPLE
Chairman

DENISE A. BODE
Commissioner



OKLAHOMA
CORPORATION COMMISSION

JIM THORPE BUILDING • 2101 N. LINCOLN BLVD.

Telephone: (405) 521-3107
FAX: (405) 521-4945

PETROLEUM STORAGE TANK DIVISION • P.O. BOX 52000-2000 • OKLAHOMA CITY, OKLAHOMA 73152-2000

August 13, 1998

Case ID# 064-0656
Facility ID# 20-09849

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 271 148 922

Eddie's Shamrock
Attn: Mr. Eddie Hankins
424 East Main
Weatherford, Oklahoma 73096

RE: Approval of the Tier 2 Report for site located at:

Eddie's Shamrock
424 East Main
Weatherford, Oklahoma

Dear Mr. Hankins:

We have reviewed the Tier 2 Report and the amendments you submitted. This Tier 2 evaluation is approved as being in compliance with our rules. These modifications need to be assumed for the Site Conceptual Exposure Model (SCEM):

Construction worker current conditions used for groundwater receptor for this site. Commercial worker inhalation current conditions used for soil receptor at this site.

Based on these modifications the Site Specific Target Levels (SSTLs) for cleanup at this site are:

	On-Site Soil (mg/Kg)	On-Site Groundwater (mg/L)
Benzene	.352	5.57
Toluene	200.7	17.89
Ethylbenzene	408.762	5.44
Xylenes (Mixed)	116.58	100.66
Naphthalene	NA	NA

Continue quarterly monitoring for completion of five quarters as previously specified before submittal of closure request.

Thank you for handling this matter in a professional and timely manner.

If you have any questions, please contact the Petroleum Storage Tank Division at (405) 521-6719 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Frank Vernon
Project Environmental Analyst

GFV:raw

cc:

Trust Environmental Services
Attn: Mr. Leon Chen
2227 West Lindsey, Suite 1500
Norman, Oklahoma 73069

(064-0656)

Is your RETURN ADDRESS completed on the reverse side?

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		813	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
3. Article Addressed to: EDDIE'S SHAMROCK ATTN: MR. EDDIE HANKINS 424 EAST MAIN WEATHERFORD OK 73096 Eddie Hankins		4a. Article Number Z 271 148 922	
5. Received By: (Print Name) Eddie Hankins		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
6. Signature: (Addressee or Agent) X		7. Date of Delivery 11/14/94	
		8. Addressee's Address (Only if requested and fee is paid) 064-0656	

PS Form 3847, December 1994

102585-97-B-0179

Domestic Return Receipt

Z 271 148 922

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Thank you for using Return Receipt Service.
PS Form 3847, April 1995

Eddie's Shamrock Monitoring Report

**QUARTERLY MONITORING REPORT
OCC CASE NO. 064-0656
TRUST PROJECT NO. 112-705**

PREPARED FOR:

**EDDIE'S SHAMROCK
424 EAST MAIN STREET
WEATHERFORD, OKLAHOMA 73096**

SUBMITTED BY:

**TRUST ENVIRONMENTAL SERVICES, LLC
2227 WEST LINDSEY, SUITE 1500
NORMAN, OKLAHOMA 73069**

JUNE 1999

**RECEIVED
TRUST ENVIRONMENTAL SERVICES
2000 JUL 20 AM 11:54**

SUGGESTED CHECKLIST FOR:
QUARTERLY MONITORING REPORT
 OAC 165:25-3-77

CASE NUMBER: 064- 656
 FACILITY NUMBER: 20-09849

I. SITE LOCATION

Facility Name Eddie's Shamrock
 Address 424 East Main Street
 City Weatherford, Oklahoma

Owner/Operator Mr. Eddie Hankins
 Address 424 E. Main
 City, State, Zip Weatherford, Oklahoma 73096

Free Product Present?	-	-	-	-	-	Page	<u>Y/N</u>
Free Product Check List included?	-	-	-	-	-	No	[] [] []
						NA	[] [] []

Quarterly Monitoring Report

(d)(2)	Is quarterly monitoring required?	-	-	-	-	Yes: I	[] [] []
	Are all the impacted monitoring wells sampled?-	-	-	-	-	Yes: Tbl II	[] [] []
	Was sampling done during the same week of the month as the initial sampling?	-	-	-	-	Yes: Tbl II	[] [] []
	Does the report contain:					Figure 2	[] [] []
	water table elevation map?-	-	-	-	-	Figure 3B	[] [] []
	contoured groundwater plume maps for COC?					Figure 5A-5J	[] [] []
	concentration VS time for all impacted wells?					Figure 5A-5J	[] [] []
	do all the graphs begin with the baseline sampling?					NA	[] [] []
	report submitted within 30 days of sampling?					NA	[] [] []
	Are all previous maps and data for graphs since baseline sampling included?					NA	[] [] []
(d)(3)	Is the RAP functioning effectively, efficiently and performing as designed?					2	[] [] []
	If not functioning as above has the OCC been informed?						
	Has changed or alteration to the current RAP been submitted? -					2	[] [] []

OCC Sr. Env. Specialist

Approved / Denied / /

Responsible Party Signature

Consultant Signature

0409

(Form UST 377.Q) (7-1-97)

UST Certification Number

INTRODUCTION

TRUST Environmental Services, LLC (TRUST), on behalf of Mr. Eddie Hankins, submits this Quarterly Monitoring Report (Report) for the Eddies's Shamrock facility (Facility), in satisfaction of Oklahoma Administrative Code (OAC) 165:25-3-77. The Facility is located at 424 East Main Street, Weatherford, Oklahoma. This Report focuses on the data presentation and analyses of a quarterly groundwater sampling conducted on May 18, 1999. The Report also evaluates the site status based on groundwater sampling results.

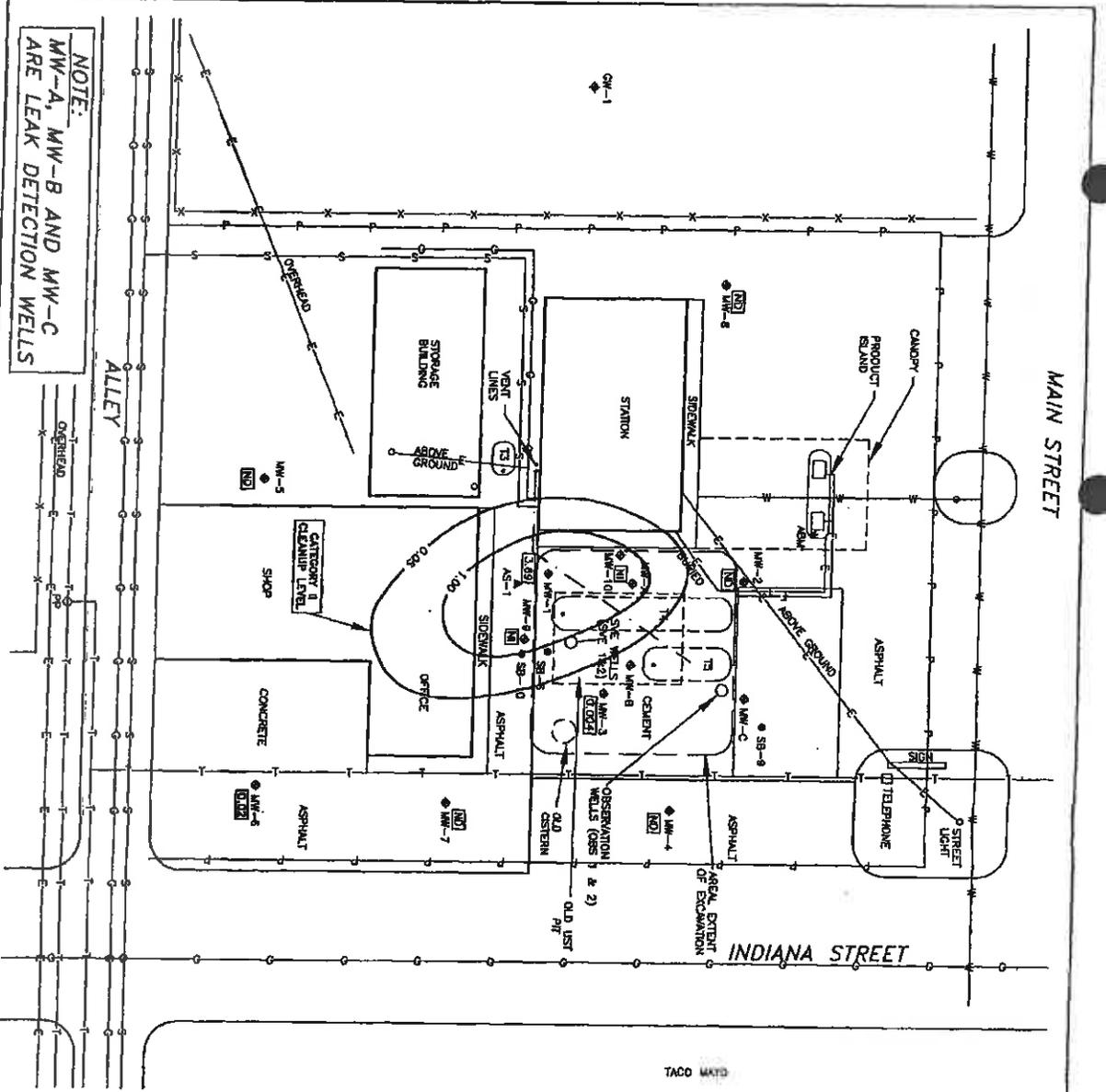
INVESTIGATIVE RESULTS

Figure 1 (in Appendix A) presents a facility map showing groundwater monitoring well locations. All figures are in Appendix A. On May 18, 1998, a total of 10 monitoring wells were sampled for the analyses of benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH) in a quarterly sampling event. Figure 2 presents a groundwater potentiometric surface as recorded during the gauging event. The monitoring well gauging data are listed in Table I (in Appendix B). All tables are in Appendix B. Figures 3A and 4A present baseline benzene and TPH concentrations in groundwater, respectively, for the April 4, 1996 sampling event. Figures 3B and 4B present benzene and TPH concentrations in groundwater, respectively, for the May 18, 1999 quarterly sampling event. Figure 3B indicates that benzene concentrations in groundwater for monitoring wells MW-1 through MW-10 remain less than the OCC-established site cleanup levels. Contour maps of toluene, ethylbenzene and xylenes were not presented in this Report as these Chemicals of Concern remain less than the OCC established site cleanup levels. Table II includes the groundwater sample analytical results. The site cleanup levels for BTEX are listed for comparison. Figures 5A through 5J present BTEX concentrations and depth to water versus time in monitoring well MW-1 through MW-10, beginning from the baseline sampling. These figures indicate that BTEX concentrations remain below the cleanup levels in all monitoring wells.

SITE STATUS

The most recent laboratory analytical data indicate that groundwater concentrations of BTEX remain below the OCC-established cleanup levels since the system was shut down in April 1997. TRUST has performed an additional two groundwater sampling events, which were

conducted on February 10, 1999 and May 18, 1999, after completion of five quarters of groundwater sampling that began November 1997. BTEX concentrations have remained below the cleanup levels during each of the last two sampling events. TRUST, on behalf of Eddies Shamrock, and according to current OCC Rules, recommends closure of this case by the OCC. A Purchase Order request for site closure will be prepared and submitted to the OCC for review and approval as soon as possible.



DATE: 9/98	DESIGNED: [Signature]
CHECKED: [Signature]	APPROVED: [Signature]
DRAWN: TKS	PROJECT MANAGER: [Signature]
DATE: 1/1-23	TRUST ENVIRONMENTAL SERVICES, INC.
3171 N. LINSEY STREET NORMAN, OK 73069 (405)260-2800	

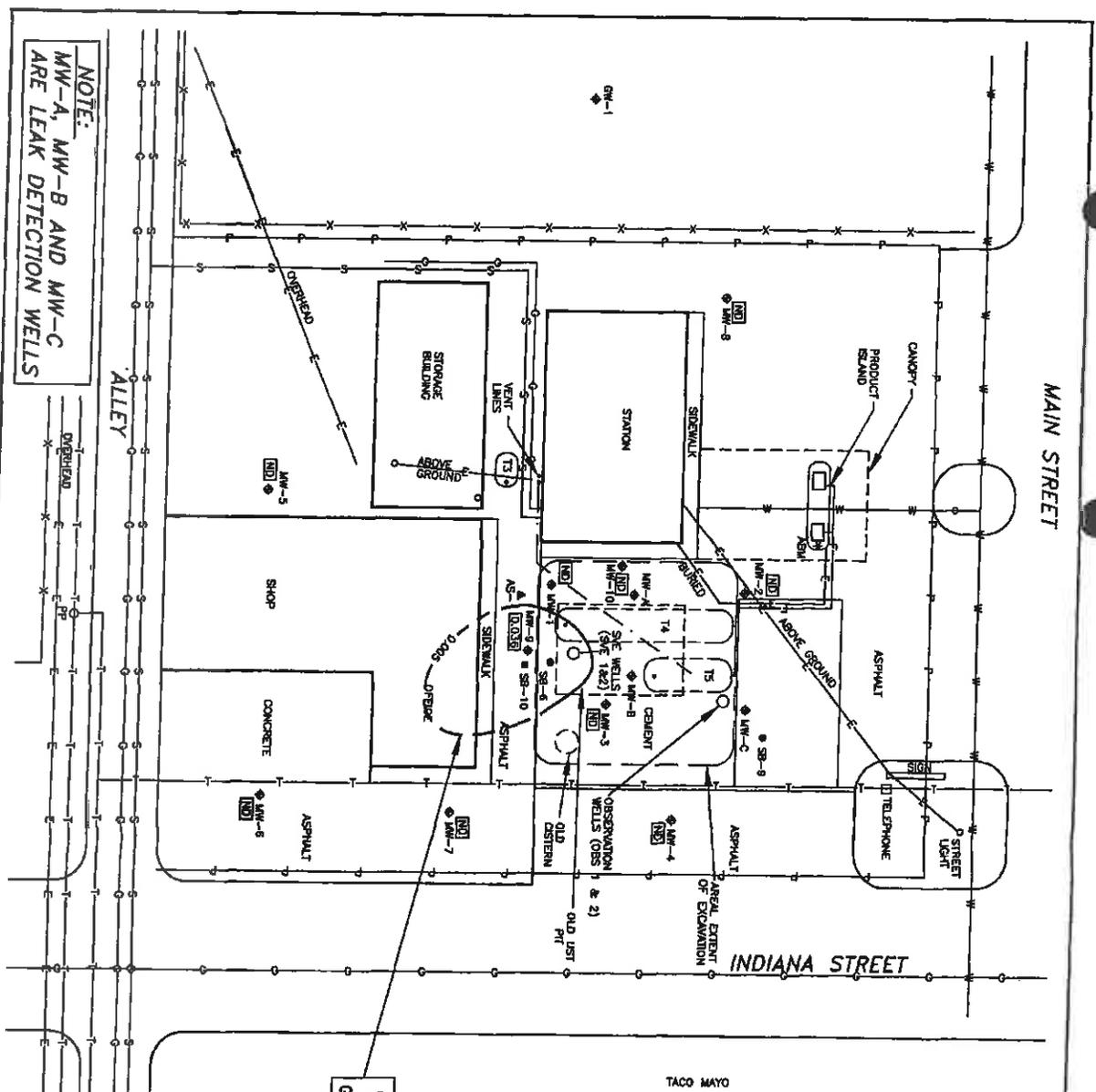
Eddies Sharnock Weatherford, Oklahoma
BENZENE CONCENTRATIONS IN GROUNDWATER (mg/l)
4/4/96 (BASELINE)
TRUST ENVIRONMENTAL SERVICES, INC.
PROJ.: 112-705
FIGURE 3A

LEGEND

- GAS LINE (2' DEEP)
- OVERHEAD ELECTRIC LINE
- SEWER LINE (5' DEEP)
- WATER LINE (3' DEEP)
- PRODUCT LINE
- TELEPHONE LINE
- PROPERTY LINE
- FENCE
- UST VEAT LINE
- POWER POLE
- T1 10,000 GALLON UST
- T2 6,000 GALLON UST
- T3 WASTE OIL UST
- * ABM ABBREVIARY BENCHMARK (ASSUMED DATUM = 100')
- ▲ MW-1 WATER WELL
- ▲ MW-2 AIR SPARGING WELL
- MW-3 SOIL BORING
- MW-4 MONITORING WELL
- MW-5
- MW-6
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- MW-8
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- MW-98
- MW-99
- MW-100

▲ AS-1 AIR SPARGING WELL
● SB-5 SOIL BORING
● MW-1 MONITORING WELL
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● MW-3
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● MW-100

NOTE: DETECTED ABOVE LABORATORY PRACTICAL QUANTITIES UNTIL 8/97



NOTE:
MW-A, MW-B AND MW-C
ARE LEAK DETECTION WELLS

OCC ESTABLISHED ACTION
LEVEL FOR BENZENE IN
GROUNDWATER 0.005 mg/l

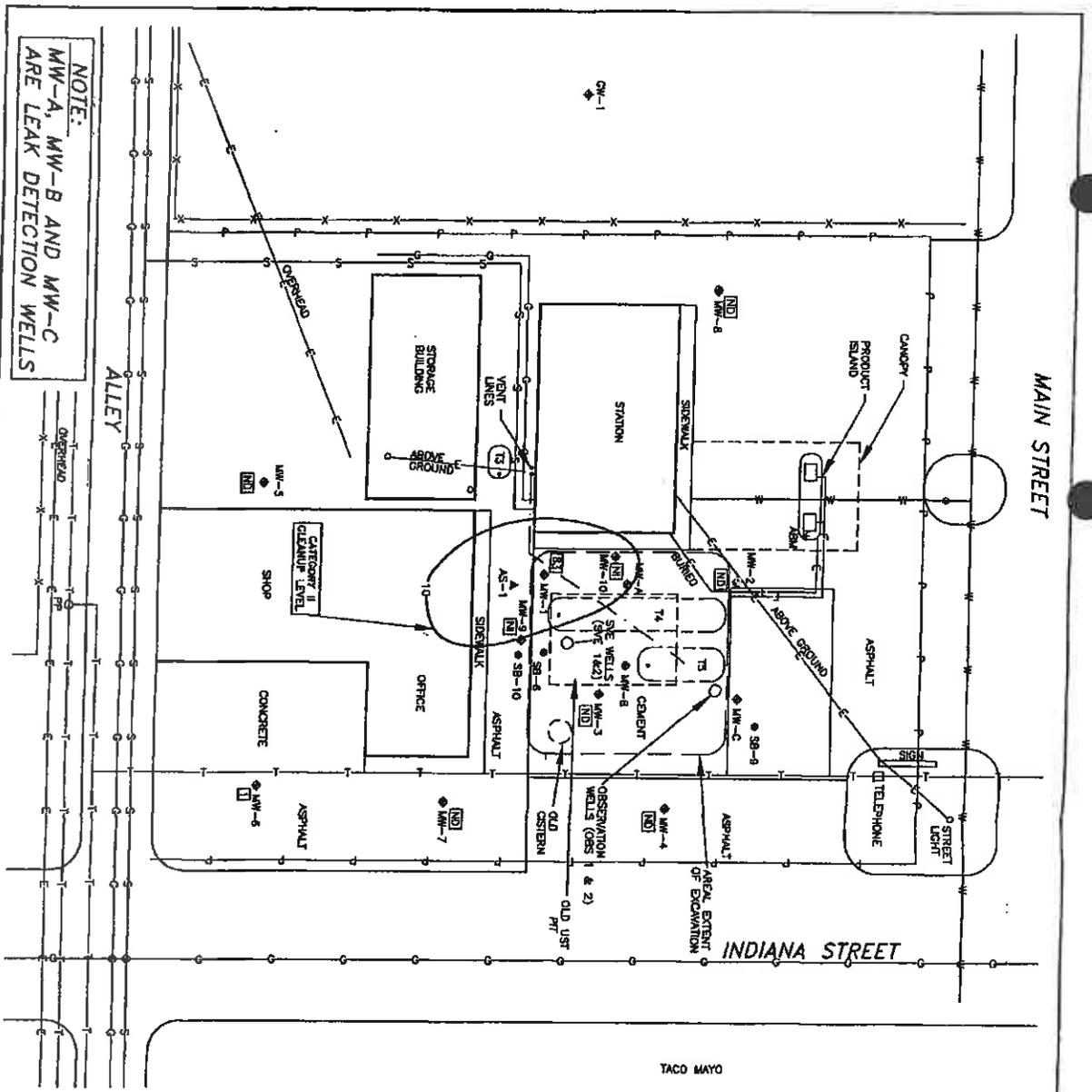
NOTE:
NO WELLS EXCEED OCC ESTABLISHED
RBSL'S OF 5.57 mg/l FOR BENZENE

- GAS LINE (2' DEEP)
- OVERHEAD ELECTRIC LINE
- SEWER LINE (5' DEEP)
- WATER LINE (3' DEEP)
- PRODUCT LINE
- TELEPHONE LINE
- PROPERTY LINE
- FENCE
- UT VENT LINE
- PP POWER POLE
- T1 10,000 GALLON UST
- T2 5,000 GALLON UST
- T3 WASTE OIL UST
- * ASU ARBITRARY BENCHMARK (ASSUMED DATA = 100%)
- ▲ DW-1 WATER WELL
- ▲ AS-1 AIR SPARGING WELL
- ● SB-8 SOIL BORING
- ● MW-1 MONITORING WELL
- ○ BENE BENZENE CONCENTRATION (mg/l)
- ○ NONE DETECTED ABOVE LABORATORY PRACTICAL QUANTIFICATION LIMITS
- ○ CONTOR OF BENZENE CONCENTRATIONS



DATE: 7/99	DESIGNED: <i>LC</i>
CHECKED: <i>LC</i>	APPROVED: <i>pac</i>
DRAWN: <i>COG</i>	P.M.: <i>ESS</i>
DATE: 6/30/99	CA: 2032
3277 W. JINDOSSEY STREET NORMAN, OK 73069 (405)390-2600	
TRUST ENVIRONMENTAL SERVICES, INC.	
PROD.: 112-705	Figure 3B

Eddies Shamrock
Weatherford, Oklahoma
BENZENE CONCENTRATIONS
IN GROUNDWATER (mg/l)
5/18/99



NOTE:
MW-A, MW-B AND MW-C
ARE LEAK DETECTION WELLS

DATE: 9/98
 DESIGNED: [Signature]
 CHECKED: [Signature]
 APPROVED: [Signature]
 DRAWN: TKS
 PROJECT MANAGER: [Signature]

DATE: 11-23
 2222 W. LINSEY STREET
 SUITE 1306
 NORMAN, OK 73069
 (405)590-2800

TRUST ENVIRONMENTAL SERVICES, LLC

PROJ.: 112-705 FIGURE 4A

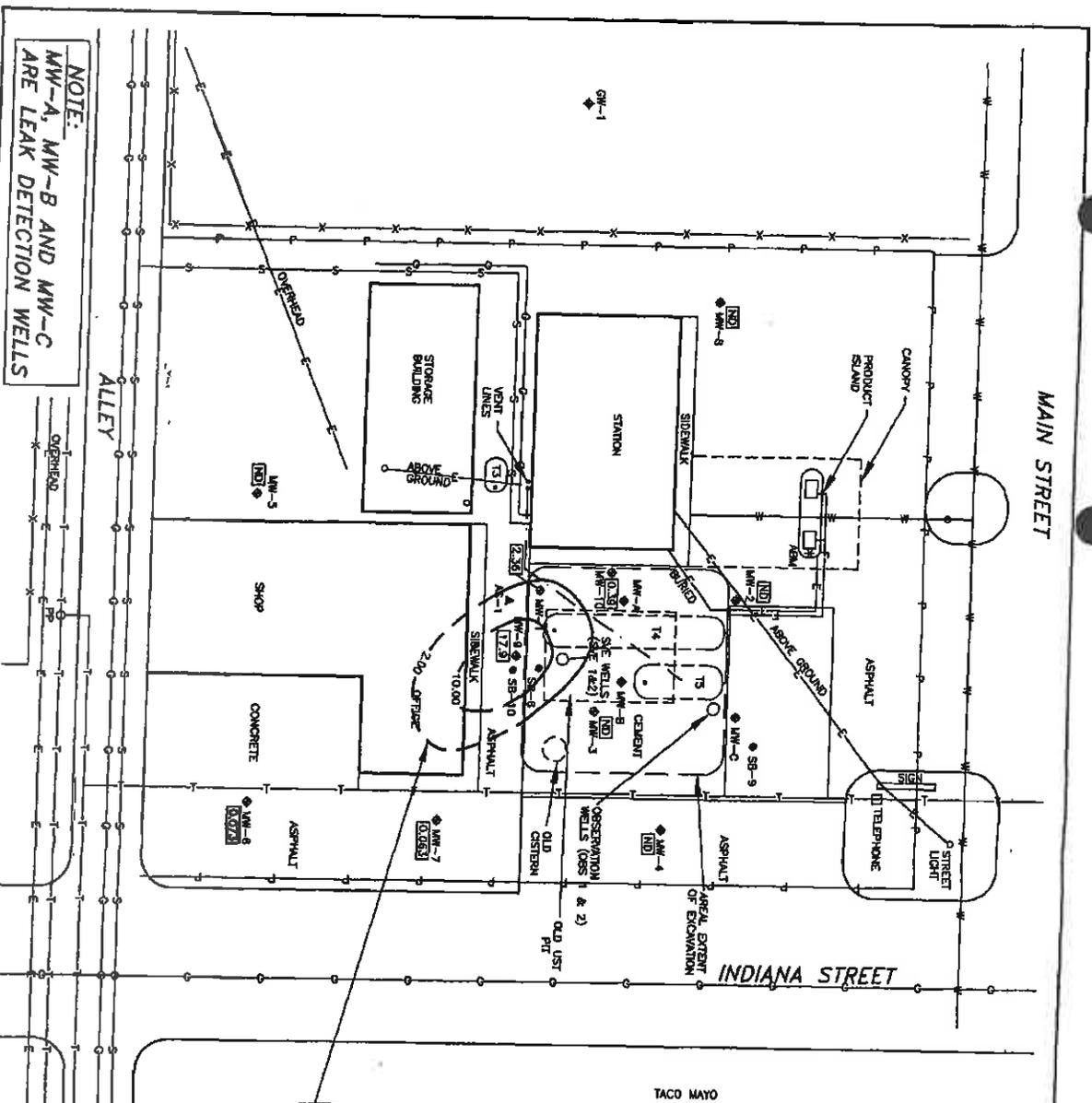


- LEGEND**
- GAS LINE (2" DEEP)
 - OVERHEAD ELECTRIC LINE
 - SEWER LINE (8" DEEP)
 - WATER LINE (3" DEEP)
 - PRODUCT LINE
 - TELEPHONE LINE
 - PROPERTY LINE
 - FENCE
 - LIST VENT LINE
 - OPe POWER POLE
 - T1 10,000 GALLON UST
 - T2 6,000 GALLON UST
 - T3 WASTE OIL UST
 - * AW ARBITRARY BENCHMARK (ASSUMED DATUM = 100')
 - ◊ OW-1 WATER WELL
 - ▲ AS-1 AIR SPARGING WELL
 - SB-6 SOIL BORING
 - ◊ MW-1 MONITORING WELL
 - ◊ MW-10 MONITORING WELL
 - ◊ MW-1 NONE DETECTED ABOVE LABORATORY PRACTICAL QUANTIFICATION LIMITS
 - ◊ MW-1 NOT INSTALLED UNTIL 9/97

Eddies Shamrock
 Weatherford, Oklahoma

TOTAL PETROLEUM HYDROCARBON
 CONCENTRATIONS IN GROUNDWATER (mg/l)

4/4/96 (BASELINE)



NOTE:
MW-A, MW-B AND MW-C
ARE LEAK DETECTION WELLS

OCC ACTION LEVEL
FOR TPH 2.00 mg/l

DATE:	7/99
DESIGNED:	CC
CHECKED:	CC
APPROVED:	pac
DRAWN:	COG
P.M.:	ES
DATE:	6-30-99
CA:	2032
2227 W. LINDEY STREET NORMAN, OK 73068 (405)580-2800	

Eddies Shamrock Weatherford, Oklahoma	
TOTAL PETROLEUM HYDROCARBONS CONCENTRATIONS IN GROUNDWATER (mg/l)	
5/18/99	
TRUST ENVIRONMENTAL SERVICES, LLC	
PROJ.: 112-705	Figure 4B



SCALE

LEGEND

- GAS LINE (2' DEEP)
- OVERHEAD ELECTRIC LINE
- SEWER LINE (3' DEEP)
- WATER LINE (3' DEEP)
- PRODUCT LINE
- TELEPHONE LINE
- PROPERTY LINE
- FENCE
- LIST VENT LINE
- OPR POWER POLE
- T1 10,000 GALLON UST
- T2 6,000 GALLON UST
- T3 WASTE OIL UST
- * ASB ARBITRARY BENCHMARK (ASSUMED DATA = 100')
- ▲ AS-1 AIR SPARGING WELL
- SB-8 SOIL BORING
- MW-1 MONITORING WELL
- [17.8] TPH CONCENTRATION (mg/l)
- [ND] NONE DETECTED ABOVE LABORATORY PRACTICAL QUANTIFICATION LIMITS
- 2.00 — CONTOUR OF TPH CONCENTRATIONS

TABLE II
CURRENT MONITORING WELL ANALYTICAL DATA
EDDIE'S SHAMROCK, WEATHERFORD, OKLAHOMA
OCC CASE NO. 064-0656
MAY 18, 1999

LOCATION	CONSTITUENT	CONCENTRATION (mg/L)	APPROVED CLEANUP LEVELS (mg/L)
MW-1	Benzene	ND	5.570
	Toluene	0.004	17.890
	Ethylbenzene	0.016	5.440
	Xylene	0.040	100.660
	TPH	2.36	NA
MW-2	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	ND	100.660
	TPH	ND	NA
MW-3	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	ND	100.660
	TPH	ND	NA
MW-4	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	ND	100.660
	TPH	ND	NA
MW-5	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	ND	100.660
	TPH	ND	NA
MW-6	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	0.002	100.660
	TPH	0.07	NA
MW-7	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	0.002	100.660
	TPH	0.06	NA
MW-8	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	0.002	100.660
	TPH	ND	NA

ND - Not Detected Above Laboratory Practical Quantitation Limits
 TPH - Total Petroleum Hydrocarbons



TABLE II
CURRENT MONITORING WELL ANALYTICAL DATA
EDDIE'S SHAMROCK, WEATHERFORD, OKLAHOMA
OCC CASE NO. 064-0656
MAY 18, 1999

LOCATION	CONSTITUENT	CONCENTRATION (mg/L)	APPROVED CLEANUP LEVELS (mg/L)
MW-9	Benzene	0.036	5.570
	Toluene	0.827	17.890
	Ethylbenzene	0.154	5.440
	Xylene	0.793	100.660
	TPH	17.9	NA
MW-10	Benzene	ND	5.570
	Toluene	ND	17.890
	Ethylbenzene	ND	5.440
	Xylene	0.005	100.660
	TPH	0.39	NA

ND - Not Detected Above Laboratory Practical Quantitation Limits
 TPH - Total Petroleum Hydrocarbons



Eddie's Shamrock Closure Letter

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE A. BODE
Commissioner



OKLAHOMA CORPORATION COMMISSION
PETROLEUM STORAGE TANK DIVISION
(405) 521-4683 FAX: (405) 521-4945

JIM THORPE BUILDING, RM 238 • PO BOX 52000-2000 • OKLAHOMA CITY, OK 73152-2000

March 27, 2000

Case ID # 064-0656
Facility D # 20-09849
Final Closure

CERTIFIED MAIL, RETURN RECEIPT REQUESTED
CERTIFICATE NUMBER Z 228 592 032

Mr. Eddie Hankins
424 East Main
Weatherford, OK 73096

RE: Eddies Shamrock
424 East Main
Weatherford, OK

Dear Mr. Hankins:

Based upon the review of the Oklahoma Risk-Based Corrective Action Report, this case is closed. If in the future, levels of Chemicals of Concern are discovered to exceed those determined appropriate for this site, the case will be reopened. A copy of this letter is being sent to your consultant.

If you have any questions, please discuss them with your consultant or call me at (405) 521-3504 between 8:00 a.m. and 4:30 p.m. Monday through Friday. Please reference the appropriate OCC Facility Number and Case Number on all correspondence.

Sincerely,

Leonard Billingsley
Project Environmental Analyst

LB:tm

cc: Dr. Leon Chen
Trust Environmental Services, LLC
2227 West Lindsey
Suite 1500
Norman, OK 73069

Gwyn Smith, Darla Wollitz, Tech., Claim, and IF Files

NOTE: The applicable Corporation Commission rule is found in the Oklahoma Administrative Code at 165:25-3-79. If you need a copy, please call us and we will send you one.

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Oil and Gas Records



Oklahoma Corporation Commission
ENERGY • TRANSPORTATION • UTILITIES

Zero Records returned, please change your search criteria.

Welcome to the Oklahoma Corporation Commission's Well Data System.

[Home](#)

Well Name/Number

Well Name

Well Number

API Number

API Number

Ex: 35003; 3500300001; 35003000010000

Location

County

Section

Township

Range

Meridian

Quadrant

CUSTER	8	12N	14W		
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Ex: 29

Ex: 06S

Ex: 13E

Ex: IM

Surface Hole Bottom Hole

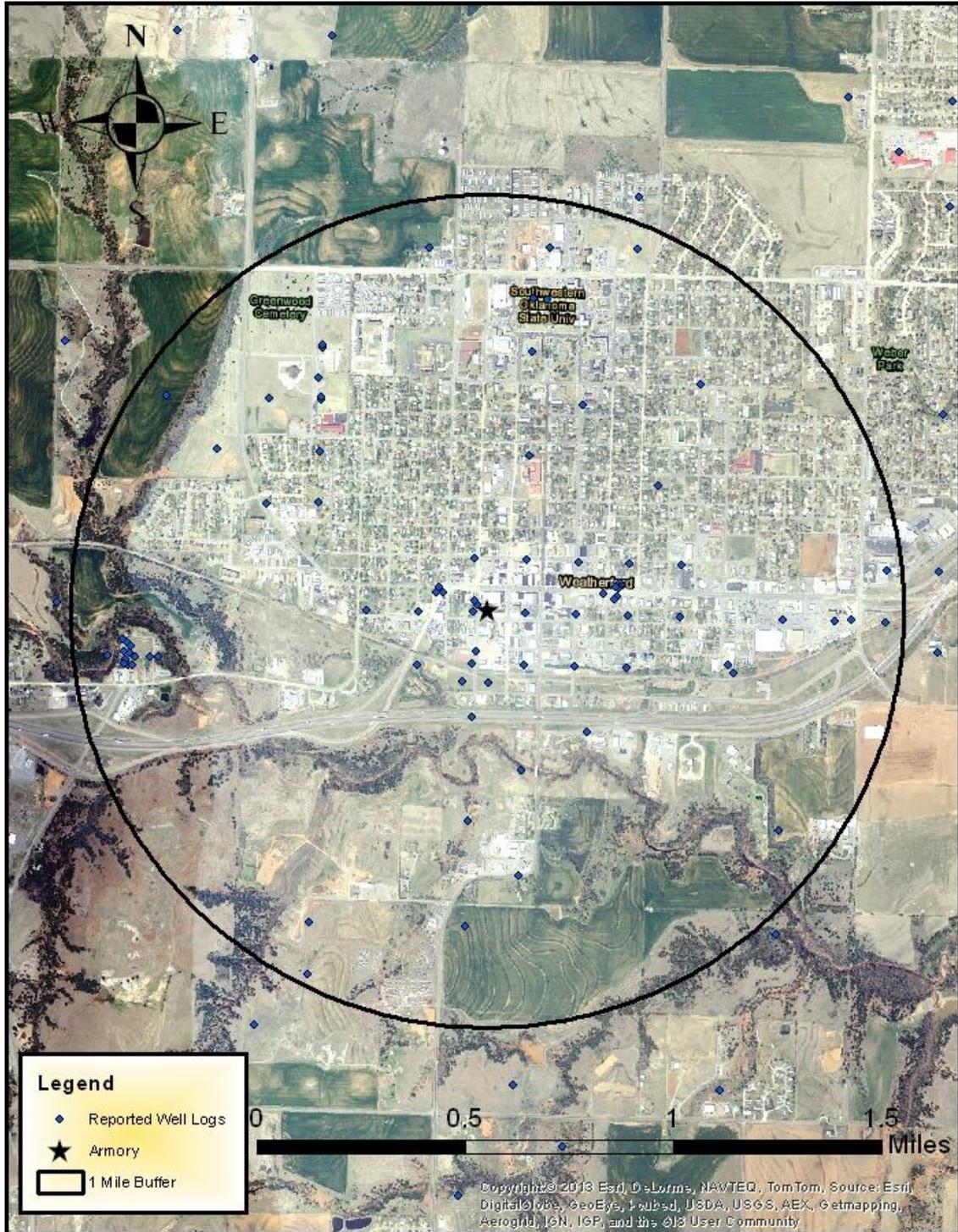
Operator Name/Number

Operator Name

Operator #

Appendix L: Oklahoma Water Resources Board Records

Weatherford National Guard Armory

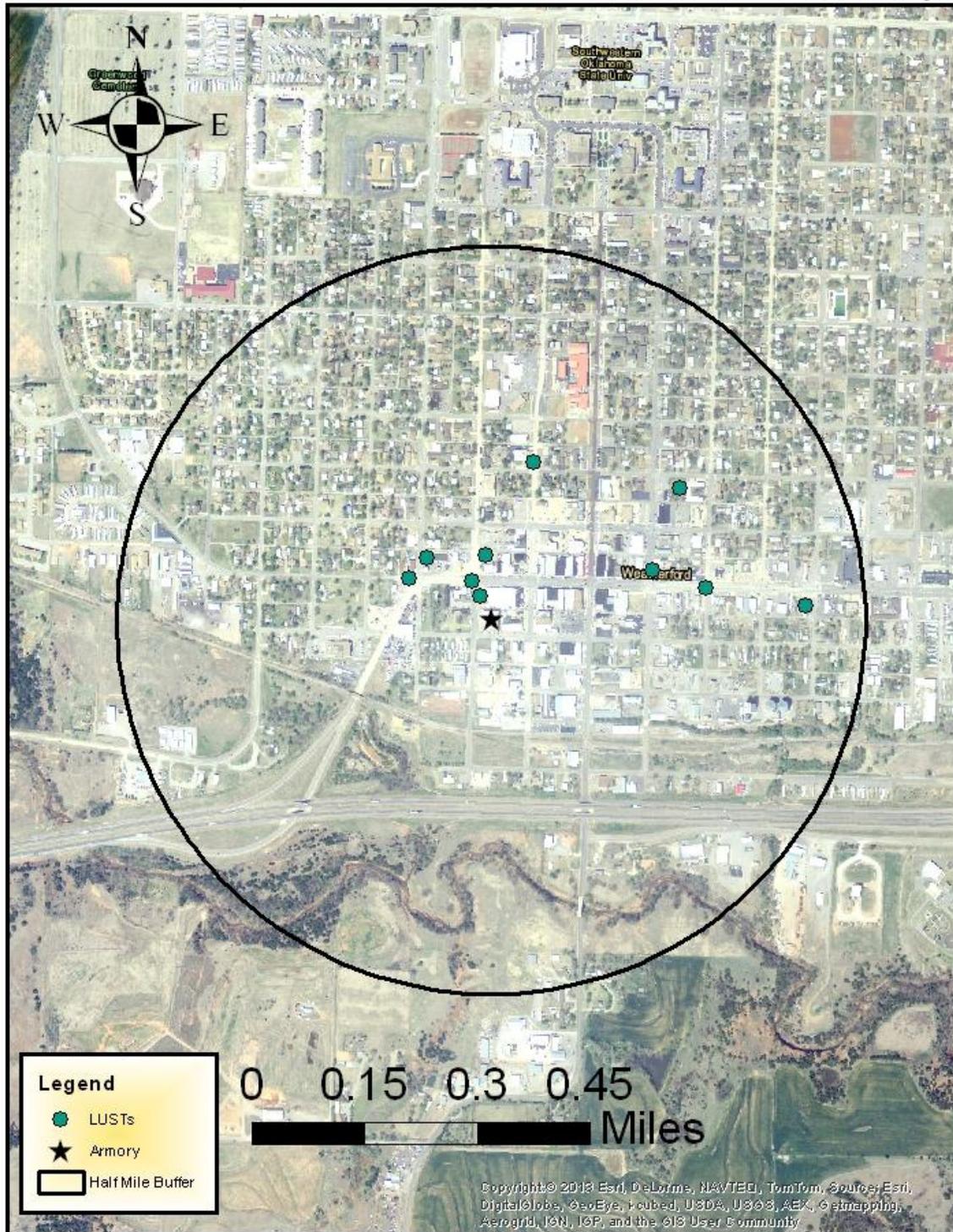


Map created by Brian Stanila
on 8/26/2013.

We make every effort to provide and maintain accurate, complete, usable, and timely information. However, some data and information on this map may be preliminary or out of date and is provided with the understanding that it is not guaranteed to be correct or complete. Conclusions drawn from, or actions undertaken on the basis of, such data and information are the sole responsibility of the user.

Leaking Underground Storage Tanks Map

LUSTs Near Weatherford National Guard Armory



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