

Appendix 6: Hazardous Materials Initial Site Assessment



Oklahoma Department of Transportation

Planning & Research Division

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DATE: March 25, 2008

TO: Joan Lindley, NEPA Coordinator

FROM: Greg Worrell, Hazardous Waste Coordinator *GW*

SUBJECT: Review of Hazardous Waste/LUST Study Submitted by Carter-Burgess for Proposed Reconstruction of US-70 from 6.4 miles East of Broken Bow to the Arkansas State Line in McCurtain County. JP# 17427(04)

An Initial Site Assessment (ISA), dated August 13, 2004, was performed by Carter-Burgess for US-70 from SH-3 in Broken Bow eastward to the Arkansas State Line. The ISA found no Recognized Environmental Concerns for the subject project. No mitigation measures are necessary at this time.

GAW

Xc: Bill Simon, Project Management Division

INITIAL SITE ASSESSMENT

for

US 70: From SH 3 in Broken Bow to the Oklahoma/Arkansas State Line McCurtain County, Oklahoma

**Preliminary Engineering Project No. HPPY-1031(002)HP
Job Piece No. 17427(05)**

Prepared for:

OKLAHOMA DEPARTMENT OF TRANSPORTATION

Prepared by:

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C&B PROJECT NO. 02209401

AUGUST 2004

**INITIAL SITE ASSESSMENT
US 70: From SH 3 in Broken Bow
to the Oklahoma/Arkansas State Line Project
McCurtain County, Oklahoma**

**Preliminary Engineering Project No. HPPY-1031(002)HP
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August 13, 2004

Prepared by Carter & Burgess, Inc.

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INTRODUCTION

Carter & Burgess, Inc. has completed an Initial Site Assessment (ISA) for the US 70 project in McCurtain County, Oklahoma. The proposed limits of the project begin 6.4 miles east of the junction of SH 3 in Broken Bow and extends east to the Oklahoma/Arkansas state line. The proposed project would upgrade US 70 from a two-lane undivided roadway facility to a four-lane divided roadway facility with shoulders. This ISA was performed in accordance with the request and authorization of the Oklahoma Department of Transportation (ODOT).

Purpose

The purpose of the ISA was to evaluate current and past uses of the proposed project corridor area and its surroundings, assessing the potential for recognized adverse environmental conditions that could be the result of current or historical activities within and along the boundaries of the proposed project corridor. Specifically, the objective of the ISA was to identify potential sites, as well as any conditions that might indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the ground, groundwater, surface water within the vicinity of the proposed corridor and surrounding properties. The descriptions of these conditions will reflect the reporting of secondary information sources used to inspect potential sites and identify unlisted sites (if any).

Special Terms and Conditions

This ISA is qualitative in nature, based on available existing information, record search, and field observations. Field observations were limited to a windshield survey of adjacent properties. This assessment did not include the collection or analysis of soil, air, water, or material samples. No oil and gas, and water well database searches were conducted as a part of this scope of services. In addition and as specified by ODOT, a 50 year chain-of-title search identifying property ownership, easements, leases, recorded waste management units, and environmental liens was not conducted as a part of this scope of services.

Methodology Used

A search of federal and state regulatory agency databases was performed to identify potential hazardous/regulated materials sites and facilities located within and along the boundaries of the proposed corridor. The data and facilities information was supplied by GeoSearch of Austin, Texas. Additional sources such as the Internet, city maps, and city directories were also used to identify potential sites.

Note that this database search should be considered as an initial screening type assessment to indicated areas of potential concern for further study or precautionary actions. These limitations should be recognized when consideration is given to various alternatives for future actions.

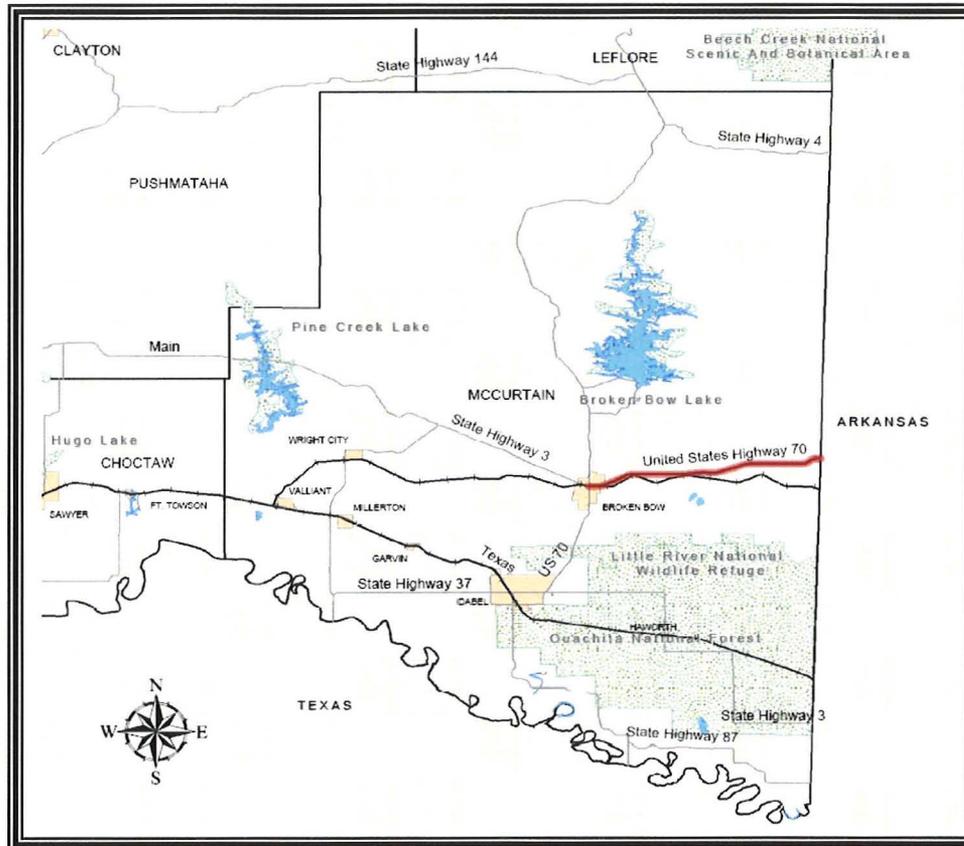
PREVIOUS ENVIRONMENTAL ASSESSMENTS

This ISA did not reveal the existence of any previously conducted ISAs, environmental site assessments, or preliminary site assessments for the proposed corridor.

PROJECT SETTING

The proposed project corridor is located within McCurtain County, Oklahoma between Broken Bow and the Arkansas state line along US 70. McCurtain County borders the Texas state line to the south and Arkansas state line to the east in southeastern Oklahoma. Broken Bow is located in southeastern Oklahoma in McCurtain County along US Highway 70/259 south of Broken Bow Lake and the Ouachita National Forest. Figure 1.1 shows the location of the corridor study area.

Figure 1.1 Corridor Study Area



HISTORICAL REVIEW

The historical use of the proposed project corridor was reviewed using available aerial photographs. Recent aerial photographs were reviewed to assist in reconstructing the history of the site and surrounding area. No historic maps (Sanborn fire insurance map) were reviewed for this project.

Aerial Photographs

The aerial photographs depicts the existing US 70 roadway facility beginning just east of the junction of SH 3 in Broken Bow and extending towards the Oklahoma/Arkansas state line. Surrounding properties along the US 70 appeared to be mostly undeveloped (pastureland and woody vegetation) with sparsely scattered residences and small businesses along the US 70 corridor boundaries.

REGULATORY DATABASE REVIEW

This ISA provides a hazardous materials (soil contamination, product storage, hazardous waste sites, or other potential liabilities) inventory of potential hazardous/regulated sites and their locations within the vicinity of the US 70 project corridor.

Environmental records for the proposed project and surrounding properties were investigated by reviewing records maintained by the U.S. Environmental Protection Agency (EPA), Oklahoma Department of Environmental Quality (DEQ), the Oklahoma Water Resources Board (OWRB), and the Oklahoma Corporation Commission (OCC).

At the national level, the EPA oversees control of hazardous materials. The EPA maintains several databases of information regarding hazardous materials sites to aid in classification, prioritization, and cleanup of the identified facilities. For this project, EPA databases were reviewed for facilities providing notification of hazardous waste activity under the Resources Conservation and Recovery Information System (RCRIS) to include RCRIS Corrective Actions Sites (CORRACTS). EPA databases were also reviewed for sites on the Comprehensive and Liability Act (CERCLA) National Priorities List (NPL), potential or abandoned hazardous waste sites maintained on the CERCLA Information System (CERCLIS), No Further Remedial Action Planned (NFRAP), and spill incidents reported on the Emergency Response Notification System (ERNS).

The DEQ, OWRD, and the OCC have authority under the EPA for facilities operating and managing various hazardous waste activities within the state of Oklahoma. These state agencies maintain the databases to aid in management of these facilities. For this project, the DEQ databases were reviewed for hazardous and solid waste management facilities, State Equivalent Priority List (SPL), State Equivalent CERCLIS List (SCL), municipal solid waste landfills, brownfields, air quality records, toxic release inventory, and spill incident reports. The OCC's existing databases were reviewed for aboveground petroleum storage tanks (AST) and underground petroleum storage tanks (LUST), and oil and gas wells activities. The database for existing state groundwater wells were obtained through the OWRB.

The location of all known or potential hazardous materials/waste sites were mapped illustrating their relationship to the proposed project corridor as shown in Appendix A. Database information for each site identified is also included in Appendix A.

Survey of Oil and Gas Activities

No evidence of oil and gas well activities located within the boundaries of the proposed project area was determined during the field survey (i.e., dry holes, abandoned locations, disposal, injection). Additional assessment (database search) may be required for confirmation of these findings.

Water Well Search

No evidence of water wells was identified within the boundaries of the proposed project area during the field survey (i.e., domestic or water supply wells). Prior to any planned construction, a more detailed search (database) may be required to supplement this assessment. Before 1973, the OWRB did not require water well drillers to submit well logs on any wells drilled in Oklahoma. Beginning in 1983, well logs on domestic wells were required. In the early 1990's, monitoring wells were added to the list of wells requiring submittal of logs. It is estimated that approximately 30 to 50 percent of all wells logs are submitted for all wells drilled in the state of Oklahoma.

Hazardous Material Data Base Search

A hazardous material/waste data search and survey of pre-existing hazardous waste sites within the study corridor was conducted to identify potentially contaminated areas located with the boundaries of the proposed project corridor.

The record search revealed no CERCLIS, NPL, CORRACTS, RCRA-TSD, SPL, SCL, SWLF listings within the boundaries of the proposed project. The listings identified within the records search boundaries are as follows:

Underground Storage Tanks

Review of the underground storage tank (UST) listing revealed seventeen UST facilities located within 0.25 mile of the proposed project corridor. Only a slight potential exists that contamination from these facilities could impact soil or groundwater within the proposed project corridor area. The facilities are listed as:

- FFP # 526, 605 Martin Luther King Drive Highway 70 East, Broken Bow, Oklahoma 74728 – Facility Identification # 4510445
- Thomason Lumber & Timber Company, Highway 70 East, Broken Bow, Oklahoma 74728 – Facility Identification # 4502995
- Jimmie Tucker Trucking, Inc., Highway 70 East, P.O. Box 428, Broken Bow, Oklahoma 74728 – Facility Identification # 4503093

- Larry's Garage, 220 Martin Luther King Boulevard, Broken Bow, Oklahoma 74728 – Facility Identification # 4513261
- Lewis Total, 200 East Craig Road, Broken Bow, Oklahoma 74728 – Facility Identification # 4504517
- K & K Country Store, Highway 70, 9 mile east of Broken Bow, Eagletown, Oklahoma 74734 – Facility Identification # 4511997
- Binger Oil Company Inc., 217 West Craig Road, Broken Bow, Oklahoma 74728 – Facility Identification # 4508878
- Tommy's Four Way Conoco, 217 West Craig Road, Broken Bow, Oklahoma 74728 – Facility Identification # 4508881
- Texas, Oklahoma and Eastern Railroad, 102 East Craig Road, Broken Bow, Oklahoma 74728 – Facility Identification # 4508441
- Tommy D. Rudisill, 101 East Craig, Broken Bow, Oklahoma 74728 – Facility Identification # 4512080
- Triple M Supply, 2.5 mile east of Broken Bow on Highway 7, Broken Bow, Oklahoma 74728 – Facility Identification # 4513492
- EZ Mart Store # 95, 305 Craig Road, Broken Bow, Oklahoma 74728 – Facility Identification # 4504498
- B B Truck Stop, 5 minutes north of Broken Bow on US 259, Broken Bow, Oklahoma 74728 – Facility Identification # 4508880
- Broken Bow Short Stop, 21 North Park, Broken Bow, Oklahoma 74728 – Facility Identification # 4500121
- Thomas Service Station, 6 mile east Highway 70, Broken Bow, Oklahoma 74728 – Facility Identification # 4501109
- EZ Mart Store # 3, 101 North Park Drive, Broken Bow, Oklahoma 74728 – Facility Identification # 4504485
- Broken Bow Office & Operation Center, 110 East 3rd, Broken Bow, Oklahoma 74728 – Facility Identification # 4508752

Leaking Underground Storage Tanks

Review of the leaking underground storage tank (LUST) listing revealed three LUST facilities within 0.50 mile of the proposed project corridor. Substance leaked and media affected for the three facilities were not reported. Remediation

for only one facility is reported as active. It is expected that only a slight potential exists that contamination from these facilities could impact soil or groundwater within the proposed project corridor area. The facilities are listed as:

- Stafford Grocery, 210 East Craig, Broken Bow, Oklahoma 74728 – Facility Identification # 4510567 – Case Status: Closed 08/92
- Broken Bow Short Stop, 21 North Park, Broken Bow, Oklahoma 74728 – Facility Identification # 4500121 – Case Status: Active Facility
- Burkes Convenience Store, 702 North Park Drive, Broken Bow, Oklahoma 74728 – Facility Identification # 4512044 – Case Status: Closed 3/18/97

**Resource Conservation and Recovery Information System (RCRIS) –
Corrective Action**

Review of the RCRIS – Corrective Action database revealed two facilities located within 0.1 mile of the proposed project corridor. Both facilities are wood preservation operations requiring corrective action measures per their perspective compliance orders. Current status of both compliance orders was reported as having been met and no further remediation planned is required for either facility. Based on this formation, potential environmental impact to the proposed project corridor associated with the facilities is very low. The facilities are as follow:

- Thomason Lumber & Timber Company, Silvey Road Highway 70 East, Broken Bow, Oklahoma 74728 – EPA Identification # OKD007335524
- Huffman Wood Preserving Company Inc., Highway 70 East, Broken Bow, Oklahoma 74728 – EPA Identification # OKD053128492

**Resource Conservation and Recovery Information System –
Generator/Handler**

Review of the RCRIS - Generator/Handler database revealed three registered facilities located within 0.25 mile of the proposed corridor. This includes: one large quantity generator of over 1000 kilograms per month (kg/mo) of hazardous wastes generated onsite; one small quantity generators of between 100 and 1000 kg/mo of hazardous wastes generated onsite; and one conditionally exempt small quantity generator of less than 100 kg/mo of hazardous wastes generated onsite. Only one facility, L D McFarland CO (large quantity generator) was listed in violation of the TSD-General Standards. This facility received an informal written enforcement on July 30, 2002. No other violations were noted. Based on this formation, potential environmental impact to the proposed project corridor associated with the facilities is very low. The facilities are as follows:

- L D McFarland Co., Silvey Road North Side of Property Highway 70, Broken Bow, Oklahoma 74728 – EPA Identification # ODR000018044

- Jimmy Tucker Trucking Inc., 0.25 mile east of Town on Highway 70 East, Broken Bow, Oklahoma 74728 – EPA Identification # OKD981900699
- Thomas Machine & Motor Supply, Highway 70 east 6 mile South Side Road, Broken Bow, Oklahoma 74728 – EPA Identification # OKD987085321

Emergency Response Notification System

Review of the ERNS database revealed one accidental release of hazardous substances (natural gas) into the environment (air release) within 0.25 mile of the proposed corridor. All releases were resolved. Based on the available information reviewed during this investigation, the potential environmental impacts to the proposed project corridor associated with the previously mentioned releases are very low to none. The facility associated with this response is:

- 204 East Third Street, Broken Bow, Oklahoma 74728 – Identification # 95292336.

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Initial Site Assessment**

UNMAPPED SITES

Table 1.1 is a list of unmapped sites that were identified outside the one mile linear boundary of the proposed corridor search. This list of sites are not expected to impact the proposed corridor but may be useful in identifying environmental and design constraints that could influence corridor development and route alignment as this project proceeds.

Table 1.1 Unmapped Sites

SITE NAME	SITE ADDRESS	CERCLIS /NFRAP	RCRISG	LUST	UST	AST	ERNS	NOTIFIERS
Bailey-Mulkey Post Company	On US 70, About 5 mi East of Junction, Broken Bow, OK 74728	X						
Weyerhaeuser Co.	RTE 1 Box 516, Broken Bow, OK 74728		X					
Big Frank's Sports Center	Hwy 259 North, Broken Bow, OK 74728			X				
Piper's Little Super Market	N Park Drive, Broken Bow, OK 74728			X				
Broken Bow Truck Stop	E Craig Rd, Broken Bow, OK 74728			X				
OK Dept of Ag/Forestry Division	P.O. Box 40, Broken Bow, OK 74728			X				
Lake Pine Retreat (J. Reinhart)	Rt. 4 Box 36, Broken Bow, OK 74728				X			
Daryl Thomason Trucking, Inc.	Hwy 3 & 7 West, Broken Bow, OK 74728				X			
Big Frank's	Hwy 259 North, Broken Bow, OK 74728				X			
Glover Elementary School	Rt. 3 Box 385, Broken Bow, OK 74728				X			
Weyerhaeuser Company	Rt. 1 Box 618, Broken Bow, OK 74728				X			
Weyerhaeuser	Rt. 4 Box 34-2, Broken Bow, OK 74728				X			
Weyerhaeuser – Don Dale – Area	Star Route Box 520, Eagletown, OK 74734				X			
Holly Creek School	Rt. 2 Box 260, Broken Bow, OK 74728				X			
Broken Bow Self Serve # 17	Hwy 259 S, Broken Bow, OK 74728				X			
D – W Bait # 005	Hwy 259, Broken Bow, OK 74728				X			
Clark O. Stop	Hwy 70, Eagletown, OK 74734				X			
Broken Bow Lake	US Hwy 259A, Broken Bow, OK 74728				X			
City of Broken Bow	STR Dept, Broken Bow, OK 74728				X			
Eaglecash Grocery	Hwy 70, Eagletown, OK 74734				X			
Mt. Hermon Grocery	Hwy 70, Broken Bow, OK 74728				X			
Piper's Little Super Market	N Park Drive, Broken Bow, OK 74728				X			
Mountaineer Cabins	Hwy 259 N, Broken Bow, OK 74728				X			
Eagletown School	Address Unknown, Eagletown, OK 74734				X			
Broken Bow Truck Stop	E Craig Rd, Broken Bow, OK 74728				X			
OK Dept. of Ag/Forestry Division	P.O. Box 40, Broken Bow, OK 74728				X			
OK Dept. of Ag/Forestry Division	Rt. Battiest, Box 515, Broken Bow, OK 74728				X			
Stafford Grocery	Rt. 3 Box 350, Broken Bow, OK 74728				X			
Stateline Grocery	Star Rt. Box 360, Eagletown, OK 74734				X			
C & A Grocery	Box 539, Eagletown, OK 74734				X			
Lake Side Grocery	Address Unknown, Broken Bow, OK 74728				X			
Eagletown Hardware	Address Unknown, Eagletown, OK 74734				X			
Jot UM Down	Pickens Route Box 735, Broken Bow, OK 74728				X			
Lesperance Diamond Shamrock	Hwy 70 East, Broken Bow, OK 74728				X			
Eagletown School	P.O. Box 38, Eagletown, OK 74734				X			

SUMMARY

Based on the available information reviewed during this assessment, this ISA revealed no evidence of recognized adverse environmental conditions in connection with the proposed project corridor. The proposed project corridor appears to avoid most tracts that indicate a potential for environmental impact within the project area; however, the following potential concerns were noted:

- The proposed project may involve excavation at locations within the proposed project area, such as abandoned and/or existing railroad crossing, tracks, and ancillary equipment (such as crossties, switches, rail, trim, fasteners), utility relocations, and right of way easements, which may require further assessment to evaluate potential releases.
- No evidence of water wells was identified within the immediate vicinity of the proposed project area during the field survey (i.e., domestic or water supply wells). Prior to any planned construction, a more detailed search may be required to supplement this assessment.
- No evidence of oil and gas well activities located within the boundaries of the proposed project area was determined during the field survey (i.e., dry holes, abandoned locations, disposal, injection). Additional assessment may be required for confirmation of these findings.

Any unanticipated hazardous materials and/or petroleum contamination encountered during construction would be handled according to applicable federal and state regulation per ODOT Standard Specifications.

The contractor will respond appropriately to prevent, minimize, and control the spill of hazardous materials in the construction staging area. The use of construction equipment within sensitive areas will be minimized or eliminated. All construction materials used for this project will be removed as soon as work schedules permit.