

**Targeted Brownfields Assessment
Oklahoma Army National Guard
Allen Armory
Allen, Oklahoma**

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

December 12, 2007

Prepared by:



Prepared for:

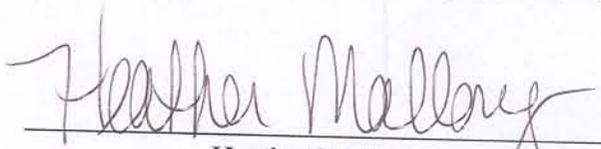
The Town of Allen
109 North Memphis
P.O. Box 402
Allen, Oklahoma 74825

Prepared by:

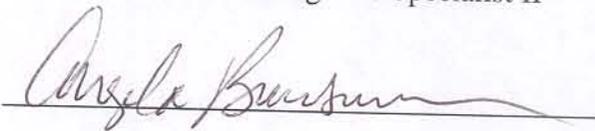
Oklahoma Department of Environmental Quality
Land Protection Division
707 N. Robinson
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677
(405) 702-5100

I declare that to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have 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 Inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

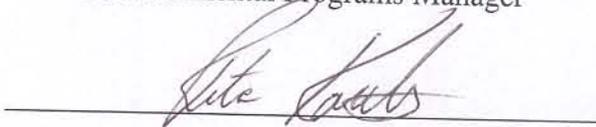
Environmental Professionals in charge of the project:



Heather Mallory
Environmental Programs Specialist II



Angela Brunsman
Environmental Programs Manager



Rita Kottke, Ph.D
Environmental Programs Manager

Background and Disclaimer: The purpose of an environmental site assessment is to identify actual or potential “recognized environmental conditions” that may result in liability or land use restrictions. The ASTM Phase I Environmental Site Assessment E 1527 – 05 is the minimum standard for environmental due diligence in the commercial real estate industry and meets the standard for All Appropriate Inquiry 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 redevelopment 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. 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.

Table of Contents

1.0	Executive Summary.....	6
2.0	Introduction.....	7
2.1	Purpose.....	7
2.2	Detailed Scope-of-Services.....	7
2.3	Significant Assumptions.....	7
2.4	Limitations and Exceptions.....	8
2.5	Special Terms and Conditions.....	8
3.0	Site Description.....	9
3.1	Location and Legal Description.....	9
3.2	Site and Vicinity General Characteristics.....	9
3.3	Operational History.....	14
3.4	Current Use of the Property.....	14
3.5	Current Use of the Adjacent Properties.....	15
3.6	Descriptions of Structures, Roads, Other Improvements on the Site.....	15
3.7	Site Inspection.....	15
4.0	User Provided Information.....	15
4.1	Title and Judicial Records.....	15
4.2	Environmental Liens or Activity and Use Limitations.....	16
4.3	Specialized Knowledge or Experience of User.....	16
4.4	Actual Knowledge of User.....	16
4.5	Commonly Known or Reasonably Ascertainable Information.....	16
4.6	Valuation Reduction for Environmental Issues.....	16
4.7	Owner, Property Manager, and Occupant Information.....	16
4.8	Reason for Performing Phase I.....	16
5.0	Records Review.....	17
5.1	Standard Environmental Record Sources.....	17
5.2	Additional Environmental Record Sources.....	20
5.3	Physical Setting Sources.....	21
5.4	Historical Use Information on the Property.....	21
5.5	Historical Use Information on Adjoining Properties.....	21
6.0	Site Reconnaissance.....	22
6.1	Methodology and Limiting Conditions.....	22
6.2	General Site Setting.....	22
6.3	External Observations.....	22
6.4	Internal Observations.....	23

7.0	Interviews.....	23
7.1	Interview with Past and Present Owners.....	23
7.2	Interview with Key Site Manager.....	23
7.3	Interviews with Operators and Occupants.....	24
7.4	Interviews with State and/or Local Government Officials.....	25
7.5	Interviews with Others.....	25
8.0	Findings.....	25
9.0	Opinion.....	26
10.0	Data Gaps.....	26
11.0	Conclusions.....	26
12.0	Deviations.....	26
13.0	Additional Services.....	27
14.0	References.....	27
15.0	Signatures of Environmental Professionals.....	30
16.0	Environmental Professionals Statement.....	30
17.0	Appendices.....	31
	Appendix A – Topographic Map and Aerials	
	Appendix B – GIS Map and DEQ Dataviewer Map	
	Appendix C – Site Photographs, OMD LEBA,	
	Appendix D – Paint Chip Data, DEQ Asbestos Sample Results, MEM Asbestos and Lead-Based Paint Sample Results	
	Appendix E – Active CERCLIS Sites, Archived CERCLIS Sites (NFRAP), RCRA Notifiers List, and ERNS Database	
	Appendix F – UST Database and UST Removal Report	
	Appendix G – FEMA Floodplain Map	
	Appendix H – Property Records	
	Appendix I – Letter of Interest, Email from Choctaw Nation and email to Chickasaw Nation, and DEQ Site Visit Notes	
	Appendix J - Qualification(s) of Environmental Professionals	

1.0 Executive Summary

This Phase I Targeted Brownfield Assessment of the Allen Armory was performed in accordance with the ASTM E 1527-05, a guide for conducting Environmental Site Assessments. Heather Mallory and Jarrett Keck conducted a site visit on September 14, 2006.

The Allen Armory is located in the Southwest Quarter of the Northeast Quarter of Section 25, Township 5 North, and Range 8 East in Pontotoc County, Oklahoma.

The following details some of the findings contained in this paper. However, all details are not contained in this section; therefore, the report must be read in its entirety for a complete understanding of the topics discussed below.

- During the site visit samples were taken by Heather Mallory, licensed asbestos inspector, for asbestos analysis from pipe wrap, insulation, window glazing, floor tile, mastic, and sheetrock. Of these, the insulation and floor tile in the orderly room contained asbestos (see Appendix D for results). The roof above the Drill Floor and heating flues are believed to contain asbestos.
- On October 26, 2006 Marshall Environmental Management conducted a lead-based paint and asbestos inspection of the Allen Armory. Lead-based paint was detected over the EPA standard of 1.0 mg/cm² in the Old Motor Pool and Drill Floor. Asbestos containing materials (ACM) were found in plumbing pipe, pipe wrap and insulation, 9x9 floor tile and mastic, heating flues, and the Drill Floor roof. (See Appendix D for full report from Marshall Environmental Management).
- The Allen Armory had no indoor firing range (IFR); therefore, no sediment samples were taken.
- Two underground storage tanks (USTs) historically resided on the property. One UST was removed and the other was filled in place under the direction of the Oklahoma Corporation Commission (OCC).
- Scrap metal and hot water tanks, used for welding class activities, were found behind the Armory building.

Opinion

Based on the findings of this assessment, it is the opinion of the DEQ that additional investigation should be conducted to evaluate areas of the property that may need future clean-up and remediation.

Due to the age of the building there is potential for ACM and lead paint within the building. Marshall Environmental Management performed a lead-based paint and asbestos survey on October 26, 2006. ACM and lead-based paint was found in the building. The results of this survey are in Appendix D. Lead-based paint and asbestos abatement are recommended. No IFR was located within the Armory or on Armory property, therefore no lead wipe samples are recommended to analyze lead dust from gun shot residue. Two USTs were properly closed

under the regulation of the Oklahoma Corporation Commission. Therefore, no soil or groundwater sampling is recommended near the UST sites.

2.0 Introduction

The State of Oklahoma Department of Environmental Quality (DEQ) under a Brownfield Assistance Agreement (No. # RP976412010) (Ref. 1) with the U.S. Environmental Protection Agency (EPA) conducted a Targeted Brownfield Assessment of the Allen Armory.

2.1 Purpose

The purpose of the assessment was to look at the environmental conditions within the target area and provide this information to the City of Allen to assist in its redevelopment planning as well as assist the City in meeting the All Appropriate Inquiry requirement of the landowner liability protections from liability 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). 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. The assessment will also guide the DEQ's future cleanup actions at the Armory.

The DEQ is providing technical assistance to the project by evaluating the environmental condition of the property prior to the City acquiring it. Funding for this assessment has been provided by the U.S. Environmental Protection Agency (EPA).

2.2 Detailed Scope-of-Services

The DEQ examined the current use of the property, identified the historical uses of the property to determine if recognized environmental conditions exist, and surveyed the subject property for asbestos and lead based paint. The DEQ examined historical documents, governmental databases, deed records, aerial photographs, governmental environmental files, and Sanborn Fire Insurance Maps, conducted interviews with past unit members, and performed a site reconnaissance of the area. A good faith effort was made to identify possible environmental conditions that might affect the development of the property. The DEQ surveyed and took samples of suspect asbestos materials in the subject property. Marshall Environmental surveyed the subject property for asbestos and lead based paint and took samples as appropriate.

2.3 Significant Assumptions

Past studies of the Oklahoma Army National Guard (OKARNG) armories suggest that there is a potential for lead and asbestos contamination at the Allen Armory. Since the drill floor was constructed in 1946 and the remainder of the building was built in 1957,

the building is likely to contain ACM and lead paint. 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. ACM may be found in a number of materials including but not limited to 9X9 floor tile, joint compound, pipe wrap insulation and elbow joints, heating pipes, and roofing materials. All of which could be present at the Allen Armory.

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 redevelopment. The ASTM Phase I Environmental Site Assessment E 1527 – 05 (Ref. 4) is the minimum standard for environmental due diligence in the commercial real estate industry and meets the standard for All Appropriate Inquiry 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 redevelopment 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 residents in the community, information provided by the City of Allen and the Oklahoma Military Department (OMD) and observations of the environmental professional. The result of this assessment, as written in this report, is valid as of the date of the report. The assessment does not include sampling of soil, rock, groundwater, surface water, or air. However, if sampling results were available then they were included in this report.

2.5 Special Terms and Conditions

This assessment report has been prepared for the City of Allen by the DEQ using EPA funding. Information about this report will be provided to the EPA and OMD for their 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 Description*

3.1 *Location and Legal Description*

The Allen Amory is located in the Southwest quarter of the Northeast quarter of Section 25, Township 5 North, and Range 8 East in Pontotoc County, Oklahoma. The physical address of the site is 903 North Paul Street, Allen, Oklahoma. The legal description of the property is as follows. Lots six (6) through seventeen (17) in block thirteen (13) of Leader Addition to the Town of Allen, Oklahoma.

3.2 *Site and Vicinity General Characteristics*

Environmental Setting

Pontotoc County is located in the South-central portion of Oklahoma and has an area of 716 square miles. The Canadian River forms the Northern boundary of the county and drains the Northern half of the county. The topography of the Northern portion of the county is primarily made up of weathered sandstones and shales which have low dips. The Northern portion of the county is also characterized by wooded areas. The Southern portion of the county is predominately limestone and flat prairie. The surface elevation of Pontotoc County varies from 645 feet to 1,300 feet. The lowest part of the County lies in Section 25, Township 2 N, and Range 7 E and the highest part of the County lies within the NE corner of Section 18, Township 2 N, and Range 4 E (Ref. 5). General topography near Allen, Oklahoma is shown in Figure 1. Allen, Oklahoma is located in the Northeast portion of the county and has a population of approximately 951 people (Ref. 6).

The economy of Pontotoc County relies heavily on raising beef cattle. Oil and gas production and manufacturing also contribute to the economy as well. Oil was first discovered in 1913 West of the town of Allen. The oil industry reached peak production in the area between 1930 and 1940. The climate of the county is temperate with average temperatures ranging from 6°F to 105°F in the winter and summer, respectively. The average daily minimum temperature is 52°F and the average daily maximum temperature is 74°F. Approximately 65 percent, 28 inches, of the total annual precipitation falls April through September (Ref. 7).

Groundwater

The Town of Allen is located near the Canadian River; as a result alluvium and terrace deposits underlie the town. Quaternary alluvium and terrace deposits in the area around Allen, Oklahoma consist of the Holdenville formation. The Holdenville formation is a blue-gray shale with light-brown sandstones and chert conglomerates and 2 major limestone formations (Sasakwa Limestone and Homer Limestone). The Sasakwa Limestone is white in color, fine-grained, 1 to 15 feet thick, and lies 35 feet below the top of the Holdenville formation. The Homer Limestone is dark-brown in color, sandy, 2 to

10 feet thick, and lies 40 to 70 feet below the Sasakwa Limestone. The Holdenville formation most likely yields small amounts of poor to fair quality water. Groundwater in Allen, Oklahoma area is made up of several different aquifers, each with unique chemical properties. Therefore, the chemical properties of the groundwater differ greatly from well to well. The water quality ranges from excellent to saline conditions. The poor quality of some water in this area may be a result of oil pollution (Ref. 8).

Soils

Pontotoc County is evenly divided between prairie and woodland soils. Prairie soils chiefly support tall grass prairie species consisting of Big Bluestem, Little Bluestem, Indiangrass, Switchgrass, and forbs. Woodland soils primarily support blackjack oak, post oak, and scattered elm trees. Tall grasses can be seen beneath the trees in the woodland soils. According to the soil map for Pontotoc County, the subject property lies on the Parsons Silt loam soil association in the town of Allen. The Parsons Silt loam soil is nearly level and is poorly drained to moderately well drained. These soils were formed as a result of clay and shale weathering underneath grass cover. Soil permeability is very slow and the available water capacity is high. Management is required to improve soil structure and reduce crusting at the surface. This soil unit is suitable for tame pasture, sorghum, corn, cotton, small grains, peanuts, range and woodland (Ref. 7)

Air

The average annual wind speed for the town of Allen is 11 miles per hour (Ref. 9). The air quality for Pontotoc County is generally moderate with respect to ozone levels (Ref. 10).

Surface water

The subject property lies within the Northwestern portion of Pontotoc County, this portion of the county drains into the Canadian River. The watershed in the Southeastern portion of the county drains into the Blue River, Clear Boggy Creek, and Muddy Boggy Creek; which eventually flow into the Red River. Near Fittstown natural springs provide an abundance of fresh water. In 1973 there were 60 small watershed lakes in the county and several more were scheduled for construction (Ref. 7).

Utilities

The following utilities serve the Town of Allen (Ref. 11):

- Southwestern Bell - Telephone
- Centerpoint – Natural Gas
- PSO – Electric
- Town of Allen – Sewer and water

Underground features

Underground features at the subject property include utility lines and USTs. Water, sewer, and telephone lines run underground in the alleyway behind the Armory building (South). Two USTs were also located onsite historically. A 1,000 gallon UST containing gasoline was installed in December of 1947 and removed on October 7, 1997. Upon removal, the tank and the associated fuel dispenser line were both in excellent condition and had no leaks or holes. A 500 gallon UST containing gasoline was installed in January of 1955 and closed in place using Portland cement and sand on October 7, 1997. The 500 gallon tank was closed in place because part of it resided under a sidewalk. During tank closure, a hand auger was used to drill two soil borings down gradient of the 500 gallon tank and adjacent to the 1,000 tank. These soil samples were screened for petroleum hydrocarbons using an Organic Vapor Meter (OVM) photoionization detector. The OVM found no evidence of hydrocarbons. Soil samples that were collected for laboratory analysis include: a 6 foot deep soil boring drilled adjacent to the 500 gallon UST and soil samples collected from the excavation of the 1,000 gallon UST. The analytical results of the soil samples showed that hydrocarbons were below the action levels of the OCC (See Appendix F).

Structures

The Allen High School and Elementary School are located 1 block from the subject property. They are located on Lexington Street between Highway 48 and Denver Street. The subject property is located on North Paul Street and Denver Street.

ASTs

No above ground storage tanks (ASTs) were observed on the subject property during the DEQ site visit conducted on September 14, 2006. Historically, no ASTs were known to be located on the property (Ref. 25).

Landfills, Dumping, Disturbed Soil

The nearest municipal solid waste landfill is located in Ada, Oklahoma (Ref. 12). No dumping or disturbed soil was observed on the subject property.

Impoundments

No impoundments were observed on the subject property.

Air Emissions and Wastewater Discharge

The following facilities are listed on the DEQ Air Emissions Inventory or on the DEQ online Dataviewer:

- Magellan Pipeline Co. 107 S. Camper Road Allen, OK
- Allen Crude Oil Pipeline 1 mile South of Hwy 1 on Camper Road
- Sunoco Pipeline See Appendix B
- Duke Energy Field See Appendix B

The following facilities have wastewater discharge permits in the Town of Allen:

- Town of Allen

None of the above mentioned facilities are located on the subject property. During the site visit, no potential air emissions were observed.

Industrial Activities

The subject property was used as a National Guard Armory. Vehicle maintenance and fueling occurred at the facility. The USTs have either been removed or closed in place. Table 1 details sites that have known USTs or leaking underground storage tanks (LUST). The list was provided by Terrin Morris at OCC (Ref. 24). All of these sites are located within 0.5 miles of the subject property according to the OCC UST Notification Database.

Table 1: UST sites

NAME	ADDRESS	CITY	#_TANKS	STATUS_OF_	LUST
Allen Quick Pic	Hwy 1 and 48	Allen, OK 74825	5	Currently in Use	Yes
Allen Armory (Det Co C 1/180 INF)	903 Paul St	Allen, OK 74825	2	1 tank removed	No
T. Poskey	404 N. Easton	Allen, OK 74825	2	Out of use	No
Mustang Country Store	Hwy 41 and Hwy 1	Allen, OK 74825	5	Out of use,	No
Bulen Service Co	200 E Broadway	Allen, OK 74825	4	Closed in place	No
H G Beavers (Texaco)	Hwy 12	Allen, OK 74825	?	Not listed	No
AMON Self	303 N. Easton St	Allen, OK 74825	3	Closed in place	No

Monitoring Wells

No monitoring wells or water wells were listed for the Southeast ¼ of the Northwest ¼ of the Northeast 1/4 of Section 25, Township 5 North, and Range 8 East on the OWRB Water Well Record Search (Ref. 13). No monitoring wells were observed during the site reconnaissance.

Stained Soils

No stained soils were observed on the subject property.

Seeps

No seeps were observed on the subject property.

Chemical Spills

No chemical spills were observed on the subject property and none were noted during the site walk through/interview. However several spills were reported on the Emergency Response Notification System (ERNS) for Allen, Oklahoma (see Appendix G). None of the spills on the ERNS database appear to be on or near the subject property.

Oil and Gas Exploration

According to county land records, the subject property had oil and gas leases in 1936. However, in 1949 the land records document that those oil and gas contracts were never fulfilled and no oil and gas exploration occurred on the subject property (see Appendix H).

Known Groundwater or Surface Water contamination

There is no known groundwater or surface water contamination on the subject property or adjoining properties.

Farm Wastes

Kenny Cundiff, Allen Schools Vo-Ag teacher, and Doug Stinson, former unit administrator of the Armory, did not recall any historic farm wastes being located on the subject property and none were observed during the site inspection (Ref. 25). (see Section 7.0 for background on people interviewed).

Known Pesticide Misapplication

No pesticide misapplication was noted during the interview with Kenny Cundiff and Doug Stinson or site reconnaissance (Ref. 25).

Discharges and Runoff from Adjacent Property Affecting the Site

No discharges/runoff or potential discharges/runoff from adjacent properties were observed during the site visit. All runoff appears to flow through the vegetated drainage ditch in the front of the Armory.

Other Known or Suspected Environmental Concerns on the Site

No environmental concerns were noted on the subject property. See Section 8.0 "Findings" for a more detailed description of conditions found at the site.

Historical Recognized Environmental Conditions on the Site

Two USTs were located onsite historically. A 1,000 gallon UST containing gasoline was installed in December of 1947 and removed on October 7, 1997. A 500 gallon UST containing gasoline was installed in January of 1955 and closed in place using Portland cement and sand on October 7, 1997. The USTs constitute a historically recognized environmental condition (HREC). See Section 8.0 "Findings" for a more detailed description of conditions found at the site.

Pipelines

The Allen Armory is connected to city water, city sewer, and natural gas. The utility lines run in the alley located South of the Armory.

Transformers/PCB Equipment

During the site visit two pole mounted transformers were observed Southeast of the Armory in the alleyway. The transformers appeared to be intact. No PCB containing fluorescent light fixtures were observed during the site inspection of the Armory.

3.3 Operational History

The Allen Armory was built in 1946 and had subsequent additions to the building. The was managed and maintained by OMD (on behalf of the State of Oklahoma) to support the military mission of OKARNG. The facility served as an Armory, a center of operations for the Oklahoma Army National Guard (OKARNG), as well as a training and storage facility. On October 26, 2005, OMD Environmental Office conducted a limited environmental baseline assessment (LEBA). During this time, Allen Public Schools was using the facility to house the Future Farmers of America (FFA) program and vocational-agricultural (Vo-Ag) classes. The rooms within the Armory building were being utilized as classrooms, offices, and storage rooms. In addition, the drill hall and motor pool areas were being used for welding, truck and tractor storage and repair, and other Vo-Ag and Future FFA activities (Ref. 14). The Armory did not have an IFR and no rooms were converted to an IFR. During the site visit on September 14, 2006, the same occupants and activities were occurring on the subject property as noted in the LEBA.

According to the letter from the Town of Allen, the property will be used for classrooms and agricultural functions for Allen Public Schools (see Appendix I).

3.4 Current Use of the Property

The OKARNG vacated the facility six years ago according to Doug Stinson. Allen Public Schools uses the subject property for classrooms and vocational and agricultural activities. The subject property has side walks and a gravel drive to the North of the

building, a greenhouse (added by Allen Public Schools) directly behind the old motor pool room, and scrap metal (belongs to Allen Public Schools) to the South of the building. See floor plan in Appendix C for pictures and a floor plan of the property. In the future the State of Oklahoma plans to transfer the property to the Town of Allen.

3.5 Current Use of Adjacent Properties

Southwest of the Armory is the Allen High School and Middle School. Residential property lies to the North and East of the Armory. The school parking lot is located South of the Armory and West of the residential property. A school sports complex is located to the West of the Armory.

3.6 Descriptions of Structures, Roads, Other Improvements on the Site

On the North and West side of the property there are paved roads. On the North side of the Armory building is a gravel driveway and a sidewalk. A retaining wall has been built to reduce flooding on the East side of the building. On the South of the building lies a greenhouse.

3.7 Site Inspection

Site reconnaissance was performed on September 14, 2006. The site visit was performed by Heather Mallory and Jarrett Keck, with the DEQ. Heather Mallory, certified asbestos inspector, also performed an asbestos inspection on the Armory. Doug Stinson, Kenny Cundiff, David Lassiter, and Dianne Brannon were present during the site visit. Doug Stinson served in the OKARNG for 11 years and worked at the Allen Armory. Kenny Cundiff teaches VoAg classes in the Allen Armory for Allen Public Schools. David Lassiter is the Superintendent for the Allen Public Schools. Dianne Brannon is the Mayor of the Town of Allen, Oklahoma.

4.0 User Provided Information

4.1 Title and Judicial Records

County land records were researched and reviewed on September 4, 2006. The subject property was transferred to the State of Oklahoma by the Town of Allen in 1949 to build an Army National Guard Armory. When this transaction took place, it was not known that a portion of the subject property was privately owned. Therefore in 1955 the property was transferred to the Town of Allen and subsequently transferred to the State of Oklahoma. By this time part of the Allen Armory was already built on the subject property. On March 14, 2007 the subject property was transferred to the Oklahoma Department of Environmental Quality for cleanup of the lead and asbestos hazards on the subject property.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

No environmental liens or activities and use limitations were noted in the county property records.

4.3 Specialized Knowledge or Experience of User

The user of this report is the Town of Allen and the DEQ Site Cleanup Assistance Program (SCAP). Previously, OMD performed a Limited Environmental Baseline Assessment (LEBA) on the subject property. This report was provided to the DEQ before the Phase I site reconnaissance was conducted. The LEBA documented the findings of OMD on October 26, 2005 (see Appendix C). The LEBA identified the following as recognized environmental conditions: petroleum and other liquids (POLs), mold growth and structural damage from rainwater due to leaks in roof, compressed gas cylinders inside drill hall for welding and cutting, and possibility of ACM in the roof above the drill hall. It was noted in the LEBA report that the POLs and compressed gas cylinders belong to Allen Public Schools.

4.4 Actual Knowledge of User

This is outside the scope of this assessment.

4.5 Commonly Known or Reasonably Ascertainable Information

The DEQ searched available State and Federal records and found no documented spills or environmental cleanups on the subject property. Kenny Cundiff and Doug Stinson were not aware of any documented spills or environmental cleanups on the subject property.

4.6 Valuation Reduction for Environmental Issues

This is outside the scope of this assessment.

4.7 Owner, Property Manager, and Occupant Information

The subject property is currently owned by the State of Oklahoma and managed by OMD. OMD allows Allen Public Schools to use the facility for Vo-Ag classes.

4.8 Reason for Performing Phase I

The DEQ performed a Phase I Targeted Brownfield Assessment of the facility to determine if any environmental conditions exist on the subject property that need to be addressed prior to the transfer of ownership. The Town of Allen would like to take ownership of the property and use the facility for the Allen Public Schools agricultural and vocational classes. Before transfer of property can occur the environmental issues associated with the facility should be resolved.

5.0 Records Review

5.1 Standard Environmental Record Sources

A regulatory database search was conducted by the DEQ. This search included, at a minimum, those records and distances from the site dictated as appropriate in the ASTM standard. The 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.

Federal National Priorities List (NPL) Sites within one Mile

There are no NPL sites within one mile of the subject property (Ref. 15).

Federal Delisted NPL site list within one-half mile

There are no federal delisted NPL sites within one-half mile of the subject property (Ref. 16).

Federal Active Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites within one-half mile

Table 2 details active sites that are listed on the CERCLIS database.

Table 2: Active CERCLIS Sites

EPA ID	Site Name	City	County	State	NPL	Address
OKD000764 357	Sunray Oil Co. Refinery	Allen	Pontotoc	OK	Removed from proposed NPL	West Edge of Town

The Sunray Oil Company Refinery is located within ½ mile of the Allen Armory (see Appendix E). The site is comprised of 40 acres of land of which 27 acres are owned by the Sun Pipe Line Company and the remaining 13 acres are owned by Allen Camper Manufacturing Company. In 1986, the EPA tested four unlined pits onsite, which held refinery sludges that were classified as RCRA Subtitle C waste. The analyses showed that the pits contained copper, lead, and zinc. In 1984 and 1986, the EPA tested an abandoned drinking water well onsite and found barium, iron, lead, and manganese in the water. This caused concern, because the Town of Allen obtains drinking water within 3 miles of the site and the Little Sandy Creek and a tributary to the Canadian River originates on the site. This site was dropped from consideration as a NPL site after reviewing public comments and re-evaluating the hazard ranking score (Ref. 16).

Federal Archived CERCLIS No Further Remedial Action Planned (NFRAP) Sites within one-half mile

Table 3 lists archived NFRAP sites that were listed on the CERCLIS database.

Table 3: Archived CERCLIS sites

EPA ID	Site Name	City	County	State	NPL	Address
OKD982308 983	Roadside Dump-Allen	Allen	Pontotoc	OK	Not on NPL, NFRAP	E Camper Road, 0.8 MI N of Hwy 48

The Allen Roadside Dump is located 0.8 miles North of Highway 48 in Allen, Oklahoma (see Appendix E). The CERCLIS database indicates that a preliminary assessment and site inspection was performed on the site in 1987 and then the site was archived in 1995.

Federal RCRA Corrective Action Sites (CORRACTS) Facilities List within one mile

There are no RCRA CORRACTS within one mile of the subject property (Ref. 17 and 18).

RCRA non-CORRACTS TSD Facilities List within one-half mile

There are no RCRA non-CORRACTS TSD facilities within one mile of the subject property (Ref. 19 and 20).

Federal RCRA Generators List (property and adjoining properties)

There are no RCRA generators listed for the subject property or adjoining properties (see Appendix E). The map in Appendix B also shows that there are no RCRA large quantity generators on the subject property or adjoining properties.

Federal Institutional Control/Engineering control registries (property only)

There are no institutional controls or engineering controls (IC/EC) for the subject property according to the county land records at the Pontotoc County Courthouse. Federal IC/EC registries are currently under development.

Federal ERNS list (property only)

The subject property is not listed on the federal ERNS list (see Appendix E).

State and Tribal lists of hazardous waste sites identified for investigation or Remediation (property only)

The subject property is being investigated by DEQ under the Site Cleanup Assistance Program. If site conditions warrant, the environmental contamination will be cleaned up prior to the property transfer. Tribal information was requested, but no response was received (Appendix I).

State- and Tribal-equivalent NPL within one mile

The State of Oklahoma or the Tribes of Oklahoma do not have a Superfund Law; therefore, there are no State or Tribal equivalent NPL sites in the area. Tribal information was requested, but no response was received (Appendix I).

State- and Tribal-equivalent CERCLIS within one-half mile

The State of Oklahoma or the Tribes of Oklahoma do not have a Superfund Law; therefore, there are no State or Tribal equivalent CERCLIS sites in the area. Tribal information was requested, but no response was received (Appendix I).

State and Tribal Landfill and/or Solid Waste Disposal Sites within one-half mile

The nearest landfill is located in Ada, Oklahoma, which is 18 miles away. The map in Appendix B shows that there are no active landfills or treatment storage and disposal sites within one-half mile of the subject property. Tribal information was requested, but no response was received (Appendix I).

State and Tribal Leaking Underground Storage Tank (LUST) List within one-half Mile

Table 4: LUST data from OCC database

OCC FACILITY #	NAME	ADDRESS	CITY	# TANKS	STATUS OF	LUST
6204259	Allen Quick Pic	Hwy 1 and 48	Allen, OK 74825	5	Currently in Use	Yes
6205811	Allen Armory (Det Co C 1/180 INF)	903 Paul St	Allen, OK 74825	2	1 tank removed, 1 tank closed in place	No
6206000	T. Poskey	404 N. Easton	Allen, OK 74825	2	Out of use	No
6208872	Mustang Country Store	Hwy 41 and Hwy 1	Allen, OK 74825	5	Out of use	No
6214189	Bulen Service Co	200 E Broadway	Allen, OK 74825	4	Closed in place	No
H6218019	H G Beavers (Texaco)	Hwy 12	Allen, OK 74825	?	Not listed	No
6203798	AMON Self	303 N. Easton St	Allen, OK 74825	3	Closed in place	No

Table 4 shows that there has been one LUST case within one-half mile of the Allen Armory. Tribal information was requested, but no response was received (Appendix I).

State and Tribal registered Storage Tank Lists (property and adjoining properties)

According to the UST database at the OCC, there were two USTs at the Allen Armory. A 1,000 gallon UST, which was installed in December of 1947, was removed on October 7, 1997. The tank and the associated fuel dispenser line were both in excellent condition and had no leaks or holes. A 500 gallon UST, which was installed in January of 1955, was closed in place using Portland cement and sand on October 7, 1997. The 500 gallon tank was closed in place because it partially resided under a sidewalk. A hand auger was used to drill two soil borings down gradient of the 500 gallon tank and adjacent to the 1,000 tank. These soil samples were screened for petroleum hydrocarbons using an Organic Vapor Meter (OVM) photoionization detector. The OVM found no evidence of hydrocarbons. Soil samples were collected for laboratory analysis include: a 6 foot deep soil boring drilled adjacent to the 500 gallon UST and soil samples collected from the excavation of the 1,000 gallon UST. The analytical results of the soil samples showed that hydrocarbons were below the action levels of the OCC. (See Appendix F). Tribal information was requested, but no response was received (Appendix I).

State and Tribal Institutional Control/Engineering Control Registries (property only)

No institutional controls or engineering controls (IC/ECs) were found for the property during the title search at the Pontotoc County Courthouse. DEQ has no information regarding ICs at this facility in the data accumulated for its IC database, which is under construction. Tribal information was requested, but no response was received (Appendix I).

State and Tribal Voluntary Cleanup Sites and Brownfield Sites within one-half Mile

No State or Tribal voluntary cleanup or Brownfield sites were found within one-half mile of the property being investigated (Ref. 22 and 23). Tribal information was requested, but no response was received (Appendix I).

5.2 Additional Environmental Record Sources

No material safety data sheets were found at the subject property during the site visit. The Federal Emergency Management Agency (FEMA) floodplain maps were consulted to determine if the subject property lies in a flood prone area. The FEMA map indicates that the subject property is not located within the 100 year or 500 year flood plain (see Appendix G). However, storm water runoff has infiltrated the East side of building in the past.

5.3 *Physical Setting Sources*

Physical setting sources were obtained from the USGS 7.5 minute topographic maps, current and past aerials, the Federal Emergency Management Agency, United States Department of Agriculture Soil Conservation Service, and site visits.

5.4 *Historical Use Information on the Property*

The National Guard Armory located in Allen, Oklahoma was historically used to further the mission of the OKARNG. The Allen Armory operated as a center of operations for a military component of the OKARNG. It served as both a training site and storage for materials required by the occupant.

5.5 *Historical Use Information on Adjoining Properties*

According to Doug Stinson and Kenny Cundiff, the adjoining properties to the South and East were always residential and the parking lot to the South was always School property. Historical aerials indicate that in 1940 the area around the subject property was used for agricultural purposes, vacant, or residential purposes (Appendix A).

Aerial Photo Review

Color and black and white aerial photos were reviewed for Allen, Oklahoma. The aerials were not detailed enough to provide an accurate presentation of land use in the area in and around the Armory property (Appendix A).

Zoning/Land Use Records Review

No zoning/land use records were reviewed while conducting this Phase I Targeted Brownfields Assessment.

Fire Insurance Maps

No Sanborn Fire Insurance Maps were available for the Town of Allen, Oklahoma.

Property Tax files

No property tax files were reviewed while conducting this Phase I Targeted Brownfields Assessment.

City Directories

No city directories were reviewed while conducting this Phase I Targeted Brownfields Assessment.

Building Department Records

No building department records were reviewed while conducting this Phase I Targeted Brownfields Assessment.

Interviews

Doug Stinson, a former employee of the OKARNG who served at the Allen Armory as a guard member for 11 years, was interviewed during the site visit. Kenny Cundiff, a current employee of Allen Public Schools who teaches VoAg classes in the Armory building, was also interviewed during the site visit. David Lassiter (School Superintendent) and Dianne Brannon (Mayor of Allen) were also in attendance during the site visit, but were not interviewed. Information about this interview can be found in Section 7.3.

6.0 Site Reconnaissance

6.1 Methodology and Limiting Conditions

On September 14, 2006, Heather Mallory and Jarrett Keck met with Doug Stinson and Kenny Cundiff at the Allen Armory. Doug Stinson is a former employee of the OKARNG who served at the Allen Armory as a guard member for 11 years. Kenny Cundiff is a current employee of Allen Public Schools who teaches VoAg classes in the Armory building. Site reconnaissance consisted of a complete walk through of the building and its surrounding property.

6.2 General Site Setting

Pole mounted transformers are located to the South of the subject property in the alleyway. No water or monitoring wells were observed on the subject property. The Armory receives water and sewer services from the Town of Allen, natural gas from Centerpoint Energy, and Electricity from PSO. Doug Stinson confirmed that one UST was removed and one was closed in place on the subject property. No vent pipes or remains of former USTs were observed during the site visit. Roof drains were also observed on the outside of the building.

6.3 External observations

Behind the Armory building (South) lies a greenhouse and scrap metal area. Utility lines run in the alleyway that is located behind the Armory building. On the West side of the building are trailers and other items used for VoAg activities. In front of the Armory building (North) lies a ditch. Two pole mounted transformers lie on a pole located near the alleyway behind the Armory. The pole mounted transformers appeared to be in good condition with no leaking. No seeps or stains were observed outside of the building, in the ditch, or on the soil surrounding the building. Water damage was observed on the

exterior of the building on the East side from storm water runoff. A drum containing POLs was observed behind the subject property in the scrap metal area (See Appendix C).

6.4 Internal observations

There is a roof leak in the South end of the old motor pool and roof deterioration on the Southeast portion of the drill floor. See Appendix C for pictures of water damage and roof deterioration. No repairs have been performed on the roof of the Armory building and the original roof is still on the Armory building. The roof over the drill floor is made of Transite and the roof over the remainder of the building is made of gravel and tar. Several properly stored chemicals were observed in the Armory that belonged to the current occupant, Allen Public Schools. The only property in the building includes lockers, filing cabinets, an empty compressed gas cylinder, and kerosene. (The kerosene is located in the supply room and is not stored in a fire proof storage cabinet). No pools of liquids or floor stains were observed in the subject property during the site inspection. No PCB containing ballasts were observed inside of the building. One drum was observed in the supply room, which contained used hydraulic fluid from recent Allen Schools Vo-Ag activities. The drum did not appear to be leaking. Suspect ACM was observed during the site visit. Possible ACM consisted of pipe wrap, 9x9 floor tile, heating flues, and the roof above the drill floor and old motor pool. Jarrett Keck observed two thermostats that could possibly contain mercury in the old motor pool and classroom/lab.

7.0 Interviews

7.1 Interviews with Past and Present Owners of the property

OMD was interviewed by members of the DEQ on numerous occasions. The property is currently occupied by Allen Public Schools and managed by OMD. The DEQ has had several conversations regarding environmental and safety issues at the armories, with various employees of OMD. Colonel James Peck and Chuck Reveille were among the individuals that the DEQ has spoken with. OMD provided a Limited Environmental Baseline Assessment (see Appendix C) of the property to the DEQ.

7.2 Interviews with Key Site Manager

The State of Oklahoma owns the property for the benefit of the Army National Guard. Various employees with OMD are responsible for managing the health and safety and environmental issues at the armories across the State. Major Merkle was interviewed regarding health and safety issues involving asbestos and lead. Colonel James Peck and Richard Brooks were interviewed regarding environmental issues at the Armory.

7.3 Interviews with Operators and Occupants of the property

Doug Stinson and Kenny Cundiff were interviewed during the site visit on September 14, 2006. Doug Stinson was also contacted on various occasions with additional questions. Doug Stinson served in the OKANG unit at Allen for 11 years and Kenny Cundiff teaches VoAg classes in the Armory for Allen Public Schools. Doug Stinson has extensive knowledge of the past and current operations and use of the Allen Armory and Kenny Cundiff has extensive knowledge of current operations and use of the building.

The following statements from the building operators were gathered during interviews with Doug Stinson, regarding OKANG occupation of the Armory (see Appendix I for documentation).

- The Armory is on City water and sewer, Centerpoint natural gas, and PSO electricity
- 1 UST was removed and 1 UST was closed in place on the property
 - No vent pipes were left behind
- The property that the Armory is built on was a vacant lot before the Armory was built
- The Armory closed about 6 years ago
- No cisterns, above ground storage tanks, impoundments, or sumps have ever been present on the property
- The vault was formerly used to store gun cleaning supplies and guns
- During the site visit a musty odor was noticed in the vault
- The Armory does not have an indoor firing range
- No firing of weapons ever occurred at the Armory
- Adjoining properties
 - Residential to the North and East
 - School property to the South of the Armory and West of the residential property
- No air emissions or wastewater discharge ever occurred on the property
- No monitoring wells, stained soils, seeps, oil and gas exploration, ground or surface water contamination, farm wastes, or discharges from adjacent properties have ever occurred on the property

The following statements from the building operators were gathered during an interview with Kenny Cundiff and Doug Stinson, regarding current occupation of the building.

- There are roof leaks near the South end of the old motor pool and on the East side of the building
- The building is used for horticulture, welding, and computer classes
- The welding equipment in the drill floor belongs to Allen Public Schools
- There is possible lead paint on the original outside doors

- The overhead doors and associated ridge row have recently been replaced and painted
- The hot water heaters, located behind the building, were put there by the school
- Magellian pipeline, formerly Sun Ray Oil Refinery, is located to the Northwest of the property
- The vault is currently used to store school files
- The supply room is used to store cleaning supplies for the school
- Sergeant Barrett's office is now used for the Allen FFA
- The classrooms at the East end of the building are used as computer labs
- The room to the East of the men's latrine is being used as a horticulture classroom
- The tool room is currently being used for welding supplies
- The sewer line in the alleyway was replaced 3 or 4 years ago
- The trailers on the West side of the building belong to the school
- The drum in the supply room contains used motor oil and the drum behind the building contains hydraulic fluid
- The following items belong to OMD:
 - Supply room
 - Kerosene
 - Filing cabinets
 - Lockers
 - Empty compressed gas cylinder – located behind building

7.4 Interviews with State and/or Local Government Officials

The Mayor of Allen was present during the site visit; however, she did not participate in the interview. The State of Oklahoma owns the property for the benefit of the Army National Guard. Various employees with OMD are responsible for managing the health and safety and environmental issues at the armories across the State. Major Merkle was interviewed regarding health and safety issues involving asbestos and lead. Colonel James Peck and Richard Brooks were interviewed regarding environmental issues at the Armory.

7.5 Interviews with Others

No interviews were conducted with anyone else other than Doug Stinson, Kenny Cundiff, and OMD personnel.

8.0 Findings

The following findings were noted during the site reconnaissance and record review of the subject property. Underground features at the subject property include utility lines and closed USTs. Water, sewer, telephone, and natural gas lines run underground in the alleyway behind the Armory building (South). Two USTs were also located onsite historically. A 1,000 gallon UST containing gasoline was installed in December of 1947 and removed on October 7, 1997. Upon removal the tank and the associated fuel

dispenser line were both in excellent condition and had no leaks or holes. A 500 gallon UST containing gasoline was installed in January of 1955 and closed in place using Portland cement and sand on October 7, 1997. The 500 gallon tank was closed in place because part of it resided under a sidewalk. During tank closure, a hand auger was used to drill two soil borings down gradient of the 500 gallon tank and adjacent to the 1,000 tank. These soil samples were screened for petroleum hydrocarbons using an Organic Vapor Meter (OVM) photoionization detector. The OVM found no evidence of hydrocarbons. Soil samples that were collected for laboratory analysis include: a 6 foot deep soil boring drilled adjacent to the 500 gallon UST and soil samples collected from the excavation of the 1,000 gallon UST. The analytical results of the soil samples showed that hydrocarbons were below the action levels of the OCC (See Appendix F). The condition of the soil in the tank pit of the 500 gallon UST is unknown and therefore considered a data gap for the purpose of this assessment; however the soil downgradient of the tank pit did not contain hydrocarbons.

During the site visit to the Armory DEQ personnel collected paint chip and asbestos samples under separate funding (State funding). Marshall Environmental Management also collected asbestos and lead results under separate funding (State funding). Table 5 details the samples, that Marshall Environmental Management collected, that contained asbestos. Complete analysis results for asbestos and lead based paint are located in Appendix D.

Table 5: Marshall Environmental Asbestos results

Sample #	Location	Sample Material	Result
A-3	Classroom #1	Above ceiling	8% Chrysotile
A-8A	Storage Room	Gray floor tile	5% Chrysotile
A-8B	Storage Room	Gray floor tile mastic	5% Chrysotile
A-9	Storage Room	Brown Marble vinyl floor covering	25% Chrysotile
A-12	Storage Room by Vault	TSI Elbow	70% Chrysotile
A-13	Storage Room by Vault	TSI Linear Run	5% Chrysotile
A-14	Mechanical Room	TSI Painted Fitting	5% Chrysotile
A-15	Tool Room	TSI Damaged Insulation	65% Chrysotile
A-21	Motor Pool	Flue Vent	60% Chrysotile

The LEBA documented the findings of OMD on October 26, 2005 (see Appendix C). The report was provided to the DEQ before the Phase I site reconnaissance was conducted. The LEBA identified the following as recognized environmental conditions: POLs, mold growth and structural damage due to roof leaks, compressed gas cylinders inside drill hall for welding and cutting, and possible ACM in roof materials above the drill hall.

During the site reconnaissance, it was noted that various types of chemicals are stored within the Armory as well as behind the Armory building. These chemicals are

petroleum based products such as kerosene, hydraulic fluid, and used motor oil. Various chemicals from the school are also in the building, but being utilized by Allen Public Schools. These chemicals include petroleum based products and general cleaning supplies. Pictures of these items can be found Appendix C in the LEBA report and the DEQ pictures.

9.0 *Opinion*

Based on the findings of this assessment, it is the opinion of the DEQ that additional action be conducted to evaluate areas of the property that may need future clean-up and remediation.

Areas of additional action consist of the following:

- All military owned chemicals should be removed
- All friable ACM should be removed
- Lead based paint should be addressed in an appropriate fashion

10.0 *Data Gaps*

The condition of the soil in the tank pit of the 500 gallon UST is unknown and therefore considered a data gap for the purpose of this assessment. Tribal information was requested for this Phase I Targeted Brownfields Assessment, but no response was received (Appendix I).

11.0 *Conclusions*

A Phase I Targeted Brownfields Assessment in conformance with the scope of work and ASTM Practice E 1527-05 was performed on the subject property. This assessment revealed recognized environmental conditions that may need additional action and remediation of the subject property before the property transfer can take place. The information provided in this assessment is to assist the Town of Allen in its redevelopment 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).

12.0 *Deviations*

The following deviations from ASTM Practice E 1527-05 occur in this Phase I Targeted Brownfields Assessment. Asbestos and lead paint were sampled and the corresponding results were included in this report. Normally, sampling is not included in a Phase I Environmental Assessment, but it was in this case. No tax records, city directories, or zoning records were reviewed for this report.

13.0 Additional Services

No additional services were provided in this Phase I Targeted Brownfields Assessment other than the lead and asbestos results described in Section 8.0, "Findings". In addition to the Phase I Targeted Brownfields Assessment, the DEQ will assist the city with removal of the environmental contaminants and ensure that the property is ready for redevelopment.

14.0 References

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15.0 Signature(s) of Environmental Professional(s)

See page two for signatures of environmental professionals.

16.0 Environmental Professional(s) Statement

See page two for environmental professionals statement. Appendix J contains qualifications for the environmental professionals that signed this document.

17.0 Appendices

- Appendix A – Topographic Map and Aerials
- Appendix B – GIS Map and DEQ Dataviewer Map
- Appendix C – Site Photographs, OMD LEBA,
- Appendix D – Paint Chip Data, DEQ Asbestos Sample Results, MEM Asbestos and Lead-Based Paint Sample Results
- Appendix E – Active CERCLIS Sites, Archived CERCLIS Sites (NFRAP), RCRA Notifiers List, and ERNS Database
- Appendix F – UST Database and UST Removal Report
- Appendix G – FEMA Floodplain Map
- Appendix H – Property Records
- Appendix I – Letter of Interest and Email From Choctaw Nation
- Appendix J – Qualification(s) of Environmental Professionals

Thermal System Insulation (TSI) – found on plumbing lines, HVAC equipment, boilers and steam lines

Surfacing Materials (SM) – blown on, textured or troweled onto building components (e.g. ceilings and beams)

Miscellaneous Materials (Misc.) – floor tile, mastics, ceiling tile, wallboard, cement asbestos boards, etc.

The AHERA sampling protocol addresses the systematic sampling of each of these forms of ACM and the identification of both friable ACM (i.e. that which can be rendered to a powder by hand pressure) and non-friable ACM, such as floor tiles and mastic. This Inspection also evaluated the condition of the ACM identified as good, damaged, or significantly damaged. No significantly damaged ACM was identified in the Inspection. The potential for disturbance of the ACM identified was indicated on the field inspection forms in accordance with the AHERA inspection protocol in order to assist with future Asbestos Management Planning efforts.

In addition to AHERA, the EPA regulates asbestos removal and land disposal requirements. These efforts are now administered by the Oklahoma Department of Environmental Quality (DEQ). Air quality regulations require the filing of advance notices of any demolition or renovation activities. These notices are referred to as a National Emission Standard for Hazard Air Pollutants (NESHAPS) Notice. Both historical and future asbestos abatement response actions track asbestos removal from the Armory to the DEQ approved landfill on a project by project basis as part of this NESHAP notification process.

APPENDIX A

Figure 1: Allen Topographic Map

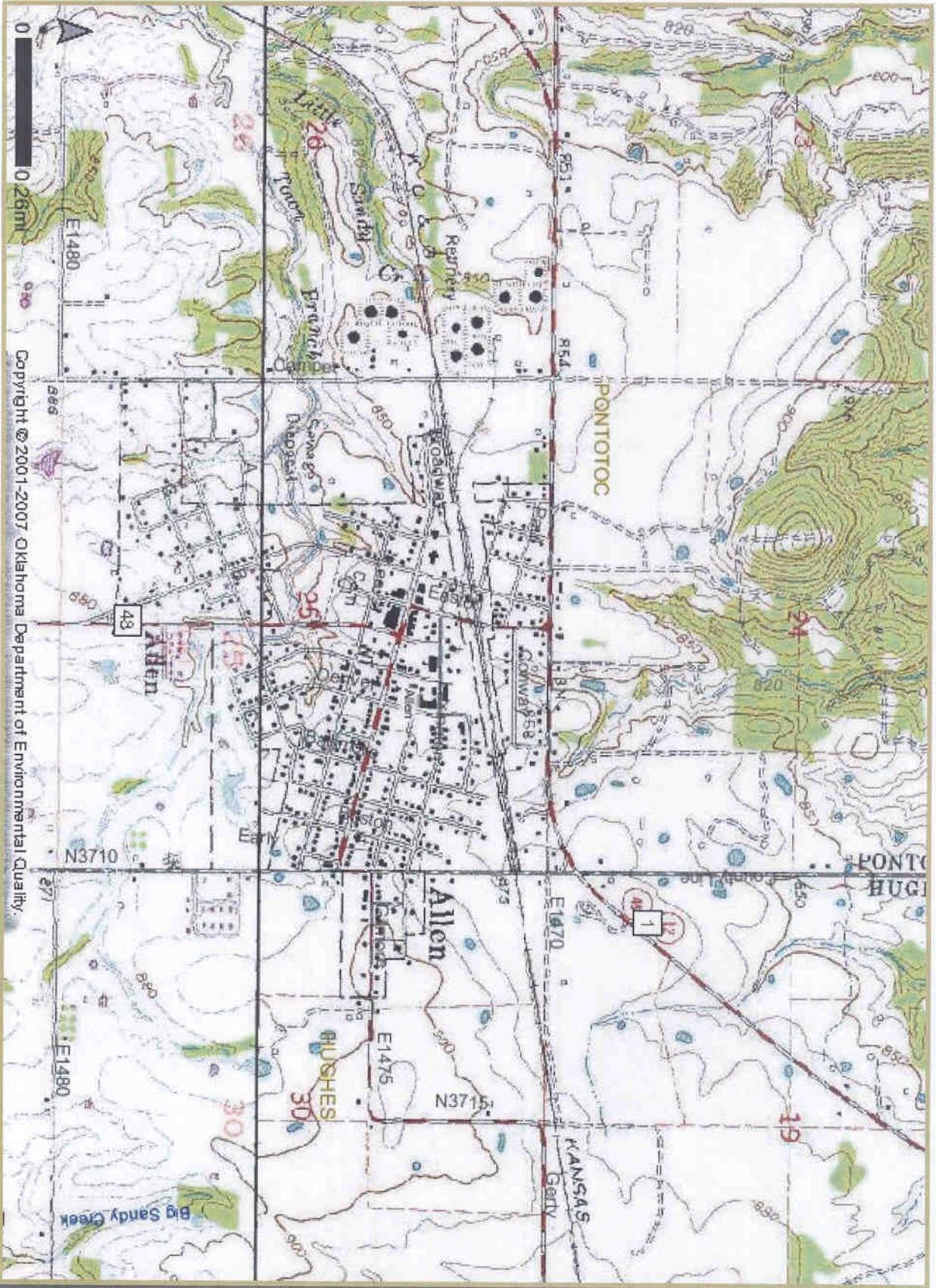
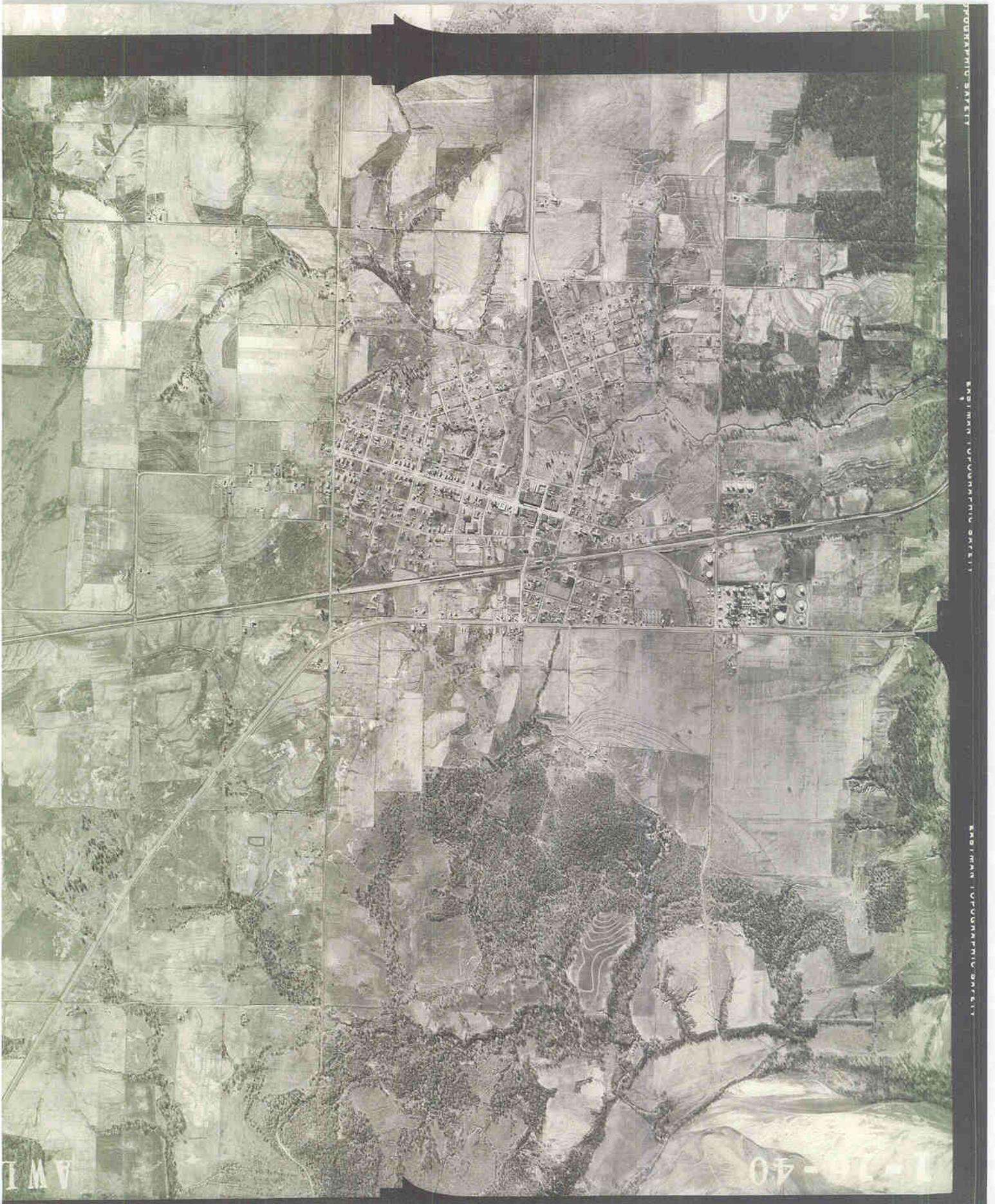
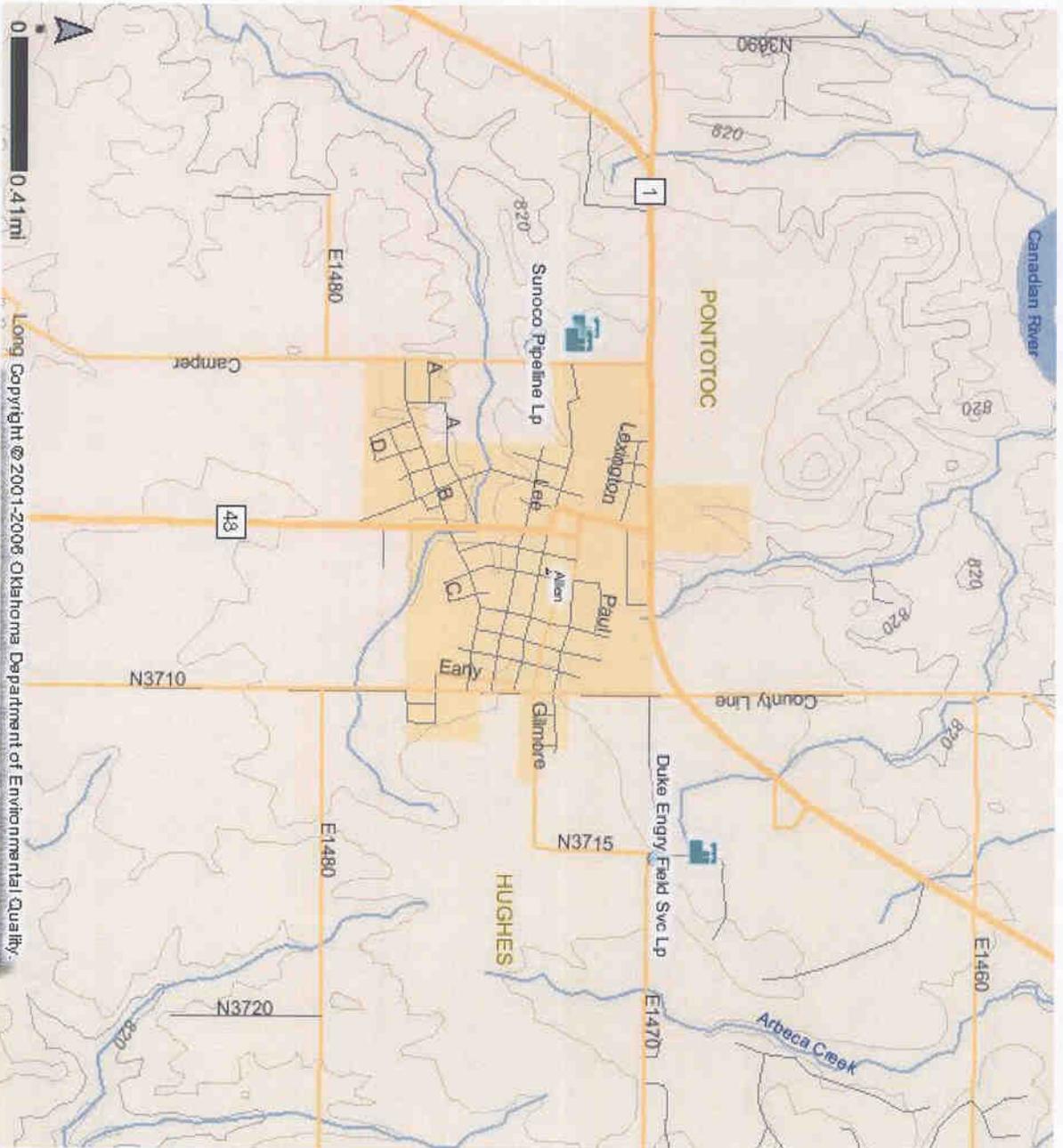


Figure 2: 1940 Aerial of Allen, OK



APPENDIX B

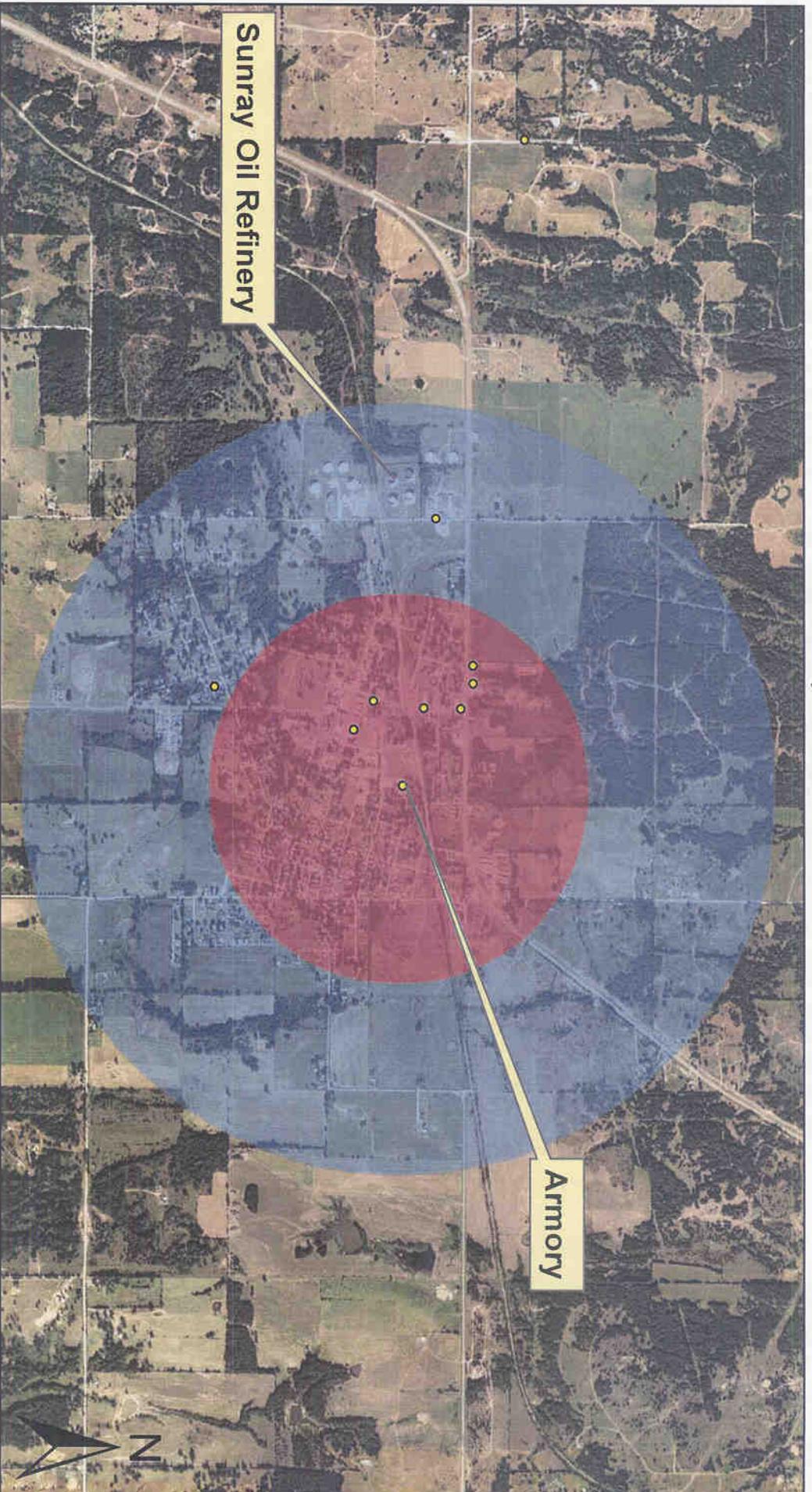
Allen, Oklahoma



- Legend**
- Air Emissions MFL
 - Multimedia Facility
 - Single Facility
 - Active Municipal Landfills
 - Air Quality Permitted Facilities
 - Treatment Storage / Disposal

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Allen, Oklahoma



Legend

- Superfund sites
- Lg qty generators
- active muni landfill
- Treatment Storage disposal
- USTs
- Allen Armory-Half mile
- Allen Armory-One mile



Map created 10-12-06



APPENDIX C

DEQ PICTURES



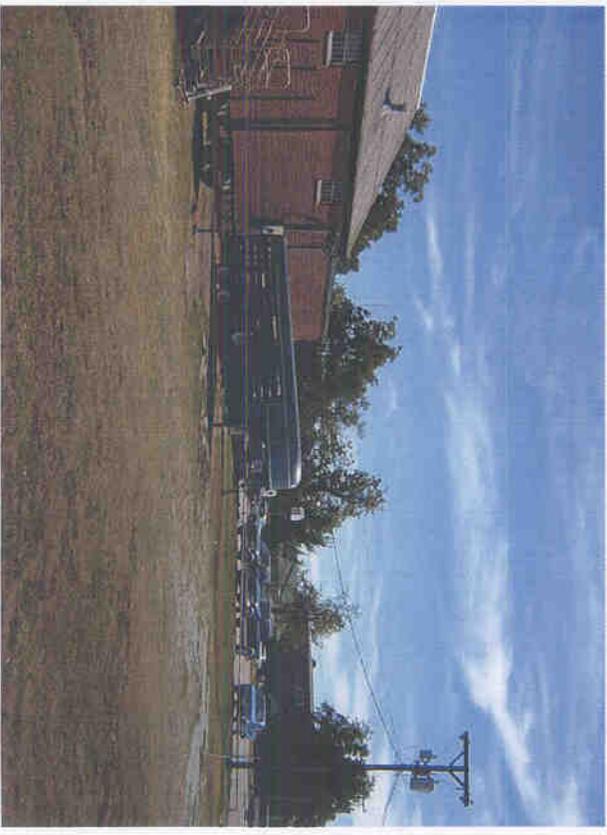
West side of the Armory



East side of Armory



North side of Armory



West side of Armory & School parking lot



South side of Armory & greenhouse



South side of Armory showing scrap metal



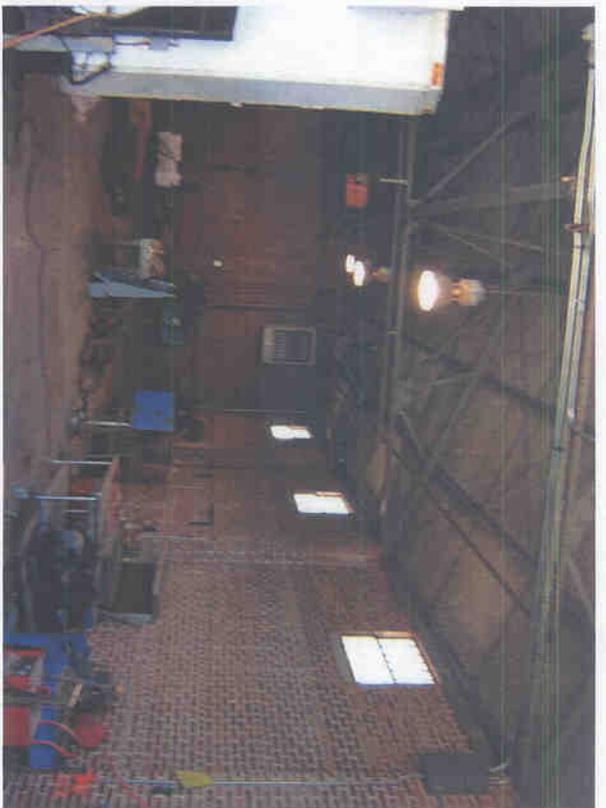
South side of Armory



East side of Armory



Drill floor



Drill floor



Roof above drill floor



Chemicals in Supply Room



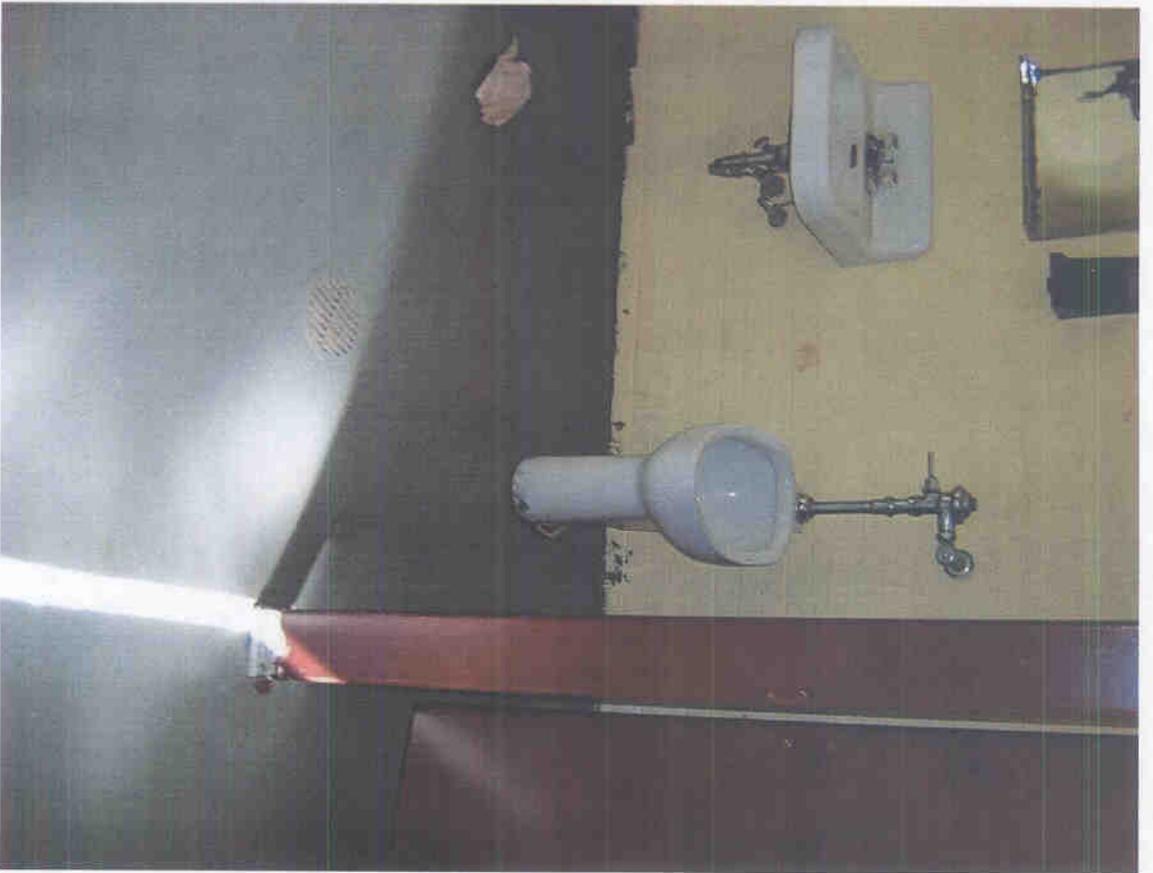
Supply Room



The Vault



Tool Room



Men's Latrine



Old Motor Pool

**OKLAHOMA MILITARY DEPARTMENT
LIMITED ENVIRONMENTAL BASELINE ASSESSMENT**

LIMITED ENVIRONMENTAL BASELINE ASSESSMENT



**OKLAHOMA ARMY NATIONAL GUARD
ALLEN ARMORY
903 NORTH PAUL STREET
ALLEN, OK**

26 OCTOBER 2005

**PERFORMED BY
OKLAHOMA MILITARY DEPARTMENT ENVIRONMENTAL OFFICE [OKDE-ENV]
FOR
THE OKLAHOMA MILITARY DEPARTMENT**

LIMITED ENVIRONMENTAL BASELINE ASSESSMENT

for

**ALLEN ARMORY
903 NORTH PAUL STREET
ALLEN, OK**

26 OCTOBER 2005

**CONDUCTED BY
THE OKLAHOMA MILITARY DEPARTMENT ENVIRONMENTAL OFFICE (OKDE-ENV)**

**CONDUCTED FOR
THE OKLAHOMA MILITARY DEPARTMENT**

TABLE OF CONTENTS

EXECUTIVE SUMMARY	3
SITE DESCRIPTION	4
SITE RECONNAISSANCE	4
INTERVIEWS	5
CONCLUSIONS.....	5
RECOMMENDATIONS	6
APPENDICES	7
APPENDIX A.....	8
PURPOSE.....	9
SCOPE and LIMITATIONS.....	9
APPENDIX B	10
METHODOLOGY	11
APPENDIX C	12
RECONNAISSANCE PHOTOGRAPHS	12
APPENDIX D.....	16
FACILITY MAP.....	16

EXECUTIVE SUMMARY

A representative of the Oklahoma Military Department Environmental Office (OKDE-ENV) conducted a Limited Environmental Baseline Assessment for the Oklahoma Army National Guard (OKARNG) Allen Armory facility. The evaluation was conducted on behalf of the Oklahoma Military Department (OMD) and the OKARNG. The OKARNG is a component of the United States Army and fulfills the military mission of national security. The purpose of this assessment is to identify and record recognized environmental conditions (if any) at the subject property.

The following issues were noted (these are minor and only of minor concern):

- POL containers sitting outside (belonging to the school, not in secondary containment).
- Mold growth and structural damage from rainwater due to leaks in roofs.
- Compressed gas cylinders (belonging to the school) inside drill hall used for welding and cutting.
- Possibility of asbestos in the composition of roofing materials above the drill hall.

Recognized environmental conditions associated with the property and identified during this Limited Environmental Baseline Assessment revealed the following minor issues which have limited environmental risk:

- Based solely on the age of the facility, flooring tiles, pipe coatings, and roofing materials present a potential for presence of asbestos containing materials (ACM).
- A potential for the presence of harmful molds.

Based on findings of this evaluation, it is unlikely that activities or events during the Oklahoma Army National Guard's use of the property have resulted in a significant adverse environmental impact.

SITE DESCRIPTION

The Allen Armory is located at 903 North Paul Street, Allen, Oklahoma. The City of Allen is located in Pontotoc County, Oklahoma. The subject property is a parcel of property managed and maintained by the Oklahoma Military Department (on behalf of State of Oklahoma) to support the military mission of the OKARNG. The facility served as an Armory to further the mission of the OKARNG. It operated as a center of operations for a military component of the OKARNG. It served as a training site for the component and stored those materials required by the component.

SITE RECONNAISSANCE

Matthew Simpson (OKDE-ENV) performed a site reconnaissance visit on 25 October 2005 to visually assess the subject property and record the current environmental condition of the facility and grounds.

The facility is currently being used by the Allen Public School's FFA program and Vo-Ag classes. The rooms in the building were being used as classrooms, offices, and storage rooms. The drill hall and motor pool were being used for welding, truck and tractor storage and repair, and other Vo-Ag and FFA related activities.

Allen Public Schools is utilizing the entire facility and everything in the building is owned by and was brought onto the property by the school. Equipment used by the school on the property includes:

- Welding machines (Appendix C, Photo #1).
- Oxygen/Acetylene cutting torches (Appendix C, Photo #2).
- Various POLs (Appendix C, Photos #9 & #10).
- Scrap metals (Appendix C, Photos #16 & #17).
- Tractors and pick-up trucks.

The following recognized environmental conditions were identified during the assessment:

- POL containers sitting outside, not in secondary containment (Appendix C, Photos #9 & #10).
- Mold growth and structural damage from rainwater due to leaks in roofs (Appendix C, Photos #4, #5, #6 & #7).
- Compressed gas cylinders inside drill hall for welding and cutting (Appendix C, Photos #1 & #2).

The compressed gas cylinders and the POL containers belong to and were placed in their current location by the school.

INTERVIEWS

Allen High School Superintendent, Mr. David Lassiter, presented information during the facility site reconnaissance conducted on 25 October 2005 and assisted in giving a tour of the facility. He additionally stated that the leaks in the roof have been there before the guard unit vacated the building. Mr. Lassiter also stated that there was nothing left behind by the previous OKARNG unit other than some lockers, filing cabinets and an empty gas container.

CONCLUSIONS

Representatives of the Oklahoma Military Department Environmental Office (OKDE-ENV) conducted a Limited Environmental Baseline Assessment at the Allen Armory. The evaluation was conducted on behalf of the Oklahoma Military Department (OMD) and the Oklahoma Army National Guard (OKARNG) to identify and record recognized environmental conditions (if any) at the subject property.

Recognized environmental conditions associated with the property and identified during this Limited Environmental Baseline Assessment revealed the following minor issues which have limited environmental risk:

- Based solely on the age of the facility, flooring tiles, pipe coatings, and roofing materials present a potential for presence of asbestos containing materials (ACM).
- A potential for the presence of harmful mold growth.

Based on findings of this evaluation, it is unlikely that activities or events during the Oklahoma Army National Guard's use of the property have resulted in a significant adverse environmental impact.

RECOMMENDATIONS

It is the recommendation of this assessment that the facility should be inspected for asbestos containing materials (ACM) and harmful molds.

APPENDICES

APPENDIX A: *ASSESSMENT PURPOSE and SCOPE/LIMITATIONS*

APPENDIX B: *METHODOLOGY*

APPENDIX C: *RECONNAISSANCE PHOTOGRAPHS*

APPENDIX D: *FACILITY MAP*

APPENDIX A

ASSESSMENT PURPOSE and SCOPE/LIMITATIONS

PURPOSE

It is in the best interest of the OMD and the OKARNG to evaluate the current condition of the property, document any recognized environmental conditions, and prepare a record of the assessment.

This Limited Environmental Baseline Assessment was conducted to gather contemporary environmental data and preserve it in a manner consistent with customary professional practice. It is not intended to fulfill requirements of any recognized guidance document. No recommendations may be reached based solely upon the content of this Limited Environmental Baseline Assessment.

SCOPE and LIMITATIONS

This assessment is exclusively limited to investigation and evaluation of the subject property based on visual observation of the property and appurtenances. Recognized environmental conditions identified on the subject property or on those abutting properties were documented in written form and photographed (whenever possible) for record (included as Appendix C, Reconnaissance Photographs).

The assessment did not include any of the following commonly used elements:

- Historical Document Evaluation (inspection records, aerial photographs, topographic maps, etc.), or
- Media sample collection and laboratory analyses, or

Those areas not readily accessible to the assessor (building roofs, drainage devices, and etcetera) were not evaluated unless otherwise stated. No conclusions may be reached concerning their condition.

APPENDIX B
METHODOLOGY

METHODOLOGY

The investigation process was conducted as follows:

- A pedestrian survey of the property perimeter (as judged feasible).
- A pedestrian survey of the property. Using a perimeter fence as reference, the assessor traversed the property repeatedly on 20 (twenty) foot intervals by walking in a straight line parallel to the reference fencing (as allowed by obstacles).
- Visual examination of the exterior and interior of all buildings, sheds, (as accessible), and storage areas.

Recognized environmental conditions identified at the subject property were photographed for record (whenever possible).

APPENDIX C

RECONNAISSANCE PHOTOGRAPHS



Photo #1
Welding Machine on Drill Floor
25 October 2005: View to S



Photo #2
Cutting Torch on Drill Floor
25 October 2005: View to S



Photo #3
Poor Roof Condition above Drill Floor
25 October 2005: View to W



Photo #4
Water Damage in Motor Pool
25 October 2005: View to S



Photo #5
Water Damage in Motor Pool
25 October 2005: View to S



Photo #6
Water Damage in Motor Pool
25 October 2005: View to S



Photo #7
Water Damage on Exterior of Facility
25 October 2005: View to S



Photo #8
Empty Container
25 October 2005: View to N



Photo #9
POLs Outside of Facility
25 October 2005: View to W



Photo #10
Drum Containing POLs
25 October 2005: View to N



Photo #11
Allen Public Schools FFA Using Facility
25 October 2005: View to E



Photo #12
Water Damage on Exterior of Facility
25 October 2005: View to S



Photo #13
Exterior of Facility
25 October 2005: View to SE



Photo #14
Exterior of Facility
25 October 2005: View to NE



Photo #15
Exterior of Facility and Greenhouse
25 October 2005: View to N



Photo #16
Exterior of Facility and Scrap Metal
25 October 2005: View to SE



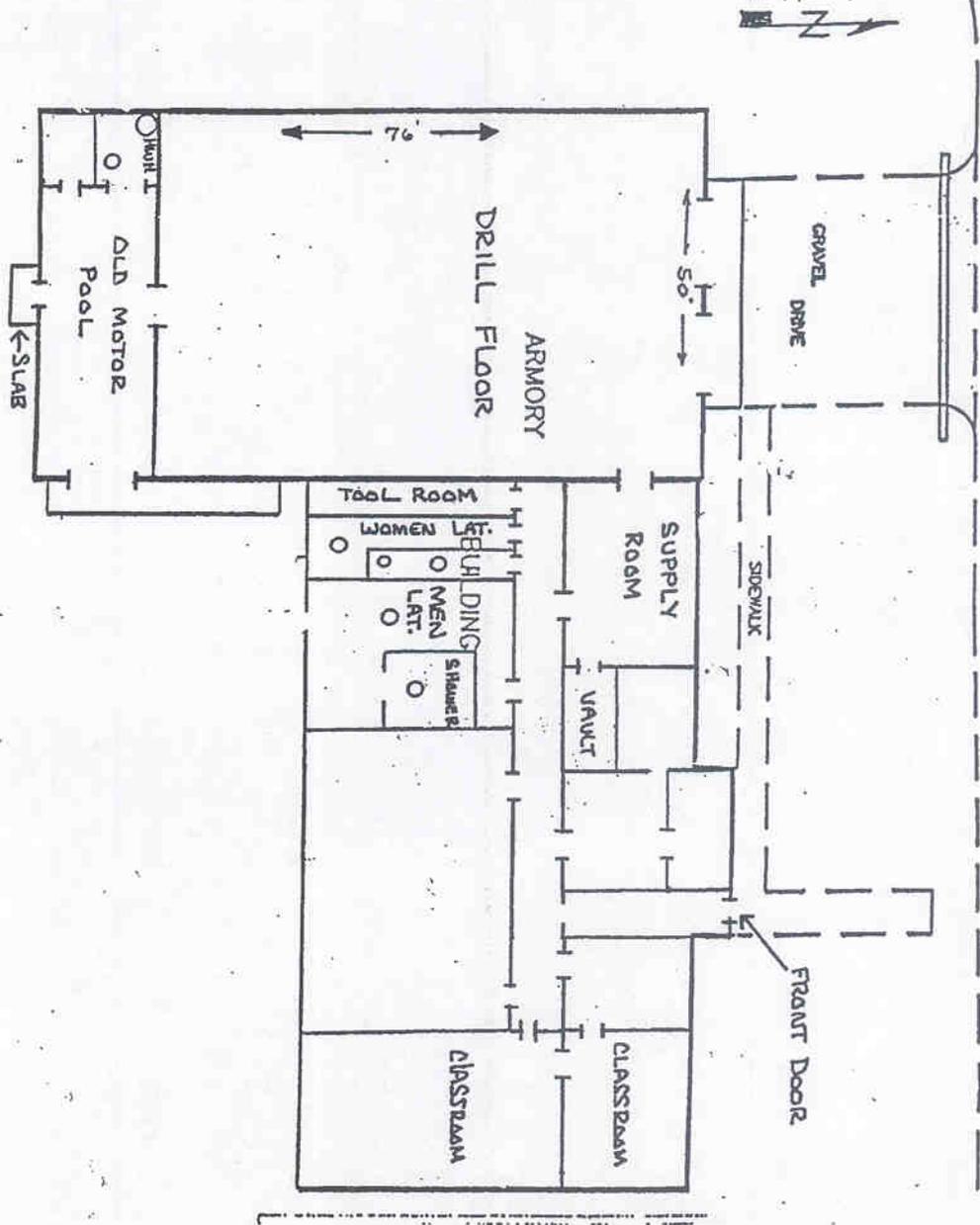
Photo #17
Exterior of Facility and Scrap Metal
25 October 2005: View to W



Photo #18
Exterior of Facility
25 October 2005: View to SW

APPENDIX D

FACILITY MAP



ALLEN ARMORY
ALLEN, OKLAHOMA

BUILT:
Drill Floor: 1946
ADMIN: 1957

VISIT: 4 JUNE 1996

○ - FLOOR DRAIN
⊕ - oil stain

APPENDIX D

PAINT CHIPS

Sample Number: 405419
Project Code: SW-SX
Agency Number:
Date Collected: 09/14/2006
Time Collected: 1531
Date Received: 09/18/2006
Date Completed: 10/10/2006
Collected By: HM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2006

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: HEATHER MALLORY/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method
Lead, XRF		210	MG/KG	10/06/06	6200

Labs performing analysis on this Sample:

Metals

SOURCE: ALLEN ARMORY

SAMPLERS COMMENTS:

OMP-8; OLD MOTOR POOL WHITE PAINT SAMPLE

ANALYST'S COMMENTS:



Jeffrey Franklin
State Environmental Laboratory

* ANALYST

Sample Number: 405420
Project Code: SW-SX
Agency Number:
Date Collected: 09/14/2006
Time Collected: 1534
Date Received: 09/18/2006
Date Completed: 10/10/2006
Collected By: HM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2006

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: HEATHER MALLORY/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method
Lead, XRF		4360	MG/KG	10/06/06	6200

Labs performing analysis on this Sample:

Metals

SOURCE: ALLEN ARMORY

SAMPLERS COMMENTS:

OMP-5; OLD MOTOR POOL GRAY METAL PAINT CHIPS FROM FLOOR

ANALYST'S COMMENTS:


Jeffrey Franklin
State Environmental Laboratory

*

* ANALYST _____

DEQ ASBESTOS SAMPLE RESULTS



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

State of Oklahoma
Dept. of Environmental Quality
707 N. Robinson
Oklahoma City, OK 73102

Re: Quantem ID 142084

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 142084	Client:	State of Oklahoma
Account Number: A795		Dept. of Environmental Quality
Date Received: 09/20/2006		707 N. Robinson
Received By: Shana Shanto		Oklahoma City, OK 73102
Date Analyzed: 09/25/2006	Project:	Allen Armory
Analyzed By: Joe Melton	Project Location:	Allen, OK
Methodology: EPA 600	Project Number:	N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
001	SR-1	Homogeneous	Brown Pipe Wrap	Asbestos Not Present	Cellulose 70 Synthetic 15
002	SR-2	Homogeneous	Gray Window Glazing	Asbestos Not Present	Cellulose <1
003	UR-3	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA
004	UR-4	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20 Crocidolite 2	NA
005	OR-6	Layered	Gray Floor Tile	Asbestos Present Chrysotile 15	NA
005a			Black Mastic	Asbestos Not Present	Cellulose 3
006	OR-7	Homogeneous	Gray Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30

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). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. 1 (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. 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.

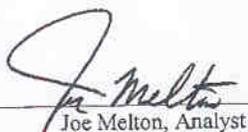


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 142084	Client:	State of Oklahoma
Account Number: A795		Dept. of Environmental Quality
Date Received: 09/20/2006		707 N. Robinson
Received By: Shana Shanto		Oklahoma City, OK 73102
Date Analyzed: 09/25/2006	Project:	Allen Armory
Analyzed By: Joe Melton	Project Location:	Allen, OK
Methodology: EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
007	OMP-9	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 55


Joe Melton, Analyst

9/25/2006
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). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. 1 (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. 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) 822-1650 (405) 755-7272 Fax: (405) 755-2058
 www.quantem.com



Company Name: Oklahoma Dept. of Enviro. Quality Acct. #: _____
 Project Name: Allen Armory
 Project Location: Allen, OK Project Number: _____

Sample Number	To Be Analyzed	Color / Description	Volume / Area (if applicable)	Comments
SR-1		Pipe wrap		
SR-2		Window glazing cap		
SR-3		taxi floor tile, mastic		
SR-4		Large heating pipe		
OR-6		gr 90 floor tile, mastic		
OR-7		Ceiling tile		
OR-9		Wall board		

TURNAROUND TIME

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

LEGAL DOCUMENT
Please Print Legibly

<input checked="" type="checkbox"/> Bulk Analysis (per specification)	PLM
400 Point Count	
1000 Point Count	
Gravimetric Preparation Fee	
Other	

<input type="checkbox"/> Drinking Water - EPA 100.0	TEM
<input type="checkbox"/> Waste Water - EPA 8004-83-043	
Other	

CONTACT INFORMATION

Name: Heather Malloy

Phone: 708-5113

Report Results VIA (CHOOSE ONE):

FAX: _____

Quant EM Website: _____

E-Mail: Heather.Malloy@dog.state.ok.us

Saturday FedEx Shipping - CALL TO SCHEDULE
 Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
 Mark Package 'HOLD FOR SATURDAY PICKUP'

**MARSHALL ENVIRONMENTAL MANAGEMENT
ASBESTOS AND LEAD-BASED PAINT
SAMPLE RESULTS**

41

**LEAD-BASED PAINT INSPECTION REPORT
FOR**

Allen Armory

903 North Paul Street

Allen, Oklahoma

October 26, 2006

Services Provided for:

Oklahoma Department of Environmental Quality
Land Protection Division
707 N. Robinson
Oklahoma City, OK 73102

Certified Industrial Hygiene Services Provided By:

Marshall Environmental Management, Inc.
1145 SW 74th Street, E-300
Oklahoma City, OK 73139
(405) 616-0401

CERTIFICATION

This is to certify that the Lead-Based Paint Inspection conducted at the Allen Armory Located at 903 North Paul Street in Allen Oklahoma (Year of Construction: 1953) on October 26, 2006 was conducted in accordance with "*Good Industrial Hygiene Practice.*" The results of the testing accurately reflect the condition of the property at the time the sampling was performed.

Current Owner Information

State of Oklahoma

Certified Lead Based Paint Risk Assessor/Inspector

Brice Semrad, Sr. Industrial Hygienist
Certified Lead-Based Paint Inspector/Risk Assessor OKRASR13046

Certified Lead-Based Paint Firm #OKFIRM11160

Marshall Environmental Management, Inc.

1145 SW 74th E-300

Oklahoma City, Oklahoma 73139

(405) 616-0401

XRF Information

Niton XLp Spectrum Analyzer

Model #XLp 300A

Serial #12585

Source: 40 mCi

Executive Summary:

Sampling Methodology:

Lead based paint (LBP) testing was done to determine lead levels on painted structural building components at the Allen Armory. Each room of the Building was numbered on a floor plan that is provided in the Appendix. The front side of the Armory Building was marked "Side A" and going in a clockwise motion the remaining sides were categorized as Sides B, C, and D, respectively.

The building is a one-story structure constructed on a concrete slab foundation with an asphalt composite flat roof over half and transite pitched roof over the Drill Floor. Concrete brick covers the side of the Building. All of the upper trims are wood. All of the windows are metal. Throughout the building were concrete floors, walls, and windowsills. The roof was constructed with wood rafters and decking with asphalt on top.

The findings from the XRF testing indicated that there is lead-based paint in amounts greater than the EPA Standard for XRF readings or equal to 1.0 mg/cm² located on the Building components.

The following locations contain lead-based paint:

1. Site #17 Old Motor Pool Overhead Door and Frame
2. Site #18 Drill Floor Overhead Door and Frame
3. Site #18 Drill Floor Overhead Silver Structural Steel

Please note that the following items were not tested in this inspection:

1. Non-painted floors
2. Non-fixed Items on the property

ROOM LEGEND

<u>Site</u>	<u>Current Use</u>
1	Supply Room
2	Vault
3	Storage Behind Vault
4	Secretary Office
5	Office
6	Main Entrance Hall
7	Office
8	Classroom
9	Classroom
10	Activity Room
11	Men's Restroom
12	Men's Shower
13	Hallway
14	House Keeping
15	Woman's Restroom
16	Tool Room
17	Old Motor Pool
18	Drill Floor
Blank	Outside

CERTIFICATES

Department of Environmental Quality

This is to Certify That

BRICE SEMRAD

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

INSPECTOR/RISK ASSESSOR

Certification #: OKRASR13046

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

Issued on: **4/1/2006**

Expires on: **3/31/2007**



Division Director
Air Quality Division



Environmental Programs Manager
Air Quality Division

Department of Environmental Quality

MARSHALL ENVIRONMENTAL MANAGEMENT

This is to Certify That

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

FIRM

Certification # OKFIRM11160

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

Issued on: 4/1/2006

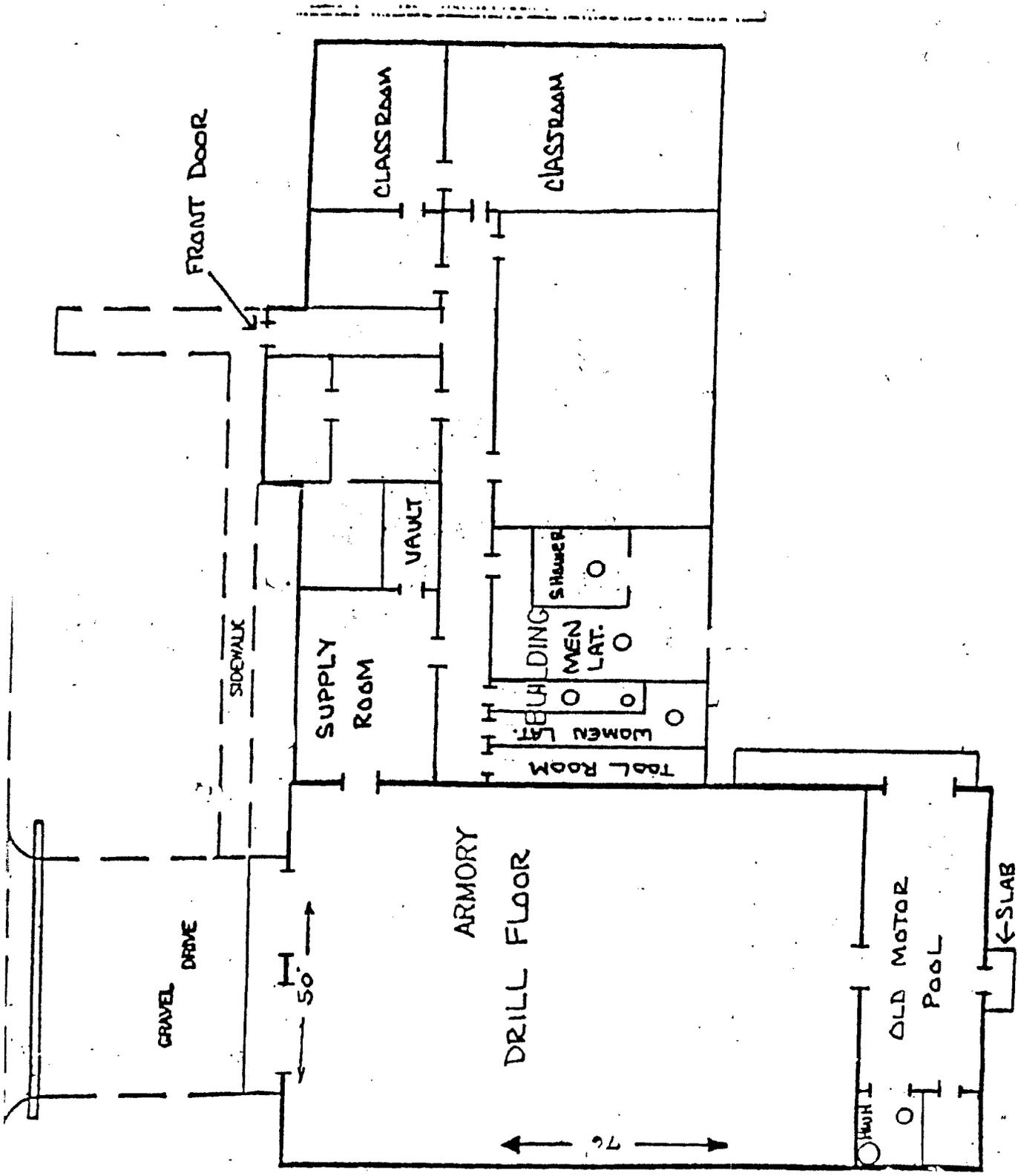
Expires on: 3/31/2007



[Signature]
Division Director
Air Quality Division

[Signature]
Environmental Programs Manager
Air Quality Division

SITE MAP



XRF READINGS

10/14/2010 10:14:50 AM

IN	PAINT	WALL	CONCRETE	C	INTACT	WHITE	5	OFFICE	Negative	100	<LOD 0.05	<LOD 2.24
39	PAIN	WALL	CONCRETE	D	INTACT	WHITE	5	OFFICE	Negative	100	<LOD 0.05	<LOD 2.00
40	PAIN	WINDOW	METAL	B	INTACT	WHITE	5	OFFICE	Negative	100	LOD 0.21	<LOD 4.01
41	PAIN	INTERIOR WINDOW	WOOD	C	INTACT	WHITE	5	OFFICE	Negative	100	LOD 0.75	LOD 1.58
42	PAIN	CEILING	THUF	UPPER	INTACT	WHITE	5	OFFICE	Negative	100	<LOD 0.05	LOD 0.90
43	PAIN	CEILING/STAIN	WOOD	UPPER	INTACT	WHITE	6	FRANCE HALL	Negative	100	<LOD 1.52	<LOD 1.52
44	PAIN	CEILING	WOOD	UPPER	INTACT	WHITE	6	FRANCE HALL	Negative	100	LOD 0.17	<LOD 1.71
45	PAIN	WALL	CONCRETE	A	INTACT	BEIGE	6	FRANCE HALL	Negative	100	LOD 0.05	<LOD 1.75
46	PAIN	WALL	CONCRETE	B	INTACT	BEIGE	6	FRANCE HALL	Negative	100	<LOD 1.02	<LOD 1.02
47	PAIN	WALL	CONCRETE	C	INTACT	BEIGE	6	FRANCE HALL	Negative	100	LOD 0.04	<LOD 2.04
48	PAIN	WALL	CONCRETE	D	INTACT	BEIGE	6	FRANCE HALL	Negative	100	LOD 0.05	LOD 1.68
49	PAIN	DOOR	METAL	A	INTACT	BLACK	6	FRANCE HALL	Negative	100	<LOD 0.25	LOD 4.78
50	PAIN	DOOR FRAME	METAL	A	INTACT	BLACK	6	FRANCE HALL	Negative	100	LOD 0.28	LOD 5.78
51	PAIN	DOOR FRAME	METAL	C	INTACT	BLACK	6	FRANCE HALL	Negative	100	<LOD 0.22	<LOD 3.70
52	PAIN	DOOR	METAL	C	INTACT	BLACK	6	FRANCE HALL	Negative	100	LOD 0.16	LOD 7.70
53	PAIN	DOOR	METAL	C	INTACT	BLACK	7	OFFICE	Negative	100	LOD 0.09	LOD 3.60
54	PAIN	DOOR FRAME	METAL	C	INTACT	BLACK	7	OFFICE	Negative	100	LOD 0.11	<LOD 3.90
55	PAIN	WALL PANEL	WOOD	A	INTACT	TAN	7	OFFICE	Negative	100	<LOD 0.06	LOD 1.98
56	PAIN	WALL PANEL	WOOD	B	INTACT	TAN	7	OFFICE	Negative	100	LOD 0.10	LOD 1.54
57	PAIN	WALL PANEL	WOOD	C	INTACT	TAN	7	OFFICE	Negative	100	LOD 0.08	<LOD 1.95
58	PAIN	WALL PANEL	WOOD	D	INTACT	TAN	7	OFFICE	Null	100	<LOD 0.17	<LOD 6.00
59	PAIN	WALL PANEL	WOOD	D	INTACT	TAN	7	OFFICE	Negative	100	<LOD 0.13	<LOD 1.95
60	PAIN	WALL PANEL	WOOD	A	INTACT	TAN	8	CLASSROOM	Negative	100	LOD 0.16	<LOD 2.11
61	PAIN	WALL PANEL	WOOD	B	INTACT	TAN	8	CLASSROOM	Null	100	LOD 0.17	<LOD 5.70
62	PAIN	WALL PANEL	WOOD	B	INTACT	TAN	8	CLASSROOM	Negative	100	LOD 0.10	<LOD 1.80
63	PAIN	WALL PANEL	WOOD	C	INTACT	TAN	8	CLASSROOM	Negative	100	<LOD 0.05	<LOD 1.70
64	PAIN	WALL PANEL	WOOD	D	INTACT	TAN	8	CLASSROOM	Negative	100	<LOD 0.05	<LOD 1.73
65	PAIN	DOOR	METAL	C	INTACT	STEIN	8	CLASSROOM	Negative	100	LOD 0.05	<LOD 1.61
66	PAIN	DOOR FRAME	METAL	C	INTACT	BLACK	8	CLASSROOM	Negative	100	LOD 0.07	LOD 2.73
67	PAIN	DOOR FRAME	WOOD	B	INTACT	TAN	9	CLASSROOM	Negative	100	<LOD 0.05	<LOD 1.12
68	PAIN	DOOR	WOOD	B	INTACT	TAN	9	CLASSROOM	Negative	100	LOD 0.05	LOD 1.28
69	PAIN	WALL PANEL	WOOD	A	INTACT	TAN	9	CLASSROOM	Negative	100	<LOD 0.05	LOD 1.89
70	PAIN	WALL PANEL	WOOD	B	INTACT	TAN	9	CLASSROOM	Negative	100	LOD 0.10	<LOD 1.65
71	PAIN	WALL PANEL	WOOD	C	INTACT	TAN	9	CLASSROOM	Negative	100	<LOD 0.13	<LOD 1.50
72	PAIN	WALL PANEL	WOOD	D	INTACT	TAN	9	CLASSROOM	Negative	100	LOD 0.04	<LOD 1.80
73	PAIN	WALL PANEL	WOOD	D	INTACT	TAN	9	CLASSROOM	Negative	100	<LOD 0.10	LOD 1.80
74	PAIN	WINDOW	METAL	C	INTACT	TAN	9	CLASSROOM	Negative	100	LOD 0.20	LOD 4.25

Item #	Material	Area	Color	Notes	Quantity	Unit	Notes	Notes	Notes
75	PAINT WALL	CONCRETE	WHITE	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 2.89	<LOD 2.89
76	PAINT WALL	CONCRETE	WHITE	ACTIVITY ROOM	1.00	sq ft	Null	<LOD 0.37	<LOD 5.40
77	PAINT WALL	CONCRETE	WHITE	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 0.21	<LOD 2.33
78	PAINT WALL	CONCRETE	WHITE	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 0.45	<LOD 2.80
79	PAINT WALL	CONCRETE	WHITE	ACTIVITY ROOM	1.00	sq ft	Negative	0.30 ± 0.17	<LOD 1.88
80	PAINT DOOR	METAL	BLACK	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 0.15	<LOD 0.91
81	PAINT DOOR	METAL	BLACK	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 0.16	<LOD 0.77
82	PAINT FLOOR	CONCRETE	YELLOW	ACTIVITY ROOM	1.00	sq ft	Negative	<LOD 0.07	<LOD 2.87
83	PAINT WALL	CONCRETE	YELLOW	MENS RESTROOM	1.00	sq ft	Negative	0.50 ± 0.10	<LOD 1.11
84	PAINT WALL	CONCRETE	YELLOW	MENS RESTROOM	1.00	sq ft	Negative	0.25 ± 0.07	<LOD 1.26
85	PAINT WALL	CONCRETE	YELLOW	MENS RESTROOM	1.00	sq ft	Null	<LOD 1.29	<LOD 10.80
86	PAINT WALL	CONCRETE	YELLOW	MENS RESTROOM	1.00	sq ft	Negative	<LOD 0.75	<LOD 0.63
87	PAINT WINDOW	METAL	YELLOW	MENS RESTROOM	1.00	sq ft	Negative	0.28 ± 0.06	<LOD 0.60
88	PAINT WINDOW	METAL	YELLOW	MENS RESTROOM	1.00	sq ft	Negative	<LOD 0.23	<LOD 1.85
89	PAINT FLOOR	WOOD	BROWN	MENS RESTROOM	1.00	sq ft	Negative	0.50 ± 0.36	<LOD 3.26
90	PAINT WALL	CONCRETE	BLUE	MENS RESTROOM	1.00	sq ft	Negative	<LOD 0.26	<LOD 2.19
91	PAINT BESETH	WOOD	PAN	MENS SHOWER	1.00	sq ft	Negative	<LOD 0.69	<LOD 2.02
92	PAINT FLOOR	WOOD	BLUE	MENS SHOWER	1.00	sq ft	Negative	<LOD 0.45	<LOD 1.65
93	PAINT WALL	WOOD	BLUE	MENS SHOWER	1.00	sq ft	Negative	<LOD 0.05	<LOD 2.02
94	PAINT WALL	CONCRETE	BEIGE	MAIN HALL	1.00	sq ft	Negative	0.29 ± 0.08	<LOD 1.50
95	PAINT WALL	CONCRETE	BEIGE	MAIN HALL	1.00	sq ft	Negative	0.28 ± 0.14	<LOD 1.87
96	PAINT WALL	CONCRETE	BEIGE	MAIN HALL	1.00	sq ft	Negative	0.08 ± 0.04	<LOD 0.60
97	PAINT DOOR	METAL	BLUE	MAIN HALL	1.00	sq ft	Negative	0.72 ± 0.68	<LOD 1.07
98	PAINT DOOR	METAL	BLUE	MAIN HALL	1.00	sq ft	Negative	<LOD 0.21	<LOD 3.83
99	PAINT BESETH	METAL	BLUE	MAIN HALL	1.00	sq ft	Negative	<LOD 0.25	<LOD 3.97
100	PAINT BESETH	METAL	WHITE	MAIN HALL	1.00	sq ft	Negative	<LOD 0.05	<LOD 4.15
101	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.03	<LOD 3.55
102	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.08	<LOD 1.80
103	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.15	<LOD 1.98
104	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.16	<LOD 2.29
105	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.11	<LOD 1.55
106	PAINT WALL	CONCRETE	WHITE	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.17	<LOD 2.08
107	PAINT WALL	CONCRETE	GREEN	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.05	<LOD 1.87
108	PAINT WALL	CONCRETE	GREEN	HOUSE KEEPING ROOM	1.00	sq ft	Negative	<LOD 0.03	<LOD 2.87
109	PAINT WALL	CONCRETE	YELLOW	WOMENS RESTROOM	1.00	sq ft	Negative	<LOD 0.05	<LOD 1.83
110	PAINT WALL	CONCRETE	YELLOW	WOMENS RESTROOM	1.00	sq ft	Negative	<LOD 0.05	<LOD 1.83
111	PAINT WALL	CONCRETE	YELLOW	WOMENS RESTROOM	1.00	sq ft	Negative	<LOD 0.05	<LOD 1.83

Lot #	Color	Material	Surface	Condition	Result	Yield	LOD
151	PAINT	OVERHEAD DOOR FRM	METAL	POOR	YELLOW	1.00	<LOD: 0.61
152	PAINT	DOOR	METAL	POOR	YELLOW	1.00	<LOD: 0.61
153	PAINT	DOOR FRAME	METAL	POOR	YELLOW	1.00	<LOD: 0.61
154	PAINT	WINDO W SH	CONCRETE	FAIR	YELLOW	1.00	<LOD: 0.61
155	PAINT	WINDO W SH	METAL	FAIR	YELLOW	1.00	<LOD: 0.61
156	PAINT	FRM	WOOD	POOR	WHITE	1.00	<LOD: 0.61
157	PAINT	FRM DOOR	WOOD	POOR	WHITE	1.00	<LOD: 0.61
158	PAINT	WINDO W	CONCRETE	POOR	YELLOW	1.00	<LOD: 0.61
159	PAINT	WINDO W	METAL	POOR	YELLOW	1.00	<LOD: 0.61
160	PAINT	DRCH LOGO FLOOR	CONCRETE	POOR	YELLOW	1.00	<LOD: 0.61
161	PAINT	DRCH LOGO FLOOR	CONCRETE	POOR	YELLOW	1.00	<LOD: 0.61
162	PAINT	DRCH LOGO DOOR	CONCRETE	POOR	RED	1.00	<LOD: 0.61
163	PAINT	DRCH LOGO DOOR	CONCRETE	POOR	YELLOW	1.00	<LOD: 0.61
164	PAINT						
165	PAINT						
166	PAINT						
167	PAINT	CILING BEAMS	METAL	FAIR	SHYER	1.00	1.10 ± 0.16
168	PAINT	CILING BEAMS	METAL	FAIR	SHYER	1.00	1.00 ± 0.19
169	PAINT	CILING BEAMS BR	METAL	FAIR	SHYER	1.00	1.30 ± 0.30
170	PAINT	CILING BEAMS	METAL	FAIR	SHYER	1.00	<LOD: 5.70
171	PAINT	ROOM	WOOD	POOR	WHITE	1.00	<LOD: 6.90
172	PAINT	FRM	WOOD	POOR	WHITE	1.00	6.19 ± 4.00
173	PAINT	FRM	WOOD	POOR	WHITE	1.00	2.90 ± 1.40
174	PAINT	FRM	WOOD	POOR	WHITE	1.00	1.50 ± 0.50
175	PAINT	FRM	WOOD	POOR	RED	1.00	0.50 ± 0.30
176	PAINT	FRM	WOOD	POOR	RED	1.00	0.70 ± 0.30
177	PAINT	OVERHEAD DOOR FRM	METAL	POOR	WHITE	1.00	<LOD: 0.03
178	PAINT	OVERHEAD DOOR FRM	METAL	POOR	WHITE	1.00	1.00 ± 0.64
179	PAINT	OVERHEAD DOOR FRM	METAL	POOR	WHITE	1.00	<LOD: 0.75
180	PAINT	WINDO W	METAL	POOR	WHITE	1.00	<LOD: 7.56
181	PAINT	GREEN HOUSE FRAME	METAL	POOR	YELLOW	1.00	4.20 ± 2.76
182	PAINT	GREEN HOUSE FRAME	METAL	POOR	YELLOW	1.00	<LOD: 0.25
183	PAINT	GREEN HOUSE FRAME	METAL	POOR	YELLOW	1.00	1.00 ± 0.63
184	PAINT	GREEN HOUSE FRAME	METAL	POOR	YELLOW	1.00	<LOD: 0.07
185	PAINT						1.20 ± 0.16
186	PAINT						1.19 ± 0.10
187	PAINT						<LOD: 0.00
188	PAINT						0.60 ± 0.26

ASBESTOS INSPECTION REPORT

ALLEN ARMORY

903 N. Paul Street

Allen, Oklahoma 74825

October 26th, 2006

Services Provided For:

Oklahoma Department of Environmental Quality

Land Protection Division

707 North Robinson

Oklahoma City, OK 73102

Asbestos Inspection Services Provided By:

Marshall Environmental Management, Inc.

1145 SW 74th Street, Building E, Suite 300

Oklahoma City, Ok 73139

(405) 616-0401

TABLE OF CONTENTS

I.	CERTIFICATION	3
II.	LIMITATIONS OF SURVEY	4
III.	EXECUTIVE SUMMARY	5
IV.	REGULATORY REVIEW	6
V.	HISTORICAL OVERVIEW OF ASBESTOS ACTIVITIES	9
VI.	RESULTS OF THE ASBESTOS INSPECTION	10
VII.	ASBESTOS INSPECTION-CONCLUSIONS & FINDINGS	13
VIII.	RECOMMENDATIONS	15

LIST OF TABLES

Table 1 - Summary of Sampling Data for Samples that were Positive for Asbestos Content

APPENDIX

ASBESTOS SAMPLING TEST RESULTS

CHAIN OF CUSTODY FORMS

SUMMARY OF ESTIMATED QUANTITIES OF ACM

ARMORY FLOOR PLAN

II. LIMITATIONS OF SURVEY

This Inspection was conducted within the limitations of budgetary constraints, cost, time, and scope and reflects a limited investigation and evaluation. Physical limitations of facility construction may have, in some cases, prevented the complete inspection of hidden or inaccessible building materials and substrates. Inaccessible Asbestos Containing Building Materials (ACM) were not inspected. Locations with high potential for disturbance, or locations presenting a hazard to the inspectors, or the Armory staff or visitors were also not inspected at this time. Additional inspections should be conducted whenever the Owner anticipates conducting demolition or renovation work. Plans for the abatement of friable asbestos should only be developed by an Oklahoma State Department of Labor (ODOL) Licensed Asbestos Project Designer. Additional sampling may be required to support the planning for asbestos abatement work.

Our Investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by professional consultants practicing in this or similar localities. The findings of this Report are valid as of the date of the investigation. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Professional services have been performed, results obtained and reported in accordance with generally accepted principles and practices. No other representations either expressed or implied are made. Thus, Marshall Environmental Management, Inc. is not responsible for independent conclusions, opinions, or recommendations made by others based on field inspections and other data presented in this report.

III. EXECUTIVE SUMMARY

The Oklahoma Department of Environmental Quality (DEQ) Land Protection Division (LPD) requested that the Oklahoma Department of Central Services (DCS) provide a Licensed Asbestos Inspection Firm to evaluate the locations and conditions of Asbestos Containing Materials (ACM) in the Allen Armory located at 903 North Paul Street located in Allen Oklahoma.

Marshall Environmental Management, Inc. (MEM) was contracted by DCS to conduct an Asbestos Inspection for the ODEQ at the Allen Armory. The Asbestos Inspection was conducted on October 26, 2006. A total of twenty-three (23) asbestos samples were analyzed in accordance with the EPA authorized Method 600 49 CFR Part 61 Subpart M, Asbestos NESHAPS Rules.

The Asbestos Inspection identified the presence of friable asbestos in all of the plumbing pipe insulation for hot and cold water supply. This type of insulated plumbing is referred to as Thermal System Insulation or (TSI). In this Armory, both the straight linear runs of pipe and all elbows and connections consist of ACM. Non-friable asbestos was also found in miscellaneous materials consisting of the older 9-inch by 9-inch floor tiles which have the black asbestos containing asphalt mastic associated with the floor tiles. Another miscellaneous form of non-friable asbestos was identified in the Inspection that consisted of the cement asbestos flue pipes (Transite) which are used to exhaust combustion products from space heaters and hot water tanks throughout the Armory. Many of these, such as those present in the Drill Floor, are abandoned. It should also be noted that the roof over the Drill Floor in the Armory Building is also composed of Transite.

The principal recommendations of the Asbestos Inspection Report consist of developing plans for a response action (i.e. Project Design) to abate the TSI insulation on the plumbing lines. It is recommended that while on-site, conducting the friable asbestos removal, the Licensed Asbestos Contractor should remove all asbestos floor tiles and the associated black asphalt asbestos containing mastic located in the Armory Storage Room.

IV. REGULATORY REVIEW

The Allen Armory Building was constructed prior to 1950. The Armory Building was constructed in the era when asbestos was used in construction and installed in certain building components. In 1994, the Occupational Safety and Health Administration (OSHA) required employers to identify asbestos containing building materials (ACM) in pre-1980 construction as part of its Standard for Occupational Exposure to Asbestos in Construction (29 CFR 1926.1101). This OSHA standard covers maintenance, repair and removal functions involving ACM or Presumed ACM (PACM). Without asbestos identification surveys, owners and/or operators must treat suspected ACM as asbestos. In such cases, this is referred to as presumed ACM or PACM. One of the purposes of the Asbestos Survey was to identify the types of ACM present in the various building components.

The Oklahoma Department of Labor (ODOL) regulates the Hazard Communication requirements for public employees as part of the ODOL Public Employees Occupational Safety and Health (PEOSH) Program. The State of Oklahoma Hazard Communication Standard (HAZCOM), revised as of August 2006, is provided for in OAC 380 Chapter 45. [http://www.state.ok.us/~okdol/peosh/PEOSHTitle%20380-45%20\(8-06\).pdf](http://www.state.ok.us/~okdol/peosh/PEOSHTitle%20380-45%20(8-06).pdf)

Specific provisions of the Standard (OAC: 45-15-1) addresses an Asbestos Notice and Labeling requirement. The Labeling requirements specify that various equipment, such as pipe insulation and equipment with asbestos insulation (e.g. HVAC equipment), as well as room locations where asbestos is present, such as mechanical rooms, be provided with an Asbestos Warning Label. These labels are to be readily visible and include the following warning:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID BREATHING DUST
CANCER AND LUNG DISEASE HAZARD

Section 380:45-15-2 requires a Notice to Employees when ACM is used in acoustical materials on ceilings and walls. This type of ACM is referred to as Surfacing Material.

The U.S. Environmental Protection Agency (EPA) requires inspections in schools grades K through 12, as part of the Asbestos Hazard and Emergency Response Act (AHERA), which is authorized in 40 CFR 763.6. These AHERA requirements would only be applicable to the Armory in the case that the future use of the Armory Facility would include any use by a Local Educational Authority (LEA), such as a school grades K through 12. The AHERA inspection protocol requires a thorough sampling of all forms of asbestos. The types of ACM to be assessed as part of an AHERA Inspection include:

Thermal System Insulation (TSI) – found on plumbing lines, HVAC equipment, boilers and steam lines

Surfacing Materials (SM) – blown on, textured or troweled onto building components (e.g. ceilings and beams)

Miscellaneous Materials (Misc.) – floor tile, mastics, ceiling tile, wallboard, cement asbestos boards, etc.

The AHERA sampling protocol addresses the systematic sampling of each of these forms of ACM and the identification of both friable ACM (i.e. that which can be rendered to a powder by hand pressure) and non-friable ACM, such as floor tiles and mastic. This Inspection also evaluated the condition of the ACM identified as good, damaged, or significantly damaged. No significantly damaged ACM was identified in the Inspection. The potential for disturbance of the ACM identified was indicated on the field inspection forms in accordance with the AHERA inspection protocol in order to assist with future Asbestos Management Planning efforts.

In addition to AHERA, the EPA regulates asbestos removal and land disposal requirements. These efforts are now administered by the Oklahoma Department of Environmental Quality (DEQ). Air quality regulations require the filing of advance notices of any demolition or renovation activities. These notices are referred to as a National Emission Standard for Hazard Air Pollutants (NESHAPS) Notice. Both historical and future asbestos abatement response actions track asbestos removal from the Armory to the DEQ approved landfill on a project by project basis as part of this NESHAP notification process.

The ODOL Asbestos Division regulates the abatement of asbestos in Oklahoma. Under the ODOL asbestos rule, OAC 380:50, only Licensed Contractors can perform asbestos abatement, develop management plans and project designs. All abatement supervisors, abatement workers, and asbestos inspectors must also be licensed by the Oklahoma State Department of Labor. It should be noted that the ODOL Asbestos Rules are currently undergoing a Rule Change process regarding the current ODOL Asbestos Rules.

One of the goals of the Asbestos Inspection was to identify the presence, types, and quantity of ACM within the Armory so that plans can be made to abate the asbestos, and therefore eliminate the need for any long term asbestos management requirements, such as those required by ODOL or the EPA AHERA regulations.

V. HISTORICAL OVERVIEW OF ASBESTOS ACTIVITIES

This Asbestos Inspection did not identify evidence of prior asbestos inspection work or previous abatement of friable ACM. No historical inspection records were available. As a result, this Asbestos Inspection took the approach of a thorough initial sampling of the Armory, as opposed to a re-inspection and confirmation sampling approach.

VI. RESULTS OF THE ASBESTOS INSPECTION

The DEQ LPD requested that the DCS provide a Licensed Asbestos Inspection Firm to perform an initial Asbestos Inspection of the Armory. Marshall Environmental Management, Inc. began a systematic inspection of the Armory on November 16, 2006 to locate and assess the condition of the suspected Asbestos Containing Materials in the facility. Each room was visually inspected by a Licensed AHERA Asbestos Inspector. All accessible locations throughout the Armory were visually inspected for suspected ACM.

Sampling consisted of taking bulk asbestos samples from each category of suspected ACM consisting of the following typical examples:

Surfacing Materials (SM) – blown on or troweled on ACM, typically observed on ceilings, structural steel, and concrete ceils or metal pan decks.

Thermal System Insulation (TSI) - typically located on plumbing, HVAC equipment, boilers, steam lines and heated thermal processes.

Miscellaneous Materials (Misc.) - typically consists of floor tiles, mastics, ceiling tiles, sheet vinyl flooring and wallboard bedding tapes and joint compounds, and other suspect ACM not typically included in Surfacing Materials or TSI designations.

A total of twenty-three (23) samples were collected and nine (9) were identified by laboratory testing to be “Positive” for asbestos content, which is defined by EPA regulations to consist of any material with more than 1% asbestos as determined by the EPA approved Test Method 0600 or Polarized Light Microscopy (PLM).

The following Table is a summary of the samples collected by location and type of building component. Locations where ACM was identified can be identified by referring to the facility floor plan diagram provided in the Appendix of this Inspection Report. A summary of the estimated quantities of ACM located during the Asbestos Inspection is provided in the Appendix.

Location	Sample ID	Type of ACM	Asbestos Content Type (%)	Condition - Item
Classroom	A-3	TSI	Chrysotile 8%	Good – Pipe lagging above Ceiling
Storage Room	A-8A	Misc. Floor Tile	Chrysotile 5%	Good – Gray 9-in x 9in Floor Tile
Storage Room	A-8B	Misc. Floor Tile	Chrysotile 5%	Good – Black Mastic from back of E-8A
Storage Room (Kitchen)	A-9	Misc. Sheet Vinyl	Chrysotile 25%	Good – Vinyl Floor Covering
Storage Room by Vault	A-12	TSI	Chrysotile 70%	Good – Elbow on Pipe
Storage Room by Vault	A-13	TSI	Chrysotile 5%	Good – TSI Straight Run of Air-Cell
Mechanical Room	A-14	TSI	Chrysotile 5%	Good – Tee Fitting over Hot Water Tank
Tool Room	A-15	TSI	Chrysotile 65%	Damaged – TSI Insulation
Motor Pool	A-21	Misc.	Chrysotile 60%	Good – Transite Flue Vent

Table 1 - Summary of Sampling Data for Samples that were Positive for Asbestos Content

Copies of the individual asbestos sample test results provided by the accredited testing lab, along with the chain of custody forms and several digital photos are provided for review in the Appendix of this Inspection Report.

VII. ASBESTOS INSPECTION – CONCLUSIONS AND FINDINGS

The results for this initial Asbestos Inspection did identify that ACM, both friable and non-friable forms, are present in the Allen Oklahoma Armory.

The following are some of the conclusions and findings related to the results of this initial Asbestos Inspection Report.

1. **Surfacing Materials** – No surfacing materials in the form of blown on fireproofing or acoustical insulation were observed for sampling at any of the accessible locations selected for sampling as a part of this initial Asbestos Inspection.

CONDITION OF SURFACING MATERIALS – No Surfacing Materials were found.

2. **Thermal System Insulation** – The predominant category of ACM identified in the Asbestos Inspection of the Allen Armory is found on Thermal System components consisting of water lines in the Mechanical Room and above the ceilings in the offices, classrooms of the Armory.

Plumbing – TSI, consisting of insulation on all piping, both linear runs of plumbing and all hard packed mud on elbows, valves and fittings contained 5-70% Chrysotile asbestos. The straight runs of Pipe are referred to as "Air-Cell" (a cellulose containing insulation), and the places where the insulation is joined by tape or at elbow and fittings are insulated with mudded plaster or ACM paste.

HVAC – No Friable ACM was identified on HVAC equipment or components, but some exhaust flues and/or abandoned exhaust flue vents were made of Transite.

CONDITION OF TSI – Good.

- 3. Miscellaneous Materials** – The predominant type of miscellaneous ACM located within the Allen Armory is the 9-inch by 9-inch non-friable asbestos containing floor tiles and the associated non-friable asbestos containing black asphalt mastics; each contains around 5% Chrysotile asbestos.

The other miscellaneous forms of asbestos consisted of the sheet of vinyl floor covering found in the Storage Room Area that may have once been used as a Kitchen. This material is regulated by the ODOL with specific abatement procedures outlined in OAC 380:50 23-1. In addition, non-friable Transite exhaust flues for space heaters and hot water tanks were identified in the Armory. Some of the exhaust pipes, such as those found in the Drill Floor Area, are abandoned.

CONDITION OF MISCELLANEOUS ACM –

Floor Tiles and Black Asphalt Mastic - Good

Kitchen Sheet Vinyl Floor Covering – Damaged

Transite Exhaust Flue Vents – Good

It should be noted that this Armory did not have an Indoor Firing Range.

VIII. RECOMMENDATIONS

This Asbestos Inspection Report should be considered as the initial step in a process to develop plans for asbestos abatement or an Armory Asbestos Management Plan.

The principal recommendations of the Asbestos Inspection Report consist of developing plans for a response action (i.e. Project Design) to abate the TSI insulation on the plumbing lines. It is recommended that while the Licensed Asbestos Contractor is on site conducting the friable asbestos removal, they shall also remove all the non-friable asbestos floor tiles and the associated black asphalt asbestos containing mastic located in the Armory Storage Room.

1. A Project Design needs to be developed to allow for the removal of the TSI consisting of the insulation on the full run of the pipes ("Air-Cell") and all hard mudpack on the plumbing components located in the Armory.
2. The Project Design should include the removal of the sheet vinyl floor covering located in the Kitchen in accordance with ODOL rules.
3. The Scope of Work for the Asbestos Response Action should include the requirement for the removal of all of the non-friable asbestos containing Floor Tiles and the asbestos containing Black Asphalt Mastic. The removal of non-friable Transite Exhaust Flues can also be accomplished so long as funds are provided for the corresponding repairs to the roof that would be needed if these items were removed.

APPENDIX

ASBESTOS SAMPLING TEST RESULTS

CHAIN OF CUSTODY FORMS

SUMMARY OF ESTIMATED QUANTITIES OF ACM

ARMORY FLOOR PLAN

Marshall Environmental Management, Inc.
1145 SW 74th Street, E-300
Oklahoma City, Oklahoma 73139
Phone: (405) 616-0401 Fax: (405) 972-0525

Date: 10/26/2006	Lab Accreditation: AIHA PAT ID #102334
Client: ODEQ - Land Protection Division 707 N. Robinson Oklahoma City, OK	Client Contact: Angela Brunzman
	Project Reference: Allen Armory

Sample ID	Sample Description	Results
A-1	<u>Location:</u> Class Room #1 <u>Color:</u> White <u>Type:</u> Misc <u>Note</u> Wallboard with Mold	<u>Asbestos Not Detected</u> 20% Cellulose 80% Calcareous Material Total Asbestos: None Detected
A-2A	<u>Location:</u> Mechanical Closet in Class Room #1 <u>Color:</u> White <u>Type:</u> Misc. <u>Note</u> Floor Tile	<u>Asbestos Not Detected</u> 60% Vinyl Aggregate 35% Calcareous Material 5% Cellulose Total Asbestos: None Detected
A-2A	<u>Location:</u> Mechanical Closet in Class Room #1 <u>Color:</u> White <u>Type:</u> Misc. <u>Note</u> Mastic	<u>Asbestos Not Detected</u> 100% Rubber Adhesive Total Asbestos: None Detected
A-3	<u>Location:</u> Classroom #1 Above Ceiling <u>Color:</u> White <u>Type:</u> TSI <u>Note</u> Good	<u>Asbestos Detected</u> 8% Chrysotile 92% Cellulose <u>Total Asbestos: 8%</u>

 Charles L. Marshall Ph.D., CIH

 DATE:

Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A Interim Method for Determination of Asbestos in Bulk Insulation Samples and/or Current EPA Method for the Analysis of Asbestos in Building Materials by Polarized Light Microscopy.

Marshall Environmental Management, Inc.

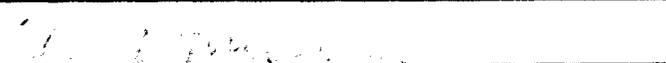
1145 SW 74th Street, E-300

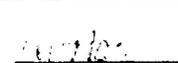
Oklahoma City, Oklahoma 73139

Phone: (405) 616-0401 Fax: (405) 972-0525

Date: 10/26/2006 **Lab Accreditation:** AIHA PAT ID #102334
Client: ODEQ - Land Protection Division **Client Contact:** Angela Brunzman
707 N. Robinson **Project Reference:** Allen Armory
Oklahoma City, OK

Sample ID	Sample Description	Results
A-8A	<u>Location:</u> Storage Room <u>Color:</u> Gray <u>Type:</u> Misc. <u>Note</u> Floor Tile	<u>Asbestos Detected</u> 5% Chrysotile 60% Calcareous Material 35% Vinyl Aggregate <u>Total Asbestos: 5%</u>
A-8B	<u>Location:</u> Storage Room <u>Color:</u> Gray <u>Type:</u> Misc. <u>Note</u> Mastic	<u>Asbestos Detected</u> 5% Chrysotile 95% Asphalt Mastic <u>Total Asbestos: 5%</u>
A-9	<u>Location:</u> Storage Room <u>Color:</u> Brown Marble <u>Type:</u> Misc. <u>Note</u> Vinyl Floor Covering	<u>Asbestos Detected</u> 25% Chrysotile 75% Vinyl Aggregate <u>Total Asbestos: 25%</u>
A-10	<u>Location:</u> Storage Room Area <u>Color:</u> White <u>Type:</u> Misc. <u>Note</u> Ceiling Tile	<u>Asbestos Not Detected</u> 40% Cellulose 40% Perlite 20% Fibrous Glass Total Asbestos: None Detected


Charles L. Marshall Ph.D., CIH

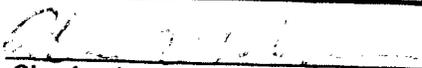

DATE:

Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A Interim Method for Determination of Asbestos in Bulk Insulation Samples and/or Current EPA Method for the Analysis of Asbestos in Building Materials by Polarized Light Microscopy.

Marshall Environmental Management, Inc.
 1145 SW 74th Street, E-300
 Oklahoma City, Oklahoma 73139
 Phone: (405) 616-0401 Fax: (405) 972-0525

Date: 10/26/2006
Client: ODEQ - Land Protection Division
 707 N. Robinson
 Oklahoma City, OK
Lab Accreditation: AIHA PAT ID #102334
Client Contact: Angela Brunzman
Project Reference: Allen Armory

Sample ID	Sample Description	Results
A-11	<u>Location:</u> Hallway <u>Color:</u> White <u>Type:</u> Misc. <u>Note</u> Floor Tile - no visible mastic	<u>Asbestos Not Detected</u> 40% Calcareous Materials 60% Vinyl Aggregate Total Asbestos: None Detected
A-12	<u>Location:</u> Storage Room by Vault <u>Color:</u> White <u>Type:</u> TSI <u>Note</u> Elbow	<u>Asbestos Detected</u> 70% Chrysotile 30% Cellulose Total Asbestos: 70%
A-13	<u>Location:</u> Storage Room by Vault <u>Color:</u> White <u>Type:</u> TSI <u>Note</u> Linear Run	<u>Asbestos Detected</u> 5% Chrysotile 95% Cellulose Total Asbestos: 5%
A-14	<u>Location:</u> Mechanical Room <u>Color:</u> White <u>Type:</u> TSI <u>Note</u> Painted Fitting	<u>Asbestos Detected</u> 5% Chrysotile 95% Cellulose Total Asbestos: 5%


 Charles L. Marshall Ph.D., CIH

DATE: _____

Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A Interim Method for Determination of Asbestos in Bulk Insulation Samples and/or Current EPA Method for the Analysis of Asbestos in Building Materials by Polarized Light Microscopy.

Marshall Environmental Management, Inc.
1145 SW 74th Street, E-300
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Phone: (405) 616-0401 Fax: (405) 972-0525

Date: 10/26/2006	Lab Accreditation: AIHA PAT ID #102334
Client: ODEQ - Land Protection Division 707 N. Robinson Oklahoma City, OK	Client Contact: Angela Brunsmann Project Reference: Allen Armory

Sample ID	Sample Description	Results
A-15	<u>Location:</u> Tool Room <u>Color:</u> White <u>Type:</u> TSI <u>Note</u> Damaged Insulation	<u>Asbestos Detected</u> 65% Chrysotile 35% Cellulose Total Asbestos: 65%
A-16	<u>Location:</u> Motor Pool <u>Color:</u> White <u>Type:</u> Misc <u>Note</u> Wallboard	<u>Asbestos Not Detected</u> 10% Cellulose 85% Calcareous Material 5% Cellulose Total Asbestos: None Detected
A-17	<u>Location:</u> Hallway <u>Color:</u> White <u>Type:</u> Misc <u>Note</u> Bedding Tape & Plaster	<u>Asbestos Not Detected</u> 10% Cellulose 85% Calcareous Material 5% Cellulose Total Asbestos: None Detected
A-18	<u>Location:</u> Motor Pool Area <u>Color:</u> White <u>Type:</u> Misc. <u>Note</u> Interior Window Caulking Compound	<u>Asbestos Not Detected</u> 100% Calcareous Material Total Asbestos: None Detected

 Charles L. Marshall Ph.D., CIH

 DATE:

Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A Interim Method for Determination of Asbestos in Bulk Insulation Samples and/or Current EPA Method for the Analysis of Asbestos in Building Materials by Polarized Light Microscopy.

Marshall Environmental Management, Inc.
 1145 SW 74th Street, E-300
 Oklahoma City, Oklahoma 73139
 Phone: (405) 616-0401 Fax: (405) 972-0525

Date: 10/26/2006

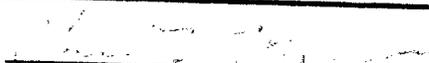
Lab Accreditation: AIHA PAT ID #102334

Client: ODEQ

Client Contact:

Project Reference: Allen Armory

Sample ID	Sample Description	Results
A19	<u>Location:</u> Motor Pool <u>Color:</u> White <u>Type:</u> Misc <u>Note</u> Bedding Tape Plaster	<u>Asbestos Not Detected</u> 5% Cellulose 95% Calcareous Material Total Asbestos: None Detected
A-20	<u>Location:</u> Exterior of Bldg. <u>Color:</u> White <u>Type:</u> Misc <u>Note</u> Exterior Window Panel Caulking	<u>Asbestos Not Detected</u> 50% Cellulose 95% Calcareous Material Total Asbestos: None Detected
A-21	<u>Location:</u> Motor Pool <u>Color:</u> Gray <u>Type:</u> Misc <u>Note</u> Flue Vent	<u>Asbestos Not Detected</u> 60% Chrysotile 40% Cementous Material Total Asbestos: 60%


 Charles L. Marshall Ph.D., CIH

DATE: _____

Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A Interim Method for Determination of Asbestos in Bulk Insulation Samples and/or Current EPA Method for the Analysis of Asbestos in Building Materials by Polarized Light Microscopy.

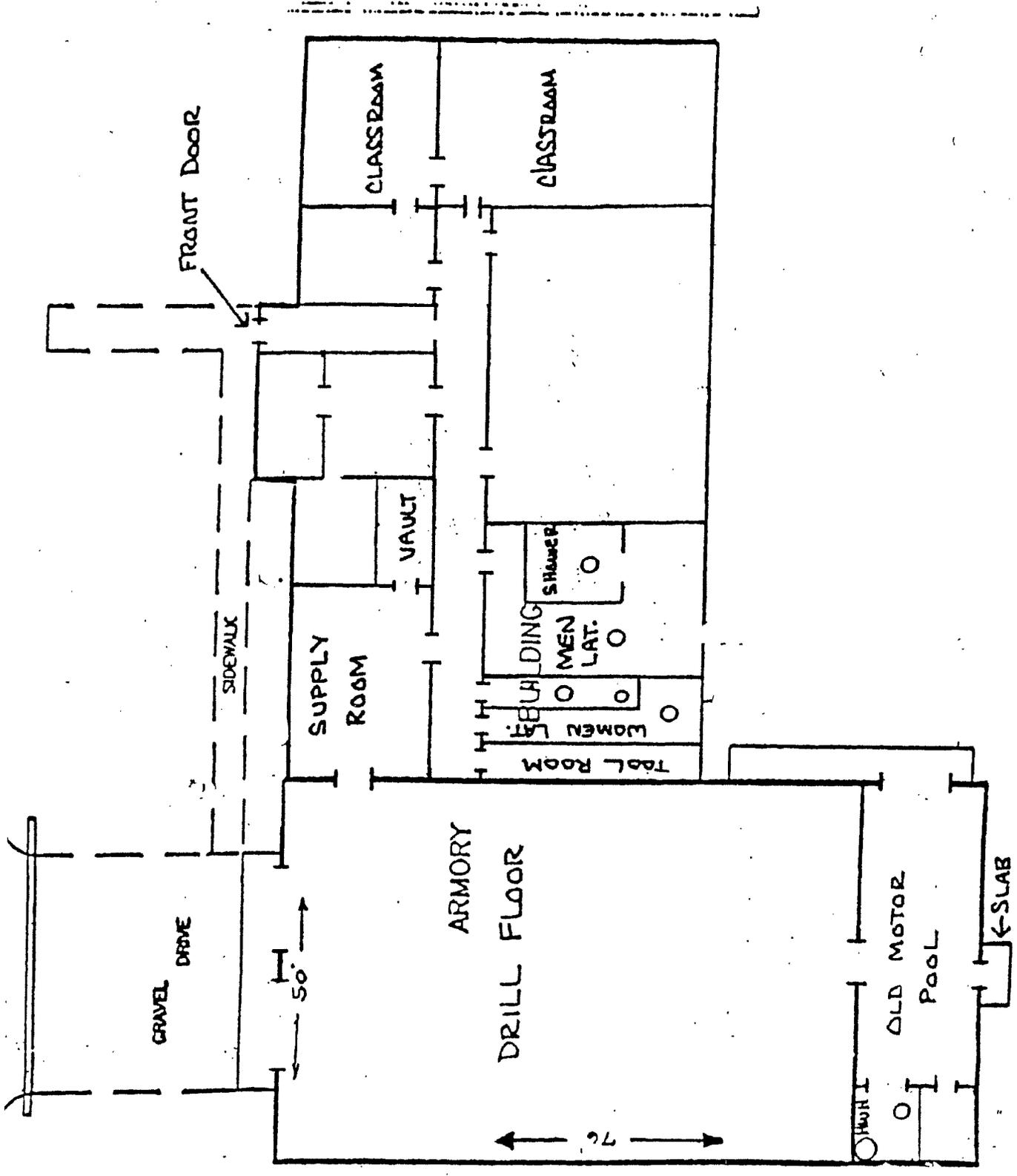
Chain of Custody

Marshall Environmental Management, Inc. 1145 SW 74th Street Suite E-300 Oklahoma City, OK 73139 Email: marshenv@swbell.net		TAT Standard <input checked="" type="checkbox"/> Rush Phone: (405) 616-0401 Fax: (405) 972-0525		JOB ID: #2184 Project Name: ALLEN ARMORY INSPECTION DCS Project #06164C-12	
Location Address: Allen Armory N/A 903 North Paul Street, Allen OK Angela Brunzman N/A Department: DEQ LPD				Invoice To: Company: DEQ - Land Protection Division Contact: Angela Brunzman Mailing Address: 707 N. Robinson, Oklahoma City, OK 73102 Phone No: 405-702-5141 Phone Results Fax No: Fax Results Email: <input checked="" type="checkbox"/> Email Results	
Date	Sample Number	Location/Description	Sample Type	Volume Area	Analysis Requested
10/26/2006	A-1	Classroom #1 Wallboard with Mold	Bulk	N/A	Asbestos
10/26/2006	A-2 A&B	Mechanical Closet in Classroom #1, Floor Tile & mastic	Bulk	N/A	Asbestos
10/26/2006	A-3	Classroom #1 TSI above Ceiling	Bulk	N/A	Asbestos
10/26/2006	A-4	Lady's Room Joint Compound for Wallboard	Bulk	N/A	Asbestos
10/26/2006	A-5	Classroom #2 Ceiling Tile	Bulk	N/A	Asbestos
10/26/2006	A-6	Firing Range Refractory in Gas Heater	Bulk	N/A	Asbestos
10/26/2006	A-7	Storage Room Inside Cinder Block	Bulk	N/A	Asbestos
10/26/2006	A-8 A&B	Storage Room Floor Tile and Mastic	Bulk	N/A	Asbestos
10/26/2006	A-9	Storage Room Vinyl Floor Covering	Bulk	N/A	Asbestos
10/26/2006	A-10	Storage Room Area Ceiling Tile	Bulk	N/A	Asbestos
10/26/2006	A-11	Hallway Floor Tile	Bulk	N/A	Asbestos
10/26/2006	A-12	Storage Room by Vault, TSI Linear Run on Plumbing	Bulk	N/A	Asbestos
10/26/2006	A-13	Motor Pool Area Insulation Inside Fire Door	Bulk	N/A	Asbestos
10/26/2006	A-14	Mechanical Room Painted TSI Fitting	Bulk	N/A	Asbestos
10/26/2006	A-15	Tool Room, Damaged TSI Insulation	Bulk	N/A	Asbestos
Instructions/Special Requirements:					
Collected By (print):		Collector's Signature:		Date: Time:	
Relinquished By:		Receive By:		Date: Time:	
Relinquished By:		Receive By:		Date: Time:	
Relinquished By:		Receive By:		Date: Time:	
Method of Shipment:				Condition Upon Reception: Acceptable Unacceptable	

Oklahoma Department of Environmental Quality
 Land Protection Division
 ALLEN ARMORY

Asbestos Inspection by:
 Marshall Environmental Management, Inc.
 Summary of Estimated Quantities of ACM
 Date of Inspection: 10-26-06

Location	Type of ACM	Category	Estimated Quantity	Units	Comments
Inside Armory					
TSI on Plumbing					
Classroom Area	TSI	Air-Cell & Mud Packs	46	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Hallway	TSI	Air-Cell & Mud Packs	12	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Meeting Room	TSI	Air-Cell & Mud Packs	30	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Supply Room	TSI	Air-Cell & Mud Packs	34	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Mens Room	TSI	Air-Cell & Mud Packs	36	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Maintenance Room	TSI	Air-Cell & Mud Packs	25	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Ladies Room	TSI	Air-Cell & Mud Packs	8	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Tool Room	TSI	Air-Cell & Mud Packs	2	Linear Feet	Runs are Air-Cell, Chrysotile at Taped Joints/Muds
Above Ceiling Tile					
Grids or in Exposed					
Portions of Ceiling					
Through the Armory	TSI	All of the Plumbing Lines (Straight Runs and Mud Packs)	193	Total Est. Linear Feet of TSI	Approximately 64 Glove Bags (Ave. 3 LF each)
Floor Tiles & Mastic					
Storage Room	Misc.	Floor Tile/Mastic	219	Square Feet	Asbestos Floor Tile & Asbestos Mastic
Transite					
Drill Floor Roof	TSI		6,080	~Square Feet	Roof is Transite Panels on Steel Trusses & Brick
Exhaust Flues:					
Drill Floor Misc.		Cement Asbestos	36	Linear Feet	4 Flues for Old "Removed" Space Heaters
Maintenance Room Misc.		Cement Asbestos	12	Linear Feet	2 Flues Active
Supply Room Misc.		Cement Asbestos	6	Linear Feet	1 Flue Active
Classroom Heaters Misc.		Cement Asbestos	10	Linear Feet	2 Abandoned next to existing heaters
Motor Pool Misc.		Cement Asbestos	16	Linear Feet	2 Flues, Space Heater & Hot Water Tank



APPENDIX E

ACTIVE CERCLIS SITES



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SUNRAY OIL CO. REFINERY

Site Information

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

Site Name: SUNRAY OIL CO. REFINERY
Street: WEST EDGE OF TOWN
City / State / ZIP: ALLEN, OK 74825

NPL Status: Removed from Proposed NPL

EPA ID: OKD000764357
EPA Region: 06
County: PONTOTOC

Latitude: +34.879990
Longitude: -096.423880

Federal Facility Flag: Not a Federal Facility

HRS Score: 35.47

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SUNRAY OIL CO. REFINERY

Aliases

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[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

Alias Name / Street / City / State / ZIP

SUNRAY OIL
OK

SUNRAY OIL CO. REFINERY
PONTOTOC, OK

SUNRAY OIL CO. REFINERY
WEST EDGE OF TOWN
ALLEN, OK 74825

Removed f/ NPL

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NPL Site Narrative for Sunray Oil Co. Refinery

SUNRAY OIL CO. REFINERY Allen, Oklahoma

Federal Register Notice: June 24, 1988

Conditions at proposal (June 24, 1988): The Sunray Oil Co. Refinery Site occupies 40 acres approximately 0.1 mile west of Allen, Pontotoc County, Oklahoma. About 27 acres are owned by Sun Pipe Line Co. and 13 acres by Allen Camper Manufacturing Co., Inc. Sunray Oil Co. was acquired by Sun Pipe Line through a series of mergers which began in the 1950s. Sunray Oil Co. operated the refinery during 1933-55. Sun Pipe Line Co. now operates on its 27 acres. Allen Camper has manufactured camping equipment on its 13 acres since the 1960s.

Four pits on the property hold refinery sludges containing substances listed as hazardous under Subtitle C of the Resource Conservation and Recovery Act. The pits are unlined and inadequately diked. They contain copper, lead, and zinc, according to analyses conducted by EPA in May 1986.

In October 1984 and May 1986, EPA found barium, iron, lead, and manganese in the abandoned on-site drinking water well. Soils in the area are permeable and ground water shallow (26 feet in some cases), conditions that facilitate movement of contaminants into ground water. Approximately 3,000 people, including Allen residents, obtain drinking water from public and private wells within 3 miles of the site.

Little Sandy Creek and a tributary to the Canadian River originate on the site.

Status (August 30, 1990): In response to public comments, EPA re-evaluated the site documentation and the site's score on the Hazard Ranking System used to assess sites for the NPL. Because the score is now below the cutoff point EPA has established to include a site on the NPL, this site is being dropped from consideration for the NPL at this time.

[The description of the site (release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.]

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ROADSIDE DUMP-ALLEN

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[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

This site has been archived from the CERCLIS inventory.

Site Name: ROADSIDE DUMP-ALLEN
Street: E CAMPER RD,0.8 MI N OF HWY 48
City / State / ZIP: ALLEN, OK 74825

NPL Status: Not on the NPL
Non-NPL Status: NFRAP

EPA ID: OKD982308983
EPA Region: 06
County: PONTOTOC

Federal Facility Flag: Not a Federal Facility

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RCRA NOTIFIERS LIST

Column Descriptions

<u>Column</u>	<u>Value</u>	<u>Description</u>
GEN - Generator Status	1	Large Quantity Generator
	2	Small Quantity Generator
	3	Conditionally Exempt Small Quantity Generator
SGEN - State Waste Generator Code	1	Large Quantity Generator
	2	SQG
	3	CESQG
	4	One Time Generator
	5	Periodic Generator
	6	No Longer Generating, Still in Business
	7	No Longer Generating, Out of Business
	8	Never Generated Hazardous Waste - Verified
	9	Transporter
N	No separately defined state status	
TRAN - Hazardous Waste Transporter	Y	Hazardous Waste Transporter
OPER TSDF - Operating Treatment/Storage/Disposal Facility	L	Land Disposal Facility
	I	Incinerator
	B	Burner/Boiler
	S	Storage Facility
	T	Treatment Facility
OWN - Owner		
OPR - Operator (Though different in meaning, the value of codes are the same)	C	County
	D	District
	F	Federal
	I	Indian
	M	Municipal
	O	Other
	P	Private
	S	State
RECEIVED DATE		Receipt Date of most current RCRA Site ID Form

Depending on User Selection Criteria, all of the above Values may not appear on this report.

State of: OKLAHOMA

EPA-ID	FACILITY NAME	LOCATION ADDRESS	CITY	ZIP	COUNTY/ PARISH	S G E N	T R N N	O P T S	O P R T S	O P R T S	RECEIVED DATE
OKD000727784	SUN OIL CO SHIELDS J2-#4	1M S & 2M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000727867	SUN OIL CO W A WEBB	1M S & 5M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000727842	SUN OIL CO WADE	1M N & 6M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000727859	SUN OIL CO WEBB LACT FACILITY	1M N & 6M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000727875	SUN OIL CO WEBB W-10 W1	1M N & 5M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000727883	SUN OIL CO WEBB W1#11	1M N & 5M W OF ALLEN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000764357	SUN PIPELINE CO ALLEN CRUDE ST	WEST EDGE OF TOWN	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: LEE MEYERS		Mailing Addr: RT 2 BOX 43, SEMINOLE, OK 74868									Phone: 4053820626
OKD096147814	SUN PIPELINE CO-ALLEN PRODUCTS	W OF CITY	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: DICK CLARY		Mailing Addr: P O BOX E, ALLEN, OK 74825									Phone: 5808572435
OKD000789859	TEXOMA PIPE LINE ALLEN STATION	STATE HWY 48	ALLEN	74825	PONTOTOC	6		P			08/18/80
Contact: DAVID-E LUDDEKE		Mailing Addr: 1210 FOURTH NATIONAL BANK BLDG, TULSA, OK 74119									Phone: 9185597236
OKD987086733	TRANSOK INC ALLEN STATION	.75M NE .25M E	ALLEN	74825	PONTOTOC	6		P			06/29/95
Contact: ROBERT BENHAM		Mailing Addr: PO BOX 379, ALLEN, OK 74825									Phone: 5802657724
OK00001335962	RYDER TRUCK RENTAL INC	201 W 5TH	FRANCIS	74844	PONTOTOC	3		P			02/15/94
Contact: DAVID HARNSBERGER		Mailing Addr: 201 W 5TH, FRANCIS, OK 74844									Phone: 5804366532
OKD000771394	SUN OIL CO ATKINS-BENTON OIL F	UNKNOWN	HARDEN CITY	74871	PONTOTOC	8		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000771402	SUN OIL CO ATKINS-BENTON WATER	IN HARDEN CITY OK	HARDEN CITY	74871	PONTOTOC	8		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000771428	SUN OIL CO BROGDEN-WITHERSPOON	2M SE	HARDEN CITY	74871	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000771436	SUN OIL CO BROWN #1-4	2M S 3M E	HARDEN CITY	74871	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000733402	SUN OIL CO CC THOMPSON	2M S 2M E	HARDEN CITY	74871	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384
OKD000771410	SUN OIL CO ELLA S BENTON	IN HARDEN CITY OK	HARDEN CITY	74871	PONTOTOC	6		P			08/18/80
Contact: GM EUBANKS		Mailing Addr: PO BOX 3800, TULSA, OK 74102									Phone: 9184967384

ERNS DATABASE



STANDARD QUERY RESULTS

Need Help?

Select a report number from the ACTION Column to view the report details.

Action	NRC Report#	Incident Date	Street	Location County	City	State	ZIP	Suspected Responsible Company	Type Of Incident	Medium Affected	Material Name
View	67463	04/10/1991	NE	PONTOTOC	ALLEN	OK	(null)	MID-CONTINENT PIPELINE	PIPELINE	LAND	OIL: CRUDE
View	94496	10/31/1991	SW QUARTER	PONTOTOC	ALLEN	OK	(null)	MID-CONTINENT PIPELINE	FIXED	WATER	OIL: CRUDE
View	104647	01/27/1992	(null)	PONTOTOC	ALLEN	OK	(null)	AMERICAN EXPLORATION	FIXED	WATER	OIL: CRUDE
View	110923	03/18/1992	(null)	HUGHES	ALLEN	OK	(null)	SUN PIPELINE CO	PIPELINE	WATER	OIL: CRUDE
View	142668	10/30/1992	(null)	PONTOTOC	ALLEN	OK	(null)	MIDCONTINENT PIPELINE	PIPELINE	LAND	OIL: CRUDE
View	143579	11/05/1992	(null)	PONTOTOC	ALLEN	OK	(null)	MIDCONTINENT PIPELINE	PIPELINE	LAND	OIL: CRUDE
View	147087	11/30/1992	ALLEN FIELD	PONTOTOC	ALLEN	OK	(null)	AMERICAN EXPLORATION	FIXED	WATER	OIL: CRUDE
View	151053	12/30/1992	(null)	HUGHES	ALLEN	OK	(null)	SUN PIPELINE COMPANY	PIPELINE	WATER	OIL: CRUDE
View	154250	01/20/1993	(null)	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE COMPANY	PIPELINE	LAND	OIL: CRUDE
View	178938	06/08/1993	NW QUARTER	HUGHES	ALLEN	OK	(null)	SUN PIPELINE COMPANY	PIPELINE	WATER	OIL: CRUDE
View	203458	10/18/1993	(null)	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE COMPANY	PIPELINE	WATER	OIL: CRUDE
View	286144	04/07/1995	RT BOX 460	HUGHES	ALLEN	OK	(null)	TYSON FOODS	FIXED	WATER	WASTE WATER (ANIMAL WASTE)

RC Drill Report

View	289638	05/02/1995	2.25 MILES WEST OF ALLEN CAMPERSOUTH WEST QUARTER	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE
View	325921	02/13/1996	3 MILES WEST	PONTOTOC	ALLEN	OK	(null)	NORAM GAS TRANSMISSION	PIPELINE	AIR	NATURAL GAS
View	394542	07/10/1997	SE QUARTER	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE
View	475517	03/01/1999	107 SOUTH CAMPER ROAD	PONTOTOC	ALLEN	OK	(null)	WILLIAMS PIPELINE	PIPELINE	AIR	NATURAL GAS
View	501451	10/06/1999	(null)	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE
View	503723	10/26/1999	NORTH WEST QUARTER	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE
View	519668	02/12/2000	APPROXIMATELY 4 MILES EAST OF ALLEN OKLAHOMA	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	LAND	OIL: CRUDE
View	549279	11/27/2000	CALLER HAD NO PHYSICAL LOCATION	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE

Row(s) 1 - 20 of 25

Next

Elapsed Time 1.63 second(s)

NEW Query



STANDARD QUERY RESULTS

Need Help?

Select a report number from the ACTION Column to view the report details.

Action	NRC Report#	Incident Date	Street	Location County	City	State	ZIP	Suspected Responsible Company	Type Of Incident	Medium Affected	Material Name
View	585260	09/06/2001	ABOUT 100 FT EAST OF THE HOUSERT 1 BOX 135 A	HUGHES	ALLEN	OK	74825	(null)	FIXED	WATER	OIL: CRUDE
View	588723	12/14/2001	OIL FIELD	PONTOTOC	ALLEN	OK	(null)	SUN PIPELINE	PIPELINE	WATER	OIL: CRUDE
View	750446	02/16/2005	NEAR SECTION LINE DOWN IN VALEY (LIMITED LOCATION INFORMATION)	HUGHES	ALLEN	OK	(null)	(null)	STORAGE TANK	SOIL	UNKNOWN MATERIAL
View	770838	08/30/2005	RURAL AREA	HUGHES	ALLEN	OK	(null)	CENTERPOINT ENERGY GAS TRANSMISSION	PIPELINE	AIR	NATURAL GAS
View	793145	04/05/2006	TRANSMISSION POP LINE COMPRESSOR STATION	PONTOTOC	ALLEN	OK	(null)	ENOGEX	FIXED	AIR	NATURAL GAS

Row(s) 21 - 25 of 25

Previous

RC Drill Report

Elapsed Time 1.53 second(s)

NEW Query

APPENDIX F

**OK CORPORATION COMMISSION
UST DATABASE**

Facility Summary for 6205811

Owner Name and Address: OKLAHOMA MILITARY DEPT 3501 MILITARY CIRCLE Oklahoma City OK Owner Phone: (405) 228-5363
 (OKDE-ENV) 73111

Facility ID	Location Name	Location Street Address	Location City	Zip	Facility Phone		
6205811	DET CO C 1/180 INF	903 PAUL STR	Allen	74825			
Tank ID / AST Status	Installed Age	Product Capacity	Tank Mat'l of Construction Secondary Option	Piping Material Secondary Option	Piping Type Exempt	Tank Release Detection Piping Release Detection	FR Met Over/Spill/CP
1	No Permanently Out of Use	12/31/194 58	Gasoline 1,000	Asphalt Coated or Bare Steel None	Galvanized Steel None	Not Listed Yes	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E <input type="radio"/> F <input type="radio"/> G <input type="radio"/> H <input type="radio"/> I <input type="radio"/> J <input type="radio"/> K <input type="radio"/> L No
2	No Permanently Out of Use	1/1/1955 51	Gasoline 500	Asphalt Coated or Bare Steel None	Bare Steel None	Safe Suction Yes	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E <input type="radio"/> F <input type="radio"/> G <input type="radio"/> H <input type="radio"/> I <input type="radio"/> J <input type="radio"/> K <input type="radio"/> L No

Tank/Piping Release Detection Codes

- A** Manual Tank Gauging
- B** Tank/Line Tightness Testing
- C** Inventory Control
- D** ATG/Auto Line LD
- E** Vapor Monitoring
- F** GW Monitoring
- G** Interstit. Dbl-Wall Monitor
- H** Interstit. Sec. Con. Monitor
- I** SIR
- J** Other Methods
- K** Deferred
- L** Not Listed

Report Generation Date: 8/4/2006 1:33:49 PM
 notFacility Summary Report

Facility ID: 6205811 Facility Name: DET CO C 1/180 INF

X. Tanks Out of Use, or Change in Service

1. Closing of Tank

NOTE: This section not available unless tank status at top of form is set to a form of closure.

Date Last Used: 01 Jan 1982

Closure Status: Tank closed in place

Date Closure Rcvd.: 07 Oct 1997

Inert Fill: Not Listed

Date Closed: 16 Sep 1997

2. Site Assessment

Site Assessment Completed:

Evidence of a Leak Detected:

XI. Certification of Compliance

1. Installation

Installer certified by tank & piping manufacturer:

Manufacturer's installation checklists have been completed:

Installer certified or licensed by implementing agency:

Another method allowed by State agency:

Installation inspected by registered engineer:

Comments:

Installation inspected & approved by implementing agency:

2. Release Detection

	Tank/Pipe	
Manual tank gauging:	<input type="checkbox"/>	<input type="checkbox"/>
Tank tightness testing:	<input type="checkbox"/>	<input type="checkbox"/>
Inventory control:	<input type="checkbox"/>	<input type="checkbox"/>
Automatic tank gauging:	<input type="checkbox"/>	<input type="checkbox"/>
Vapor monitoring:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Groundwater monitoring:	<input type="checkbox"/>	<input type="checkbox"/>
SIR:	<input type="checkbox"/>	<input type="checkbox"/>
Interstit. Dbl-wall Monitor:	<input type="checkbox"/>	<input type="checkbox"/>
Interstit. Sec. Con. Monitor:	<input type="checkbox"/>	<input type="checkbox"/>

	Tank/Pipe	
Auto line leak detector:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Line tightness testing:	<input type="checkbox"/>	<input type="checkbox"/>
Other method:	<input type="checkbox"/>	<input type="checkbox"/>
Deferred:	<input type="checkbox"/>	<input type="checkbox"/>
Not listed:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

3. Spill, Overfill, and Corrosion Protection

Overfill Protected: Spill Protected: CP Met on Tank & Piping:

Check if deliveries limited to 25 gallons at a time (e.g., used oil tanks)

Installer Oath:

Name:

Company:

Facility ID: 6205811 Facility Name: DET CO C 1/180 INF

I. Ownership of Tank(s)

Owner ID: 04755
Name: OKLAHOMA MILITARY DEPT (OKDE-ENV)
Street: 3501 MILITARY CIRCLE
City: Oklahoma City County: Oklahoma
State: OK ZIP: 73111 - 4398
Phone: (405) 228-5363 Fax:
Contact: (if other than Owner)
Taxpayer ID: S.S. No:

Comments:

[Empty comment box]

Type of Notification

New: Amended: Closure:

Facility ID: 6205811

Date Received: 30 Oct 1990

Facility Operator: Last First

II. Location of Tank(s)

Name: DET CO C 1/180 INF
Street: 903 PAUL STR
City: Allen County: Pontotoc
State: OK ZIP: 74825 -
Latitude: +34° 52' 52.32" Longitude: 096° 24' 41.31"
Phone:

Comments:

[Empty comment box]

III. Type of Owner

No Longer Used

IV. Indian Lands

Indian Lands: Tanks are located on land within an Indian Reservation or on other trust lands.

Tribe Owned: Tanks are owned by native American nation or tribe.

Tribe:

Facility ID: 6205811

Facility Name: DET CO C 1/180 INF

V. Type of Facility

Comments:

No Longer Used

VI. Contact Persons in Charge of Tanks

Name: ENGLEBRETSON, ALTON

Address: 3517 MILITARY CIRCLE, Oklahoma City, OK 73111

Phone: (405) 425-8333

Fax:

Contact Type: Owner Operator CA Contact Manager Outreach Location Contact
 RP Fee Contact Other CAPTAIN; DEP. DIR. OF ENGINEERIN

VII. Financial Responsibility

Facility meets financial responsibility requirements:

Check all that apply:

Self-Insured:

Letter of Credit:

Comments:

Insurance:

State Fund:

Risk Retention Group:

Trust Fund:

Guarantee:

Other:

Surety Bond:

Not Listed:

VIII. Certification

Name: SSG FRED L BARRETT

Title: SUPSVCSPC

Date: 30 Oct 1990

Facility ID: 6205811 Facility Name: DET CO C 1/180 INF

Latitude: :34° 52' 52.32" Longitude: :96° 24' 41.31"

IX. Description of Underground Storage Tanks

1. Status of Tank

Federally Regulated: <input checked="" type="checkbox"/>	Compartment: <input type="checkbox"/>	AST: <input type="checkbox"/>	Facility ID: 6205811
Amended Information: <input checked="" type="checkbox"/>	Manifolded: <input type="checkbox"/>	No Fee: <input checked="" type="checkbox"/>	Tank ID: 001

Tank Status: Permanently Out of Use
Rcvd:
Alt Tank ID: 1

Comments:

2. Date of Installation (month/year) 3a. Tank Type 3b. Est. Total Capacity (gallons)

Date Installed: Dec 1947 Tank Type: Public-State Tank Capacity: 1,000

4. Material of Construction

Enter material of construction for the tank. You may supplement primary description with one of the Secondary Options.

Tank Material: Asphalt Coated or Bare Steel
Sec. Tank Option: None

Check if tank has been repaired:
Check if tank is used for emergency generator:

Comments:

5. Piping (Material)

Enter material of construction for the piping. You may supplement primary description with one of the Secondary Option

Piping Material: Galvanized Steel
Sec. Piping Option: None

Comments:

6. Piping (Type)

Type of Pipe: Not Listed

Check if piping has been repaired:

7. Substance Currently or Last Stored in Greatest Quantity by Volume

Substance: Gasoline
CERCLA No.:
Description:

Comments:

Facility ID: 6205811 Facility Name: DET CO C 1/180 INF

X. Tanks Out of Use, or Change in Service

1. Closing of Tank

NOTE: This section not available unless tank status at top of form is set to a form of closure.

Date Last Used: 01 Aug 1983 Closure Status: Tank removed from ground
Date Closure Rcvd.: 07 Oct 1997 Inert Fill:
Date Closed: 16 Sep 1997

2. Site Assessment

Site Assessment Completed: Evidence of a Leak Detected:

XI. Certification of Compliance

1. Installation

Installer certified by tank & piping manufacturer: Manufacturer's installation checklists have been completed:
Installer certified or licensed by implementing agency: Another method allowed by State agency:
Installation inspected by registered engineer: Comments:
Installation inspected & approved by implementing agency:

2. Release Detection

	Tank/Pipe		Tank/Pipe
Manual tank gauging:	<input type="checkbox"/>	Auto line leak detector:	<input type="checkbox"/>
Tank tightness testing:	<input type="checkbox"/>	Line tightness testing:	<input type="checkbox"/>
Inventory control:	<input type="checkbox"/>	Other method:	<input type="checkbox"/>
Automatic tank gauging:	<input type="checkbox"/>	Deferred:	<input type="checkbox"/>
Vapor monitoring:	<input type="checkbox"/>	Not listed:	<input checked="" type="checkbox"/>
Groundwater monitoring:	<input type="checkbox"/>		<input checked="" type="checkbox"/>
SIR:	<input type="checkbox"/>	Comments:	
Interstit. Dbl-wall Monitor:	<input type="checkbox"/>		
Interstit. Sec. Con. Monitor:	<input type="checkbox"/>		

3. Spill, Overfill, and Corrosion Protection

Overfill Protected: Spill Protected: CP Met on Tank & Piping:
 Check if deliveries limited to 25 gallons at a time (e.g., used oil tanks)

Installer Oath:

Name: Company:

Facility ID: 6205811 **Facility Name:** DET CO C 1/180 INF

Position:

Date Signed:

IX. Description of Underground Storage Tanks

1. Status of Tank

Federally Regulated: Compartment: AST: Facility ID: 6205811
Amended Information: Manifolder: No Fee: Tank ID: 002

Tank Status: Permanently Out of Use Comments:
Rcvd:
Alt Tank ID:

2. Date of Installation (month/year) 3a. Tank Type 3b. Est. Total Capacity (gallons)

Date Installed: Jan 1955 Tank Type: Public-State Tank Capacity: 500

4. Material of Construction

Enter material of construction for the tank. You may supplement primary description with one of the Secondary Options.

Tank Material: Asphalt Coated or Bare Steel Comments:
Sec. Tank Option: None
Check if tank has been repaired:
Check if tank is used for emergency generator:

5. Piping (Material)

Enter material of construction for the piping. You may supplement primary description with one of the Secondary Option

Piping Material: Bare Steel Comments:
Sec. Piping Option: None

6. Piping (Type)

Type of Pipe: Safe Suction
Check if piping has been repaired:

7. Substance Currently or Last Stored in Greatest Quantity by Volume

Substance: Gasoline Comments:
CERCLA No.:
Description:

Facility ID: 6205811 **Facility Name:** DET CO C 1/180 INF

Position:

Date Signed:

UST REMOVAL REPORT

BOB ANTHONY
Commissioner

DENISE A. BODE
Commissioner

Commissioner

OKLAHOMA

CORPORATION COMMISSION

E. R Smith, Director

Fuel Storage Dept.

JIM THORPE BUILDING (405) 521-3107

OKLAHOMA CITY, OKLAHOMA 73105

December 29, 1997

Captain Terrance Smith
Oklahoma Military Department
3517 Military Circle
Oklahoma City, Oklahoma 73111-4398

Reference: Facility #6205811, Tank Removal and Closure Report for removal of 1-1000 gal and the in-place closure of 1-500 gal underground storage tanks located at Oklahoma Military Department Armory, 103 Paul Street, Allen, Oklahoma.

Dear Captain Smith:

The Oklahoma Corporation Commission is in receipt of your report covering the removal and closure of 1-1000 gallon UST and the in-place closure of 1-500 gal UST at the referenced site on September 16, 1997. A review of the soil testing reports, dated **September 25, 1997**, indicates the facility does not exceed the action levels established by the Oklahoma Corporation Commission. The subject facility is hereby considered closed within the standards prescribed by the Oklahoma Corporation Commission. Please be advised, however, that any future contamination found may require remediation.

Thank you for your cooperation and assistance to protect the waters of Oklahoma for future generations. If you have any questions, please call (405) -521-3505.

Sincerely,

William F. Hansen

William F. Hansen P.E.
Sr. Environmental Engineer

Fac # 6205811

12/31/97

cc: Facility #6205811
Rick Heck
David H. Cohenour,

- 1) Closure Report
- 2) Closure Regs

To be Filed

Close Facility

1/2/98
Sill

BOB ANTHONY
Commissioner

ED APPLE
Commissioner

DENISE BODE
Commissioner

OKLAHOMA

CORPORATION COMMISSION

P.O. BOX 52000-2000 (405) 521-2307

Ray Smith, Director
Fuel Division

OKLAHOMA CITY, OKLAHOMA 73152-2000

September 13, 1997

David Cohenour
Caldwell Environmental
P.O. Box 1608
Norman, Oklahoma 73069

RE: Facility # Unregistered

Dear Sir or Madam:

The Oklahoma Corporation Commission has been notified that an underground storage tank(s) will be removed or closed as follows:

LOCATION: 103 Paul St., Allen, OK
CLOSURE DATE: September 16, 1997
SAMPLING TIME: 11:00 a.m.

An OCC certified UST consultant must be in supervisory control of the sampling for use in the site assessment.

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 this office.

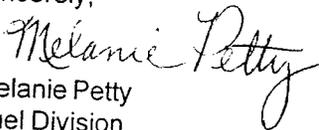
The Oklahoma Corporation Commission will issue citations to tank owners who do not submit the required site assessment report within the forty-five day time period as specified in 165:25-3-15(3).

PROCEDURES LISTED BELOW MUST BE FOLLOWED:

1. Schedule removal/closure with the Oklahoma Corporation Commission, UST Program, (405) 521-6720.
2. Assure safe work area according to federal, state, and local regulations.
3. Perform sampling protocol for tank(s) and piping.
 - A. SAMPLING MUST BE SUPERVISED BY AN OCC CERTIFIED UST CONSULTANT.
 - B. SEND SOIL SAMPLE FOR TESTING TO DEQ CERTIFIED LABORATORY.
4. Submit written report and sketches to the OCC within 45 days of closure.
5. Properly dispose of tank(s), excavated soil and water.

NOTE: Complete and return the attached documents.

Sincerely,



Melanie Petty
Fuel Division
Administrative Services Department

cc. Rick Heck
Fuel Inspection Department



September 29, 1997

RECEIVED
UST/AST Dept.
OCT 7 1997
Oklahoma Corporation
Commission

Mr. Bill Hansen P.E.
Senior Environmental Engineer
Oklahoma Corporation Commission
Fuel Storage Department
P.O. Box 52000-200
Oklahoma City, Oklahoma 73152-2000

Re: Oklahoma Military Department
UST Closure, Armory, Allen, Oklahoma

Dear Mr. Hansen:

Please find the attached closure report for the Underground Storage Tanks (USTs) located at the Armory in Allen, Oklahoma. This Armory had two USTs, one 1,000 gallon, steel gasoline tank, and one 500 gallon steel diesel tank. On September 16, 1997, CEA removed the 1,000 gallon UST and filled the 500 gallon UST with flowable fill (Portland cement and sand). The 500 gallon UST was closed in place because it was immediately adjacent to the armory building and partially under a sidewalk.

Previously, on September 5, 1997, CEA drilled two soil borings (BH-1 & BH-2) down slope of the 500 gallon UST and adjacent to the 1,000 gallon UST using a hand auger. All soil samples from the soil borings were screened for petroleum impacts using an Organic Vapor Meter (OVM) photoionization detector. Field screening found no soil petroleum impacts in either soil boring. One sample of native soil was collected from soil boring BH-2, located immediately adjacent to the 500 gallon UST, at a depth of six feet below ground (approximately 1.5 feet below the bottom of the UST), on September 5, 1997, for laboratory analysis. However, this soil sample was delivered to the laboratory late (9-8-97) and was received too warm for proper analysis. Therefore, when the USTs were closed on September 16, 1997, CEA drilled another boring (BH-2A) within one foot of boring BH-2, and collected a soil sample at a depth of six feet below ground surface for laboratory analysis. Two other samples of native soil were collected from the UST excavation on September 16, 1997, to determine if a release had occurred from the 1,000 gallon UST. In addition, all soil from the UST excavation was screened with the OVM during UST removal. The attached site map shows the locations of soil borings and the locations where soil samples were collected from the UST excavation.

CEA found the 1000 gallon UST and fuel dispenser line that was removed to be in excellent condition with no holes or leaks and field screening showed no evidence of a release at the facility. Furthermore, the two soil samples collected from the UST excavation and the sample from the soil boring were all reported below any of the Oklahoma Corporation Commissions action levels. If you have any questions concerning this report, please call me at 329-7167.

Sincerely,

A handwritten signature in cursive script that reads "David H. Cohenour". The signature is written in black ink and is positioned above the typed name.

David H. Cohenour
Senior Hydrogeologist

OKLAHOMA CORPORATION COMMISSION

Fuel Division, UST/AST Program

P.O. Box 52000-2000

Oklahoma City, OK 73152-2000

(405) 522-4640

**CLOSURE REPORT
FOR
PERMANENTLY CLOSED UNDERGROUND STORAGE TANKS**

**PLEASE SUBMIT THIS COMPLETED FORM ALONG WITH ATTACHMENTS WITHIN
45 DAYS OF THE SCHEDULED CLOSURE.**

1. **Facility Identification Number.** NA (See Attached Registration Form)
2. **Facility location Name and Address**
Oklahoma Military Department Armory
103 Paul Street
Allen, Oklahoma
3. **Owner's Name and Address.**
Oklahoma Military Department Contact: Captain Terrence Smith
Directorate of Engineering
Environmental Office
3517 Military Circle
Oklahoma City, Oklahoma 73111-4398
4. **Date Work Accomplished:** 9/16/97
5. **Number and size of tanks remaining at this facility**
One 500 gallon steel UST that was filled with a Portland cement and sand mixture is remaining.
6. **Number and size of tanks removed.**
One 1,000 Gallon Steel UST
 - (a) **Condition of removed tanks. Are there any holes present?**
The UST was in excellent condition with no holes or leaks observed
 - (b) **Describe the disposal and/or disposition of the tank(s).**
The tank was destroyed on site by cutting a large hole in the end of the tank
The tank was taken to Ferex Metals Recycling, in Ada, Oklahoma for metal recycling.
 - (c) **If tank system consisted of pressure piping, were samples taken at least every 40 feet?** No pressure piping.
 - (d) **Was excavated soil removed from the site?** No
 - (e) **If so, was a permit obtained for its removal?** _____
7. **Number and size of tanks filled with inert material.** One
A 500 gallon steel UST was filled with a Portland cement and sand mixture.

8. Estimated date tanks were last used. 1982
9. Assess the site for potential contamination by:
- (a) testing the soil or groundwater; or
site
 - (b) using an external leak detection method such as monitoring wells.
 - (c) Were field screening instruments used? YES
 - (d) If so, what was the type and model number? Organic Vapor Meter (OVM)
Photoionization Detector (PID) Model # 580B

NOTE: If soil or ground water samples are used for a site assessment, the person taking the samples must be under the supervision of or be a certified UST Consultant.

10. Certified UST Consultant responsible for the sampling.
I certify the samples were taken at locations
where contamination had most likely occurred.

Name David H. Cohenour
Address Caldwell Environmental Associates, Inc.
PO Box 1608
Norman, Oklahoma 73070
Phone Number (405) 329-7167
Certification Number 0331

Signature of Oklahoma Certified UST Consultant:

David H. Cohenour Date 9-29-97

11. A site sketch shall include:
- (a) North arrow
 - (b) Tank pit location
 - (c) Proximity of tank pit to roads, buildings, or other landmarks measured in feet
 - (d) Piping Layout and pump island location
 - (e) Soil sample locations identifying the sample identification

12. Site Assessment prepared by:
- Name David H. Cohenour
Address Caldwell Environmental Associates, Inc.
PO Box 1608
Norman, Oklahoma 73070

Phone Number (405) 329-7167

Signature of Preparer:

David H. Cohenour Date 9-29-97

Attachments: See Next Page



Intertek Testing Services Environmental Laboratories

ANALYTICAL REPORT

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293

REPORT DATE : 25-SEP-1997

ATTENTION : Mr. David Cohenour
SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
: Norman, OK 73069

PROJECT : OMD Allen, OK UST Closurre

Included in this data package are the analytical results for the sample group which you have submitted to Intertek Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.

Martin Jeffus
General Manager



Intertek Testing Services

Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-1
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
: Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen BH-2A
PROJECT : OMD Allen, OK UST Closures
DATE SAMPLED : 16-SEP-1997
ANALYSIS METHOD : EPA 8020B /1
ANALYZED BY : RFG
ANALYZED ON : 24-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : 27-092397

VOLATILE AROMATIC ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Benzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Ethylbenzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Toluene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Xylenes	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Naphthalene		< 10.0 $\mu\text{g/Kg}$

QUALITY CONTROL DATA	
SURROGATE COMPOUND	SPIKE RECOVERED
4-Bromofluorobenzene (SS)	106 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-1
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
 : Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen BH-2A
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997
PREPARATION METHOD : EPA 3550A
PREPARED BY : DJG
PREPARED ON : 18-SEP-1997
ANALYSIS METHOD : EPA 8015B /1
ANALYZED BY : VHL
ANALYZED ON : 19-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : AC195-54

DIESEL RANGE ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Petroleum Hydrocarbon	10.0 mg/Kg	< 10.0 mg/Kg

QUALITY CONTROL DATA		
SURROGATE COMPOUND		SPIKE RECOVERED
Triacontane (SS)		95.3 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-1
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
 : Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen BH-2A
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	88.9 %
Analyzed using ASTM D2216 mod. on 24-SEP-1997 by AKJ QC Batch No : 204005		



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-2
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
: Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen Bottom 8'
PROJECT : OMD Allen, OK UST Closures
DATE SAMPLED : 16-SEP-1997
ANALYSIS METHOD : EPA 8020B /1
ANALYZED BY : RFG
ANALYZED ON : 19-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : 27-091897A

VOLATILE AROMATIC ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Benzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Ethylbenzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Toluene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Xylenes	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Naphthalene		< 10 $\mu\text{g/Kg}$

QUALITY CONTROL DATA	
SURROGATE COMPOUND	SPIKE RECOVERED
4-Bromofluorobenzene (SS)	106 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-2
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
 : Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen Bottom 8'
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997
ANALYSIS METHOD : EPA 5030/8015B /1
ANALYZED BY : RFG
ANALYZED ON : 19-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : 28-091897

GASOLINE RANGE ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Petroleum Hydrocarbon	50 $\mu\text{g/Kg}$	< 50 $\mu\text{g/Kg}$

QUALITY CONTROL DATA	
SURROGATE COMPOUND	SPIKE RECOVERED
Fluorobenzene	90.1 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-2
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
 : Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen Bottom 8'
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	83.7 %
Analyzed using ASTM D2216 mod. on 24-SEP-1997 by AKJ QC Batch No : 204005		

ITS Intertek Testing Services
Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-3
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
: Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen North End
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997
ANALYSIS METHOD : EPA 8020B /1
ANALYZED BY : RFG
ANALYZED ON : 19-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 10
QC BATCH NO : 27-091897A

VOLATILE AROMATIC ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Benzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Ethylbenzene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Toluene	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Xylenes	2 $\mu\text{g/Kg}$	< 2 $\mu\text{g/Kg}$
Naphthalene		< 10 $\mu\text{g/Kg}$

QUALITY CONTROL DATA	
SURROGATE COMPOUND	SPIKE RECOVERED
4-Bromofluorobenzene (SS)	106 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-3

REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
: Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen North End
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997
ANALYSIS METHOD : EPA 5030/8015B /1
ANALYZED BY : RFG
ANALYZED ON : 19-SEP-1997
DILUTION FACTOR : 1
METHOD FACTOR : 1
QC BATCH NO : 28-091897

GASOLINE RANGE ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Petroleum Hydrocarbon	50 $\mu\text{g/Kg}$	< 50 $\mu\text{g/Kg}$

QUALITY CONTROL DATA	
SURRCGATE COMPOUND	SPIKE RECOVERED
Fluorobenzene	89.6 %



Intertek Testing Services Environmental Laboratories

DATE RECEIVED : 17-SEP-1997

REPORT NUMBER : D97-11293-3
REPORT DATE : 25-SEP-1997

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ADDRESS : P.O. Box 1608
 : Norman, OK 73069
ATTENTION : Mr. David Cohenour

SAMPLE MATRIX : Soil
ID MARKS : OMD Allen North End
PROJECT : OMD Allen, OK UST Closurre
DATE SAMPLED : 16-SEP-1997

MISCELLANEOUS ANALYSES		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Total Solids /1	0.01 %	83.9 %
Analyzed using ASTM D2216 mod. on 24-SEP-1997 by AKJ QC Batch No : 204005		



Intertek Testing Services Environmental Laboratories

REPORT DATE : 25-SEP-1997

REPORT NUMBER : D97-11293

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ATTENTION : Mr. David Cohenour
PROJECT : OMD Allen, OK UST Closures

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Benzene	Ethylbenzene	Benzene	Ethylbenzene	Total Petroleum Hydrocarbon
BATCH NO.	27-092397	27-092397	27-091897A	27-091897A	AC195-54
LCS LOT NO.	AC033-62A	AC033-62A	AC033-62A	AC033-62A	AC219-11
PREP METHOD	---	---	---	---	EPA 3550A
PREPARED BY	---	---	---	---	LEP
ANALYSIS METHOD	EPA 8020B	EPA 8020B	EPA 8020B	EPA 8020B	EPA 8015B
ANALYZED BY	RFG	RFG	RFG	RFG	VHL
UNITS	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg
METHOD BLANK	< 2.00	< 2.00	< 2.00	< 2.00	< 10.0
SPIKE LEVEL	50.0	50.0	50.0	50.0	83.3
SPK REC LIMITS	70.0 - 130	70.0 - 130	70.0 - 130	70.0 - 130	30.0 - 150
SPK RPD LIMITS	25.0	25.0	25.0	25.0	25.0
MS RESULT	45.2	44.7	46.9	46.5	89.9
MS RECOVERY %	90.4	89.4	93.8	93.0	108
MSD RESULT	46.3	45.5	46.9	45.8	80.1
MSD RECOVERY %	92.6	91.0	93.8	91.6	96.2
MS/MSD RPD %	2.40	1.77	0.00	1.52	11.5
BS RESULT	NA	NA	NA	NA	75.0
BS RECOVERY %	NA	NA	NA	NA	90.0
BSD RESULT	NA	NA	NA	NA	78.0
BSD RECOVERY %	NA	NA	NA	NA	93.6
BS/BSD RPD %	NA	NA	NA	NA	3.92
DUP RPD LIMITS	---	---	---	---	---
DUPLICATE RPD %	NA	NA	NA	NA	NA
LCS LEVEL	50.0	50.0	50.0	50.0	---
LCS REC LIMITS	70.0 - 130	70.0 - 130	70.0 - 130	70.0 - 130	---
LCS RESULT	45.7	44.3	46.3	45.6	SEE_BS
LCS RECOVERY %	91.4	88.6	92.6	91.2	SEE_BS
SPIKE SAMPLE ID	11311-1	11311-1	11028-6	11028-6	11311-1
SAMPLE VALUE	< 2.00	< 2.00	< 2.00	< 2.00	< 10.0
DUP SAMPLE ID	---	---	---	---	---
DUP SAMPLE VAL/1	---	---	---	---	---
DUP SAMPLE VAL/2	---	---	---	---	---

NA
SEE_BS

Not applicable
LCS and LCS Duplicate reported as BS and BSD.

Intertek Testing Services NA Inc.
1089 East Collins Boulevard Richardson, TX 75081
Telephone (972) 238-5591 Fax (972) 238-5592



Intertek Testing Services Environmental Laboratories

REPORT DATE : 25-SEP-1997

REPORT NUMBER : D97-11293

SAMPLE SUBMITTED BY : Caldwell Environmental Associates
ATTENTION : Mr. David Cohenour
PROJECT : OMD Allen, OK UST Closurre

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Total Petroleum Hydrocarbon
BATCH NO.	28-091897
LCS LOT NO.	AC033-62A
PREP METHOD	---
PREPARED BY	---
ANALYSIS METHOD	EPA 5030/8015B
ANALYZED BY	RFG
UNITS	#g/Kg
METHOD BLANK	< 50.0
SPIKE LEVEL	500
SPK REC LIMITS	70.0 - 130
SPK RPD LIMITS	25.0
MS RESULT	508
MS RECOVERY %	102
MSD RESULT	503
MSD RECOVERY %	101
MS/MSD RPD %	0.99
BS RESULT	NA
BS RECOVERY %	NA
BSD RESULT	NA
BSD RECOVERY %	NA
BS/BSD RPD %	NA
DUP RPD LIMITS	---
DUPLICATE RPD %	NA
LCS LEVEL	500
LCS REC LIMITS	70.0 - 130
LCS RESULT	494
LCS RECOVERY %	98.8
SPIKE SAMPLE ID	11028-6
SAMPLE VALUE	< 50.0
DUP SAMPLE ID	---
DUP SAMPLE VAL/1	---
DUP SAMPLE VAL/2	---

NA

Not applicable

Intertek Testing Services NA Inc.
1089 East Collins Boulevard Richardson, TX 75081
Telephone (972) 238-5591 Fax (972) 238-5592

Inchcape Testing Services

Environmental Laboratories

1089 East Collins Blvd., #100 Richardson, TX 75081

(214) 238-5591

CHAIN OF CUSTODY RECORD

Report to: CALDWELL ENV.
 Company: P.O. BOX 1608
 Address: NORMAN, OK 73069
 Contact: DAVID COHENOUR
 Phone: (405) 329-9167
 Fax: (405) 329-7277

Invoice to: STME
 Company: STME
 Address: JULIE CALDWELL
 Contact: STME
 Phone: STME
 PO/SO #:

Sampler's Name: DAVID COHENOUR
 Sampler's Signature: David H. Cohenour

Proj. No. 0MD ALLEN, OK VST CLOSURE
 Project Name: 0MD ALLEN, OK VST CLOSURE
 No./Type of Containers: 2

Matrix ¹	Date	Time	Identifying Marks of Sample(s)	VOA	AG 1 L	AG 250 ml	PO
S	9-16-94		X 0MD ALLEN BH-24				X
S	9-16-94		X 0MD ALLEN BOTTOM 8'				X
S	9-16-94		X 0MD ALLEN NORTHEAST				X

ANALYSIS REQUESTED
 BTEX & NAPHTHALENE METH. 8020
 TPH DRO METH. 8015 M.
 TPH G20 METH 8015 M.

Lab Sample ID (Lab Use Only)
1293-1

Lab use only
 Due Date: _____
 Temp. of coolers when received (C°):
 1/2 3 4 5
 Custody Seal Intact N/Y
 Screened For Radioactivity

Turn around time: Priority 1 or Standard Priority 2 or 50% Priority 3 or 100% Priority 4 EMS *

Relinquished by: (Signature) [Signature] Date: 9-16-94 Time: 1630
 Received by: (Signature) [Signature] Date: 9-14-94 Time: 10:00

Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature) _____ Date: _____ Time: _____

Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature) _____ Date: _____ Time: _____

Remarks: **ORIGINAL**
 Client's delivery of samples constitutes acceptance of Inchcape/TS-Dallas terms and conditions contained in the Price Schedule.

- 1 Matrix: WW - Wastewater, W - Water, S - Soil, SD - Solid, L - Liquid, A - Air Bag
- 2 Container: VOA - 40 ml vial, AG - Amber / Or Glass 1 Liter, 250 ml - Glass wide mouth, C - Charcoal tube, P/O - Plastic or other, SL - Sludge, O - Oil

OFFICE USE ONLY

Inchcape cannot accept verbal changes.
 Please Fax written changes to 214-238-5592

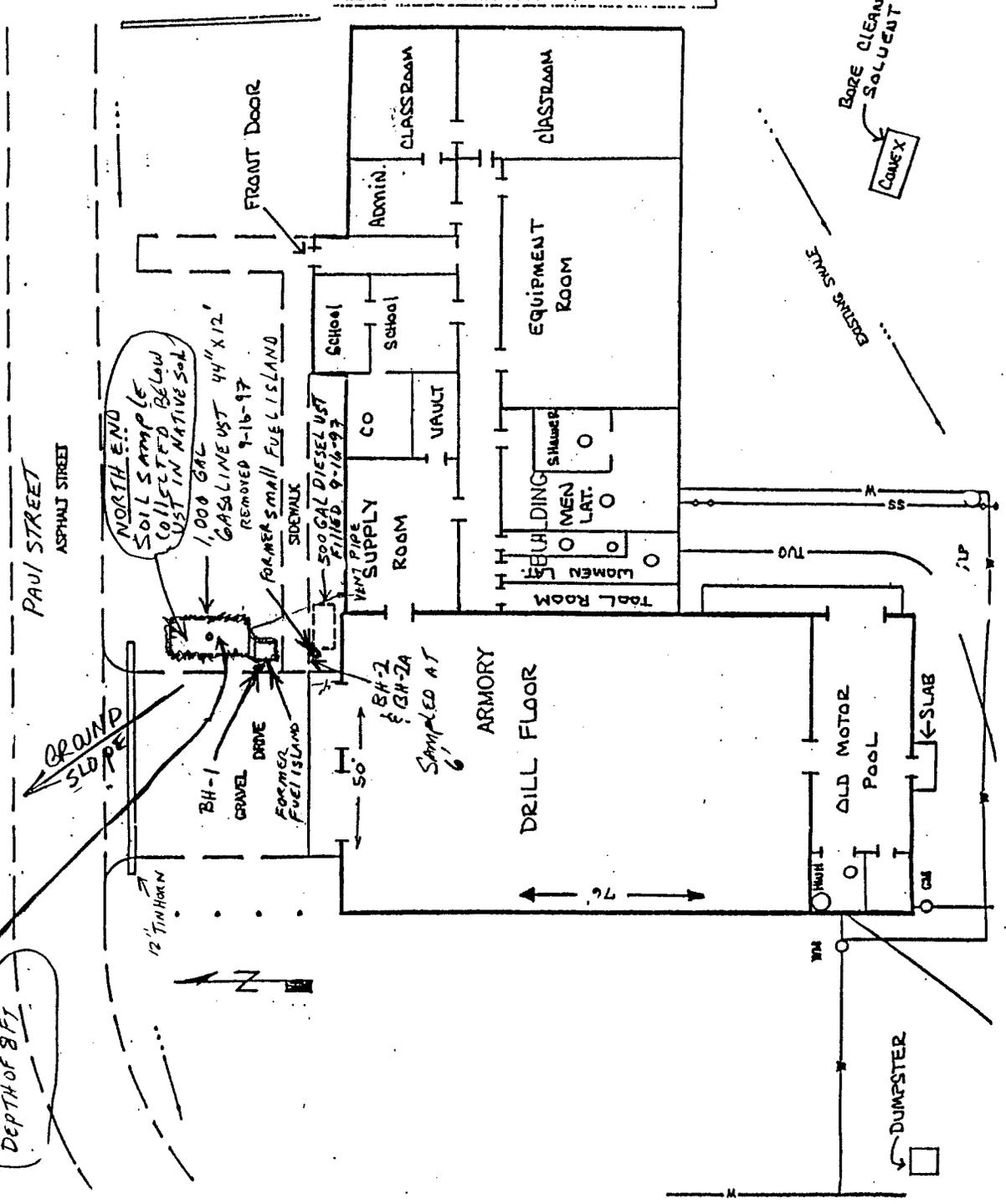
ALLEN ARMORY
ALLEN, OKLAHOMA

BUILT:

DRILL FLOOR: 1946

ADMIN: 1957

SOIL SAMPLE COLLECTED DIRECTLY BELOW THE BOTTOM OF UST AT A DEPTH OF 8 FT.



NOT TO SCALE

Job #. 972034
Date: 9-26-97
Completed By: DHC

CERTIFICATE OF DESTRUCTION

Scrapping/Disposal Company: **Site of Destruction:**

FEREX Corporation.
326 East 9th Street.
Ada, Oklahoma.

Armory.
103 Paul Street.
Allen, Oklahoma.

Tank Removal Contractor:

Caldwell Environmental Associates, Inc.
P.O. Box 1608.
Norman, Oklahoma 73070.

Tank Identification:

Tank #: Not Available.

Size: 1000 Gallon.

Location: Company: Oklahoma Military Department Armory.

Address: 103 Paul Street.

City/State: Allen, Oklahoma .

Destruction Date: 9-16-97.

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

Signature:

David H. Cohenour.

David H. Cohenour.

By

Senior Hydrogeologist.

Title

Subscribed & Sworn to before me this 27 day of September .
in the year 1997.

Notary Public

My Commission Expires:

Sept. 11, 1999.

PROJECT: OMD UST CLOSURES SHEET: 1 OF 1

SUBJECT: ALLEN USTs

BY: DHC DATE: 5-9-97

Caldwell Environmental Assoc., Inc.
P.O. Box 1608
Norman, OK 73070
(405) 329-7167
Fax (405) 329-7277



ARR @ SITE 10:45

500 GAL UST RIGHT NEXT BUILDING
PROBED W/ STEEL ROD \approx 1.5' DEEP
PARTIALLY UNDER SIDEWALK
1200-1230 WENT TO LUNCH

DRILLED BH-1 NEXT FUEL ISLAND OF 1,000 GAL
UST, DOWNSLOPE FROM 500 GAL UST T.D. 2.5'
NO PETROLEUM IMPACTS ON ANY SOIL SAMPLE
HEADSPACE SURVEY W/ OVM PID

CAPTIAN SMITH SAID HE WOULD PREFER TO
REMOVE THE 1,000 GAL UST IF WE COULD
NOTHING IN THE WAY BUT 500 GAL UST
WOULD HAVE TO STAY SINCE WE WOULD
TEAR UP SIDE WALK AND POSSIBLY DAMAGE
BUILDING.

DRILLED BH-2 NEXT TO 500 GAL UST AND SMALL
FUEL ISLAND (NW CORNER OF 500 GAL UST)

DRILLED THROUGH FILL ^{SAND} - NO ODOOR ON PPM
ON OVM, HIT NATIVE SOIL @ 4.5' SAND,
SAMPLED @ 6' FOR LAB, 1430HRS

WILL COLLECT OTHER SOIL SAMPLES FOR LAB
WHEN WE REMOVE THE 1,000 GAL UST.

PLUGGED SOIL BORINGS FROM 4-TD
W/ PORTLAND GROUT

1530 LV SITE

1700 @ OFFICE TOOK SAMPLE TO FED-EX.

PROJECT: OMD UST CLOSURES SHEET: 1 OF 1

SUBJECT: ALLEN UST BY: DHC DATE: 9-16-97

Caldwell Environmental Assoc., Inc.
P.O. Box 1608
Norman, OK 73070
(405) 329-7167
Fax (405) 329-7277



FIELD NOTES

- 0630 @ OFFICE LOAD UP
0645 LV FOR SITE
0820 @ SITE, SAFETY MEETING, SET UP
0830 PUMPED H₂O IN 500 GAL UST TO 1,000 GAL UST
0900 - TWINNED BH-2 DRILLED BH-2A TO SIX FEET
0930 UNCOVERED 1,000 GAL UST
0945 COLLECTED SAMPLE FROM BH-2
1045 JOE BROWN G - @ SITE
FILLED 500 GAL UST W/FLOWABLE FILL.
1100 PET. WASTEWATER RECYCLING W/VACTRUCK
PUMPED OUT 1,000 GAL UST
NO COMB. VAPORS AFTER PUMPING IT OUT
1130 1,000 GAL UST OUT
SCREENED SOILS IN EXCAVATION W/OVM
NO PET. ODOR IN SAND BANK FILL AROUND UST
NO PPM ON OVM
NO ODOR IN SOIL UNDER FUEL ISLAND
1245 COLLECTED SOIL SAMPLE FROM DIRECTLY BELOW
UST IN SILTY SANDY CLAY 1' BELOW UST
COLLECTED SOIL SAMPLE FROM DIRECTLY BELOW
THE NORTH END OF UST IN SILTY SANDY CLAY
1' BELOW UST
1300 LUNCH
1330 UST INERTED W/ DRY ICE
CGI/O₂ METER NO COMB GAS O₂ < 5%
CUT HOLE IN UST
1500 UST LOADED ON TRAILER
TAKE TO ADA FOR RECYCLING
1600 BACKFILL UST EXCAVATION W/ SAND
CLEAN UP
1630 LV SITE
1800 BACK AT OFFICE SAMPLES TO FED DEX

SOIL/ROCK BORING RECORD

DEPTH (FEET)	SAMPLE			SOIL/LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	GEOLOGIC UNIT	REMARK
	NUMBER	OVM READING (PPM)	RECOVERY (FEET)					BACKGROUND OVM READING: SOIL: <input type="checkbox"/> AIR: <input type="checkbox"/>
0	1	0		GROUND ELEVATION: SANDY, SILTY GRAVEL FILL				
	2	0		SILTY FINE GRAINED SAND (FILL)	GC		NA	
	3	0	HA	GRAYISH BROWN (2.545/2) V. MOIST	SM			
	4	0		NO PET. ODOR				
5	5	0		SANDY SILTY CLAY: 10-20% VFG SAND, 20-30% S.I.T, 50-70% CLAY	CL			
	6	0		SOFT, SL. PLASTICITY, MOIST NO PET. ODOR				
10				<p>SAMPLED @ 6'</p> <p>SOIL SAMPLE DELIVERED BY FED-EX LATE, RECEIVED WARM,</p> <p>DRILL ANOTHER BORING (BH-2A) WITHIN 1' OF BH-1 ON 9-16-97 AND COLLECTED A SOIL SAMPLE AT 6'</p> <p>BOTH BORINGS PLUGGED WITH PORTLAND CEMENT GROUT FROM 4' TO 6'</p>				
15								
20								
25								
30								
35								

EXPLANATION

--- WATER TABLE (TIME OF BORING)

--- WATER TABLE (24 HOURS)

OVM : ORGANIC VAPOR MONITOR
 NR : NO RECOVERY
 HA : NOT APPLICABLE
 WL : WATER LEVEL

SOIL/ROCK SAMPLING METHOD: HAND ANGER

DATE DRILLED 9-5-97 & 9-16-97

DRILLING METHOD HAND ANGER

DRILLED BY DHC

LOGGED BY DHC

JOB NAME: OMD ALLEN

BORING NUMBER: BH-2 & BH-2A

CHECKED BY:

SOIL/ROCK BORING RECORD

DEPTH (FEET)	SAMPLE			SOIL/LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	GEOLOGIC UNIT	REMARK	
	NUMBER	OVM READING (PPM)	RECOVERY (FEET)					BACKGROUND OVM READING: SOIL: <u>0</u> AIR: <u>0</u>	
0				GROUND ELEVATION:					
	1	0	HA	SANDY SILTY GRAVEL FILL	GC	X	NA	0	
	2	1		SILTY CLAY; 30-40% SILT, 60-70%	CL		NA		
	3	0		CLAY SL PLASTICITY, MOIST,					
	4	0		OLIVE BROWN (2.54 4/3)					
5	5	1		COLOR CHANGE TO LT OLIVE BROWN					
	6	0		(2.54 5/6) @ 4'					
	7	0		FEW SANDY STREAKS (FINE GRAINED					
	8	0		SANDY SILTY CLAY) APPROX 1-2" THICK					
				BELOW 5, VERY MOIST BELOW 7)					
10				TOTAL DEPTH 8.5'				10	
				NO PETROLEUM ODOR					
				OR ANY STAINING OBSERVED					
				PLUGGED WITH PORTLAND					
				CEMENT GROUT 4' TO 8.5'					
				9-5-97					
15								15	
20								20	
25								25	
30								30	
35								35	

EXPLANATION

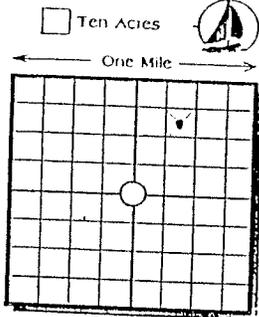
WATER TABLE (TIME OF BORING) _____
 WATER TABLE (24 HOURS) _____
 OVM : ORGANIC VAPOR MONITOR
 NR : NO RECOVERY
 NA : NOT APPLICABLE
 WL : WATER LEVEL
 SOIL/ROCK SAMPLING METHOD: HAND AUGER

DATE DRILLED 9-5-97
 DRILLING METHOD HAND AUGER
 DRILLED BY JD
 LOGGED BY DHC

PAGE 1 OF 1

JOB NAME: OMD ALLEN, OK
 BORING NUMBER: BH-1
 CHECKED BY: _____

Please Plot Well Location



MULTI-PURPOSE COMPLETION REPORT

OKLAHOMA WATER RESOURCES BOARD
600 N HARVEY AVE., P.O. BOX 150
OKLAHOMA CITY, OK 73101-0150

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE
1/4 1/4 1/4

of Sec. 25 Twp. 5N Rge. 8E

County PONTOTOC Well No. BH-2/BH-2A
Well Owner OKLAHOMA MILITARY DEPARTMENT Phone (405) 425-8333
Address ARMORY 103 PAUL ST ALLEN, OK Zip _____
Finding Location MEX 70 HIGH SCHOOL BALL FIELD

TYPE OF WORK

- Geotechnical Boring
- Groundwater Heat Pump Well
- Monitoring Well
- Fresh Water Obs. Well
- Site Assessment Obs. Well
- Plugging
- Reconditioning
- Groundwater Well Test Hole
- Groundwater Well
- De-watering
- Other:

GROUNDWATER WELL PERMITTED USE

- Domestic* (No Permitting Required)
- Non-Domestic: (OWRB Permitting Required)
Specify Purpose(s) _____

NOTE: If this groundwater well is for other than domestic use* provide OWRB Groundwater Permit No. _____

*Domestic Use is use of water for household purposes or for farm and domestic animals up to the normal grazing capacity of the land and for the irrigation of land not to exceed three (3) acres.

DRILLING METHOD

- Hand Auger
- Cable Tool
- Air Rotary
- Fluid Rotary
- H.S. Auger
- S.S. Auger
- Rev. Rotary
- D.W. Rev. Rotary
- Other:

NEW BORING OR WELL CONSTRUCTION DATA

Date: Started BH-2 9-5-97, BH-2A 9-16-97 Date: Completed 9-5-97 & 9-16-97
Operator DAVID COHENOUR Operator No. OP-0985

Type of Construction: Open Hole Cased Hole Temporary Permanent
Hole Diameter 2" Inches From ZERO feet to SIX feet
Hole Diameter _____ Inches From _____ feet to _____ feet

SURFACE CASING RECORD: NA

Surface Casing Diameter _____ Inches From _____ feet to _____ feet

CASING RECORD: NA

Well Casing Diameter _____ Inches From _____ feet to _____ feet
Well Casing Diameter _____ Inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD: NA

Type and Slot Size _____ From _____ feet to _____ feet
Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK: NA

Type and Size _____ From _____ feet to _____ feet
Type and Size _____ From _____ feet to _____ feet

SEAL: NA

Cement Grout Surface Seal Installed? Yes No

Type of Surface Seal _____ From _____ feet to _____ feet
Type of Annular Seal _____ From _____ feet to _____ feet
Type of Filter Pack Seal _____ From _____ feet to _____ feet

TYPE OF COMPLETION: Above Ground Flush Mounted Pileless Adapter

SURFACE PAD: Size: _____ feet X _____ feet X _____ inches

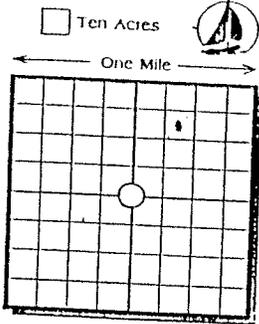
PLUGGING DATA

Non-Contaminated Contaminated Date Plugged BH-2 9-5-97, BH-2A 9-16-97
Backfilled From ZERO feet to FOUR feet Type SOIL
Grouted From FOUR feet to SIX feet Type PORTLAND CEMENT GROUT
Cement Grouted From _____ feet to _____ feet Tremied? Yes No

RECONDITIONING WORK

Replaced Casing/Screen From _____ feet to _____ feet
Deepened Well From _____ feet to _____ feet
Redeveloped Well by _____

Please Plot Well Location



MULTI-PURPOSE COMPLETION REPORT

OKLAHOMA WATER RESOURCES BOARD
600 N HARVEY AVE., P.O. BOX 150
OKLAHOMA CITY, OK 73101-0150

LEGAL DESCRIPTION

DO NOT WRITE IN THIS SPACE
1/4 1/4 1/4

of Sec. 25 Twp. 5N Rge. 8E

County PONTIAC

Well Owner OKLAHOMA MILITARY DEPARTMENT Well No. BH-1

Address ARMY 103 PAUL ST ALLEN, OK Phone (405) 425-8333

Finding Location NEXT TO HIGH SCHOOL BALL FIELD Zip

IN ALLEN, OK

TYPE OF WORK

- Geotechnical Boring
- Groundwater Heat Pump Well
- Monitoring Well

- Fresh Water Obs. Well
- Site Assessment Obs. Well
- Plugging

- Reconditioning
- Groundwater Well Test Hole
- Groundwater Well

- De-watering
- Other:

GROUNDWATER WELL PERMITTED USE

Domestic*
(No Permitting Required)

Non-Domestic: (OWRB Permitting Required)
Specify Purpose(s) _____

NOTE: If this groundwater well is for other than domestic use* provide OWRB Groundwater Permit No: _____

*Domestic Use is use of water for household purposes or for farm and domestic animals up to the normal grazing capacity of the land and for the irrigation of land not to exceed three (3) acres.

DRILLING METHOD

- Hand Auger
- Cable Tool
- Air Rotary

- Fluid Rotary
- H.S. Auger
- S.S. Auger

- Rev. Rotary
- D.W. Rev. Rotary

Other: _____

NEW BORING OR WELL CONSTRUCTION DATA

Date Started 9-5-97

Date Completed 9-5-97

Operator DAVID COHENOUR

Operator No. OP-0985

Type of Construction: Open Hole Cased Hole Temporary Permanent

Hole Diameter 2" Inches From ZERO feet to 8.5' feet

Hole Diameter _____ Inches From _____ feet to _____ feet

SURFACE CASING RECORD: NA

Surface Casing Diameter _____ Inches From _____ feet to _____ feet

CASING RECORD: NA

Well Casing Diameter _____ Inches From _____ feet to _____ feet

Well Casing Diameter _____ Inches From _____ feet to _____ feet

SCREEN OR PERFORATION RECORD: NA

Type and Slot Size _____ From _____ feet to _____ feet

Type and Slot Size _____ From _____ feet to _____ feet

FILTER PACK: NA

Type and Size _____ From _____ feet to _____ feet

Type and Size _____ From _____ feet to _____ feet

SEAL: NA

Cement Grout Surface Seal Installed? Yes No

Type of Surface Seal _____ From _____ feet to _____ feet

Type of Annular Seal _____ From _____ feet to _____ feet

Type of Filter Pack Seal _____ From _____ feet to _____ feet

TYPE OF COMPLETION: Above Ground Flush Mounted Pileless Adapter

SURFACE PAD: Size: _____ feet X _____ feet X _____ inches

PLUGGING DATA

Non-Contaminated Contaminated Date Plugged 9-5-97

Backfilled From ZERO feet to FOUR feet Type SOIL

Grouted From _____ feet to _____ feet Type PORTLAND CEMENT GROUT

Cement Grouted From FOUR feet to 8.5 feet Tremied? Yes No

RECONDITIONING WORK NA

Replaced Casing/Screen From _____ feet to _____ feet

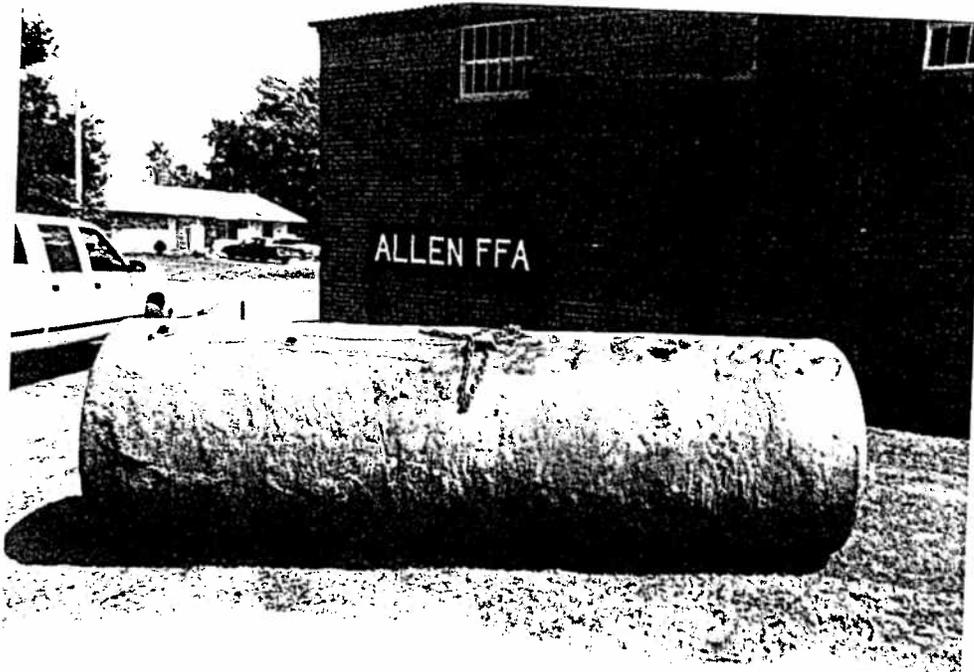
Deepened Well From _____ feet to _____ feet

Redeveloped Well by _____

PROJECT: *0/12/81* SHEET: 1 OF 5

SUBJECT: *Allen photos* BY: *CE* DATE: *7/27/81*

Caldwell Environmental Assoc., Inc.
P.O. Box 1608
Norman, OK 73070
(405) 329-7167
Fax (405) 329-7277



Allen photos

PROJECT: *0111 457* SHEET: *1* OF

SUBJECT: *Access* BY: *LD* DATE: *7-22-91*

Caldwell Environmental Assoc., Inc.
P.O. Box 1608
Norman, OK 73070
(405) 329-7167
Fax (405) 329-7277

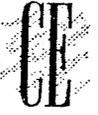


BACKHOE EXCAVATION

PROJECT: OMI 457 CLOSING SHEET: 2 OF 2

SUBJECT: ALLIANCE BY: ABC DATE: 9-29-97

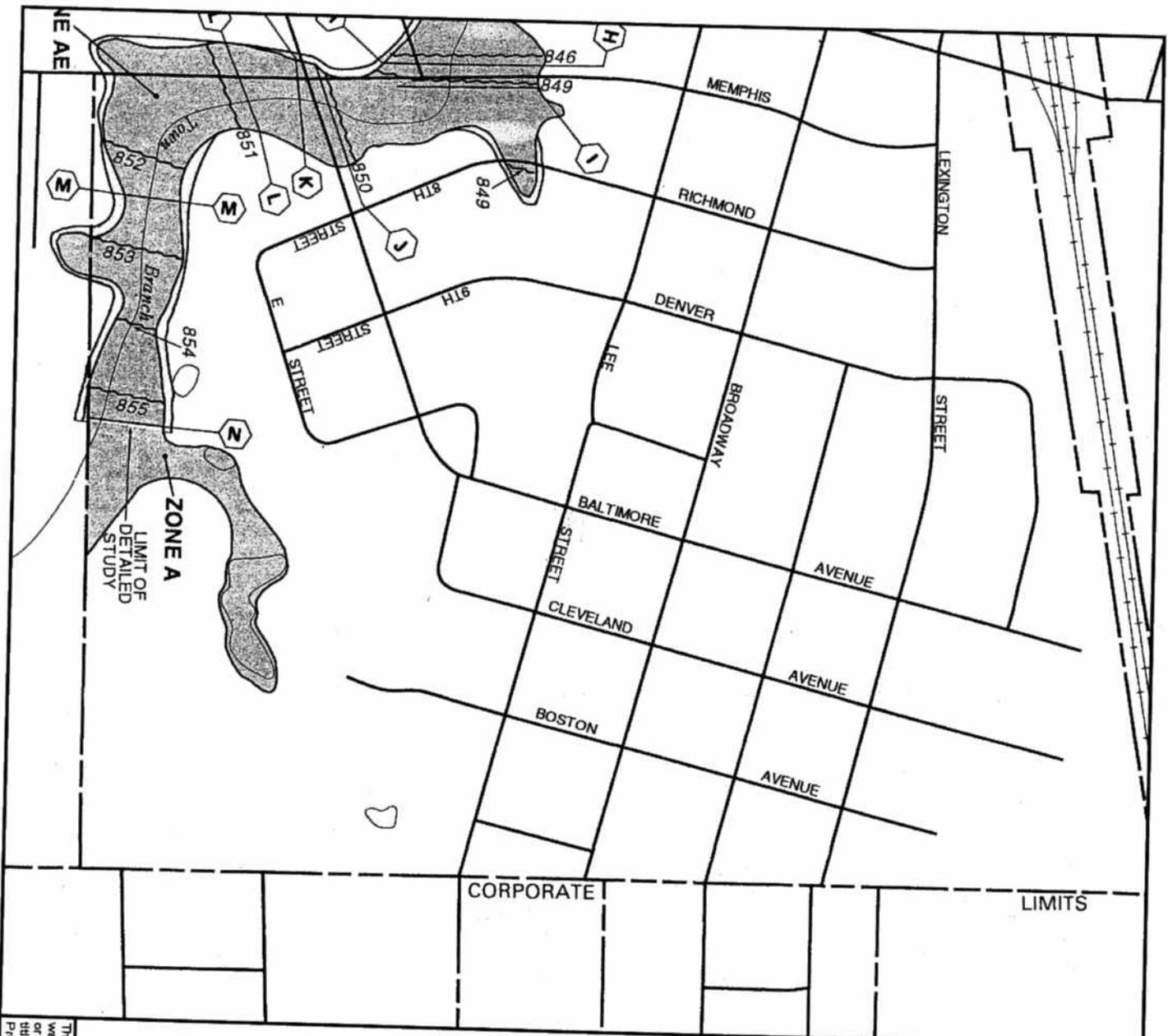
Caldwell Environmental Assoc., Inc.
P.O. Box 1608
Norman, OK 73070
(405) 329-7167
Fax (405) 329-7277



BACKFILLING UST EXCAVATION

APPENDIX G

FEMA FLOODPLAIN MAP



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.fema.gov



Federal Emergency Management Agency

COMMUNITY-PANEL NUMBER
400174 0001 C
MAP REVISED:
AUGUST 3, 1998

ONLY PANEL PRINTED

TOWN OF
ALLEN,
OKLAHOMA
PONTOTOC AND HUGHES
COUNTIES

FIRM
FLOOD INSURANCE RATE MAP

NATIONAL FLOOD INSURANCE PROGRAM



APPROXIMATE SCALE IN FEET
600
0

INSURANCE DEPARTMENT OF THE TERRITORY OF OKLAHOMA

LEGEND

 SPECIAL FLOOD HAZARD AREAS FLOODED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AM** Flood depths of 1 to 3 feet (mainly areas of ponds); base flood elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (mainly short flow on sloping terrain); average depths determined. For areas of elevated fee flooding, velocities also determined.
- ZONE ABS** To be protected from 100-year flood by Federal flood protection works under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

 FLOODWAY AREAS IN ZONE AE

 OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

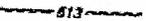
 OTHER AREAS

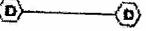
ZONE X Areas determined to be outside 500-year flood plain.

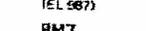
ZONE D Areas in which flood hazards are underestimated.

-  Flood Boundary
-  Floodway Boundary
-  Zone D Boundary

 Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

 Base Flood Elevation Line; Elevation in Feet*

 Cross-Section Line

 Base Flood Elevation in Feet Where Unknown Within Same* Elevation Reference Mark River Mile

(EL 587)
HM7_x
641.5

APPENDIX H

of the State of Oklahoma, and acknowledged to me that he executed the same as his free and voluntary act and deed as such county Treasurer, and as the free and voluntary act and deed of the State of Oklahoma, for the uses and purposes therein set forth.

Witness my hand and seal, the date and year last above mentioned.

Rit Erwin, County Clerk, Pontotoc County, Oklahoma. (SEAL)

5301 DEED FROM STATE OF OKLAHOMA BY D. W. SWAFFAR TO E. CHARLTON STATE OF OKLAHOMA,

COUNTY OF PONTOTOC, SS: Filed in the office of County Clerk for record this 7 day of Dec. 1921, at 11 o'clock A. M., and duly recorded in Book 38 on page 249.

Rit Erwin, County Clerk. (SEAL) By Inez L. Stages, Deputy.

RE-----SALE-----TAX-----DEED (INDIVIDUAL)

KNOW ALL MEN BY THESE PRESENTS, That

WHEREAS, I appears from the records of the office of County Treasurer of Pontotoc County, State of Oklahoma, tha the tract parcel or lot of land lastly in this indenture, described was offered for sale at public auction on the 3rd day of November, 1919, at the office of the County Treasurer in the court house in and for said County for the taxes levied thereon for the year, 1918, and it appearing that the said lands were legally liable for taxation, and had been duly assessed and properly charged on the tax book or duplicate for said year and had been legally advertised for sale for said taxes, and there being no other bidder therefor offering the amount due thereon, the same was by said County Treasurer on said date bid off in the name of said County of Pontotoc State of Oklahoma, for the sum of \$40.38, the same being the amount of taxes, penalties, interest and costs due and unpaid on the following described tract or lot of land returning delinquency for non-payment of taxes, costs and charges for the said year, to-wit:

- Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13 in Block Thirteen (13); and Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, in Block Sixteen (16); all in Leader Addition to the Town of Allen, Oklahoma, according to the Official Plat and survey thereof.

in the County of Pontotoc, State of Oklahoma; and,

WHEREAS, said tract, parcel or lot of land so sold as aforesaid to said Pontotoc County, having remained unredeemed for a period of two years from said date of sale, and no persons having offered to purchase the same for the taxes, penalties and costs due thereon, the same was duly and legally advertised for sale at re-sale for said taxes, cost, penalty and interest accrued on same, and so remaining due, delinquent, and unpaid, and was on the 28th day of November, 1921, by D. W. Swaffar, the undersigned, County Treasurer of said County, pursuant to said advertisement, offered for sale at public auction for cash at the office of the County Treasurer in the Court House in and for said County of Pontotoc, where by law the taxes are made payable, and was then and there sold to J. M. Case, in the manner required by law, for \$25.00 he being the highest and best bidder therefor, and the said sum being the highest amount bid therefor, and

WHEREAS, the owner of said property so sold at said re-sale has not paid to the said County Treasurer the said delinquent taxes, penalties and costs so accrued on said property, and it appearing that the said taxes were levied according to law

and that said lands were legally liable for taxation and had been duly listed and assessed and properly charged on the tax book as such lands for the year of 1931, and that said lands had been legally advertised for sale for said taxes, and that said sales representative set forth and referred to, were in all things regular and proper as provided by law, and that said property now remains unredempted.

NOW, WHEREFORE, this indenture made this 23th day of November, 1931, between the State of Oklahoma by D. W. Swaffar, the Treasurer of said County, of the first part, and the said J. M. Gale, of the second part.

WITNESSETH, That the said party of the first part, for and in consideration of the price and the sum of \$25.00, in hand paid, both granted, bargained and sold by these presents both grant, bargain, sell and convey into the said party of the second part, his heirs and assigns, forever, the tract or parcel of land so sold as recited and aforesaid, and described as follows, to-wit:

Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 in Block Thirteen (13); and Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 in Block Sixteen (16), all in the Leader Addition to the Town of Allen, Oklahoma according to the Official Plat and survey thereof,

in the County of Pontotoc, State of Oklahoma.

TO HAVE AND TO HOLD said mentioned tract or parcel of land with the appurtenances thereunto belonging, to said party of the second part, his heirs, and assigns forever, in as full and ample manner as the said Treasurer of said County is empowered to do to sell the same, and all taxes, penalties, interest and cost assessed thereon for its year, 1931, same being the year's tax for which said property was sold to said County, together with all taxes, penalties, interest and cost previously assessed or existing against said real estate, including paying taxes and outstanding tax sale certificates, are hereby cancelled and set aside.

IN WITNESS WHEREOF, the said D. W. Swaffar, Treasurer of said County of Pontotoc has hereunto set his hand and seal on the day and year aforesaid.

STATE OF OKLAHOMA

By D. W. Swaffar, County Treasurer of Pontotoc County. (SEAL)

STATE OF OKLAHOMA,

COUNTY OF PONTOTOC, ss:

ACKNOWLEDGMENT

Before me, H. H. Erwin, the County Clerk in and for said County and State, on this the 23th day of December, 1931, personally appeared D. W. Swaffar, to be known to be the duly qualified and acting County Treasurer of Pontotoc County, State of Oklahoma, and the identical person who executed the within and foregoing instrument for and on behalf of the State of Oklahoma, and acknowledged to me that he executed the same as his free and voluntary act and deed as such county Treasurer and as the free and voluntary act and deed of the State of Oklahoma, for the uses and purposes therein set forth.

Witness my hand and seal, the date and year last above mentioned.

H. H. Erwin, County Clerk, Pontotoc County, Oklahoma. (SEAL)

3370

WITNESSETH STATE OF OKLAHOMA BY D. W. SWAFFAR TO J. M. GALE

STATE OF OKLAHOMA, COUNTY OF PONTOTOC, ss: Filed in the office of County Clerk for Pontotoc County, Oklahoma, this 23th day of December, A. D. 1931, at 1 o'clock P. M., and duly recorded in book of page 181.

H. H. Erwin, County Clerk, (SEAL) BY H. H. Lambert, Pontotoc, OK

170

NOTARY PUBLIC

This is to certify that I, the undersigned, W. T. Elses, have written contracts from A. A. Caldwell and others for all and as leases covering fifty-one (51%) per cent or more of the following described blocks located in the town of Allen, Oklahoma, to-wit:

Blocks 1-2-3-4 in Caldwell Addition and Blocks 8-9-10-11-12 13-14-15-16-17 in Leader Addition all in the Town of Allen, Oklahoma. Also Blocks 1-2-13-14 Sunset Addition in the Town of Allen, Okla. Blocks 1-2-3-4 in Cummings Addition to the town of Allen, Oklahoma, also

71-73-78 - Blocks 5-6-8-9-14-15-16-17-18-20-22-25-29-30-31-19-21-23-24-36-38-39 32-33-34-35-37-40-41-42-43-45-48-49-53-75-51-52- 46-50-67-69 -70- and 86 in Commercial Addition to the town of Allen, Oklahoma; also

Blocks 1-2-3-4-5-6-7-8-11-12-13-14-15-17-18-19-20-22-23-24-26-27-28-29-30-31-33-34-35-36-37-38-39-40-41-42-43 in the original town of Allen, Oklahoma; also

Blocks 1-2-3-4 in College Addition to the town of Allen, Oklahoma.

And by reason of such written contracts I am claiming the all and as rights under the blocks described above.

Witness my hand this 2nd day of October, 1933.

W. T. Elses

Subscribed and sworn to before me, a Notary Public the day and year above written.

W. T. Elses
Notary Public.

My commission expires September 28, 1936.



STATE OF OKLAHOMA, PONTIAC COUNTY: ss No. 2058

This instrument filed for record this the 3rd day of October, 1933, at 8 o'clock and 10 minutes A. M. and recorded in Book 141 Page 170

County Clerk, by _____ Deputy

See 10

467

KNOW ALL MEN BY THESE PRESENTS,

That Russell Bonds, Flora Bonds, his wife, Clifford Bonds, Dollie Bonds, his wife, Herman Bonds, Josephine Bonds, his wife, Jesse S. Bonds, Jr., Virginia Bonds, his wife, Mary E. Watson and William W. Watson, her husband and Joan Bonds, now Boggs, joined by her husband, James N. Boggs, parties of the first part, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration in hand paid, the receipt of which is hereby acknowledged, do hereby quitclaim, grant, bargain, sell and convey unto Mamie Bonds, party of the second part, the following described real property and premises situated in the County of Pontotoc, State of Oklahoma, to-wit:

Lot 4 in Block 5; and Lot 8 in Block 5; Lots 1 to 5, inclusive, Block 4; and Lots 7 to 12, inclusive, Block 4; and Lot 5, Block 5; and Lot 2, Block 7; and Lot 4, Block 7; and Lot 8, Block 7; and Lot 1, Block 8; and Lot 8, Block 25; and Lot 11, Block 26; and Lot 10, Block 27; and Lots 9 and 10, Block 30; all in the Commercial Addition to the Town of Allen, Oklahoma; and

Lots 1 to 5, inclusive, Block 10; and Lots 10 to 14, inclusive, Block 10; and the West 10 Feet of Lot 2 and Lots 3 to 13, inclusive, Block 13; and Lots 18 to 23, inclusive, Block 13; all in the Leader Addition to the Town of Allen, Oklahoma; and

All of Grantors' right, title, and interest in and to the oil, gas and other mineral rights in and to the following described land situated in Pontotoc County, Oklahoma, to-wit: South Half of Northeast quarter and Southeast quarter and North Half of the Northeast Quarter (N $\frac{1}{2}$ NE $\frac{1}{4}$) of Section 11, and Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 1, and the Northwest Quarter of the Northwest Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section 12, all in Township 4 North, Range 8 East; and the Southwest Quarter of the Southeast Quarter (SW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section 25, Township 5 North, Range 8 East; and the Southwest Quarter of the Southeast Quarter of the Northeast Quarter (SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 20, Township 5 North, Range 8 East; and the West Half of the Northeast Quarter (W $\frac{1}{2}$ NE $\frac{1}{4}$) and the West Half of the Northeast Quarter of the Northeast Quarter (W $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 20, Township 5 North, Range 8 East, Lots 7 & 9 Block 5, Lots 1, 3, 7, 9, 11, Block 7, and Lots 2, 8, 10, Block 8, all in Commercial Addition to Allen, Okla. together with all the improvements thereon and the appurtenances thereto belonging.

TO HAVE AND TO HOLD said described premises unto the said party of the second part, her heirs and assigns, forever.

SIGNED AND DELIVERED this the 5th day of March, 1949.

Russell Bonds
Russell Bonds
Clifford Bonds
Clifford Bonds
Jesse Bonds
Jesse Bonds
Herman Bonds
Herman Bonds

Flora Bonds
Flora Bonds
Dollie Bonds
Dollie Bonds
Virginia Bonds
Virginia Bonds
Josephine Bonds
Josephine Bonds

46

Mary E. Watson
Mary E. Watson
Jean Bonds, now Boggs
Jean Bonds, now Boggs

William M. Watson
William M. Watson
James N. Boggs
James N. Boggs

STATE OF CALIFORNIA,
County of Fresno, ss:

Before me, the undersigned, a Notary Public in and for said County and State on this 30th day of March, 1949, personally appeared RUSSELL BONDS and FLORA BONDS, husband and wife, to me known to be the identical persons 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 seal the day and year last above written.

W. C. Riley, Jr.
Notary Public.

My Commission Expires ~~24~~ Commission Expires February 28, 1952



STATE OF FLORIDA,
County of Alachua, ss:

Before me, the undersigned, a Notary Public in and for said County and State on this 19 day of March, 1949, personally appeared JESSE S. BONDS, Jr., and VIRGINIA BONDS, husband and wife, to me known to be the identical persons 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 seal the day and year last above written.

Dalton Leon Conroy, Jr.
Notary Public.

My Commission Expires: _____
Notary Public, State of Florida at Large.
My Commission expires Sept. 26, 1951.
Issued by American Surety Co. of N. Y.



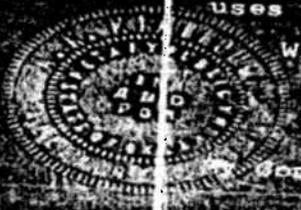
STATE OF OKLAHOMA,
County of Oklahoma, ss:

Before me, the undersigned, a Notary Public in and for said County and State on this 12 day of March, 1949, personally appeared MARY E. WATSON and WILLIAM W. WATSON, her husband to me known to be the identical persons 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 seal the day and year last above written.

A. T. [Signature]
Notary Public

Commission Expires: 9-23-1950



STATE OF OKLAHOMA, ss:
County of Oklahoma,

Before me, the undersigned, a Notary Public in and for said County and State on this 10th day of March, 1949, personally appeared CLIFFORD BONDS and DOLLIE BONDS, his wife, known to be the identical persons 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 purposes therein set forth.

WITNESS my hand and seal the day and year last above written

Al Caloria
Notary Public.

My Commission Expires: 11-5-51

STATE OF CONNECTICUT, ss:
County of Hartford,

Before me, the undersigned, a Notary Public in and for said County and State on this 27 day of March, 1949, personally appeared HERMAN BONDS and JOSEPHINE BONDS, husband and wife, to me known to be the identical persons 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 seal the day and year last above written

Raymond Hurwitz
Notary Public.

My Commission Expires: April 1, 1951

STATE OF OKLAHOMA, ss:
County of Cleveland,

Before me, the undersigned, a Notary Public in and for said County and State, on this 5 day of March, 1949, personally appeared JOAN BONDS, NOW BOGGS and JAMES N. BOGGS, her husband, to me known to be the identical persons 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 seal the day and year last above written

A. F. Fairbank
Notary Public.

My Commission Expires: 9-23-1950

STATE OF OKLAHOMA, PONTOTOC COUNTY.

Witnessed and attested my hand and seal this 10th day of March, 1949, at 5:50 a'clock, in the presence of CLAUD ROBERT County Clerk. By J. S. [Signature] Deputy

FORM L-2---DEED---QUIT CLAIM

THIS INDENTURE, Made this 23 day of March, 19 38
 between Subanne M. Maxey and Louise Maxey
Shelor, being the sole heirs of N.B.
Maxey, deceased.
 in _____ County, in the State
 of Oklahoma _____

STATE OF OKLAHOMA, PONTOTOC COUNTY, ss.
 This instrument was filed for record the 23 day of March
 A. D. 1938 at 3 o'clock PM minutes and duly re-
 corded in Book 248 at Page 186 Fee \$
N. D. Garner County Clerk
 By _____ Deputy
 When Recorded Return to _____

Jesse S. Bonds of the first part, and
Allen, Okla. County, in the State of Oklahoma _____ of the second part.

WITNESSETH, That part Y of the first part, in consideration of the sum of
Twenty Five and no/100 (\$25.00) DOLLARS
 the receipt of which is hereby acknowledged, do _____ by these presents remise, release and quitclaim unto the part Y

of the second part his heirs and assigns, all of the following described real estate situated in the County of
Pontotoc and State of Oklahoma, _____ to-wit:

Lots Nos. One (1) Two (2) Three (3) Four (4) Five (5) Six (6)
 Seven (7) Eight (8) Nine (9) Ten (10) Eleven (11) Twelve (12)
 And Thirteen (13) in Block No. Thirteen (13)

And

Lots Nos. One (1) Two (2) Three (3) Four (4) Five (5) Six (6)
 Seven (7) Eight (8) Nine (9) Ten (10) Eleven (11) And Twelve
 (12) in Block No. Sixteen (16) All in Lessor Addition to the
 Town of Allen, according to the plat thereof.

TO HAVE AND TO HOLD THE SAME, Together with all and singular the tenements, hereditaments, and appurte-
 nances thereunto belonging, or in any wise appertaining, forever.

IN WITNESS WHEREOF, The said part Y of the first part ha 8 herunto set Their _____ hand _____
 the day and year first above written.

Subanne M. Maxey
Louise Maxey Shelor

St Louis STATE OF Missouri ACKNOWLEDGMENT COUNTY, ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this 14 day of March, 1938, personally appeared
Subanne M. Maxey and _____
 to me known to be the identical person _____ who executed the within and foregoing instrument and acknowledged to me that she executed the same
 as free and voluntary act and deed for the uses and purposes therein set forth.
 Witness my hand and seal the day and year last above written.
 My commission expires August 2, 1938 Louis W. Sikes Notary Public.

Mustang STATE OF OKLAHOMA, _____ COUNTY, ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this 2 day of March, 1938, personally appeared
Louise Maxey Shelor and _____
 to me known to be the identical person _____ who subscribed to the within and foregoing instrument and acknowledged to me that she executed the same as free and voluntary act and deed for the uses and purposes therein set forth.
 Given under my hand and seal of office the day and year last above written.
 My commission expires July 19, 1938 Mattie Buschfield Notary Public.
 P. O. Mustang, Oklahoma

60

WARRANTY DEED

This indenture, made and entered into this 17 day of May, 1949, by and between the ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town Council} of the ~~XXXXXX~~ ^{Town of} Allen, Oklahoma, a municipal corporation, acting by and through O. H. Fanning, the duly elected, qualified and acting Mayor and Chairman of the ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town Council} ~~XXXXXX~~ ^{Town of} Allen, 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 17 day of May, 1949, the said ~~XXXXXXXX~~ ^{Town Council} ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town of} Allen, Oklahoma, made an Order by proper resolution, authorizing the said party of the first part to sell certain real estate belonging to the said ~~XXXX~~ ^{Town Council} ~~XXXXXX~~ ^{Town of} Allen, Oklahoma, to the said second party, and directing said Chairman of the ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town Council} ~~XXXXXX~~ ^{Town of} Allen, Oklahoma, to execute and deliver a deed to the said second party.

Therefore, KNOW ALL MEN BY THESE PRESENTS: That the ~~XXXXXXXXXXXXXXXX~~ ^{Town Council} ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town of} Allen, Oklahoma, acting by and through

O. H. Fanning, the duly elected, qualified and acting Mayor and Chairman of the ~~XXXXXXXXXXXXXXXXXXXX~~ ^{Town Council} ~~XXXXXX~~ ^{Town of} Allen, 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 the ~~XXXX~~ ^{Town} ~~XXXXXX~~ ^{Town of} Allen

- Pontotoc County, Oklahoma, to-wit:
- Lots 6, 7, 8, 9, 10, 11, 12 and 13, Block 13, Leader Addition to the Town of Allen, Pontotoc County, Oklahoma
 - Lots 14, 15, 16, and 17, Block 13, Leader Addition to the Town of Allen, Pontotoc County, Oklahoma

together with all improvements thereon and the appurtenances 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

496
In the Matter of the Estate of
Jesse S. Bonds, Deceased.

No. 4431.

ORDER ALLOWING FINAL ACCOUNT OF ADMINISTRATRIX
DETERMINING HEIRS, DISTRIBUTING ESTATE, AND
DISCHARGING ADMINISTRATRIX.

Now on this 15th day of June, 1949, this cause came on for hearing upon the final account of Administratrix, and petition for determination of heirs and discharge, said Administratrix appearing in person and by attorneys, Kerr, Lambert, Conn & Roberts, and the court, after having heard testimony of witnesses and examined the final account and voucher submitted in support thereof, finds as follows:

That necessary expenses of funeral, last illness of said deceased, and of administration of said estate have been fully paid, and that all of the debts existing against said deceased have been fully paid and satisfied, and that all state, county, school and municipal taxes legally levied have been fully paid, and that said estate has been fully administered as shown by the final account of Marie Bonds, Administratrix of said estate, duly ordered and allowed by this court pursuant to due notice given and served, reference being had thereto, and said estate is ready for distribution.

THE COURT FURTHER FINDS that due notice of the application for this final decree assigning the estate to the persons entitled thereto by law, has been likewise duly given and served pursuant to the law in such case made and now provided, and it further appearing to the court that said deceased died intestate on the 20th day of December, 1946, and that the residue of the estate consists of the following described real estate, to-wit:

Pontotoc County

- 1. Lot 4, in Block 5, Commercial Addition to the Town of Allen, Oklahoma;
- 2. Lot 6, in Block 5, Commercial Addition to the Town of Allen, Oklahoma;
- 3. Lots 1 to 5, inclusive, Block 4, Commercial Addition to the Town of Allen, Oklahoma;
- 4. Lots 7 to 12, inclusive, Block 4, Commercial Addition to the Town of Allen, Oklahoma;
- 5. Lot 10, Block 5, Commercial Addition to the Town of Allen, Oklahoma;
- 6. Lot 2, Block 7, Commercial Addition to the Town of Allen, Oklahoma;
- 7. Lot 4, Block 7, in the Commercial Addition to the Town of Allen, Oklahoma;
- 8. Lot 6, Block 7, Commercial Addition to the Town of Allen, Oklahoma;
- 9. Lot 1, Block 8, Commercial Addition to the Town of Allen, Oklahoma;
- 10. Lot 3, Block 25, Commercial Addition to the Town of Allen, Oklahoma;

497

Lot 11, Block 26, Commercial Addition to the Town of Allen, Oklahoma;

Lot 10, Block 27, Commercial Addition to the Town of Allen, Oklahoma;

Lots 9 and 10, Block 28, Commercial Addition to the Town of Allen, Oklahoma;

Lots 1 to 5, inclusive, Block 10, Leader Addition to the Town of Allen, Oklahoma;

Lots 11, 12, 13, inclusive, Block 10, Leader Addition to the Town of Allen, Oklahoma;

The West 10 feet of Lot 2 and Lots 3 to 13, inclusive, Block 10, and Lots 14 to 23, inclusive, Block 13, all in the Leader Addition to the Town of Allen, Oklahoma, Oklahoma.

An undivided interest in the mineral rights in and under the following described lands located in Pontotoc County, Oklahoma, to-wit:

The South Half of the North-East Quarter and the Southeast Quarter of the North Half of the Northeast Quarter of Section 17, and Southeast Quarter of the Southeast Quarter of Section 18, both in Township 14 North, Range 9 East; the North-East Quarter of the South-East Quarter of Section 20, Township 5 North, Range 9 East; and the Southwest Quarter of the Southeast Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East; and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

and the West Half of the North-East Quarter of the Northeast Quarter of Section 20, Township 5 North, Range 9 East.

498

Herman Bonds, son, one-ninth interest,
Jesse S. Bonds, Jr., son, one-ninth interest,
Mary E. Watson, daughter, one-ninth interest,
Joan Bonds, daughter, one-ninth interest.

And it further appearing to the court that by written assignment and conveyance filed herein that all of said children of said Jesse S. Bonds, deceased, have heretofore duly assigned, transferred and conveyed their distributive share in said estate to the surviving widow of said Jesse S. Bonds, Mamie Bonds; it is therefore ordered that the distributive share of said children be set over, transferred and conveyed to Mamie Bonds.

THE COURT FURTHER FINDS that the estate is not of sufficient size for inheritance tax or transfer tax, as more fully shown by order of the Oklahoma Tax Commission on file herein.

THE COURT FURTHER FINDS that the estate is not of sufficient size for Federal inheritance tax or transfer tax.

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED by the court that the following named persons are the sole and only heirs of Jesse S. Bonds, deceased, and that they inherited his said estate in the proportion set opposite their respective names:

Mamie Bonds, widow, one-third interest,
Russell Bonds, son, one-ninths interest,
Clifford Bonds, son, one-ninth interest,
Herman Bonds, son, one-ninth interest,
Jesse S. Bonds, Jr., son, one-ninth interest,
Mary E. Watson, daughter, one-ninth interest,
Joan Bonds, daughter, one-ninth interest.

IT IS FURTHER ORDERED, ADJUDGED AND DECREED by the court that the assignment and conveyance of the children of said Jesse S. Bonds, deceased, assigning and transferring all of their interest in and to all real property or mixed property of whatsoever kind or character, and wherever situated belonging to said estate, to Mamie Bonds, is hereby confirmed and approved, and therefore, all of the money, real and personal property of whatever kind or nature belonging to the said decedent at the time of his death, whether the same be described herein or not, be, and the same is hereby ordered transferred, vested, assigned and conveyed to the said Mamie Bonds.

IT IS FURTHER ORDERED, ADJUDGED AND DECREED that the final account of said Administratrix be confirmed, approved and allowed in accordance with the terms and tenor thereof, and that the Administratrix is fully discharged from further duties and responsibilities as such Administratrix; that the estate is hereby declared fully distributed, and the trust settled and closed; and that said Mamie Bonds and her sureties are hereby released from any liability to be hereafter incurred.

Filed for record June 16 1949 9:00 AM
in Book 427 Page 496

Tom D. McKeown
County Judge.

STATE OF OKLAHOMA
County of Pontotoc
I, DELLA BEDFORD, Court Clerk of County and State
aforesaid do hereby certify that the above and foregoing
document is a true and correct copy as the original.
GIVEN UNDER MY HAND AND SEAL OF OFFICE
this 6th day of June 1949
DELLA BEDFORD
Court Clerk, Pontotoc County, Oklahoma

6-15-1949
DELLA BEDFORD
COURT CLERK
PONTOTOC COUNTY
OKLAHOMA
D. Knippa

294

3530

STATE OF OKLAHOMA }
COUNTY OF PONTOTOC } SS

AFFIDAVIT OF NON FULFILLMENT
OF CONTRACTS; NONDEVELOPMENT, AND
NONPAYMENT OF RENTALS ON OIL AND
GAS LEASES.

A. A. CALDWELL, being first duly sworn on his oath, states:

That he is the same A. A. Caldwell mentioned in a certain affidavit made by W. T. Elsea, regarding ownership of contracts for oil and gas leases covering Block 16 in Commercial Addition to the town of Allen, Pontotoc County, Oklahoma, together with other blocks in the town of Allen, Oklahoma, to-wit:

Blocks 1-2-3-4 in Caldwell Addition and Blocks 8-9-10-11-12-13-14-15-16-17 in Leader Addition all in the town of Allen, Oklahoma. Also blocks 1-12-13-14 Sunset Addition in the town of Allen, Okla. Blocks 1-2-3-4 in Cummings Addition to the town of Allen, Oklahoma; also blocks 2-6-9-14-15-16-17-18-20-22-25-29-30-31-19-21-23-24-36-38-39-32-33-34-35-37-40-41-42-43-45-48-49-53-73-51-52-46-50-67-69-70-71-73-78- and 66 in Commercial Addition to the town of Allen, Oklahoma; also blocks 1-2-3-4-5-6-7-9-11-12-13-14-16-17-18-19-20-22-23-24-25-27-28-29-30-31-33-34-35-36-37-38-39-40-41-42-43 in the original town of Allen, Oklahoma; also blocks 1-2-3-4 in College Addition to the town of Allen, Oklahoma,

which affidavit was filed for record on Oct. 3-1933, and duly recorded in ~~Book~~ book 161 at page 170 of the records in the office of the County Clerk in and for Pontotoc County, Oklahoma;

Affiant further states that he knows of his own knowledge that said contracts mentioned in said affidavit were wholly abandoned and were never fulfilled; that no production of oil or gas has ever been obtained upon any of the above described property; and that no rentals have ever been paid, or tendered to the lessors or to any bank upon the oil and gas leases mentioned, covering the above described property, in the above stated affidavit of the said W. T. Elsea.

Affiant further states that the said W. T. Elsea is now deceased, and that prior to his death he executed releases of the above described affidavit whenever requested so to do by the owners of said property, and for the past fifteen years the said W. T. Elsea has claimed no rights under said Affidavit.

WITNESS MY HAND THIS 30 DAY OF JULY, 1949.

A A Caldwell



Subscribed and sworn to before me, this 30 day of July, 1949.

My Com. Exp. 9-23-1950

A. T. [Signature] NOTARY PUBLIC

STATE OF OKLAHOMA }
COUNTY OF PONTOTOC. } SS.

ACKNOWLEDGEMENT.

Before me, the undersigned, a Notary Public, in and for Pontotoc County, State of Oklahoma, on this 30th day of July, 1949, personally appeared A. A. Caldwell to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Witness my hand and seal the day and year last above written.



9-20-1950

STATE OF OKLAHOMA, PONTOTOC COUNTY, OK.

Filed for record August 8 1949 at 9:20 o'clock P.M. and recorded

Page 294 CLAUD BURRITT, County Clerk, B. [Signature] 20

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That
MAMIE BONDS, a widow,

STATE OF OKLAHOMA, PONTOTOC COUNTY, ss.

This instrument was filed for record the 20 day of April
A. D. 1949 at 8 o'clock 30 minutes W M., and duly re-
corded in Book No. 328 at Page 328 of 1 Volume.

DOW THOMPSON County Clerk

By V. Habitt Deputy

When Recorded Return to _____

of Pontotoc County, State of Oklahoma, part V of the first part, in consideration of the sum of
One Dollar and other good and valuable considerations (\$1.00)
in hand paid, the receipt of which is hereby acknowledged, do SS hereby grant, bargain, sell and convey unto the
TOWN OF ALLEN, a municipal corporation,

of Pontotoc County, State of
Oklahoma, part V of the second part, the following described real property and premises, situated in the County of
Pontotoc, State of Oklahoma, to-wit:

Lots 6, 7, 8, 9, 10, 11, 12 and 13, Block 13, Leader
Addition to the Town of Allen, Pontotoc County, Oklahoma,

together with all the improvements thereon and the appurtenances thereunto belonging, and warrant the title to the same, only
by through and under the grantor herein.
TO HAVE AND TO HOLD said described premises unto the said part V of the second part, its Successors
assigns, forever free, clear, and discharged of and from all former grants, charges, taxes, judgments, mortgages, and other liens
and encumbrances of whatsoever nature.

SIGNED AND DELIVERED this the 17 day of May, 1949

Mamie Bonds

ACKNOWLEDGMENT

STATE OF OKLAHOMA, Pontotoc County, ss.
Believe me, the undersigned, a Notary Public in and for said County and State, on this 17 day of May, 1949, personally appeared
Mamie Bonds, a widow, XXX

to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same
as her free and voluntary act and deed for the uses and purposes therein set forth.
My commission expires 9-23-1950

A. T. Thompson Notary Public

ACKNOWLEDGMENT BY CORPORATION

STATE OF OKLAHOMA, _____ County, ss.
Before me, the undersigned, a Notary Public in and for said County and State, on this _____ day of _____, 1949, personally appeared

to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument at its _____ President,
and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of such corporation,
for the purposes therein set forth.

WITNESS my hand and seal the day and year last above written.
My commission expires _____

Notary Public

QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS:

THAT THE STATE OF OKLAHOMA, ACTING THROUGH THE OKLAHOMA MILITARY DEPARTMENT, by its Adjutant General, Major General Harry M. Wyatt, III, hereinafter referred to as the "Grantor," and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other valuable consideration in hand paid, the receipt of which is hereby acknowledged, does hereby Quitclaim, Grant, Bargain, Sell and Convey unto the **OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**, hereinafter referred to as the "Grantee," the following described Real Property, together with any and all improvements thereon and appurtenances thereunto belonging situated in Pontotoc County, Oklahoma, to-wit:

Lots numbered Six (6) through Seventeen (17) in Block Thirteen (13) of Leader Addition to the Town of Allen, Oklahoma, as shown by the amended plat thereof, and further described by metes and bounds as follows:

Beginning at the southeast corner (SE/c) of the NW/4 of the NE/4 of Section 25, Township Five (5) North, Range Eight (8) East, in Pontotoc County, Oklahoma, thence North along the East boundary of said NW/4 NE/4 24-5N-8E for a distance of 180 feet; thence at right angle West along the North boundary of South Street according to the amended plat to the Leader Addition to the Town of Allen a distance of 220 feet to the Southeast corner of Lot 17 of said amended plat of said Leader Addition for a point of beginning; thence continuing West for a distance of 100 feet to the Southwest corner, said point being the Southwest corner of Lot 14, Block 13 of said Leader Addition to the Town of Allen according to the amended plat thereof; thence at a right angle to the North for a distance of 120 feet to the Northwest corner of Lot 14, Block 13, according to the said amended plat to the Leader Addition of the Town of Allen; thence at right angle to the East for a distance of 100 feet to the Northeast corner of said Lot 17, Block 13, according to said amended plat; thence at right angle to the South for a distance of 120 feet to the Southeast corner of said Lot 17, Block 13, Leader Addition to the Town of Allen according to the amended plat thereof, to said point of beginning; and

Beginning a the Southeast corner (SE/c) of the NW/4 of the NE/4 of Section 25, Township Five (5) North, Range Eight (8) East in Pontotoc County, Oklahoma; thence North along the East boundary of said NW/4 of NE/4 of 25-5N-8E for a distance of 320 feet to the North of Alley, Block 13, according to the amended plat of the Leader Addition to the Town of Allen, Oklahoma; thence at a right angle to the West for a distance of 120.0 feet to the Southeast corner of Lot Six (6), Block 13, amended plat to Leader Addition for a POINT OF BEGINNING; thence continuing West along North line of Alley for a distance of 200 feet to the Southwest corner of Lot 13, Block 13, amended plat to the Leader Addition to the Town of Allen, Oklahoma; thence at right angle to the North for a distance of 120 feet to the Northwest corner of Lot 13, Block 13, amended plat to the Leader Addition to the Town of Allen, Oklahoma; thence at right angle to the East for a distance of 200 feet to the Northeast corner of Lot 6, Block 13, according to the amended plat of the Leader Addition; thence at right angle to the South for a distance of 120 feet to the Southeast corner of Lot 6, Block 13, according to said amended plat to the Leader Addition to the Town of Allen, Oklahoma, the said POINT OF BEGINNING.

**This Transaction Is Exempt from
Document Stamps, 68 O.S. § 3262(11).**

APPENDIX I

LETTER OF INTEREST



State of Oklahoma
Department of Central Services
Real Properties Services

RECEIVED

MAR 17 2006

TRANSMITTAL

Land Pollution Division
Department of Environmental Quality

Project: OMD Armory Property Disposal

Date: March 16, 2006

To: Rita Kottke, Ph.D. - DEQ

Ref: Tishomingo, Allen, Hartshorne, Cushing

Attn: Rita Kottke, Ph.D.

We Are Sending	Submitted For:	Action Taken:
<input type="checkbox"/> Shop Drawings	<input type="checkbox"/> Approval	<input type="checkbox"/> Approval As Submitted
<input checked="" type="checkbox"/> Letter	<input checked="" type="checkbox"/> Your Use	<input type="checkbox"/> Approved As Noted
<input type="checkbox"/> Prints	<input type="checkbox"/> As Requested	<input type="checkbox"/> Returned After Loan
<input type="checkbox"/> Change Order	<input type="checkbox"/> Review And Comments	<input type="checkbox"/> Resubmit
<input type="checkbox"/> Plans		<input type="checkbox"/> Submit
<input type="checkbox"/> Samples	Sent Via:	<input type="checkbox"/> Returned
<input type="checkbox"/> Specifications	<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Returned For Corrections
<input type="checkbox"/> Other	<input type="checkbox"/> Separate Cover Via:	<input type="checkbox"/> Due Date:

Remarks:

Letters of interest from Allen, Cushing, Hartshorne. Letter of refusal from Tishomingo.

CC: Armory disposal files - Tishomingo, Allen, Cushing, Hartshorne.

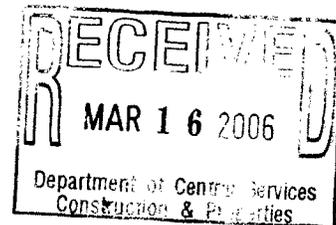
Signed: _____

Alan Ford
Phone: 405-522-0517
Fax: 405-521-3789

TOWN OF ALLEN

109 North Memphis
P. O. Box 402
Allen, OK 74825

March 13, 2006



John S. Richard, Director
State of Oklahoma
Department of Central Services
Construction and Property
Will Rogers Office Bldg. (2401 N. Lincoln) Suite 106
P. O. Box 53448
Oklahoma City, OK 73152-3218

Re: Offer of Armory Building to the Town of Allen

Dear Mr. Richard:

In response to your letter dated February 10, 2006, the Town of Allen does accept your offer to obtain possession of the Armory Building located in Allen, Oklahoma.

Presently, the Allen Public School is using the facility for classrooms and Agricultural functions. If acceptable, the Town's proposed use of the building would be for the continued use by the Allen Public School for classrooms and Ag.

I understand that full disclosure of environmental issues will be provided to all parties and the level of environmental remediation will be determined by Oklahoma Department of Environmental Quality (DEQ). The DEQ plan of action for environmental remediation must be submitted to your department before transfer of title.

Please advise if you need any other requirements from the Town of Allen for the acceptance of this offer.

Sincerely,

A handwritten signature in cursive script that reads "Dianna Brannan".

Dianna Brannan, Mayor

EMAIL FROM CHOCTAW NATION

Mallory, Heather

From: Jason Merida [jbmerida@choctawnation.com]
Sent: Monday, November 27, 2006 4:02 PM
To: Mallory, Heather
Subject: RE: Question

Heather;

To our knowledge there are none of these items within the ½ mile radius of the Hartshorne project. Unfortunately, I cannot address the location in Allen. That community lies within the jurisdictional boundaries of the Chickasaw Nation. You can contact Mack Peterson (mack.peterson@chickasaw.net) at the Chickasaw Nation for more information on that project. If I can ever be of more help to you, please let me know.

Jason Merida, Director
 Choctaw Nation of Oklahoma
 Environmental Office
 P.O. Box 909
 102 Ed Perry Road
 Hugo, OK 74743
 Phone: (580) 326-7501
 Cell: (580) 317-7787
 Fax: (580) 326-7535

From: Mallory, Heather [mailto:heather.mallory@deq.state.ok.us]
Sent: Tuesday, November 21, 2006 2:52 PM
To: jbmerida@choctawnation.com
Subject: Question

I am working on a phase I environmental assessments for National Guard armories in Hartshorne and Allen, Oklahoma. Under the new EPA All Appropriate Inquiry Rule I am required to gather the information listed below. I was wondering if you had any information on the following areas? I am unaware if there is tribal land in these areas.

Areas that tribal environmental information is needed:

I need this information for a ½ mile radius from each property.

- Hazardous waste sites identified for investigation or remediation
- National priorities list sites
- Tribal CERCLIS sites
- Tribal landfills or solid waste disposal sites
- Leaking underground storage tanks
- Voluntary Cleanup Sites and Brownfield Sites

The addresses of the armories are as follows:

Hartshorne armory
 305 South 12th Street (12th and Kali Inla Ave)
 Hartshorne, OK

Allen armory
 903 North Paul Street
 Allen, OK

I appreciate your help in this matter.

Heather Mallory

2/15/2007

Mallory, Heather

From: Mallory, Heather
Sent: Thursday, February 15, 2007 3:40 PM
To: 'mack.peterson@chickasaw.net'
Subject: AAI question regarding Allen, OK

I am working on a phase I environmental assessment for the National Guard armory in Allen, Oklahoma. Under the new EPA All Appropriate Inquiry Rule I am required to gather the information listed below. I was wondering if you had any information on the following areas?

Areas that tribal environmental information is needed:

I need this information for a ½ mile radius from each property.

- Hazardous waste sites identified for investigation or remediation
- National priorities list sites
- Tribal CERCLIS sites
- Tribal landfills or solid waste disposal sites
- Leaking underground storage tanks
- Voluntary Cleanup Sites and Brownfield Sites

The addresses of the armories are as follows:

Allen armory
903 North Paul Street
Allen, OK

I appreciate your help in this matter.

*Heather Mallory
Environmental Programs Specialist
Department of Environmental Quality
(405) 702-5113
heather.mallory@deq.state.ok.us*

DEQ SITE VISIT NOTES

AAI Site Visit

Facility name: Allen Armory
Facility address:

Date of visit: 9-14-06

DEQ staff in attendance: Heather Mallory, Jarrett Keck

People interviewed/affiliation with site: David Lassiter, Superintendent
Kenny Cundiff, VO Ag; Doug Stinson, in guard for 11 yrs;
Dianne Brannon, Mayor

Note: Take a copy of the facility map with you to mark where drains, utilities, and sampling locations are located

Utilities

City water ___ Well City sewer ___ Septic tank
 Natural gas ___ Propane

Underground features

1 removed USTs removed No Vent pipes present closed in place USTs not removed

Above ground features

No Cisterns present No ASTs No Impoundments

Structures on adjoining property

Residential, commercial structures, churches, schools etc

School to the South, Residential to South & East

Onsite information

No Air Emissions No Wastewater Discharge

Suspect Mercury in thermostats:

- old motor pool
- classroom/lab

Site Reconnaissance

Methodology and Limiting Conditions: The method used to observe the property and limitations imposed by physical obstructions or limiting weather conditions.

General Site conditions:

External observations
NO Stained soil or pavement NO Stressed vegetation NO Solid waste

Other:

Internal observations

X Odors NO Pools of liquids NO Drums

NO Musty in vault

X Stains or Corrosion on floors, walls, or ceilings

one drum ~~was~~ used oil in supply room
X leaking roof

Other:

General notes:

~~Roof ~~is~~ leaks~~

Roof leaks in back of diell floor

No IFR or any firing done on sight

Magellian pipeline used to be Sun Ray Oil Refinery

On East side ~~is~~ leaking of / roof

Hot water heaters put out back by school

Possible lead paint on original doors on outside
New overhead doors

Description of adjacent properties

Owner, Property Manager, and Occupant Information

OKNAB

Additional Environmental Record Sources

City Records: e.g. Material Safety Data Sheets for chemicals used at industrial or commercial facilities Land Use Restrictions

N/A

Physical Setting Sources

Historical Use Information on the Property

Historical Use Information on Adjoining Properties

Same as now

Industrial activities

NO Monitoring wells Location:

NO Stained soils Location:

NO Seeps Location:

" Chemical spills Location:

NO Oil and Gas Exploration Describe:

NO Known Groundwater or Surface Water contamination

Describe:

" Farm Wastes

" Known Pesticide Misapplication

" Discharges and Runoff from Adjacent Property Affecting the Site

X Transformers/PCB Equipment Location: SE of armory

Describe:

Other known or Suspected Environmental Concerns On the Site

NO

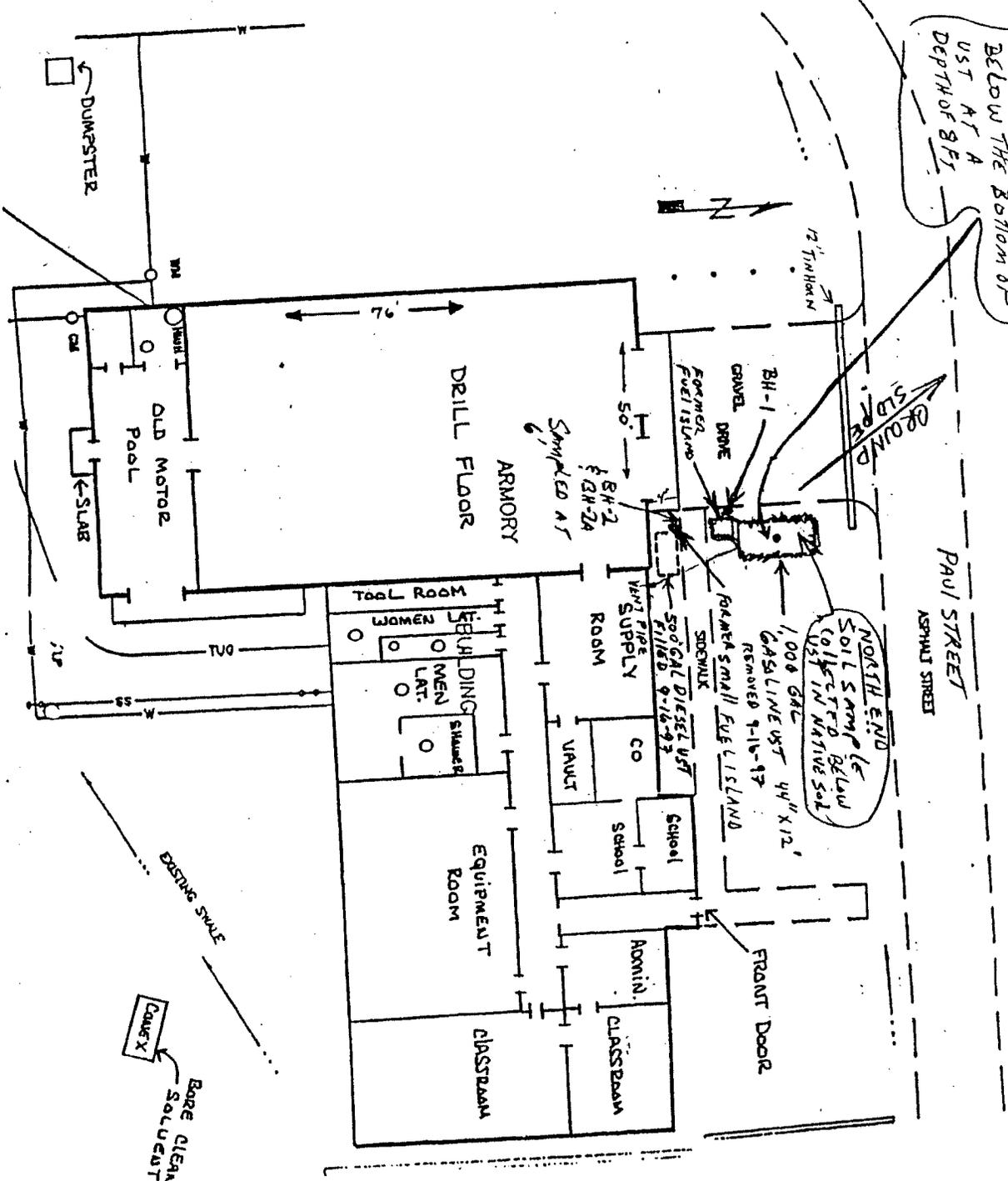
Historical Recognized Environmental Conditions On the Site

Current Use of the Property

Descriptions of Structures, Roads, Other Improvements on the Site

SOIL SAMPLE COLLECTED DIRECTLY BELOW THE BOTTOM OF UST AT A DEPTH OF 8 FT.

SOIL SAMPLE COLLECTED BELOW UST IN NATIVE SOIL



NOT TO SCALE

Base Cleaning Solvent
Canary

EXISTING SINK

O - FLOOR DRAIN

ALLEN ARMORY
ALLEN, OKLAHOMA

BUILT:
Drill Floor: 1946
Admin: 1957

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

Environmental Professional Qualifications

Heather Mallory holds a Bachelors and Masters Degree in Environmental Science from the University of Oklahoma. Mrs. Mallory has 5 years experience in environmental sampling and technical studies. She is an Environmental Programs Specialist with the Land Protection Division of the Oklahoma Department of Environmental Quality. Her responsibilities include: project management of the Tar Creek Superfund Site, conducting Targeted Brownfield Assessments, and project management of remediation and sampling associated with the Site Cleanup Assistance Program.

Rita R. Kottke, Ph.D., holds a Doctorate in Environmental Science from Oklahoma State University. She is an Environmental Programs Manager with the Land Protection Division of the Oklahoma Department of Environmental Quality. She functions as the DEQ's Brownfield Coordinator, Brownfield Cleanup Revolving Loan Fund Contact, Superfund Site Redevelopment Contact, Superfund Emergency Response Contact, Land Revitalization/Reuse Contact, and as a liaison between the state, EPA, and local communities. Her responsibilities also include acting as technical project manager at various Voluntary Cleanup and Superfund sites within the state. She has been with the agency for thirteen years, working in the Superfund and Brownfields Programs. She has 13 years experience performing site assessments of real property. She was heavily involved in the formulation of the Brownfields Program's implementing rules, the negotiation of DEQ's Brownfields Memorandum of Agreement (MOA) with EPA, and the development of the Brownfield Cleanup Revolving Loan Fund Grant Proposal.

Angela Brunzman holds a Bachelors Degree in Environmental Science and a Masters Degree in Construction Science from the University of Oklahoma. Ms. Brunzman has 12 years experience working for the state of Oklahoma in the environmental remediation field. Duties have included managing Superfund sites, coordinating with local, state, and federal agencies, and currently managing the state Site Cleanup Assistance Program.