KAW LAKE WATER SUPPLY STUDY

CITY OF BARTLESVILLE, OKLAHOMA

DECEMBER 2024

Prepared By:

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ABBREVIATIONS

Abbreviation	Description
AFY	Acre-Feet per Year
BMA	Bartlesville Municipal Authority
$CaCO_3$	Calcium Carbonate
CEC	Constituents (Contaminants) of Emerging Concern
cfs	Cubic feet per second
CRWPS	Caney River Raw Water Pump Station
CWWTP	Chickasaw Wastewater Treatment Plant (City of Bartlesville)
DBP	Disinfection By-Products
DEQ	Department of Environmental Quality (Oklahoma)
DPR	Direct Potable Reuse
EA	Environmental Assessment
FOA	Funding Opportunity Announcement
FS	Feasibility Study
FY	Fiscal Year
GAC	Granular activated carbon
GenX	GenX chemicals are considered a replacement for PFOA
HFPO-DA	Hexafluoropropylene oxide dimer acid
HQW	High Quality Water
IPR	Indirect Potable Reuse
MG, MGD	Million Gallons, Million Gallons per Day
MIB	2-Methylisoborneol
NPDWR	National Primary Drinking Water Regulation
NTU, ntu	Nephelometric turbidity unit
O&M	Operation & Maintenance
OAC	Oklahoma Administrative Code
OCWP	Oklahoma Comprehensive Water Plan
ODEQ	Oklahoma Department of Environmental Quality
OPDES	Oklahoma Pollutant Discharge Elimination System (Permit)
ORW	Outstanding Resources Water
OWQS	Oklahoma Water Quality Standards
OWRB	Oklahoma Water Resources Board
PAC	Powder activated carbon
PAS	Planning Assistance to States

PFBS	Perfluorobutane sulfonic acid
PFHxS	Perfluorohexanesulfonate
PFNA	Perfluorononanoic acid
PFOS / PFOA	Perfluorooctane sulfonate / perfluorooctanoic acid
POD	Point of Discharge
QA/QC	Quality Assurance / Quality Control
RWD	Rural Water District
S2E	S2 Engineering, PLLC
T&O	Taste and Odor
TMDL	Total maximum Daily Load
TN	Total Nitrogen
TNC	The Nature Conservancy
TOC	Total organic carbon
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USEPA, EPA	U.S. Environmental Protection Agency
USFW	U.S. Fish and Wildlife Service
USGS	US Geological Survey
WLA	Waste Load Allocation
WQ	Water Quality
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant

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EXECUTIVE SUMMARY

INTRODUCTION

The City of Bartlesville through its Water Resources Committee (WRC) is investigating additional water supply options and has identified Kaw Lake as a potential long-term raw water supply alternative. Currently, Bartlesville does not have either water rights or infrastructure necessary to convey Kaw Lake water to Bartlesville. S2 Engineering, PLLC (S2E) was contracted to provide professional engineering services to determine estimated costs to access and convey water from Kaw Lake to Bartlesville's Hudson Lake, which is the scope of this project.

Key assumptions related to the project are as follows:

- The Kaw Lake water supply system must be able to provide a minimum of 14 mgd with options for 18 mgd and 22 mgd as established by Bartlesville.
- Bartlesville completed a study in 2007 through the U.S. Army Corps of Engineers that included the Kaw Lake as a potential supply alternative. The findings from this study will be updated and included in the project as an alternative.

This study evaluated Kaw water supply in terms of its water quality, intake locations, intake pump stations and the pipeline conveyance system need as summarized below.

KAW LAKE WATER QUALITY AND AVAILABILITY

KAW WATER QUALITY

Section 1 of the report report covers water quality data collection, analysis, and a comparative evaluation with the existing Hulah and Caney River water supplies to assess any significant impact to Bartlesville's water treatment plant process.

City of Stillwater has been using Kaw water as its primary supply for more than 30-years, and City of Enid has recently completed new pipeline to Kaw as a supplemental source. S2E and Bartlesville staff consulted and gathered useful data from Stillwater and Enid. In addition, available data from the Oklahoma Water Resources Board, US Army Corps of Engineers, Oklahoma Department of Environmental Quality, US Geological Survey, and the Kaw Nation Environmental Department were gathered and used in the analysis.

The conclusions of the analysis are as follows:

- **Conventional Parameters.** In terms of conventional parameters (pH, turbidity, alkalinity, hardness, total organic carbon, total dissolved solids), Kaw water quality is comparable to Bartlesville's existing Hulah and Caney water supplies, and therefore, it should not have significant impact to the existing water treatment plant process and operational costs.

- **Other Pollutants of Concern.** As to the presence of other pollutants (PFAS, CECs, etc.) of concern, very limited data was available for this study. Kaw Lake drainage basin is large

extending from Oklahoma, to Kansas, Colorado, and a small portion of New Mexico with well established aerospace, military, and other industrial complexes. There is limited data available for this study for the Kaw Lake to make an evaluation for these pollutants. However, if Bartlesville decides to pursue the Kaw Lake supply, we recommend Bartlesville to include more detailed evaluation for these pollutants including sampling from Kaw Lake.

KAW LAKE WATER RIGHTS AND STORAGE FEE

Based on information obtained from the OWRB, the following summarizes the water supply pool with existing water rights permit and volume still available for allocation. As summarized, approximately 37,637 acre-feet (33.6 mgd) is available for allocation.

Permit #. Permit Holder	Primary Purpose	Total Authorized (Acre Feet)	2022 Actual Water Use
19690327 Newkirk, City of	Public Water Supply	1,124.0	
19720491 Stillwater, City of	Public Water Supply	56,210.0	8,110.3
19730235 Oklahoma Gas & Electric Company	Power	40,000.0	19,134.2
19810180 Kaw Reservoir Authority	Public Water Supply	14,159.0	
19870031 Tonkawa, City of	Public Water Supply	2,800.0	
19910018 Otoe-Missouria Tribe	Public Water Supply	200.0	
19930034 Ponca City, City of	Public Water Supply	14,031.0	1,683.5
20030001 Perkins PWA	Public Water Supply	879.0	
20140047 City of Enid	Public Water Supply	20,000.0	
		149,403.00	**28,928.0**
TOTAL WATER SUPPLY STORAGE (YIELD)		**187,040.00**	
TOTAL AMOUNT LEFT FOR ALLOCATION		**37,637.00**	

Kaw Lake is a federally owned and operated lake, managed by the USACE. But the surface water rights are granted by the State of Oklahoma through the Oklahoma Water Resources Board (OWRB). USACE sets the storage fee and the approval process for any infrastructure construction at the lake. OWRB controls the water rights and requires a prescribed process to secure such rights.

Based on information obtained from the USACE, the current cost of the available water supply storage at Kaw Lake is $46,163,683 for 46,186 acre-feet of storage, or approximately $999.52 per acre-foot. As of July 17, 2024, the USACE provided the following for storage fee. These are estimates at this point in time, and accrued interest continues to rise so these are not fixed prices but will vary in the future.

- For 14 MGD, 15,638 acre-feet, Storage Fee =$16,009,089*
- For 18 MGD, 20,164 acre-feet, Storage Fee =$20,642,491*

- For 22 MGD, 24,644 acre-feet, Storage Fee =$25,228,802*

  *Plus, annual maintenance cost share as determined by USACE

KAW LAKE INTAKE EVALUATION

INTAKE LOCATIONS

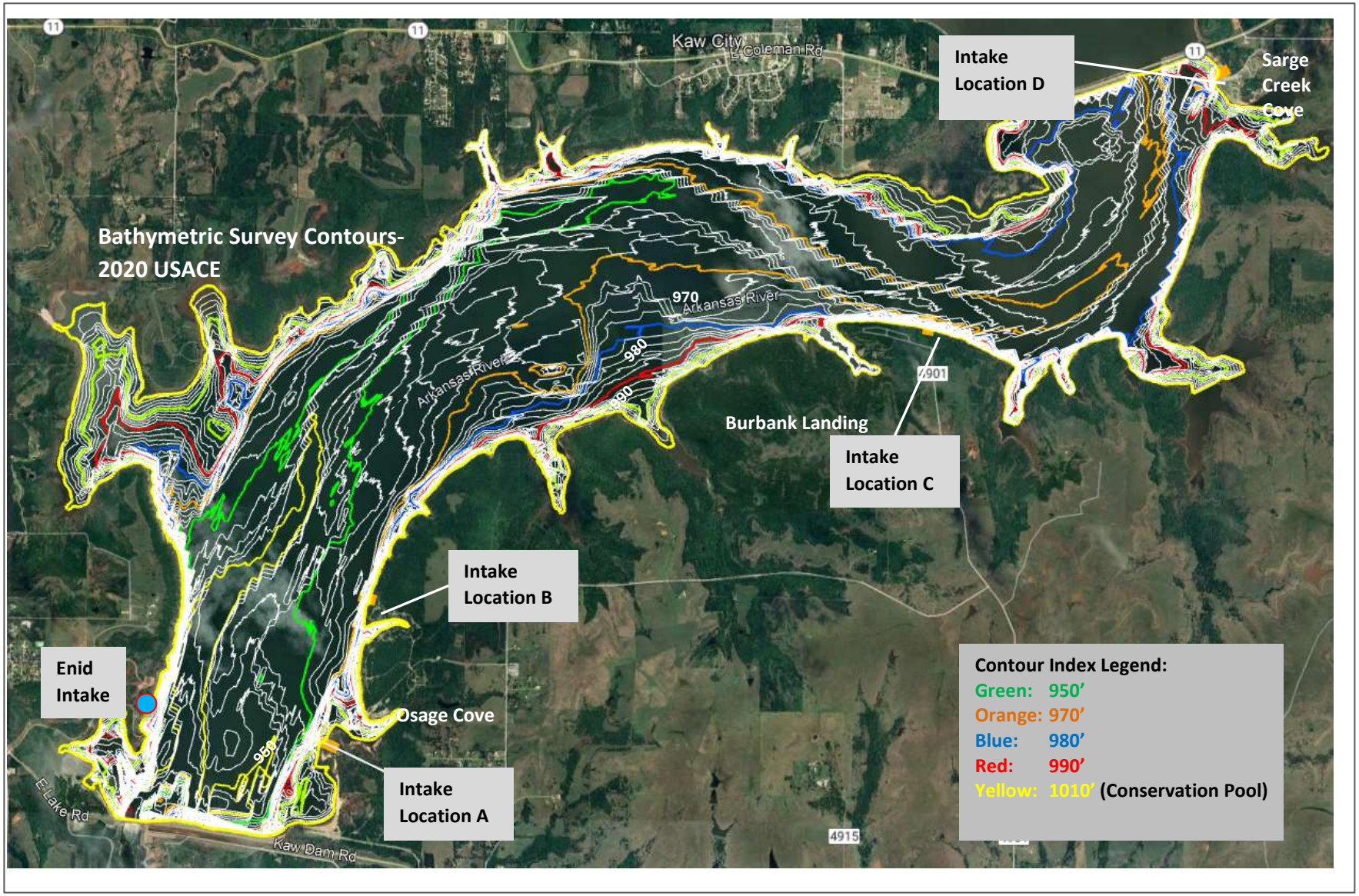
Section 2 covers the Kaw Lake intake location evaluation. The original Kaw Lake and dam structure included two sluice gates that are used for hydroelectric power generation by the Oklahoma Municipal Power Authority (OMPA). These sluice gates are not available for water supply. There is also a 48-inch-diameter water supply pipe located in the right non-overflow section that currently serves the City of Stillwater. This is a single level intake located at an elevation of 970.0 feet which is below the inactive pool elevation. The 48" supply line is originally intended for the Kaw Lake Water Authority for the benefit of the City of Stillwater and the City of Ponca City. Stillwater has a connection from the 48" supply to its pump station from where it is pumped to their water treatment plant. Ponca City has a connection to this line but does not have connecting conveyance system to its treatment plant. This intake has limited capacity beyond Stillwater and Ponca City water rights, and therefore, connection to the intake was not included in the analysis.

City of Enid is constructing a new intake structure on the west bank of Kaw Lake. This intake consists of a submerged three-level intake screens connected to a 42" common pipe header that connects to the 72" micro tunnel that extends approximately 500-feet to a new shore intake concrete well (35-feet diameter) and pump station with three vertical turbine pumps. A 30-inch conveyance pipe extends from the pump station approximately 70-miles to the Enid water treatment plant. Initial information gathered from Enid indicates that the intake pump station is dedicated for meeting Enid's long term needs and their obligation to the Osage Nation, and there is not additional capacity to meet Bartlesville's long term needs.

In 2020 USACE completed bathymetric survey for Kaw Lake. This information was used to identify and evaluate four potential intake locations. These four intake locations were evaluated based on water quality, water depth, proximity to shoreline, permitting, constructability and operation and maintenance considerations. Based on this evaluation Location C was selected as the most optimal location.

Figure ES-1 shows the four locations as well as the 2020 USACE bathymetric survey information.

Figure ES-1 Kaw Lake Bathymetric Survey Contour and Potential Intake Locations



INTAKE TYPES

The conveyance of water from Kaw Lake to Bartlesville Lake Hudson will require new intake and pumping facilities. Four types of intakes were evaluated : Submerged Intake with Onshore Pump Station, Intake Tower with Onshore Pump Station, Intake Combined with Pump Station and Floating Intake Combined with Pump Station. Comparative evaluation of these four intakes is provided in Section 2.6. Based on this evaluation and input from Bartlesville staff, Submerged Intake with Onshore Pump Station was selected for this study.

PERMIT REQUIREMENTS

For any new intake structure at the Kaw Lake, the following permit requirements will be applicable:

- Section 408 Permit. The proposed intake locations are within the US Government land around the Kaw Lake. Section 408 permit administered by the USACE will be required for alterations proposed within the lands and real property interest of the USACE.
- Section 404 Permit. Section 404 permit administered by the USACE will be required for discharge of dredging or filling material into any waters of the USA, including wetlands.
- Section 10 Permit. Section 10 permit under the Rivers and Harbors Act of 1899 may be required for activities in navigable waters such as dredging, construction of docks and bulkheads and placing aids to navigation.
- Section 401 Water Quality Certification. Section 401 Water Quality certification by the state will be required. Under Section 401 of the Clean Water Act (CWA), a federal agency may not issue a permit or license to conduct any activity that may result in any discharge into waters of the United States unless a Section 401 water quality certification is issued, or certification is waived. States and authorized tribes where the discharge would originate are generally responsible for issuing water quality certifications.
- Water Rights Permit. Bartlesville currently does not have any water rights on Kaw Lake. Storage rights and water rights from the United States Army Corps of Engineers(USACE) and the Oklahoma Water Resources Board (OWRB), respectively, will be required to access water at Kaw Lake. In addition, there are still certain unresolved issues between the Osage Nation and the OWRB regarding water rights which may impact the new water rights.
- ODEQ Permit to Construct. For the intake infrastructure, a permit to construct from Oklahoma Department of Environmental Quality (ODEQ) will be required.

PIPELINE ALIGNMENT

ALIGNMENT

Section 3 discusses the pipeline alignments. The proposed system will convey raw water from Kaw Lake intake to a discharge point in the upper reaches of Hudson Lake at Butler Creek. The intake facilities

include an intake structure, pump station and location-specific discharge piping called “spur” piping which connect to the main pipelines.

Two alignments – Alignment 1 and 2 – were identified and evaluated. Figure ES-2 shows an overview of each alignment from the selected intake Location C.

Alignment 1 is the most remote and least accessible but is the shortest (48.7 miles). It also generally follows the alignment proposed earlier by the U.S. Corps of Engineers 2007 study.

Alignment 2 has better accessibility but longer in length (52.9 miles). The POB for Alignment 2 is at the same point as Alignment 1 just west of County Road 4901 approximately 4.5 miles east of the east abutment of the Kaw Lake dam and 0.75 miles north of Highway 60.

PIPE SIZE AND MATERIAL

The study objective is to provide a design flow of 14 million gallons per day (MGD) with options for 18 MGD and 22 MGD. A minimum 36-inch pipe size is recommended to maintain a reasonable pipe velocity. However, based on pipe pressure considerations and pump size, 42-inch is also evaluated in the analysis. For Alignment 1, 36-inch pipe size is adequate for flow up to 18 MGD but a 42-inch pipe is recommended for the 22 MGD flow option. For Alignment 2, 36-inch pipe size is adequate for flow up to 18 MGD but a 42-inch pipe is recommended for the 22 MGD flow option

For raw water transmission pipelines steel, ductile iron and concrete pipe materials are typically used. PVC or high density polyethylene pipe materials are also used in some instances but in large sizes (greater than 24”), the pressure ratings and wall thickness considerations make them less desirable. The alignment route is known to have petroleum pipeline crossings and from corrosion considerations steel bar-wrapped concrete pipe material is preferred and is assumed in the analysis.

PERMITS

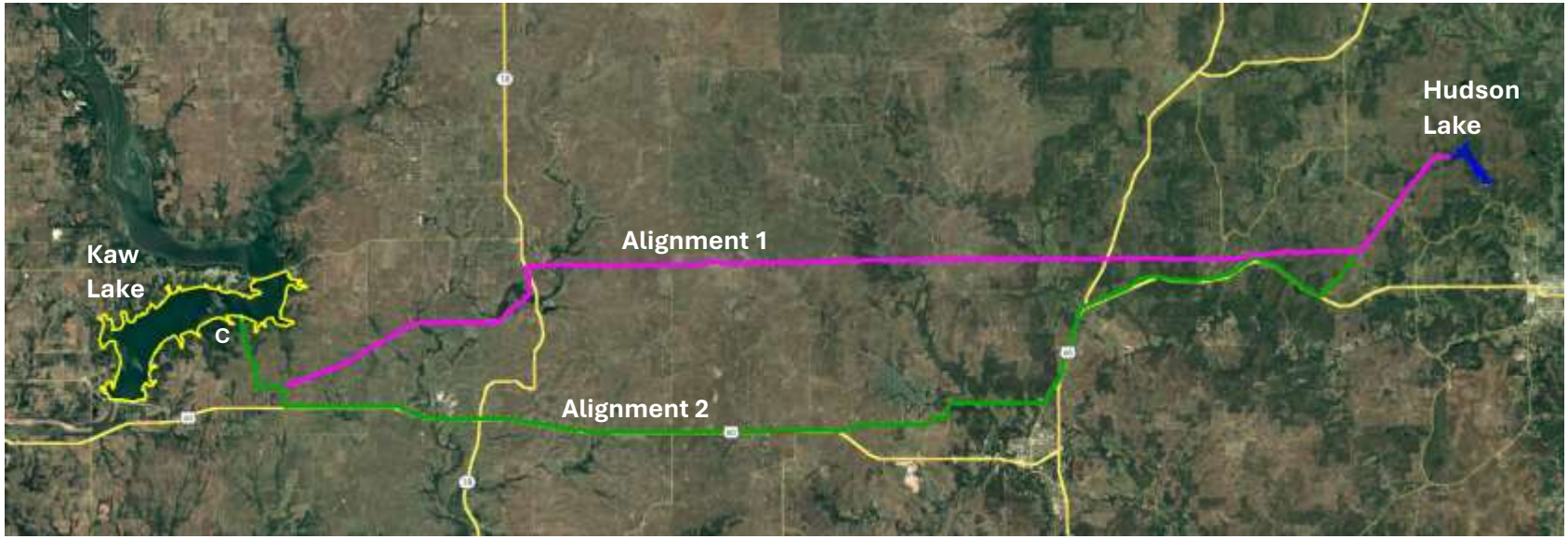
For pipeline construction, the following permits will be required:

- Section 404 Permit. Both pipeline alignments cross waterbodies and streams which are identified as potential wetlands on the national wetland maps. This will require a wetland delineation survey for each alignment to determine if such crossings are subject to wetland permits under Section 404 permit administered by the USAC. Section 404 permits for underground pipelines are somewhat simpler and covered under the Section 404 Nationwide General Permit program.
- Section 401 Water Quality Certification. Section 401 Water Quality certification by the state will be required. Under Section 401 of the Clean Water Act (CWA), a federal agency may not issue a permit or license to conduct any activity that may result in any discharge into waters of the United States unless a Section 401 water quality certification is issued, or certification is waived. For pipeline crossing, state water quality certifications are typically covered within the general permit unless any specific crossing requires an individual permit.

- Osage Mineral Council. The Osage Nation Constitution vests the Osage Minerals Council with the powers to administer and develop the Osage Mineral Estate in accordance with the Act of June 28, 1906, 34 Stat. 539, as amended. Construction of the pipeline across the Osage Nation land will require coordination and approval from the Osage Mineral Council.
- ODEQ Permit to Construct. The pipeline construction will require a permit to construct from Oklahoma Department of Environmental Quality (ODEQ).

Refer to Figure ES-2 that shows the two alignments.

Figure ES-2 Overview of Alignments 1 and 2



CONCEPTUAL COST ESTIMATES

Section 4 discusses conceptual cost estimates for both alignments. Cost estimates were developed for initial project cost as well as annual operation and maintenance (O&M) costs. Annual O&M costs were developed assuming the system is in operation or in a standby use.

INITIAL PROJECT COST ESTIMATE

In developing the cost estimate, intake Location C was assumed. Initial project cost includes securing of water rights, permitting, design and construction of the intake, pump station and the pipeline facilities for an operational system, as summarized below.

	Alignment 1 (Intake Location C) 48.7 Miles			Alignment 2 (Intake Location C) 52.9 Miles		
	14 MGD	18 MGD	22 MGD	14 MGD	18 MGD	22 MGD
Kaw Water Storage Fee (USACE)*	$16,009,089	$20,642,491	$25,228,802	$16,009,089	$20,642,491	$25,228,802
Submerged Intake Screen & Shore PS	$46,498,000	$49,074,000	$51,904,000	$46,498,000	$49,074,000	$51,904,000
Pipeline Conveyance	$190,026,700	$190,026,700	$203,890,000	$210,498,500	$210,498,500	$226,994,550
Other Costs						
Osage Mineral Council	TBD	TBD	TBD	TBD	TBD	TBD
OWRB Water Rights	TBD	TBD	TBD	TBD	TBD	TBD
Total Estimate of Probable Cost [1]	$252,533,789	$259,743,191	$281,022,802	$273,005,589	$280,214,991	$304,127,352

Note: * Plus, annual maintenance cost share as determined by USACE

ANNUAL OPERATION AND MAINTENANCE (O&M) SUMMARY

Annual O&M cost include intake and pipeline operations, normal maintenance and energy usage. Annual O&M was developed assuming Kaw supply is in service or in a standby mode.

ANNUAL OPERATION AND MAINTENANCE (O&M) COST SUMMARY	Alignment 1 (Intake Location C) 48.7 Miles			Alignment 2 (Intake Location C) 52.9 Miles		
	14 MGD	18 MGD	22 MGD	14 MGD	18 MGD	22 MGD
KAW SUPPLY (IN-SERVICE)[a]						
Pipeline and Breakout/One-way Tank(s)	$43,000	$43,000	$43,000	$50,300	$50,300	$50,300
Intake and Pump Station	$1,362,900	$2,041,200	$2,137,400	$975,600	$1,943,800	$2,234,900
Total (System In-Service)	$1,405,900	$2,084,200	$2,180,400	$1,025,900	$1,994,100	$2,285,200
KAW SUPPLY (NOT IN SERVICE)[b]						
Pipeline and Breakout/One-way Tank(s)	$43,000	$43,000	$43,000	$50,300	$50,300	$50,300
Intake and Pump Station	$19,300	$25,700	$28,900	$16,200	$25,700	$28,900
Total (System Not In Service)	$62,300	$68,700	$71,900	$66,500	$76,000	$79,200

Notes: [a] In-Service operation assumes 24x7 operation at the flow rate shown. [b] When "Not-in-Service" pumps are assumed one day/month operation.

1.0 KAW LAKE WATER QUALITY EVALUATION

1.1 INTRODUCTION

The focus of this section is to evaluate the Kaw Lake water quality to assess its compatibility with the current treatment scheme practiced at the Bartlesville water treatment plant (WTP) that utilizes the Actiflow© process, and to determine, at a conceptual level, the need for modifications or additional treatment necessary to meet the Safe Drinking Water Act (SDWA) standards. The water quality evaluation was based on available data sources from local, state, and federal agencies.

1.2 WATER QUALITY DATA GATHERING

Available water quality data for the Kaw Lake was gathered from various agencies and sources as summarized below.

1.2.1 OKLAHOMA WATER RESOURCES BOARD (OWRB)

The 2012 Oklahoma Comprehensive Water Plan (OCWP) developed by the OWRB identifies the Kaw Lake in the Upper Arkansas Watershed Planning Region as a vital source for surface water use through the year 2050. This study identified Kaw Lake as phosphorous limited and mesotrophic in its water quality conditions. The 2012 OCWP is being updated by OWRB for anticipated final release during 2024-2025.

OWRB monitors Kaw Lake as part of its Beneficial Use Monitoring Program (BUMP). The latest BUMP report for Kaw Lake covers the sampling period 2017-2018 (Figure 1-1) and included 3 monitoring sites on the Kaw(Upper) and two sites on the Kaw (Lower). Kaw(Lower) generally showed better water quality characteristics in terms of turbidity, total nitrogen and total phosphorous compared to the Kaw(Upper). The average turbidity for the Kaw (Lower) was around 8 ntu compared to 21 ntu for Kaw(Upper). Similarly, surface total nitrogen and total phosphorous were lower in Kaw(Lower) compared to the levels in Kaw(Upper).

1.2.2 OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ)

The 2022 Integrated Water Quality Assessment prepared by ODEQ identifies the upper portion of Kaw Lake as impaired by turbidity affecting fish and wildlife propagation as a warm water aquatic community.

The safe drinking water information system portal maintained through ODEQ included raw water quality data for city of Stillwater that uses Kaw Lake as their water supply and this information was gathered and used in the analysis. No additional information was found in the search of ODEQ online public information domain.

Figure 1-1: Kaw Lake BUMP Report (Oklahoma Water Resources Board)

Kaw (Upper)

Sample Period	Times Visited	Sampling Sites
November 2017 – August 2018	4	3

General

Location	Osage County
Impoundment	1976
Area	17,040 acres
Capacity	428,600 acre-feet
Purposes	Flood Control, Water Supply, Water Quality Control, and Conservation

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	21 NTU	17% of values > 25 NTU
	Average Secchi Disk Depth	48 cm	
	Water Clarity Rating	Fair	
	Chlorophyll-a	57.75 mg/m3	
	Trophic State Index	70	Previous value = 58
	Trophic Class	Hypereutrophic	
Profile	Salinity	0.29 – 0.66 ppt	
	Specific Conductivity	596.0 – 1335.0 µS/cm	
	pH	7.25 – 8.58 pH units	Neutral to slightly alkaline
	Oxidation-Reduction Potential	129.3 to 465.6 mV	
	Dissolved Oxygen	Up to 69% of water column < 2 mg/L in June	
Nutrients	Surface Total Nitrogen	0.93 mg/L to 2.5 mg/L	
	Surface Total Phosphorus	0.118 mg/L to 0.409 mg/L	
	Nitrogen to Phosphorus Ratio	7:1	Possibly co- limited

Beneficial Uses

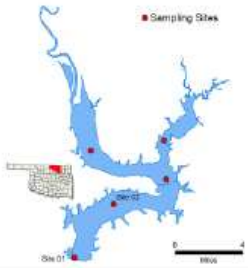
Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Entero. & E. coli	Chlor-a
Fish & Wildlife Propagation	NS	S	NEI	NEI							
Aesthetics					S	*					
Agriculture							S	S	S		
Primary Body Contact Recreation										NEI	
Public & Private Water Supply				NEI							

S = Fully Supporting
NS = Not Supporting
NEI = Not Enough Information

Notes: Standards revision, true color is for permitting purposes only.

Kaw (Lower)

Sample Period	Times Visited	Sampling Sites
November 2017 – August 2018	4	2



General

Location	Osage County
Impoundment	1976
Area	17,040 acres
Capacity	428,600 acre-feet
Purposes	Flood Control, Water Supply, Water Quality Control, and Conservation

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	8 NTU	100% of values < 25 NTU
	Average Secchi Disk Depth	85 cm	
	Water Clarity Rating	Good	
	Chlorophyll-a	27.97 mg/m3	
	Trophic State Index	63	Previous value = 45
	Trophic Class	Hypereutrophic	
Profile	Salinity	0.43 – 0.60 ppt	
	Specific Conductivity	842.0 – 1193.0 µS/cm	
	pH	7.22 – 8.49 pH units	Neutral to slightly alkaline
	Oxidation-Reduction Potential	-3.70 – 544.9 mV	
	Dissolved Oxygen	Up to 62% of water column < 2 mg/L in June	
Nutrients	Surface Total Nitrogen	0.63 mg/L to 1.46 mg/L	
	Surface Total Phosphorus	0.091 mg/L to 0.187 mg/L	
	Nitrogen to Phosphorus Ratio	7:1	Possibly co-limited

Beneficial Uses

Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Entero. & E. coli	Chlor-a
Fish & Wildlife Propagation	NS	S	NEI	NEI							
Aesthetics					S	*					
Agriculture							S	S	S		
Primary Body Contact Recreation										NEI	
Public & Private Water Supply				NEI							

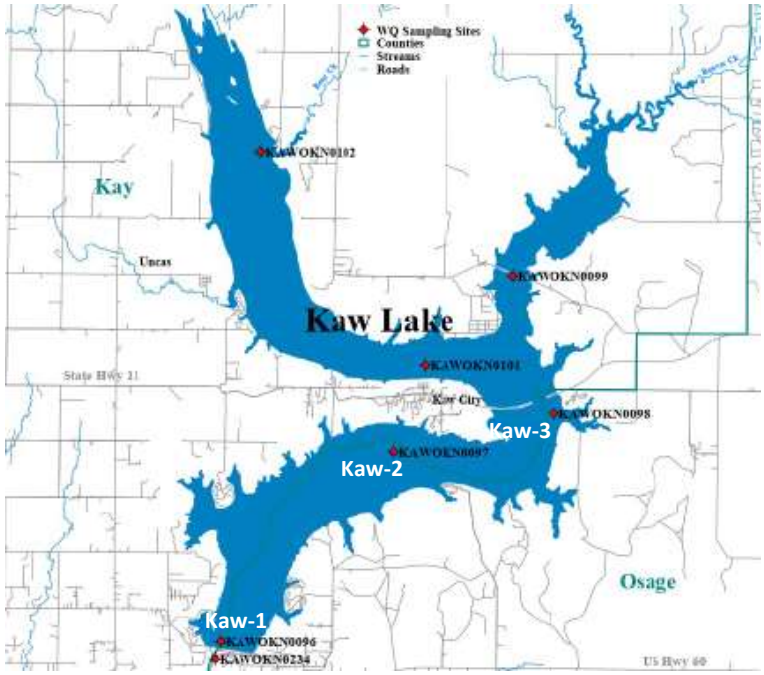
1.2.3 US GEOLOGICAL SURVEY (USGS)

There is a USGS stream monitoring location just downstream of the Kaw Lake dam but this site does not appear to be functional or actively monitored. Except for the land and topographic information in and around Kaw Lake, significant water quality information was not found in the search of USGS online domain.

1.2.4 US ARMY CORPS OF ENGINEERS (USACE)

Kaw Lake is a federally owned lake maintained and operated by the USACE. The Tulsa District of the USACE conducts routine operational water quality monitoring on Kaw Lake. In 2021 USACE collected physical and chemical water quality data monthly for the period from April 14th through September 14th. The data was used to define existing limnological conditions. In this study samples were collected from six locations (Figure 1-2) covering the lake. The Kaw Lake pool elevation was at or above the conservation pool elevation throughout the sampling period in calendar year 2021. The water quality summary based on these samplings were taken from the 2021 water quality report prepared by the USACE. Kaw Lake is physically divided by Highway 11, separating the Kaw (Lower) from the Kaw (Upper). Generally, the Kaw (Upper) is shallower in depth and lower in water quality than the Kaw (Lower). The following water quality summaries are taken from the USACE report.

Figure 1-2 Kaw Lake 2021 Sampling Sites (USACE)



Water temperatures varied seasonally from 14.8 ºC to 28.3 ºC, peaking in August. The lake exhibited observable thermal stratification at lower lake sampling sites starting in June and ending before September. The study period in-lake median dissolved oxygen concentration was 5.30 mg/l. Observed in-lake dissolved oxygen concentrations ranged from 0.0 to 11.48 mg/l. Lowest dissolved oxygen concentrations were observed near the dam in July and August when the bottom 32 feet to 46 feet of the water column, respectively, were hypoxic (dissolved oxygen concentration < 2 mg/l). In-lake total organic carbon (TOC) concentrations were high with a study period median of 6.92 mg/l. Observed median total organic carbon concentrations were highest at upper lake sites and gradually diminishing in the lower lake sites.

Total dissolved solids median concentration was 423 mg/l. Moderately high chloride and sulfate concentrations (medians 88.45 and 54.40 mg/l, respectively) were observed indicating other components (minerals, cations) are contributing to dissolved solids. TDS levels near sites 1, 2 and 3 varied between 220 mg/l to 590 mg/l with an average of 460 mg/l. TDS levels near sites 6 and 7 varied between 310 mg/l to 760 mg/l with an average of 490 mg/l.

Alkalinity levels (median 134.0 mg/l as $CaCO_3$) indicate a well-buffered system. Observed hardness levels were median 172 mg/l as $CaCO_3$, Observed in-lake pH varied from 7.06 to 8.46.

The lake was turbid through the sampling period. Secchi depth or index is a measure of the clarity or transparency of the water. The study period median Secchi depth was approximately 1.5 feet meters. Median Secchi depth increased from upper lake sites to the lower lake sites. In-lake median turbidity was 28.75 NTU, and 55% of all in-lake observations were greater than or equal to 25 NTU. Median total suspended solids concentrations (11.5 mg/l), decreasing from the upper lake sites to the dam site.

Lake-wide ammonia concentrations were moderate (median 0.14 mg/l), and nitrite plus nitrate concentrations were moderate to high (median 0.60 mg/l). Total Kjeldahl nitrogen concentrations (median 0.74 mg/l) were moderately high. Estimated lake-wide median total nitrogen concentration during the 2021 study was 1.25 mg/l. Total phosphorus concentrations ranged between 0.24 and 0.70 mg/l (median 0.33 mg/l). Observations of dissolved orthophosphate, median 0.19 mg/l, were moderately elevated throughout the lake. Nitrogen to phosphorus ratios (N:P) in 2021 were <10 (median 3.9), indicating a tendency toward limited nitrogen availability.

Chlorophyll-*a* concentrations (in-lake) ranged from 2.8 to 70.8 µg/l, with a median concentration of 10.75 µg/l.

Total iron (median 0.31 mg/l) and manganese (median 0.07 mg/l) concentrations were moderately high. Reportable concentrations of arsenic were found in all in-lake samples collected with a median concentration of 0.0044 mg/l. Reportable concentrations of chromium, copper, nickel, and zinc were noted in all in-lake samples. Detectable lead concentrations were found in 92% of in-lake samples collected. One of 60 observations revealed a detectable concentration of mercury. With respect to manganese, turbidity and Hardnes, Kaw-2 and Kaw-3 locations exhibit a better quality compared to Kaw-1. In other words, the middle and upper part of Kaw (Lower) exhibits better quality.

For the purpose of locating a new intake for Bartlesville within the Kaw (Lower), sampling data from Kaw-1, Kaw-2 and Kaw-3 sample sites are compared for some key water quality parameters as summarized in Tabe 1-1. Site KAW-2 showed relatively better water quality compared to the other two locations.

Table 1-1 Kaw Lake 2021 USACE Sampling Date- Spatial Variation

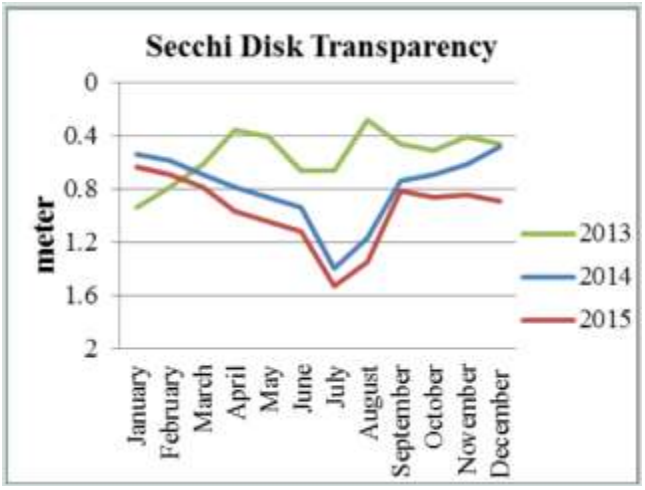
Parameters	KAW-1	KAW-2	KAW-3
Hardness, mg/l	208.5	201	178
Total Alkalinity, mg/l	153.5	157.5	146.5
Total Organic Carbon, mg/l	7.47	8.71	8.68

Total Suspended Solids. Mg/l	7.7	11	33
Iron, mg/l	0.329	0.372	0.373
Manganese, mg/l	0.154	0.053	0.070
Nitrate + Nitrite as , mg/l	1.08	1.1	1.01
Phosphorus, mg/l	0.38	0.35	0.32
Turbidity, ntu	99.8	21.5	33.8
Source: USACE 2021 Water Quality Report, Samples collected April-September 2021. At each location, the result represents the average of bottom and surface samples			

1.2.5 KAW NATION ENVIRONMENTAL DEPARTMENT

In 2016, Kaw Nation Environmental Department published a research article titled *Water Quality and Trophic State of Kaw Lake* in the Journal of Environmental Studies. This study measured the concentrations of nitrogen, phosphorous and chlorophyll a level in the lake to assess the overall water quality and the Trophic State of the lake. This study gathered monthly samples over a three year period from 2013-2015. The findings taken from this article are summarized below.

Figure 1-3 Kaw Lake Secchi Disk Depth Measurement (2013-2015)



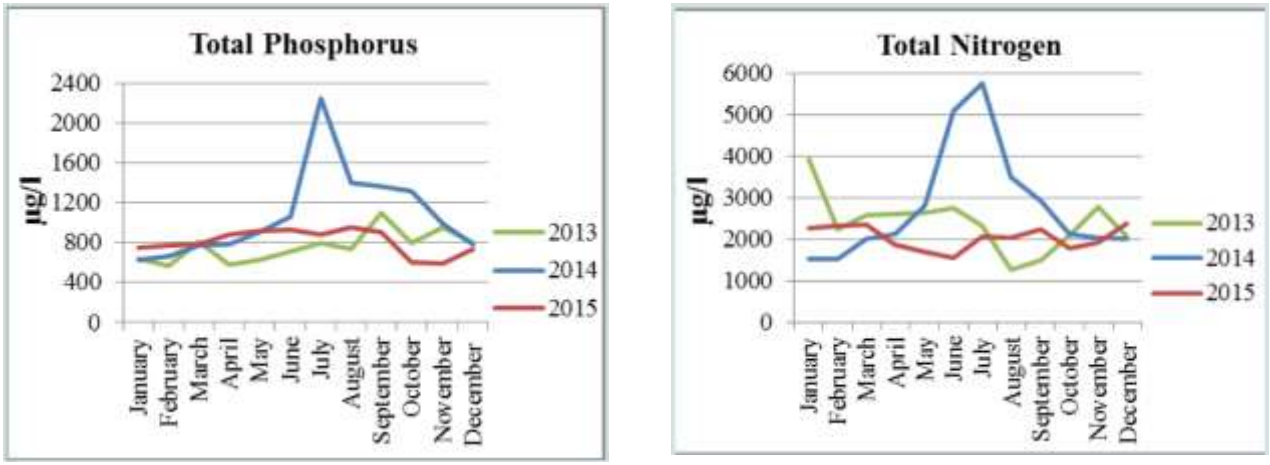
Source: 2016 J Environ Stud., Vol 2, Issue 1, Water Quality and Trophic State of Kaw Lake, Dejene Alemayehu, et al.

The average Secchi disk depths measured (Figure 1-3) varied from 0.6 m in 2013 to 1.5 m in 2015. The lowest depth measurements were observed during January-March and the deepest depth measurement occurred in July. The corresponding Trophic State Index calculated were in 2013 (69), 2014 (64) and 2015 (61), indicating the Secchi disk depths were in the eutrophic state

The average total phosphorous concentrations (TP) measured 765 ug/l, 1300 ug/l and 911.8 ug/l in 2013, 2014 and 215, respectively. The highest phosphorous concentrations typically occurred around July while the lowest concentrations occurred around January-March and October-December periods, see Figure 1-4.

The average total nitrogen (TN) concentrations measured were 2401 ug/l, 2795 ug/l, and 2046 ug/l) in

Figure 1-4 Kaw Lake Secchi Disk Depth Measurement (2013-2015)



Source: 2016 J Environ Stud., Vol 2, Issue 1, Water Quality and Trophic State of Kaw Lake, Dejene Alemayehu, et al.

2013, 2014 and 2015, respectively. The lowest TN concentrations were observed during January-March and October-December periods as shown on Figure 1-4. The highest nitrogen concentration was recorded in July coinciding with high chlorophyll-a bloom as result of photosynthetic process.

In a 2023 article titled Assessment of Mercury Concentrations in Water and Fish Tissue Analysis in Kaw Lake" (https://doi.org/10.4236/jep.2023.141004) , sediment and fish samples were taken to examine the concentrations of mercury and other heavy metals. This study's conclusions were 1) mercury concentrations in the water sample were below the quantification limit in all samples collected, 2) fish species heavier than 560 grams and over 400 mm in length exhibited higher levels of mercury concentrations.

1.2.6 CITY OF STILLWATER

City of Stillwater obtains raw water from the Kaw Lake using its raw water conveyance system, originally constructed in 1981, consisting of the raw water pump station located downstream of the Kaw Dam and approximately 36-miles of 36-inch steel pipeline extending from the pump station to the water treatment plant (WTP), Figure 1-5.

As part of the data gathering activities, S2E and Bartlesville staff visited Stillwater WTP and met with Stillwater plant staff to solicit their experiences and challenges treating the Kaw Lake water. Stillwater provided monthly operational data for July 2022 through February 2023. This data was supplemented with information gathered from the Safe Drinking Water Information System (SDWIS) online portal (maintained by DEQ/EPA). Based on these data sets, the Kaw Lake raw water quality is summarized as follows:

- Raw water Total Organic Carbon (TOC) varied from 3.2 mg/l to 5.2 mg/l
- Raw water alkalinity and hardness averaged 141 mg/l and 208 mg/l as $CaCo_3$, respectively.

Average pH varied from 7.7 to 8.2. Stillwater also started monitoring other compounds (such as PFOS/PFOA and CECs) but that data was not available for this study.

Stillwater's existing water treatment process uses ferric sulfate and polymer as coagulation chemicals along with lime softening for hardness and turbidity reduction goals. Since softening process raises the pH, carbon dioxide is used for pH adjustment prior to filtration. After filtration, ozone is used as the primary disinfectant, followed by the addition of chlorine and ammonia to form chloramine for the secondary disinfection. Typically, the plant achieves 25% TOC removal between raw and finished water TOC levels compared to minimum 15% removal required. The lime softening process reduces water hardness from approximately 208 mg/l to 171 mg/l range, a 18% reduction.

Figure 1-5 Stillwater Raw Water Conveyance System

1.2.7 CITY OF ENID

City of Enid is in the process of constructing a new intake structure and approximately 70-miles of pipeline to convey Kaw Lake water to their new water treatment plant, see Figure 1-6.

As part of data gathering activities, S2E and Bartlesville staff met with the Enid Utilities Director. The Kaw pipeline and intake project is scheduled for completion by end of 2024. Kaw Lake will be a new source for Enid to supplement their current ground water supply. For this study Enid shared their Kaw Lake water quality data collected during the 2022-2023 period, which are summarized below.

- Lake turbidity varied from approximately 6 ntu to 20 ntu
- Lake pH varied from 8.1 to 8.8
- Total alkalinity was in the range of 135 mg/l to 160 mg/l as $CaCO_3$
- Total hardness varied from 169 to 219 mg/l as $CaCO_3$
- Iron concentration was generally less than 0.7 mg/l
- Manganese concentration was less than 0.05 mg/l
- Total organic carbon varied from 3.9 mg/l to 4.7 mg/l

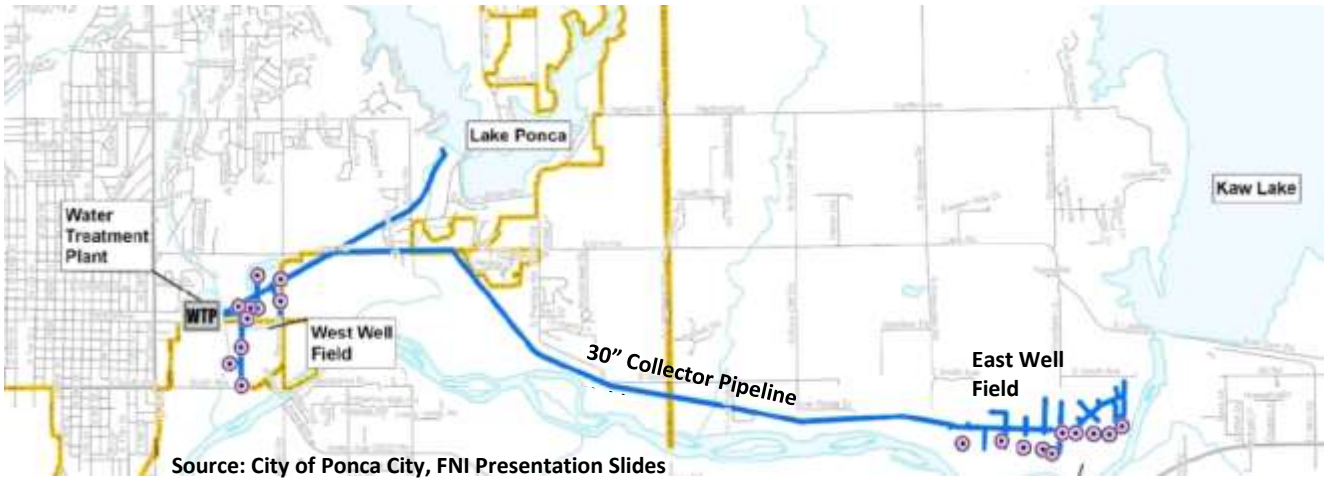
Enid's new water treatment plant (under construction as of the writing of this report) will use conventional coagulation-sedimentation-filtration process and will utilize ozone as pre-oxidant, and granular activate carbon (GAC) as post filter contactors. Lime softening is not included since the hardness values for the Kaw Lake and Enid's current groundwater supply sources are comparable (approximately 200+ mg/l versus 170 mg/l).

Figure 1-6 City of Enid Kaw Lake Raw Water Conveyance System

1.2.8 CITY OF PONCA CITY

City of Ponca City currently utilizes groundwater wells located along the Arkansas River alluvium aquifers and supplements with raw water from the Ponca lake which is owned and operated by the Ponca City Utility Authority. Ponca City has two well fields identified as East Well Field and West Well Field. The West Well Field Is located within the city limits near its water plant and along the Arkansas River alluvium. East Well Field is located just along the Arkansas River downstream of Kaw Lake dam, See Figure 1-7. There is a 30-inch collector line extending from East Well Field to the Ponca water treatment plant. Currently, Ponca City does not have conveyance infrastructure from Kaw Lake. Ponca City has water rights from Kaw Lake but has not utilized these rights. As of this report , Ponca City is performing a long-term water supply study to evaluate the options of utilizing Kaw Lake water. S2E met with Ponca City staff and their consulting engineer. They showed interest and desire to work with Bartlesville towards opportunities for mutual benefit.

Figure 1-7 Ponca City Well Field Collector Pipeline

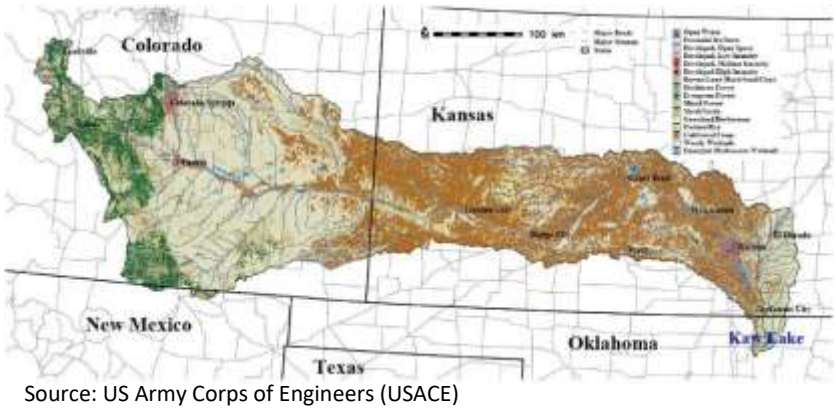


1.3 KAW LAKE DESCRIPTION, WATER QUALITY AND AVAILABILITY

1.3.1 KAW LAKE DESCRIPTION

The Kaw Lake dam is located on the Arkansas River at river mile 653.7, about eight miles east of Ponca City, in Kay and Osage Counties, Oklahoma within Hydrologic Unit Code 11060001. The conservation pool of Kaw Lake was first filled in May 1977 after final storage began in April 1976. Authorized purposes include flood damage reduction, water supply, water quality, fish and wildlife, and recreation. The watershed above the Kaw Lake dam site extends to the headwaters of the Arkansas River near Leadville, CO. The total drainage area above the dam is approximately 48,300 square miles; however, the contributing area is approximately 38,771 square miles (Figure 1-8). Land use/cover in the basin is dominated by grassland/pasture (44%) and cultivated cropland (32%). Based on the Descriptive characteristics of Kaw Lake are included in Table 1-2.

Figure 1-8 Kaw Lake Watershed



Source: US Army Corps of Engineers (USACE)

Table 1-2 Kaw Lake Physical and Flow Characteristics

Parameter	Units
Lake Elevation (Conservation Pool)	1,010.0 ft. NGVD
Lake Surface Area (Conservation Pool)	14,260 ac
Lake Volume (Conservation Pool)	344,043 ac-ft
Total Drainage Area (contributing)	38,771 mi^2
Mean Depth	24.1 ft.
Maximum Depth (Conservation Pool)	79 ft.
Shoreline Length	116.4 mi
Annual Inflow, Average 1922 – 2021 [Water Years]	2,047,370 ac-ft
Annual Inflow, 2021 [Calendar Year]	2,071,041 ac-ft
Hydraulic Residence Time, 2021 [Calendar Year]	70.38 d
Source: US Army Corps of Engineers (USACE)	

Due to siltation, Kaw Lake storage volume has been reduced by about 25% as of the 2020 USACE bathymetric survey results tabulated below:

Table 1-3 Kaw Lake Historical Siltation Summary

Survey Period	Storage @ Below Conservation Pool EL 1010.0' (acre-feet)	% Reduction in Storage Since 1975	Surface Area (acres)
1975	431,120	0.0%	16,890.0
1986	406,540	6.0%	16,750.0
1995	382,623	12.7%	16,165.0
2010	382,818	12.6%	15,700.0
2015	362,511	18.9%	15,056.0
2020	344,044	25.3%	14,257.6
Source: US Army Corps of Engineers (USACE) Bathymetric Survey			

Other pertinent information taken from USACE online data is summarized below:

Type of Structure: The dam is a rolled earth-filled embankment 9,466 feet long, including the spillway, and rises about 125 feet above the streambed. The embankment top is 32 feet wide and has a 24-foot-wide, bituminous-surfaced road.

Spillway & Outlet Works: The gate-controlled concrete valley spillway is an ogee weir and includes a stilling basin and outlet works. Total length of the spillway, excluding the non-overflow sections, is 400 feet, with flow over the spillway controlled by eight 50- by 47-foot Tainter gates. The spillway structure is located in the right abutment and has a design capacity of 653,000 cubic feet per second (cfs). Low-flow facilities consist of two 5-foot 8-inch by 10-foot sluices located through two intermediate piers with a design capacity of approximately 8,000 cfs. The sluice gates are operated by OMPA (Oklahoma Municipal Power Authority). A 48-inch-diameter water supply pipe is located in the right non-overflow that currently serves the City of Stillwater.

Power Intake Structure: A powerhouse with one 20-foot-diameter penstock was incorporated into the original construction of the spillway. Construction of the generating facilities began in August 1987. Power generation began in August 1989. The powerhouse is operated by OMPA and has a release capacity of approximately 5,600 cfs near top of conservation pool and has a generation capacity of approximately 35,000 kW.

Hydrologic Data: The flood of April 28 through June 30, 2019, had a volume of 5,075,592 acre-feet, which is equivalent to 14.31 inches of runoff. Peak inflow to the lake was 165,800 cfs. The flood in October of 1986 had a peak inflow of 185,700 cfs.

1.3.2 KAW LAKE STORAGE FEE AND WATER RIGHTS

Kaw Lake is a federally owned and operated lake, managed by the USACE. But the surface water rights are granted by the State of Oklahoma through the Oklahoma Water Resources Board (OWRB). USACE sets the storage fee and the approval process for any infrastructure construction at the lake. OWRB controls the water rights and requires a prescribed process to secure such rights.

Based on information obtained from the USACE, the current cost of the available water supply storage at Kaw Lake is $46,163,683 for 46,186 acre-feet of storage, or approximately $999.52 per acre-foot. As of July 17, 2024, the USACE provided the following for storage fee. These are estimates at this point in time, and accrued interest continues to rise so these are not fixed prices but will vary in the future.

- For 14 MGD, 15,638 acre-feet, Storage Fee =$16,009,089*
- For 18 MGD, 20,164 acre-feet, Storage Fee =$20,642,491*
- For 22 MGD, 24,644 acre-feet, Storage Fee =$25,228,802*

*Plus, annual maintenance cost share as determined by USACE

Based on information obtained from the OWRB, the following summarizes the water supply pool with existing water rights permit and volume still available for allocation. As summarized, approximately 37,637 acre-feet (33.6 mgd) is available for allocation.

Table 1-4 Kaw Lake Water Rights Summary

Permit #. Permit Holder	Primary Purpose	Total Authorized (Acre Feet)	2022 Actual Water Use
19690327 Newkirk, City of	Public Water Supply	1,124.0	

19720491	Stillwater, City of	Public Water Supply	56,210.0	8,110.3
19730235	Oklahoma Gas & Electric Company	Power	40,000.0	19,134.2
19810180	Kaw Reservoir Authority	Public Water Supply	14,159.0	
19870031	Tonkawa, City of	Public Water Supply	2,800.0	
19910018	Otoe-Missouria Tribe	Public Water Supply	200.0	
19930034	Ponca City, City of	Public Water Supply	14,031.0	1,683.5
20030001	Perkins PWA	Public Water Supply	879.0	
20140047	City of Enid	Public Water Supply	20,000.0	
			149,403.00	**28,928.0**
TOTAL WATER SUPPLY STORAGE (YIELD)			**187,040.00**	
TOTAL AMOUNT LEFT FOR ALLOCATION			**37,637.00**	

1.4 BARTLESVILLE EXISTING WATER SUPPLY

1.4.1 CURRENT WATER SUPPLY SOURCES

Bartlesville's primary source of raw water supply is Hulah Lake (see Error! Reference source not found. 1-9**)**. Hulah Lake is a federally owned lake originally completed in 1951 for flood control, water supply, low flow regulation, and conservation purposes. Raw water from Hulah Lake is pumped via approximately 6.7 miles of 24-inch dual-transmission pipelines to discharge into Lake Hudson which is a city-owned lake. Due to its size, Lake Hudson is insufficient for water supply yield on its own and is considered part of the Hulah/Hudson water supply system. From Lake Hudson, raw water flows by gravity via approximately 5-miles of 36" and 42" transmission pipelines.

Bartlesville also has water rights on the Caney River, which served as the original raw water supply for Bartlesville prior to the development of the Hulah/Hudson lake system. In the late 1920s a low water dam was constructed on the Caney River to create a small impoundment within the river from which to draw the raw water. Raw water from Caney River is conveyed through the Caney Pump Station to the Bartlesville water treatment plant. The Caney Pump Station is owned and operated by Bartlesville. Available water supply from these sources is summarized below:

- Hulah Lake. Bartlesville has 13,819 acre-feet (12.4 MGD) of water rights. There are no more water rights available at this Federally owned lake. Based on historic and projected silting and sediment deposits, the projected dependable yield from Hulah is 6.4 MGD through year 2035 and 4.4 MGD by year 2055.
- Hudson Lake. Bartlesville has 6,000 acre-feet (5.4 MGD) of water rights which represent all the water rights available at this City-owned lake. Due to the size of the lake and small contributing watershed, there is no appreciable yield associated with the lake, and it is considered part of the Hulah Lake water supply system. Therefore, for practical

reasons, water rights from Hudson Lake are not considered separate but included within available water rights from Hulah Lake.

- Caney River. Bartlesville has 6,000 acre-feet (5.4 MGD) of water rights from the Caney River.
- Copan Lake. Bartlesville has 2,500 acre-feet (1 MGD) of water storage rights at Copan Lake.

Historically, Bartlesville utilized Hulah/Hudson water supply as the primary supply and Caney River as the supplemental/backup supply. In 2014, to better utilize available water resources, the Caney River has been utilized as the primary supply with the lakes serving as the supplemental source.

Bartlesville's current water plant, completed in 2006, utilizes the Actiflow© Process that uses coagulant and micro-sand ballasted flocculation and sedimentation to achieve enhanced clarification. Clarified water is filtered using dual media filtration and subsequently disinfected with chlorine and chloramine prior to distribution. There is a potassium permanganate feed facility near Hudson Lake for raw water pre-oxidation. A powder activated carbon (PAC) feed facility is located at the Caney Pump Sation for mitigating taste and odor compounds.

Monthly water plant operational data for 2022-2023 were analyzed to establish the baseline water quality currently treated at the existing Bartlesville water plant. This information is used to compare with the Kaw Lake water quality discussed earlier to assess potential impacts on Bartlesville's current water treatment process (Actiflow© Process).

Figure 1-9 Bartlesville's Existing Water Supply

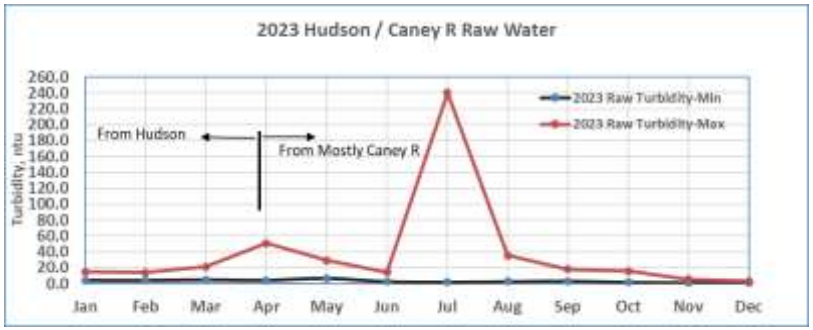
1.4.2 EXISTING WATER SUPPLY QUALITY

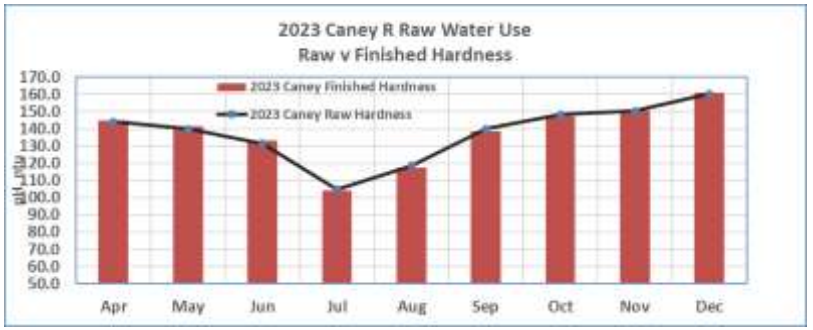
Historical water quality data summary for the 2022-2023 period is shown on Figure 1-10 and summarized below:

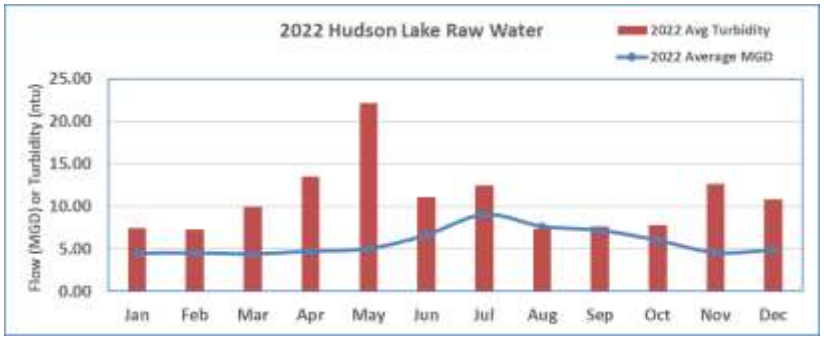
- Average raw water turbidity varied from 4 ntu to approximately 42 ntu. Caney River turbidity is typically higher than Hudson Lake and at times during June-July periods, the Caney River turbidity is known to peak above 200 ntu.
- Typical raw water pH is in the 7.1 to 8.4 range.
- Typical alkalinity ranged from 56 mg/l to 160 mg/l. The lower values are typically associated with May-July rain events.
- Typical hardness varied from 56 mg/l to approximately 160 mg/l.

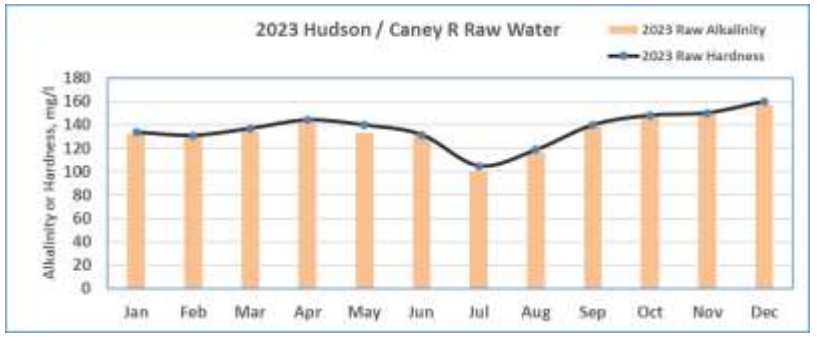
- As shown on Figure 1-10, alkalinity and hardness trend closely indicating most of the hardness are carbonate-hardness with negligible non-carbonate hardness.

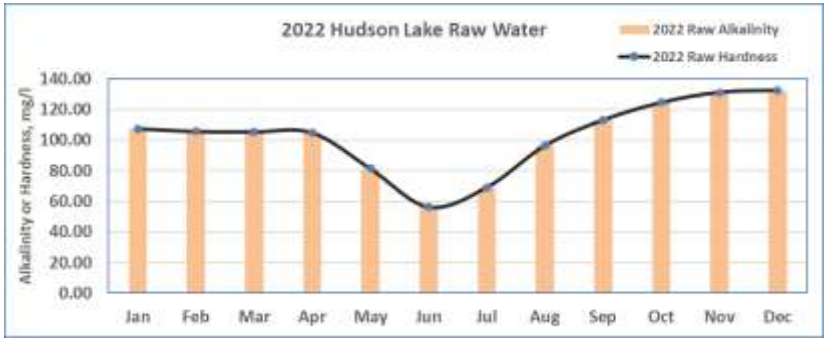
Figure 1-10 Bartlesville Raw Water Quality (Hudson Lake and Caney River)

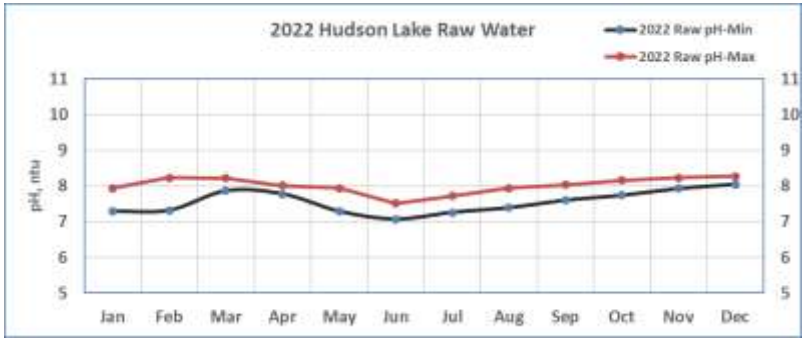








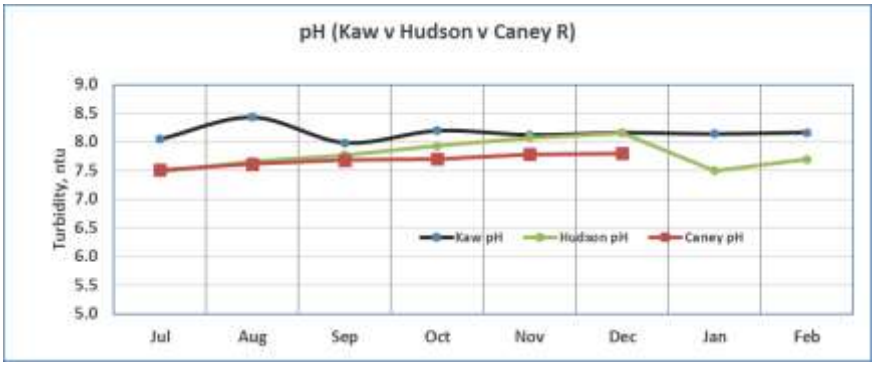


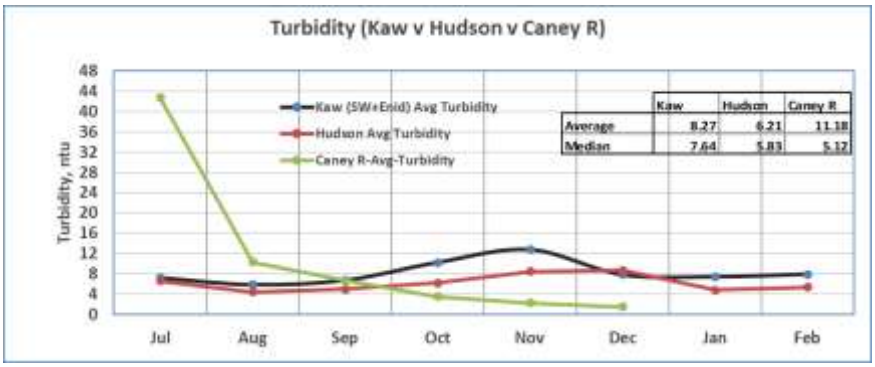


1.5 EVALUATION OF KAW LAKE WATER QUALITY IMPACTS ON BARTLESVILLE TREATMENT PLANT

Kaw Lake water quality information gathered from USACE, Enid and Stillwater are compared with Bartlesville's current water supply quality to identify any significant impact on Bartlesville's existing treatment plant process (Actiflow© Process). Refer to Figure 1-11 for the discussion that follows.

Figure 1-11 pH, Alkalinity and Turbidity Comparison- Kaw v Hudson v Caney River





1.5.1 PH

Kaw water has slightly higher pH but is comparable to Hudson/Caney water quality. Kaw water will be blended with Hudson water prior to use. Kaw water pH is comparable and should not hinder or negatively impact Bartlesville's existing treatment process.

1.5.2 TURBIDITY

The average turbidity values between Kaw, Hudson and Caney waters are 8.3, 6.2 and 11.2, respectively. Kaw turbidity falls somewhere between Hudson and Caney turbidity. The Actiflow© Process used at Bartlesville water plant performs well with higher turbidity levels. With comparable turbidity levels, Kaw water should not hinder or negatively impact Bartlesville's existing treatment process.

1.5.3 ALKALINITY

Alkalinity and hardness are somewhat correlated with each other. Alkalinity is a measure of water's buffering capacity or "resistance to pH change." Alkalinity is primarily due to dissolved bi-carbonates, carbonates, and hydroxides in water. Referring to Figure 1-12, average alkalinity values for Kaw, Hudson and Caney are 141 mg/l, 110 mg/l, and 135 mg/l, all reported as $CaCO_3$. Alkalinity above 100 mg/l is considered well-buffered system. With comparable alkalinity levels, Kaw water should not hinder or negatively impact Bartlesville's existing treatment process.

1.5.4 HARDNESS

Hardness is a measure of the amount of dissolved di-valent metals, primarily calcium and magnesium. When the alkalinity and hardness values are near the same, all hardness is essentially of carbonate-hardness. If the alkalinity is less than hardness, then there is some non-carbonate hardness present. Referring to Figure 1-12, the average hardness values for Kaw, Hudson and Caney are approximately 205 mg/l, 110 mg/l and 137 mg/l, respectively. Kaw hardness is almost 100% higher than Hudson and approximately 50% higher than Caney.

Figure 1-12 pH, Alkalinity and Hardness Comparison- Kaw v Hudson v Caney River

Since Kaw water will be conveyed to Hudson for blending and storage prior to treatment, the overall hardness when Kaw Lake supply is used will be somewhere between these values based on the blending ratio. There is no regulatory limit for hardness; the final hardness goal is typically based on the water utility preference and end user acceptance. Hard water tends to leave deposits in the indoor plumbing and appliances and leaves residue left on hand/body when washed with soap. General guidelines are 0 to 60 mg/l classified as soft; 61 to 120 mg/l as moderately hard; 121 to 180 mg/l as hard; and anything above 180 mg/l as very hard. For 2023, the average finished water hardness for Bartlesville was approximately 136 mg/l, which puts it in the “hard” water classification. Blending of Kaw and Hudson waters will result in higher hardness level; for example, a 50%:50% (Kaw:Hudson) blend will result in approximately 157.5 mg/l hardness. This will still make the water classification as hard.

As discussed earlier, Enid decided not to include Lime softening since the hardness values for the Kaw Lake and Enid’s current groundwater supply sources are comparable (approximately 200+ mg/l versus 170 mg/l). Stillwater uses lime softening process to reduce Kaw water hardness from approximately 208 mg/l to 171 mg/l range, approximately 18% reduction.

Hardness reduction is typically achieved with the use of lime-soda ash softening process. Soda ash may or may not be necessary based on the hardness reduction goals. Ion exchange and reverse osmosis

(RO) are other processes but are not typically used for municipal treatment plant applications because of cost and disposal issues associated with the reject streams generated in these processes.

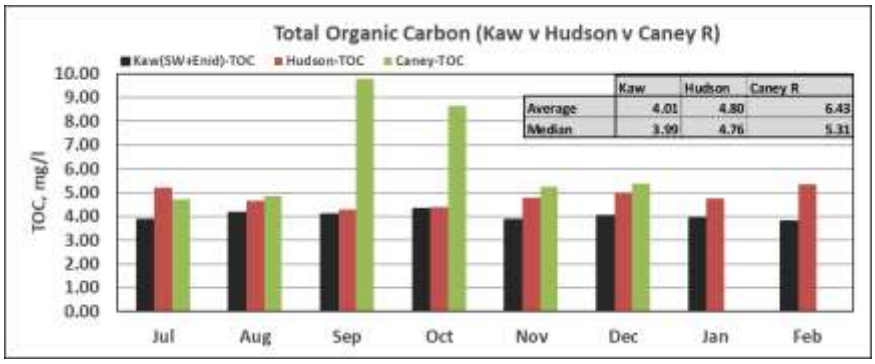
Incorporating lime softening process with the existing Actiflow© Process will require significant modification to the existing process scheme. One option for such modification is to construct a new parallel split-flow train where a portion of the raw water is lime-softened and then blended back with the Actiflow Process effluent for combined filtration and disinfection. The split flow treatment will reduce the overall new infrastructure cost, lime usage, and lime sludge production.

For the purpose of this report and high level conceptual evaluation, it is our opinion that lime-softening is not required or necessary when using blended water from Kaw and Hudson. By proper blending of Kaw and Hudson water sources, the overall hardness should be maintainable below 180 mg/l range and still fall in the general "hard water' guidelines. Incorporating lime-softening side stream to the existing Actiflow Process will require multi-million dollar expenditures in addition to long term cost of chemical, and lime sludge handling and disposal.

1.5.5 TOTAL ORGANIC CARBON (TOC)

TOC values for Kaw, Hudson and Caney averaged 4.01 mg/l, 4.8 mg/l and 6.43 mg/l, see Figure 1-13.

Figure 1-13 pH, Total organic carbon (TOC) Comparison- Kaw v Hudson v Caney River



TOC comprises numerous constituents of carbon-chain compounds of varying molecular weights. In the water treatment process, TOC acts as precursors to the formation of disinfection by-products during oxidation and disinfection processes. Under EPA Disinfection By-Product rules, Bartlesville water treatment plant is required to remove specific percentages of organic materials, measured as total organic carbon (TOC), that may react with disinfectants to form DBPs. Removal must be achieved through a treatment technique (enhanced coagulation or enhanced softening) unless a system meets alternative criteria. Systems practicing softening must meet TOC removal requirements for source water alkalinity greater than 120 mg/L $CaC0_3$. The percentage removal required is dependent on the source water TOC and alkalinity as follows:

TOC Removal Requirements			
Source Water TOC (mg/l)	Source Water Alkalinity, mg/l as $CaCO_3$		
	0 – 60	**> 60 to 120**	**> 120**
> 2.0 to 4.0	35.0%	25.0%	15.0%
> 4.0 to 8.0	45.0%	35.0%	25.0%
> 8.0	50.0%	45.0%	30.0%

Based on Hudson TOC and alkalinity concentrations, Bartlesville plant currently requires a 35.0% TOC reduction. Blending Kaw with Hudson water could increase the resulting raw water alkalinity that could potentially reduce the removal requirements from 35.0% to 25.0%. Bartlesville's existing water treatment plant should be able to achieve this removal goal.

1.5.6 TOTAL DISSOLVED SOLIDS (TDS)

Based on USACE monitored water quality data, TDS varied approximately 220 mg/l to 590 mg/l. National Secondary Drinking Water Regulations standard for TDS is 500 mg/l. Secondary standards are non-enforceable guidelines. Blending Kaw water with Hulah/Hudson lake sources should provide a blended TDS concentration <500 mg/l.

1.5.7 OTHER POLLUTANTS OF CONCERN

In April 2024, U.S. EPA finalized the National Primary Drinking Water Regulation (NPDWR) limiting PFAS in drinking water and set the maximum contaminant levels (MCLs) of 4 parts per trillion (ppt) for PFOS and PFOA. The rule also includes new limits for four compounds — an MCL of 10 ppt for PFNA, PFHxS, PFBS, and GenX chemicals. Further, it mandates treatment when a 1.0 "Hazard Index" threshold is reached for mixtures of two or more of PFHxS, PFNA, HFPO-DA, and PFBS compounds. Utilities in the USA are monitoring their raw water supply to establish existing benchmark and treatment requirements. Enid and Stillwater have started monitoring Kaw Lake for these compounds but the results are not available for this study.

Similarly, USA utilities are monitoring emerging contaminants of concern (CECs), which are chemicals (including pharmaceuticals and personal care products) detected in the environment/water bodies that could cause human health and environmental impacts but for which currently no regulatory limits exist.

Kaw Lake drainage basin is large extending from Oklahoma to Kansas, Colorado, and a small portion of New Mexico with well established aerospace, military, and other industrial complexes. There is limited data available to make an evaluation pertaining to other pollutants of concern.

1.6 CONCLUSIONS AND RECOMMENDATIONS

Based on the water quality evaluation provided earlier, the following conclusions and recommendations are offered:

- In terms of primary water quality parameters (pH, turbidity, alkalinity, and TOC), the Kaw water quality is comparable and compatible with the Hulah/Hudson water supply currently used. Kaw water should not hinder or negatively impact Bartlesville's existing treatment process.
- Using the classification that hardness levels of 121 mg/l to 180 mg/l as "hard" water, the average finished water hardness for Bartlesville is approximately 136 mg/l, which puts it in the low end of the "hard" water classification. Blending of Kaw and Hudson waters will result in higher hardness level; for example, a 50%:50% (Kaw:Hudson) blend will result in approximately 157.5 mg/l hardness, shifting the classification to the higher end of "hard" water classification. Based on these considerations, lime softening is not necessary because there are no set regulatory limits for hardness. The treated water hardness goal is entirely based on utility preferences and practices to meet end user (water utility customer) acceptance. If Bartlesville desires to incorporate lime softening, further treatability study is recommended to establish the process scheme to supplement the existing Actiflo© Process.

- Based on Hudson TOC and alkalinity values, Bartlesville plant currently requires a 35.0% TOC reduction. Blending Kaw with Hudson water could increase the resulting raw water alkalinity that could potentially reduce the removal requirements from 35.0% to 25.0%. Bartlesville is currently achieving the TOC reduction goals and this should not be an issue.

- The above conclusions are based on limited data gathered from USACE, Stillwater and Enid used for this preliminary high level feasibility evaluation. As part of the next step in the Kaw Lake water supply study, we recommend Bartlesville include site specific sampling and treatability study to confirm and adjust the conclusions offered in this report.

- As to the presence of other pollutants (PFAS, CECs, etc.) of concern, very limited data was available for this study. Kaw Lake drainage basin is large extending from Oklahoma, to Kansas, Colorado, and a small portion of New Mexico with well established aerospace, military, and other industrial complexes. There is limited data available for this study for the Kaw Lake to make an evaluation for these pollutants. As part of the next step in the Kaw Lake water supply study, we recommend Bartlesville to include more detailed evaluation for these pollutants including sampling from Kaw Lake.

2.0 KAW LAKE INTAKE EVALUATION

2.1 INTRODUCTION

For raw water withdrawal from Kaw Lake, a new intake, or the possibility of connecting to an existing intake are discussed in this section. Oklahoma Department of Environmental Quality (ODEQ) regulation 252:826 contains specific requirements for utilizing surface water supply such as Kaw Lake. For lake intakes, ODEQ requires the intake designed to withdraw from at least three (3) separate levels. The intake must also include a trash rack or screen to limit the entry velocity and to exclude large debris from entering.

Any intake located at the Kaw Lake must also meet US Army Corps of Engineers (USACE) regulatory approval. The focus of this section is to evaluate the location and types of raw water intake for Kaw Lake to provide adequate capacity and meet the ODEQ and USACE regulatory requirements.

2.2 INTAKE DESIGN REQUIREMENTS

The following design criteria are used for the intake:

- Capacity of 14 MGD with options for 18 MGD and 22 MGD.
- Three intake levels with the top level below the conservation pool.
- Provide a trash rack or screen at the inlets to the intake structure.
- Designed to DEQ standards and USACE permit:
    - Security protection including signage and fencing.
    - Provide a diversion device capable of keeping fish or debris from entering intake structure,
    - The intake structure operating floor must be above the 100-year flood level and always be accessible.
    - Locate inlets or gates in the intake structure so they are accessible for inspection and maintenance.
    - Fixed inlet structures. Design intake structure for water withdrawal from at least three (3) separate levels. Install the top inlet below the water surface at normal pool elevation.
    - Floating structures. Design for water withdrawal at selected depths. Multiple length suction pipes, provisions for addition or removal of extension pipe to the pump suction are acceptable design. DEQ will consider other designs on a case-by-case basis.
    - The location of the intake and the shore infrastructure must meet USACE 404 and 408 permit requirements.

2.3 CITY OF STILLWATER INTAKE

The original Kaw Lake and dam structure included two sluice gates that are used for hydroelectric power generation by the Oklahoma Municipal Power Authority (OMPA). These sluice gates are not available for water supply. There is also a 48-inch-diameter water supply pipe located in the right non-overflow section that currently serves the City of Stillwater. This is a single level intake located at an elevation of 970.0 feet which is below the inactive pool elevation.

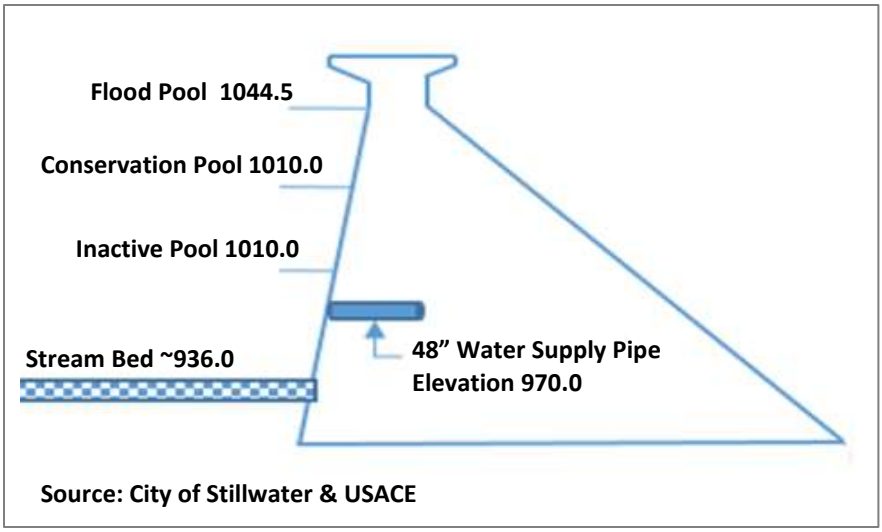


Figure 2-1 Stillwater Intake Pipe Schematic

The 48" supply line is originally intended for the Kaw Lake Water Authority for the benefit of the City of Stillwater and the City of Ponca City. Stillwater has a connection from the 48" supply to its pump station (see Figure 2-1, Figure 2.2) from where it is pumped to their water treatment plant. Ponca City has a connection to this line but does not have connecting conveyance system to its treatment plant. Hydraulic capacity information for this line was not available; however, for the purpose of this report the 48-inch capacity is estimated to be approximately 40.6 MGD at 5 feet per second (fps) and 56.9 MGD at 7 fps.

Figure 2-2 Kaw Lake Intake Pipe for Stillwater and Ponca City

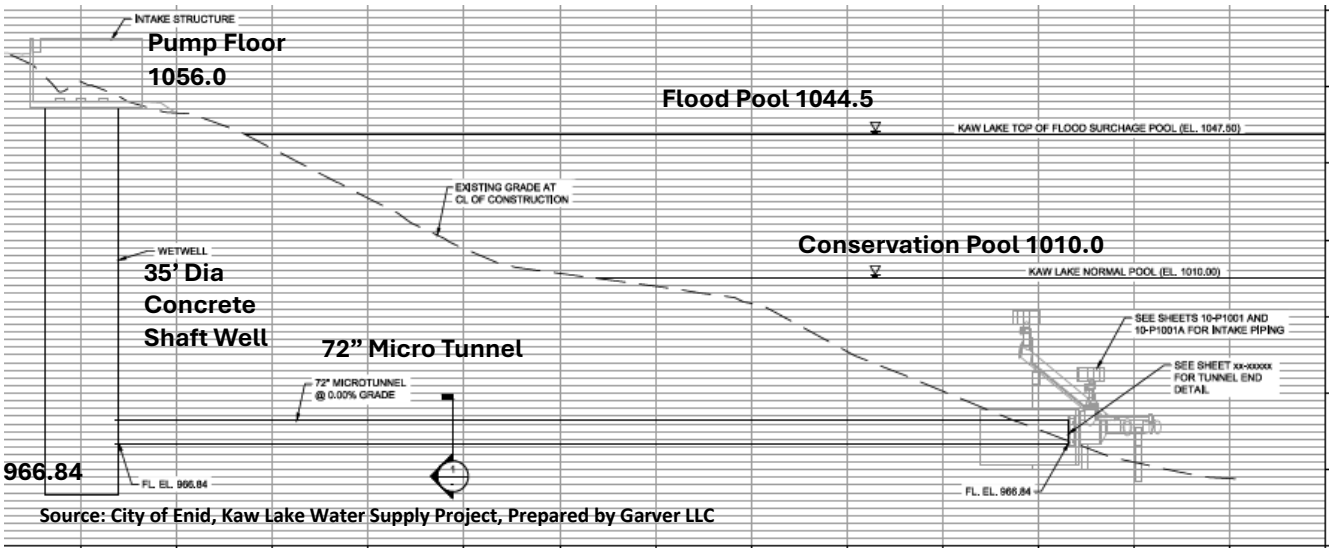
Ponca City has approximately 12.5 MGD of Kaw Lake water rights and Stillwater has approximately 50.2 MGD of water rights. Ponca City has not yet used their water rights since there is no infrastructure available. Stillwater uses Kaw water as its primary supply, and current usage is approximately 7.2 MGD, significantly less than their available water rights. However, their combined water right exceeds the estimated capacity of the 48" supply line.

Ponca City has shown interest in dedicating up to 6 MGD of water right with specific conditions and cost to be worked out in negotiations with the interested party.

2.4 CITY OF ENID INTAKE

City of Enid is constructing a new intake structure on the west bank of Kaw Lake, See Figure 2-3. This intake consists of a submerged three-level intake screens connected to a 42” common pipe header that connects to the 72” micro tunnel that extends approximately 500-feet to a new shore intake concrete well (35-feet diameter) and pump station with three vertical turbine pumps. A 30-inch conveyance pipe extends from the pump station approximately 70-miles to the Enid water treatment plant (see Figure 1-6).

Figure 2-3 Enid Kaw Lake Intake Location and Pump Station Profile



Source: City of Enid, Kaw Lake Water Supply Project, Prepared by Garver LLC

The intake concrete well has space for a total of three vertical turbine pumps. The intake pump station ultimate capacity is approximately 19.5 MGD.

Initial information gathered from Enid indicates that the intake pump station is dedicated for meeting Enid's long term needs and their obligation to the Osage Nation, and there is not additional capacity to meet Bartlesville's long term needs. In addition, Enid's intake is located on the west bank of Kaw Lake; connection to the intake will require either crossing the Kaw Lake to the east bank or routing the pipeline around the lake to the east bank. For these reasons, connection to Enid's intake does not appear a viable alternative.

In the following discussion new intakes located along the east bank of Kaw Lake are discussed.

2.5 KAW LAKE NEW INTAKE LOCATIONS EVALUATION

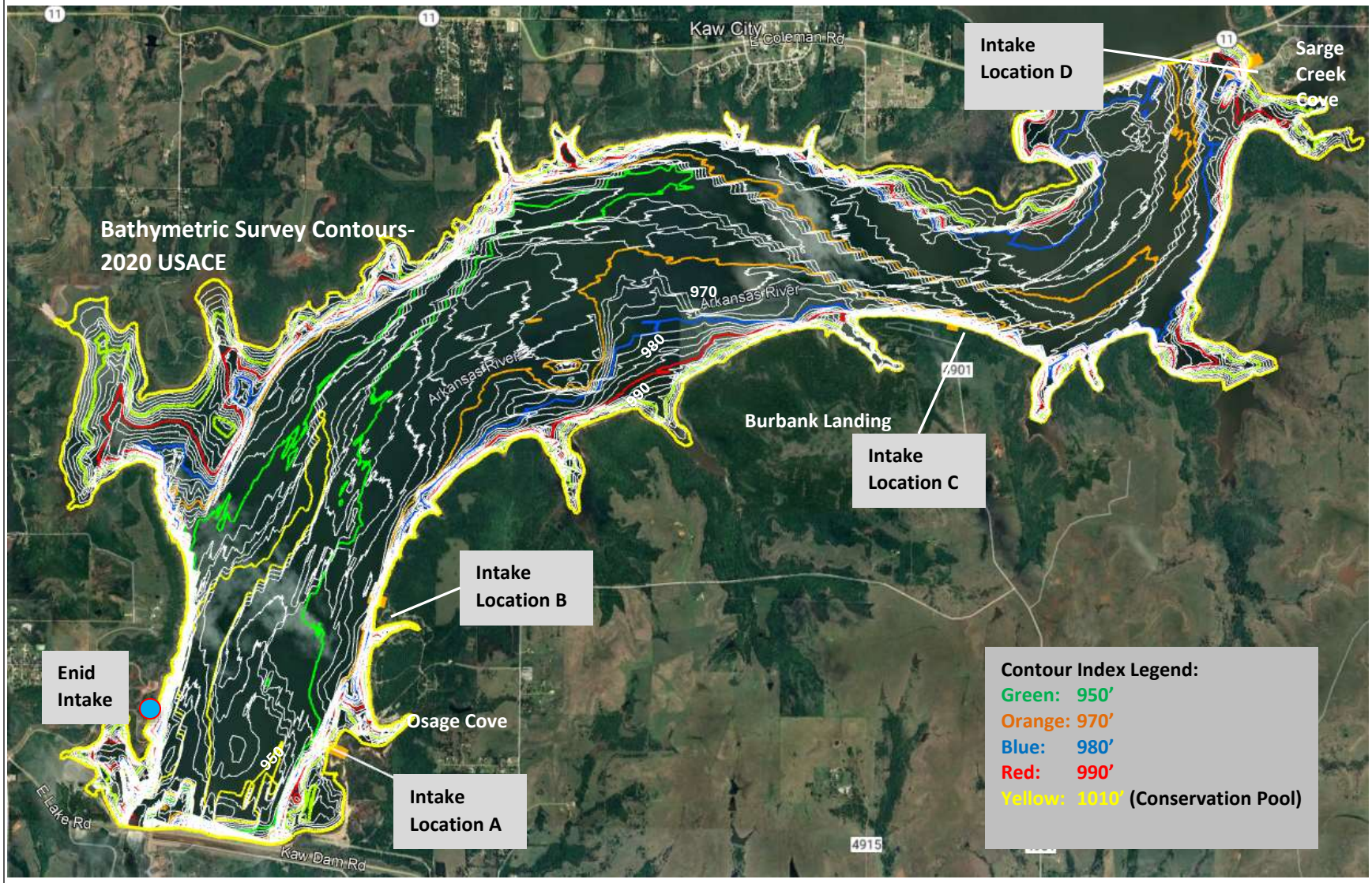
In identifying potential intake locations, the following key criteria are used:

A. Water quality. The location offers better water quality spatially within the lake and its location minimizes potential for future siltation from river flow.
B. Water depth. The location has a depth of 30 feet (minimum) and 40 feet (desired) from conservation level to accommodate three withdrawal levels as required by ODEQ.
C. Proximity. The location is proximity to the shoreline to minimize length of pipe and deep tunnels.
D. Approvability by the USACE (404 and 408 permits). The land area surrounding the lake is federally owned and managed by the USACE. The location must be suitable for 404 and 408 permit approval.
E. Constructability and capital cost. The location of the intake within the lake and its proximity to the shoreline infrastructure have big impact on the constructability and capital cost.
F. Maintenance and operational considerations. Accessibility and system complexity impact maintenance and operational considerations.

2.5.1 POTENTIAL NEW INTAKE LOCATIONS

In 2020 USACE completed bathymetric survey for Kaw Lake as shown on Figure 2-4. Based on this bathymetric survey information and water quality evaluations discussed in the previous section, four potential intake locations are identified on this figure that could meet the above key criteria. Specifically, the intake locations are chosen to provide a minimum of 40 feet water depth to accommodate three levels for withdrawal below the conservation pool elevation. Each of these four locations is evaluated in the following discussions.

Figure 2-4 Kaw Lake Bathymetric Survey Contour and Potential Intake Locations

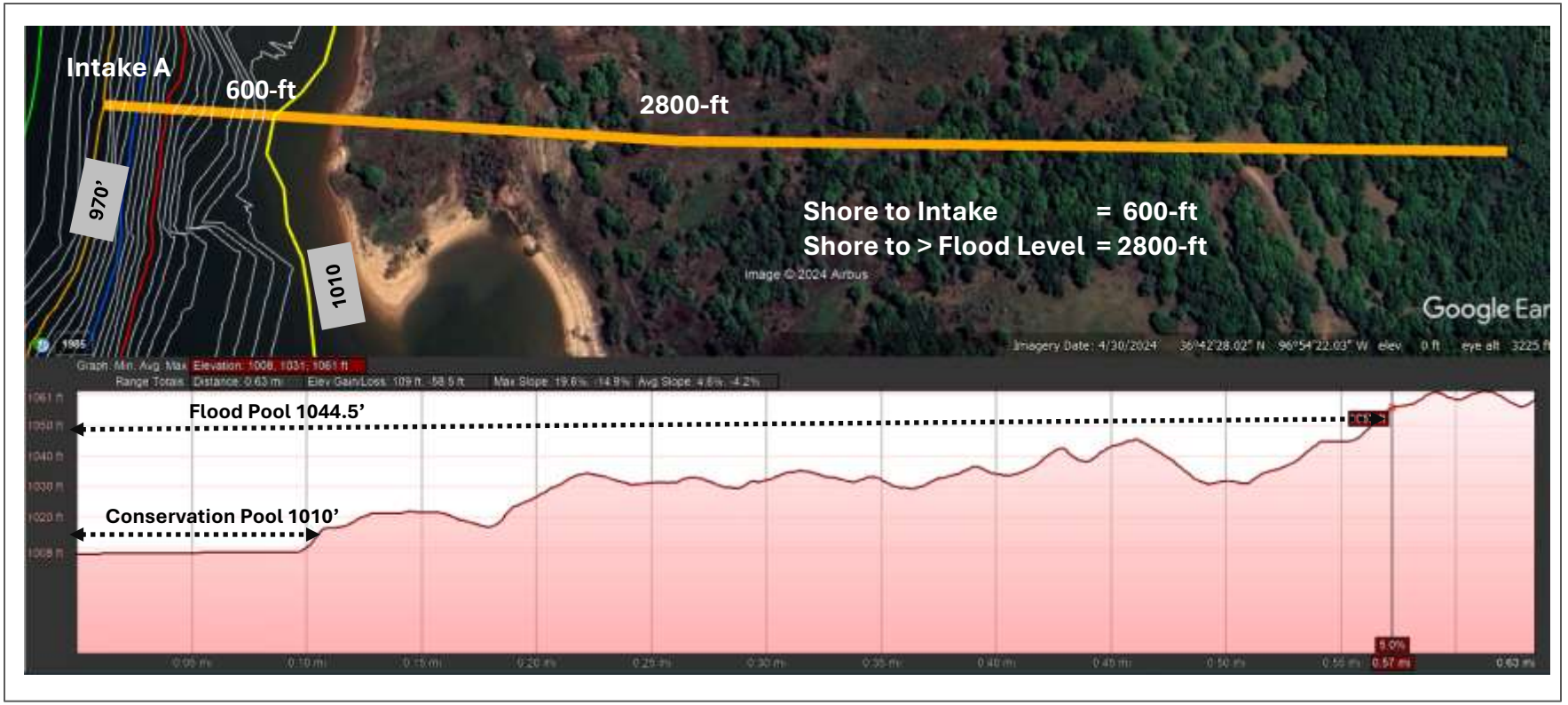


2.5.1.1 INTAKE LOCATION A

Intake Location A is located on the east bank near the Osage Cove, see Figure 2-5. The following summarizes this location evaluation for the key criteria.

Criteria	Discussion
Water Quality	Location A is on the south end of Kaw (Lower). As discussed in Section 1, within the Kaw (Lower), the middle part of lake has the best water quality overall. The south end exhibited higher average manganese and turbidly levels.
Shoreline to Intake Distance	40-feet water depth (from conservation pool elevation 1010) is approximately 600-feet from shoreline.
Proximity and Shoreline Accessibility	Kaw Lake flood pool elevation is 1044.50 and historically the record high water level reached 1047. To maintain the shoreline infrastructure (such as the pump station) above flood elevation, they must be located more than 2800-feet from the shoreline.
USACE Permit	Requires USACE Permit. Based on land use information provided by the USACE, shoreline facilities such as the pump station could be located within the Government property but will require 408 permits.
Constructability & Capital Cost	High due to 1) the shoreline facilities located further away from shore and 2) longer pipeline connection to the conveyance transmission connection.
Maintenance & Operation	Average

Figure 2-5 Intake Location A Layout Concept

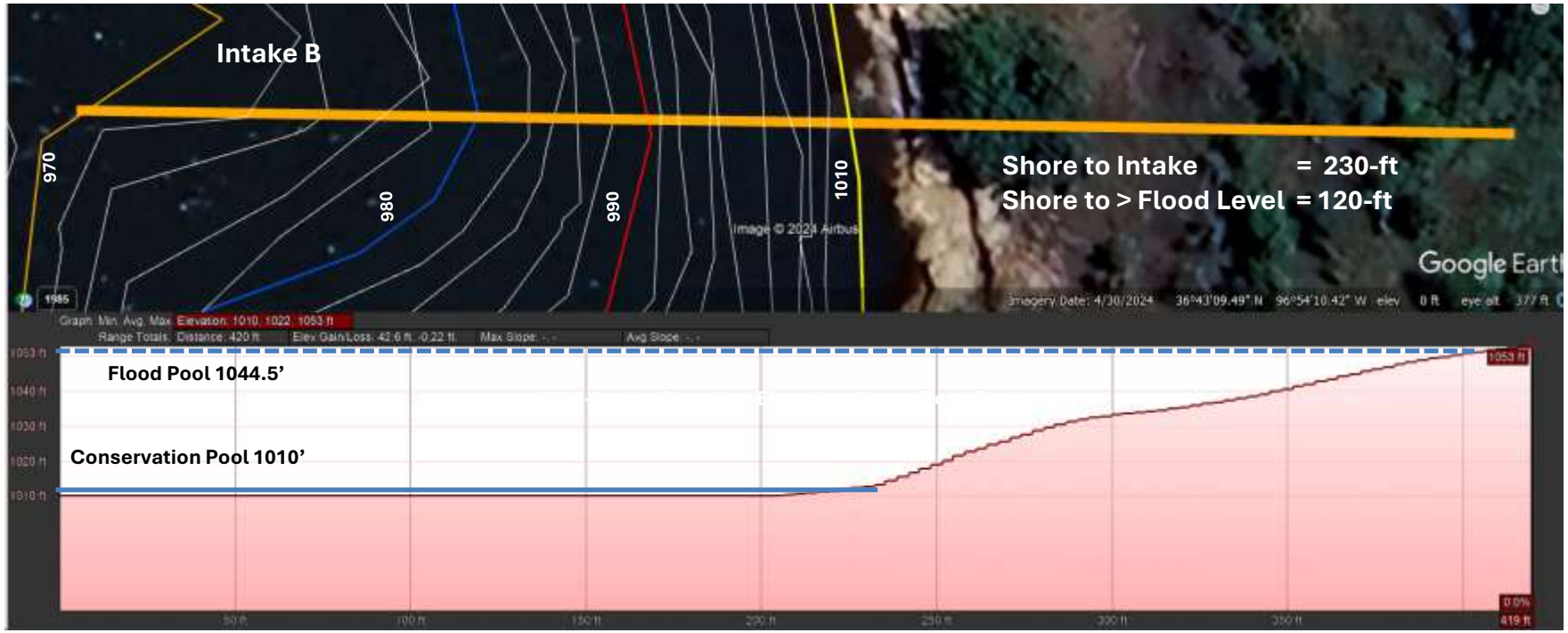


2.5.1.2 INTAKE LOCATION B

Intake Location B is located on the east bank near the Osage Cove, see Figure 2-6. The following summarizes this location location evaluation for the key criteria.

Criteria	Discussion
Water Quality	Location B is on the east bank and north of Location A and closer to the middle Kaw (Lower). As discussed in Section 1, within the Kaw (Lower), the middle part of the lake has the best overall water quality. The south end exhibited higher average manganese and turbidly levels.
Shoreline to Intake Distance	40-feet water depth (from conservation pool elevation 1010) is approximately 230-feet from shoreline.
Proximity and Shoreline Accessibility	Kaw Lake flood pool elevation is 1044.50 and historically the record high water level reached 1047. To maintain the shoreline infrastructure (such as the pump station) above flood elevation, they must be located more than 120-feet from the shoreline.
USACE Permit	Requires USACE Permit. Based on land use information provided by the USACE, shoreline facilities such as the pump station could be located within the Government property but will require 408-permit.
Constructability & Capital Cost	Average due to 1) the shoreline facilities located at modest proximity from shore and 2) less pipeline connection to the conveyance transmission connection.
Maintenance & Operation	Average

Figure 2-6 Intake Location B Layout Concept

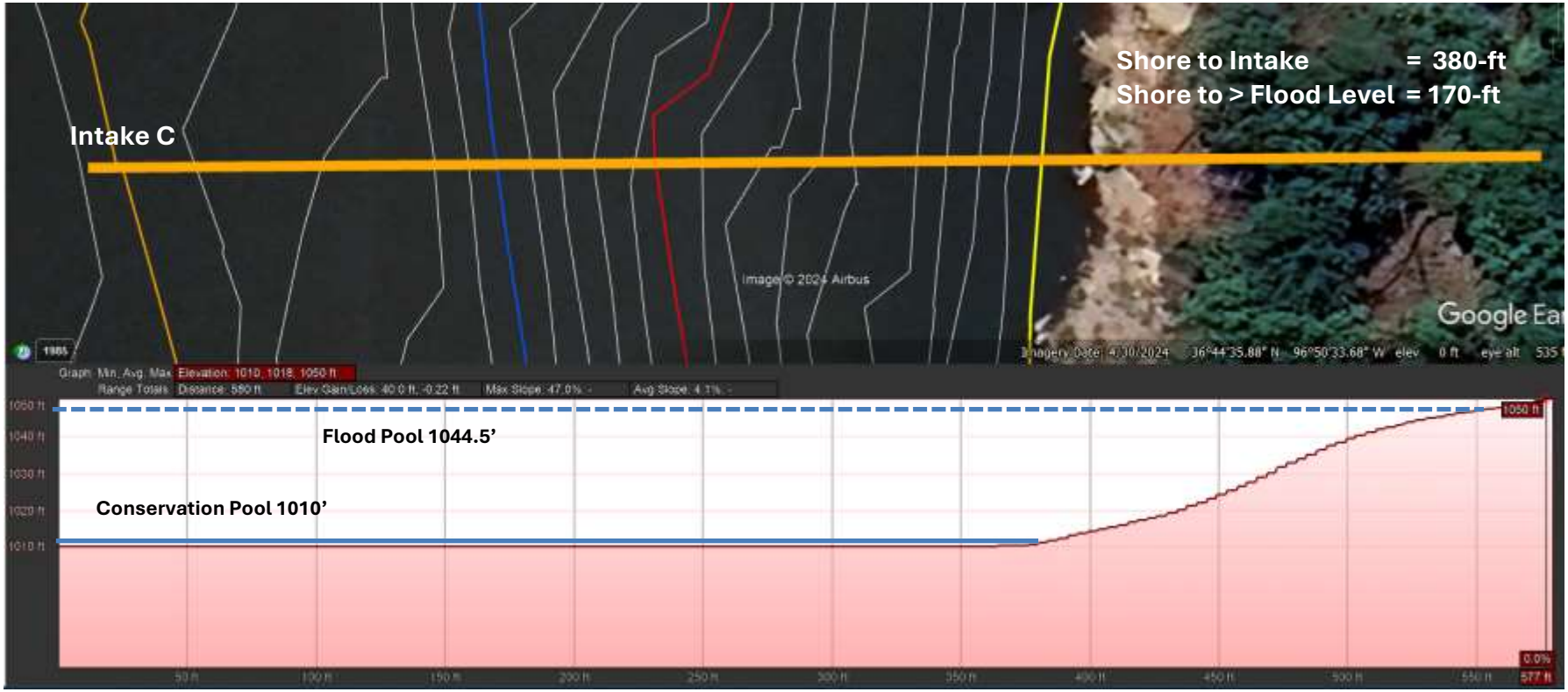


2.5.1.3 INTAKE LOCATION C

Intake Location C is located on the east bank north of Location B, see Figure 2-7. The following summarizes this location evaluation for the key criteria.

Criteria	Discussion
Water Quality	Location C is on the east bank and north of Location B and closer to the middle Kaw (Lower). As discussed in Section 1, within the Kaw (Lower), the middle part of the lake has the best overall water quality. The south end exhibited higher average manganese and turbidly levels.
Shoreline to Intake Distance	40-feet water depth (from conservation pool elevation 1010) is approximately 380-feet from shoreline.
Proximity and Shoreline Accessibility	Kaw Lake flood pool elevation is 1044.50 and historically the record high water level reached 1047. To maintain the shoreline infrastructure (such as the pump station) above flood elevation, they must be located more than 170-feet from the shoreline.
USACE Permit	Requires USACE Permit. Based on land use information provided by the USACE, shoreline facilities such as the pump station could be located within the Government property but will require 408-permit.
Constructability & Capital Cost	Average due to 1) the shoreline facilities located at modest proximity from shore and 2) less pipeline connection to the conveyance transmission connection compared to Locations A and D.
Maintenance & Operation	Average

Figure 2-7 Intake Location C Layout Concept

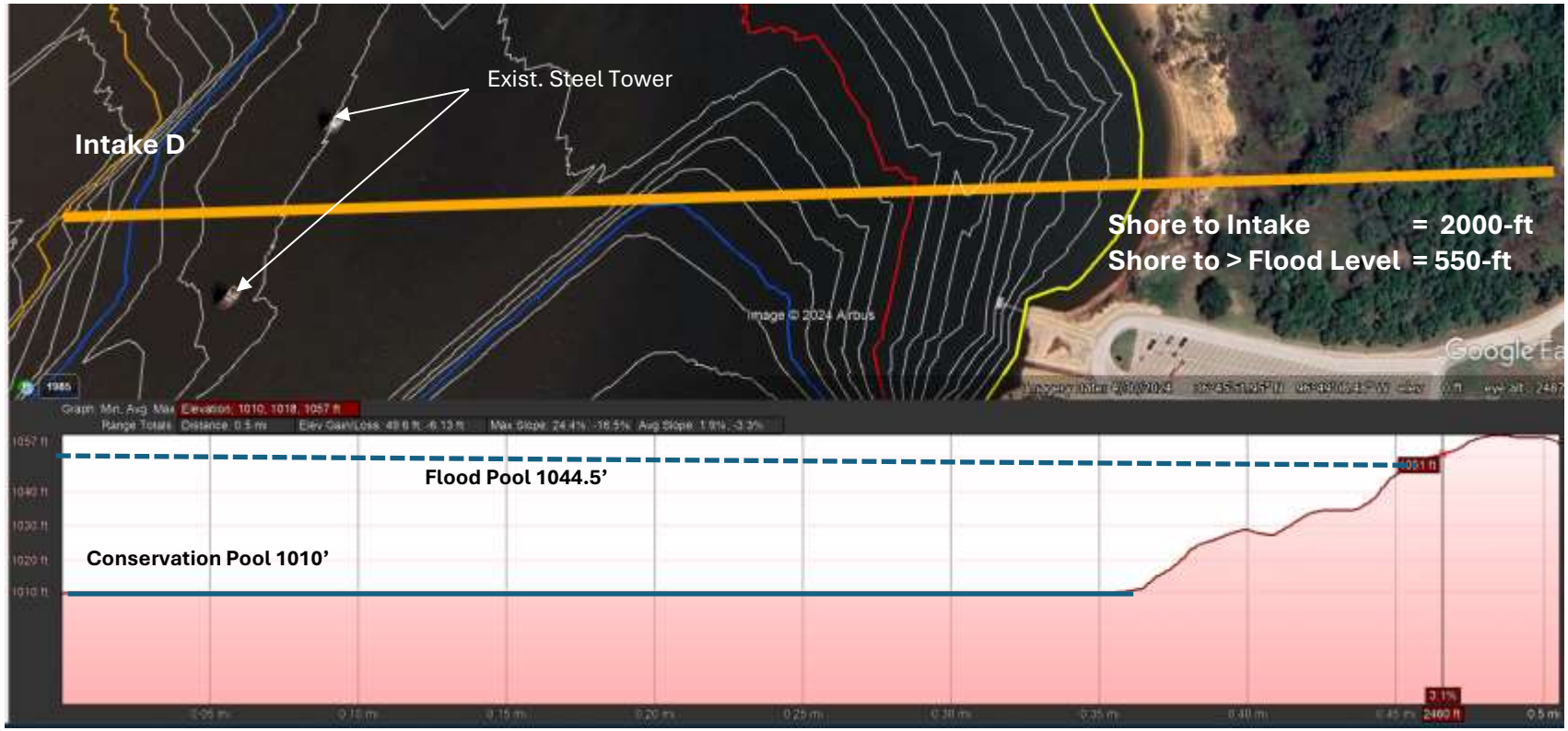


2.5.1.4 INTAKE LOCATION D

Intake Location D is located on the east bank north of Location C, near the Sarge Creek Cove, see Figure 2-8. The following summarizes this location location evaluation for the key criteria.

Criteria	Discussion
Water Quality	Location D is on the east bank and north of Location C near the north end of Kaw (Lower). As discussed in Section 1, within the Kaw (Lower), the middle part of the lake has the best overall water quality. The north end exhibited higher average turbidly levels. This location is also in the direct flow direction through Highway 11 bridge that could potentially create accelerated siltation compared to other locations.
Shoreline to Intake Distance	40-feet water depth (from conservation pool elevation 1010) is approximately 2000-feet from shoreline.
Proximity and Shoreline Accessibility	Kaw Lake flood pool elevation is 1044.50 and historically the record high water level reached 1047. To maintain the shoreline infrastructure (such as the pump station) above flood elevation, they must be located more than 550-feet from the shoreline.
USACE Permit	Requires USACE Permit. Requires USACE Permit. Based on land use information provided by the USACE, shoreline facilities such as the pump station could be located within the Government property but will require 408-permit.
Constructability & Capital Cost	High due to 1) the shoreline facilities located at about 2000-feet from shore and 2) longer pipeline connection to the conveyance transmission connection compared to Locations C or B.
Maintenance & Operation	Average

Figure 2-8 Intake Location D Layout Concept



2.5.2 INTAKE LOCATION LOCATIONS COMPARATIVE EVALUATION SUMMARY

Criteria	Discussion			
	Intake Location A	Intake Location B	Intake Location C	Intake Location D
Water Quality [4]	Below Average	Average	Above Average	Below Average
Shoreline to Intake Distance [2]	600-feet	230-feet	380-feet	2,000-feet
Proximity and Shoreline Accessibility [5]	Distance to > flood elevation: 2,800-feet	Distance to > flood elevation: 120-feet	Distance to > flood elevation: 170-feet	Distance to > flood elevation: 550-feet
USACE Permit [3]	Government land, construction allowed but will require 408-permit.	Government land, construction allowed but will require 408-permit.	Government land, construction allowed but will require 408-permit.	Government land, construction allowed but will require 408-permit.
Constructability & Capital Cost [2]	High	Average	Average	Above Average
Maintenance & Operation [1]	Average	Average	Average	Average

Notes:

1. "Average" indicates the criteria is comparable among locations. "High" indicates highest amongst the locations.
2. Distance is from shoreline to 40-feet water depth. Higher the distance, higher will be the construction cost and increased constructability difficulty.
3. Based on discussion with and land use map provided by USACE.
4. Based on USACE 2021 water quality monitoring data.
5. Distance is from shoreline to ground elevation that is above the flood pool elevation of 1044.50.

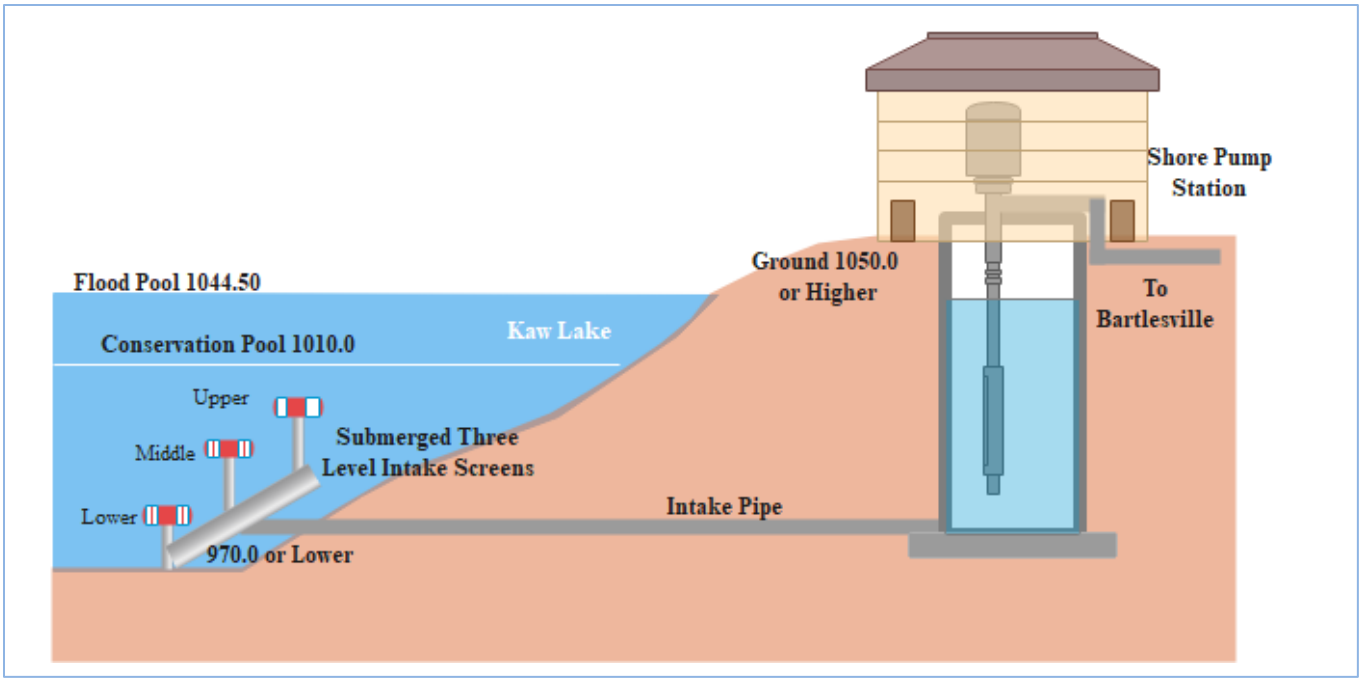
2.6 EVALUATION OF INTAKE TYPES

The conveyance of water from Kaw Lake to Bartlesville Lake Hudson will require pumping as discussed in Section 3. Therefore, in the intake type evaluation a pump station is assumed. Refer to Section 3 for the discussion of the conveyance system hydraulics and pipeline alignments.

2.6.1 SUBMERGED INTAKE WITH ONSHORE PUMP STATION (TYPE 1)

In this configuration, a submerged intake is located within the lake and a suction header is extended to an onshore pump station, see Figure 2-9.

Figure 2-9 Submerged Intake with Offshore Pump Station



Intake screens set at three different levels are connected to a common header that connects to the intake pipe that is extended to the pump station well. Each screen is provided with a electric operated control valve that is remotely operated from the shoreline pump station to select a particular level for withdrawal. From the pump station, vertical turbine pumps would be used to transfer water to Bartlesville Hudson Lake. Top of the pump operating floor and electrical gears will be located above the flood pool elevation, approximately 1050.0.

Submerged intake of this type allows pre-fabrication of the screens and the pipe manifold offshore, taken to the lake for submergence in-place. This will require marine construction techniques for the pile supports for the pipe header and underwater pipeline connections.

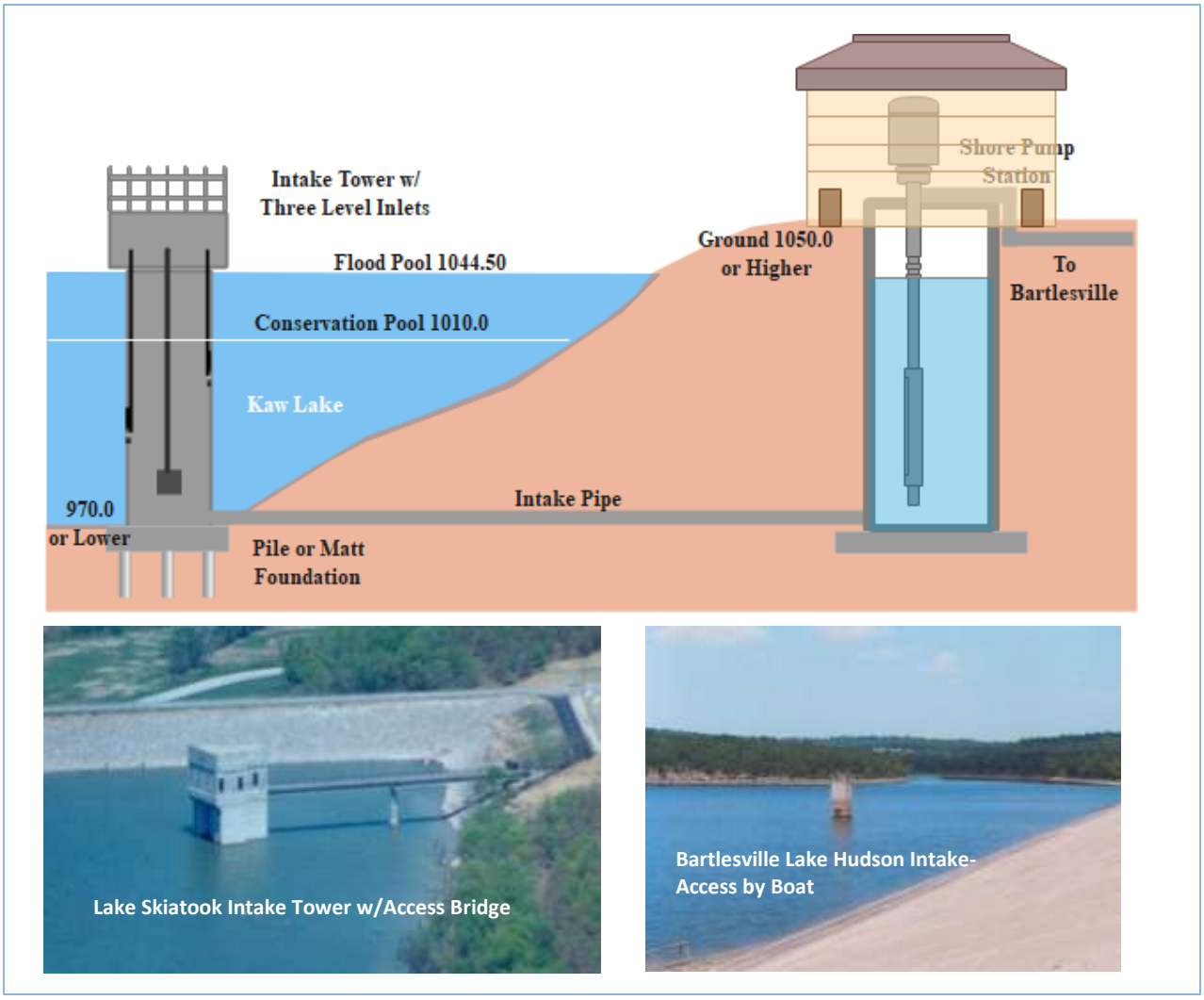
This submerged intake configuration is similar to City of Enid's recently completed intake structure and this type of configuration successfully went through USACE approval process. City of Edmond is also

constructing a submerged intake on Lake Arcadia that successfully went through USACE approval process.

2.6.2 FREE STANDING INTAKE (INTAKE TOWER) WITH ONSHORE PUMP STATION (TYPE 2)

Instead of submerged screens, in this option a permanent concrete structure within the lake is constructed for use, see Figure 2-10.

Figure 2-10 Intake Tower with Offshore Pump Station



The structure will have multiple level intake screened openings to draw water into the well from where it flows by gravity to the offshore pump station well. These screened openings will have sluice gates to individually select the level for withdrawal. The intake tower can be provided with or without a bridge to the shoreline. Without a bridge the access is by boat. Examples (Lake Skiatook and Bartlesville's Lake Hudson intakes) of these types are show in Figure 2-10.

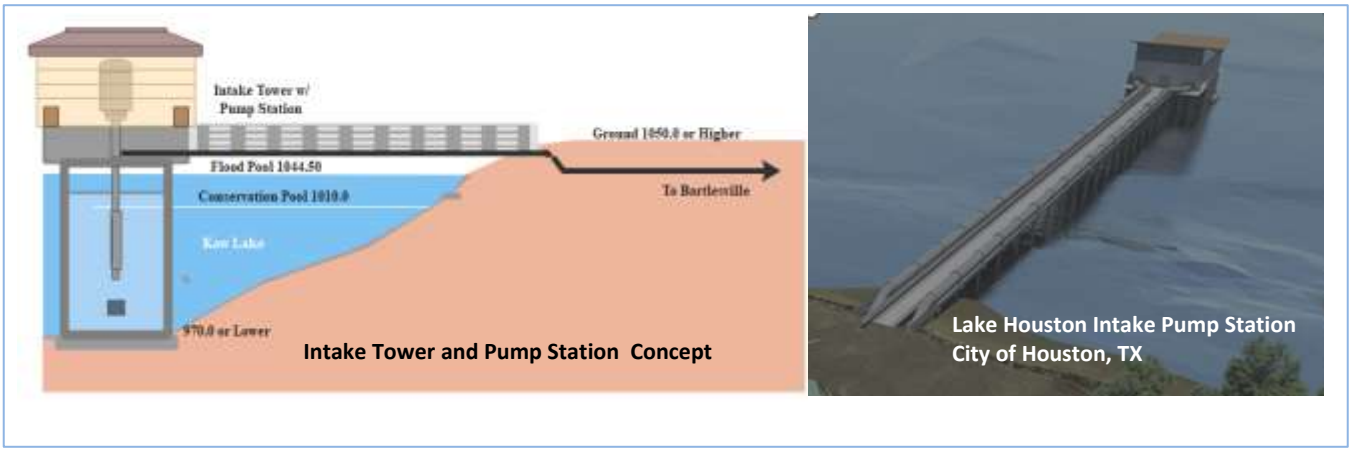
The intake tower is typically constructed of either cast-in-place concrete or prefabricated concrete sections assembled in place. Kaw Lake conservation pool is 1010.0 and the flood pool elevation is 1044.50. However, during the 2019 flood, the Kaw lake level exceeded 1047 feet. Assuming a 3-feet freeboard, the top of the tower will be approximately 1050.0. With minimum 40-feet water depth goal at the intake location, the total height of the intake tower will be approximately 80-feet with 40-feet extending above the conservation pool level.

This type of intake tower is typically constructed as part of original lake construction. Constructing them in an active lake will require considerably higher construction cost than the submerged intake especially if an access bridge Is included. Initial discussion with USACE did not rule out the permitting approval; however, any structure extending above the water level will require extended review and approval process.

2.6.3 FREE STANDING INTAKE TOWER COMBINED WITH PUMP STATION (TYPE 3)

This option uses a permanent pump station structure within the storage pool, see Figure 2-11. Vertical turbine pumps would be positioned to pump water from the structure to the discharge pipe. Multiple intake ports with isolation gates would be provided to allow selection of different lake levels for withdrawal. This option may be constructed with either a bridge to provide access from shore or a dock to provide access by boat. Piping and electric cables may be attached to the bridge (if provided) or anchored to the lakebed. The top of this pump station should be above the flood pool elevation. The pumps will be protected with an enclosure building. An example of this type (City of Houston) is shown on Figure 2-11.

Figure 2-11 Intake Tower Combined with Pump Station



Incorporating the pump station as spart of the intake tower eliminates the need for a shoreline pump station but it requires construction and maintenance of high voltage electrical and pumping system in the lake environment. Initial discussion with USACE did not rule out the permitting approval; however, any structure extending above the water level will require extended review and approval process.

Based on discussion with Bartlesville staff, this type of intake pump station is not preferred and therefore, not included in further considerations.

2.6.4 FLOATING INTAKE COMBINED WITH PUMP STATION (TYPE 4)

This option uses a floating barge as the platform to house vertical shaft pumps in a building enclosure. The floating barge/pump platform would be moored over the deepest portion of the lake. It would rise and lower with the changing water level within the storage pool. The pumps would be configured to allow water to be withdrawn at various depths so that the best water quality can be selected. The pump station must be located such that the turbines do not hit the lake bottom at minimum storage pool levels.

Figure 2-12 Floating Intake Combined with Pump Station

For Kaw Lake, the water level variations between the conservation pool to the flood pool exceeds 37-feet and this level of variation presents constructability and structural integrity challenges for the floating pump station. Based on discussion with Bartlesville staff, the floating pump station is not preferred and therefore, not included in further considerations.

2.6.5 COMPARATIVE EVALUATION OF INTAKES

A comparative evaluation of intake pump station locations is summarized on Table 2-1 below.

Table 2-1 Intake Comparative Evaluation

Intake Type	Pros	Cons
Type 1- Submerged Intake with Onshore Pump Station.	• Lower construction cost. • Submerged infrastructure with minimum above water exposure. • Recently approved by USACE for Enid and Edmond.	• Remote operated submerged valves. • Periodic maintenance requires experienced divers and marine inspection techniques. • Submerged electrical valves.
Type 2- Free Standing Intake with Onshore Pump Station.	• Traditional type and simpler operation. • No electrical equipment below water level or in the lake.	• HIGH Construction cost. • Potential USACE potential permitting concerns.
Type 3- Free Standing Intake Combined with Pump Station.	• Does not require onshore tunnel construction and deep construction.	• High construction cost. • High voltage equipment and pumps in potential water hazards. • Potential USACE potential permitting concern.

2.6.6 PERMIT REQUIREMENTS

For any new intake structure at the Kaw Lake, the following permit requirements will apply:

2.6.6.1 SECTION 408 PERMIT

The proposed intake locations are within the US Government land around the Kaw Lake. Section 408 permit administered by the USACE will be required for alterations proposed within the lands and real property interest of the USACE.

2.6.6.2 SECTION 404 PERMIT

Section 404 permit administered by the USACE will be required for discharge of dredging or fill material into any waters of the USA, including wetlands.

2.6.6.3 SECTION 10 PERMIT

Section 10 permit under the Rivers and Harbors Act of 1899 may be required for activities in navigable waters such as dredging, construction of docks and bulkheads and placing aids to navigation.

2.6.6.4 SECTION 401 WATER QUALITY CERTIFICATION

Section 401 Water Quality certification by the state will be required. Under Section 401 of the Clean Water Act (CWA), a federal agency may not issue a permit or license to conduct any activity that may result in any discharge into waters of the United States unless a Section 401 water quality certification is issued, or certification is waived. States and authorized tribes where the discharge would originate are generally responsible for issuing water quality certifications.

2.6.6.5 WATER RIGHTS PERMIT

Bartlesville currently does not have any water rights on Kaw Lake. Storage rights and water rights from the United States Army Corps of Engineers(USACE) and the Oklahoma Water Resources Board (OWRB), respectively, will be required to access water at Kaw Lake. In addition, there is still certain unresolved issues between the Osage Nation and the OWRB regarding water rights which may impact the new water rights.

2.6.6.6 ODEQ PERMIT TO CONSTRUCT

For the intake infrastructure, a permit to construct from Oklahoma Department of Environmental Quality (ODEQ) will be required.

3.0 PIPELINE ALIGNMENT

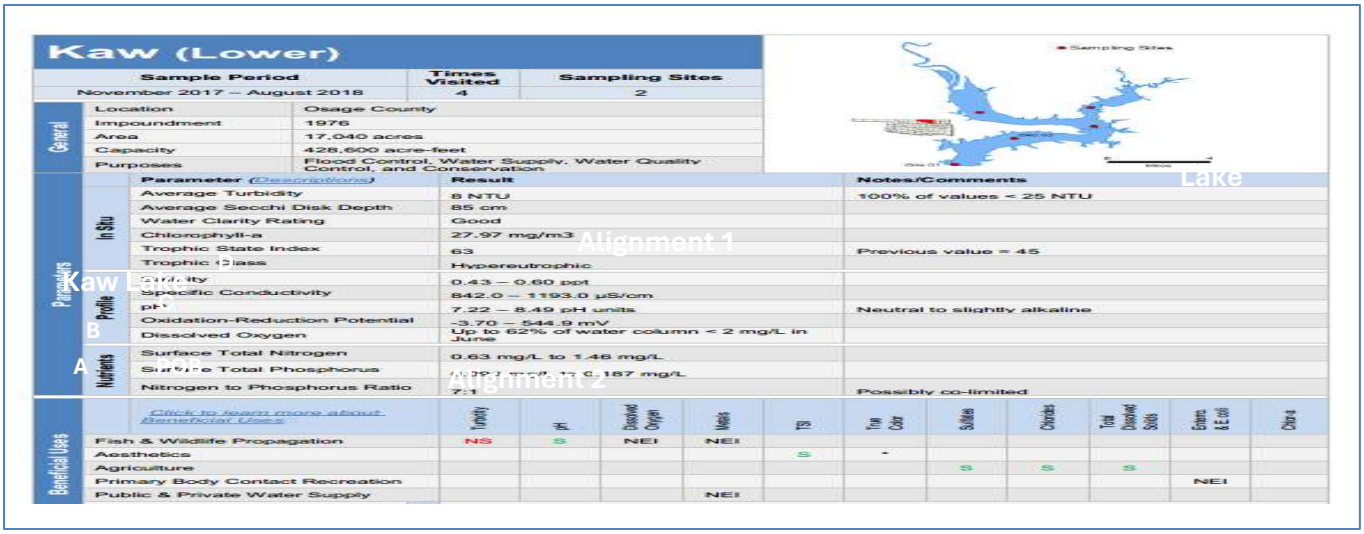
3.1 INTRODUCTION

The proposed system will convey raw water from Kaw Lake intake to a discharge point in the upper reaches of Hudson Lake at Butler Creek. The intake facilities include an intake structure, pump station and location-specific discharge piping called “spur” piping which connect to the main pipelines.

Two alignments – Alignment 1 and 2 – were identified and evaluated as summarized below. Alignment 1 is the most remote and least accessible but is the shortest. It also generally follows the alignment proposed earlier by the U.S. Corps of Engineers 2007 study. Alignment 2 is much more accessible but longer.

Figure 3-1 shows an overview of each alignment from a common point of beginning (POB) to each of the four potential intake locations A, B, C and D. Connecting pipelines (“spurs”) from each location to the main alignments are discussed later in this section.

Figure 3-1 Overview of Alignments 1 and 2



3.2 ALIGNMENT DESCRIPTIONS

3.2.1 ALIGNMENT 1

3.2.1.1 GENERAL DESCRIPTION

The point of beginning (POB) of Alignment 1 is located one mile east of County Road 4901, approximately 4.5 miles east of the east abutment of the Kaw Lake dam and 0.75 miles north of Highway 60. Portions of the pipeline are described as follows (see Figures 3-2, 3-3 and 3-4):

- Mile 0.0 to Mile 10.7: From the POB the pipeline follows a high-voltage powerline which generally runs in a northeasterly direction for approximately 10.7 miles to a point near Highway 18 approximately 1 mile south of Shidler.
- Mile 10.7 to Mile 40.9: At the 10.7-mile point, the pipeline turns east and runs along an existing high-voltage powerline for 30.20 miles (it does depart from the power line when the line jogs to the north around the Drummond Lodge) where it intersects an existing easement for Products Pipeline which runs diagonally from southwest to northeast.
- Mile 40.9 to Mile 45.3: The line runs northeasterly and parallels Products Pipeline for about 4.4 miles.
- Mile 45.3 to Mile 45.9: The line then turns due east (and crosses Products Pipeline) for 0.6 miles to the discharge point at Hudson Lake adjacent to the Butler Creek tributary.

3.2.1.2 CONSIDERATIONS FOR ALIGNMENT 1

- Potential Wholesale Customers (See Figure 3-7):
  - City of Shidler. The proposed alignment comes within 1.0 mile of Shidler. A connection could serve as a supplemental source of supply. However, the Shidler system only serves a population of approximately 400.
  - City of Pawhuska. The proposed alignment crosses Middle Bird Creek, which is the main tributary that feeds Bluestem Lake, the main water source for the City of Pawhuska. The crossing is approximately 6 stream miles above (to the northwest) of the upper reaches of the lake. A discharge at this location or a piped connection directly to Pawhuska's raw water line from the lake to their water treatment plant (another 3.5 miles) could serve as a backup supply for Pawhuska. Pawhuska serves a population of approximately 3,000 plus two or three rural water districts.
  - Osage RWD No. 21. Osage RWD 21 covers a large area of northwest Osage County plus parts of eastern Kay County. The district serves a population of only about 1,500 but its service area covers large part of the western reaches of the pipeline. Their current raw water supply is groundwater from wells in the far northwest part of the district, away from the proposed pipeline. This, along with the fact that they currently treat groundwater instead of surface water, is not advantageous for a potential connection; however, they have recently had water quality problems with their current source.
  - Ranchers. Much of the proposed pipeline crosses large ranches, including the Drummond Ranch. There may be some potential to supply small amounts of raw water for livestock.

Figure 3-2 Alignments 1 and 2 (Sheet 1 of 3)

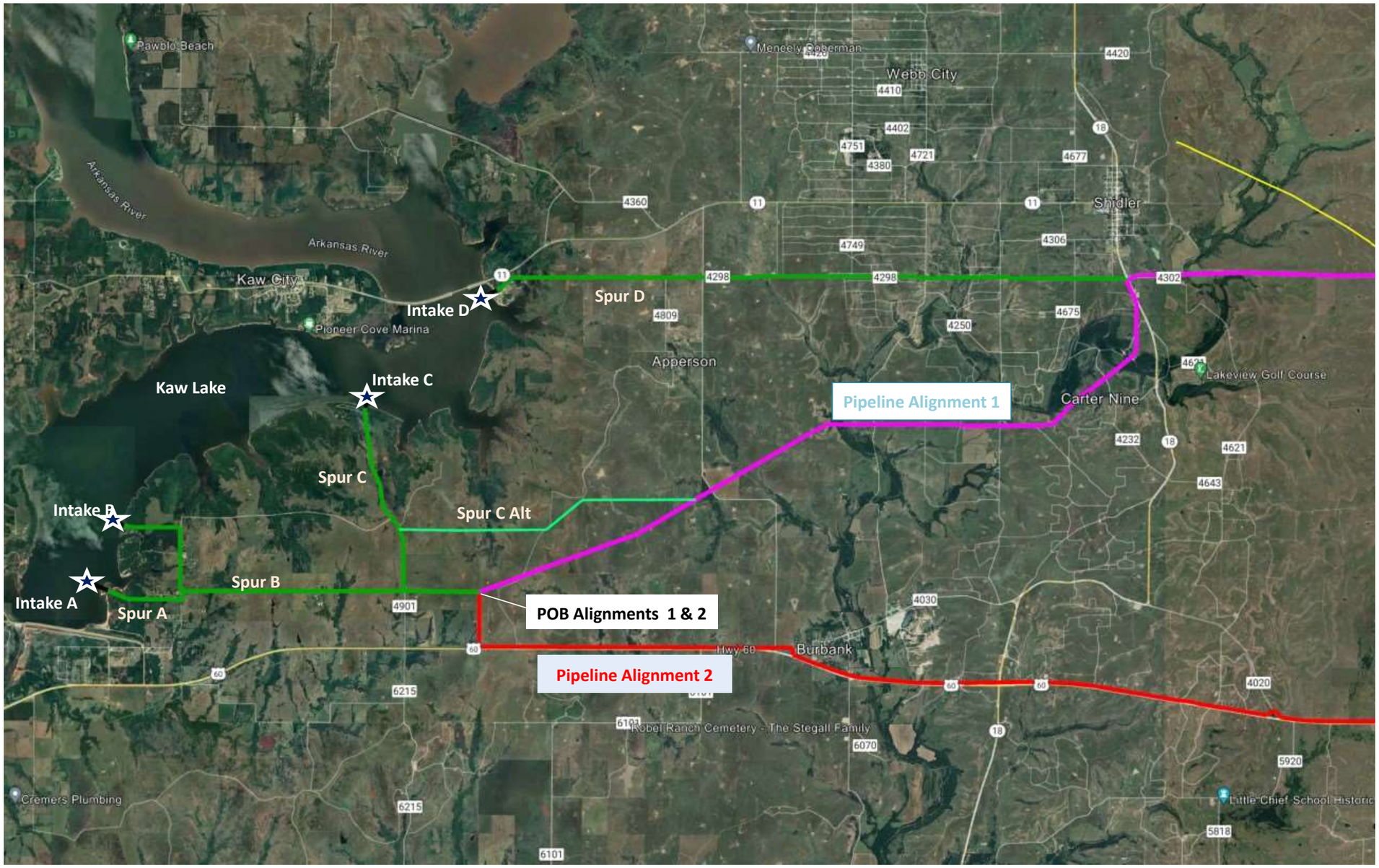


Figure 3-3 Alignments 1 and 2 (Sheet 2 of 3)

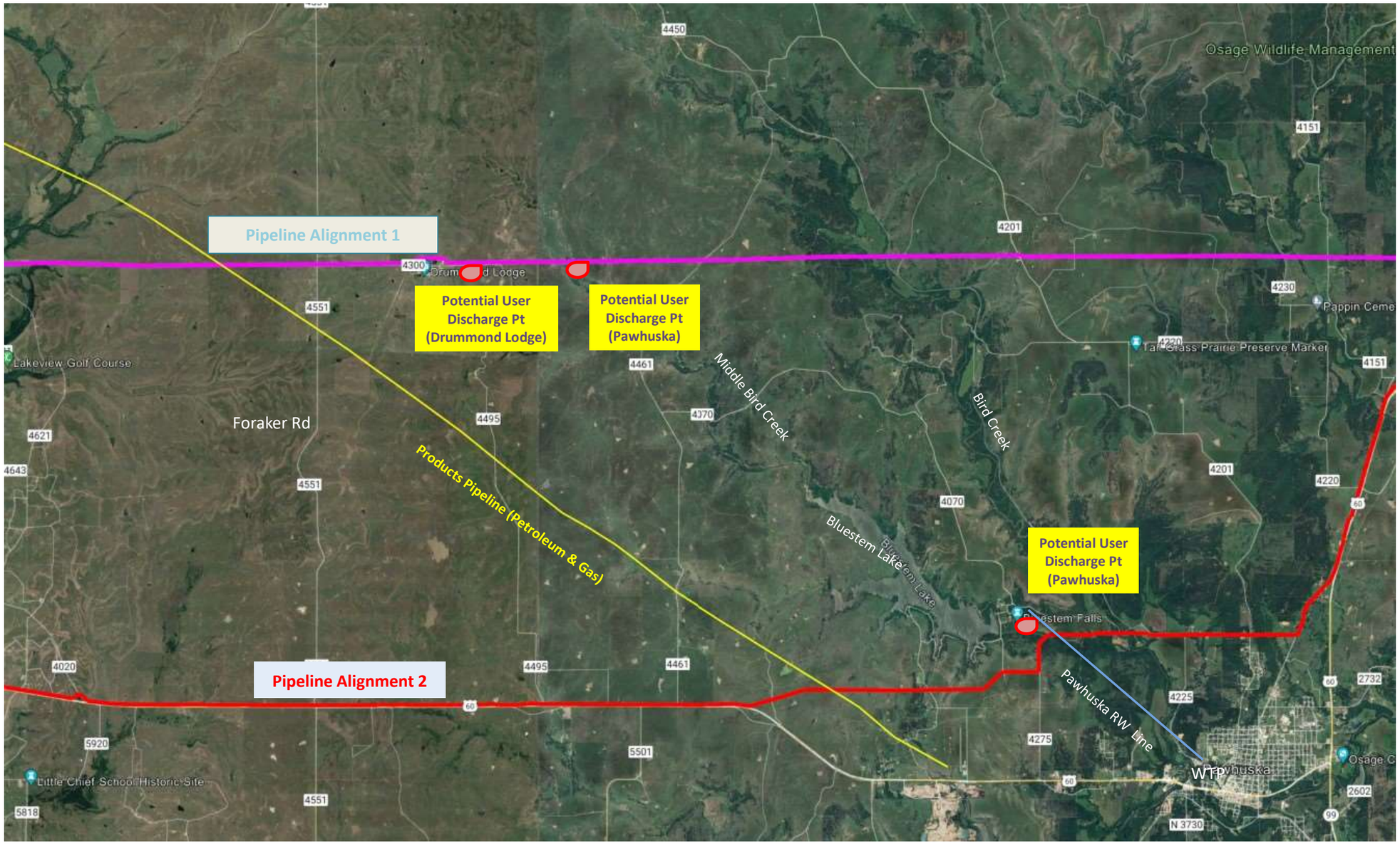


Figure 3-4 Alignments 1 and 2 (Sheet 3 of 3)

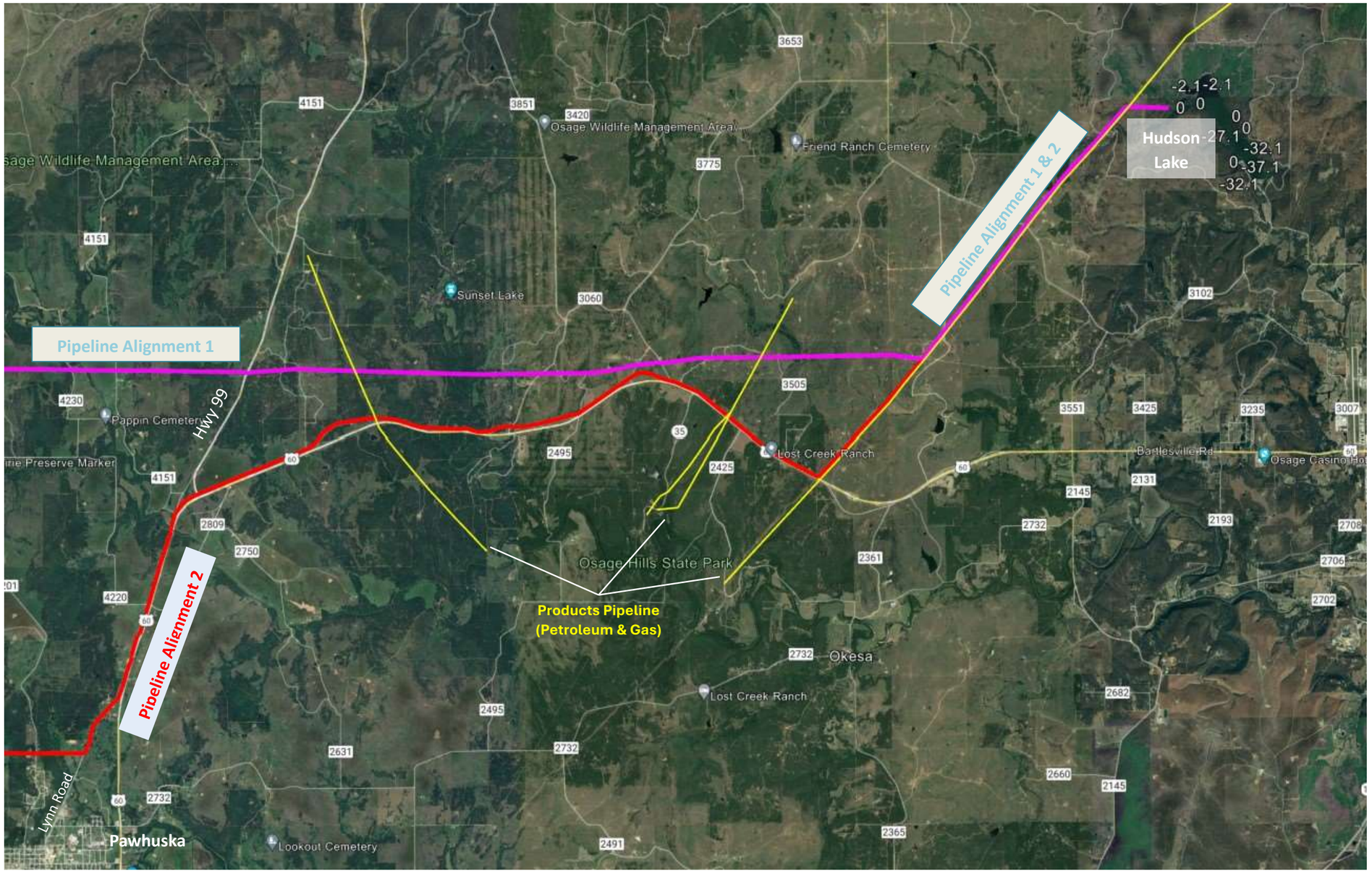
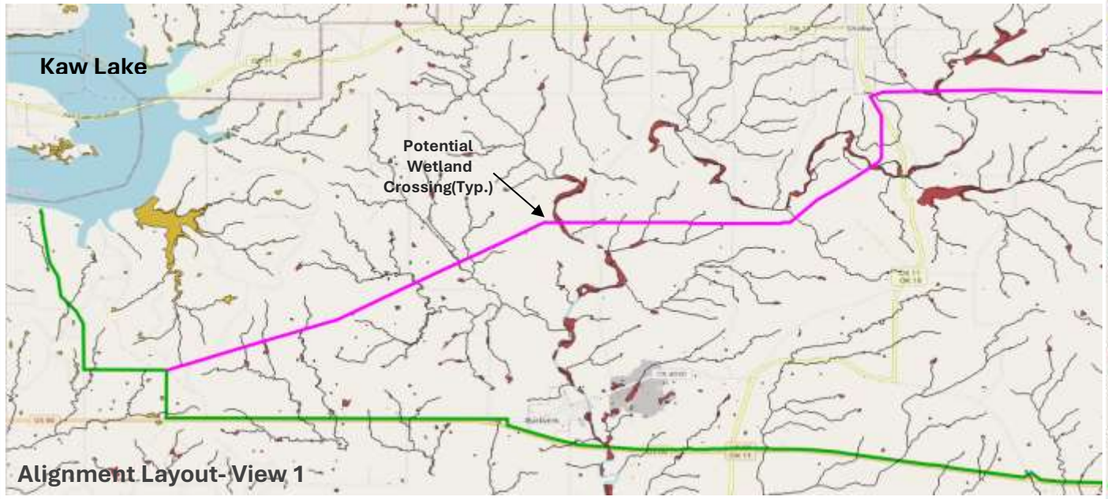
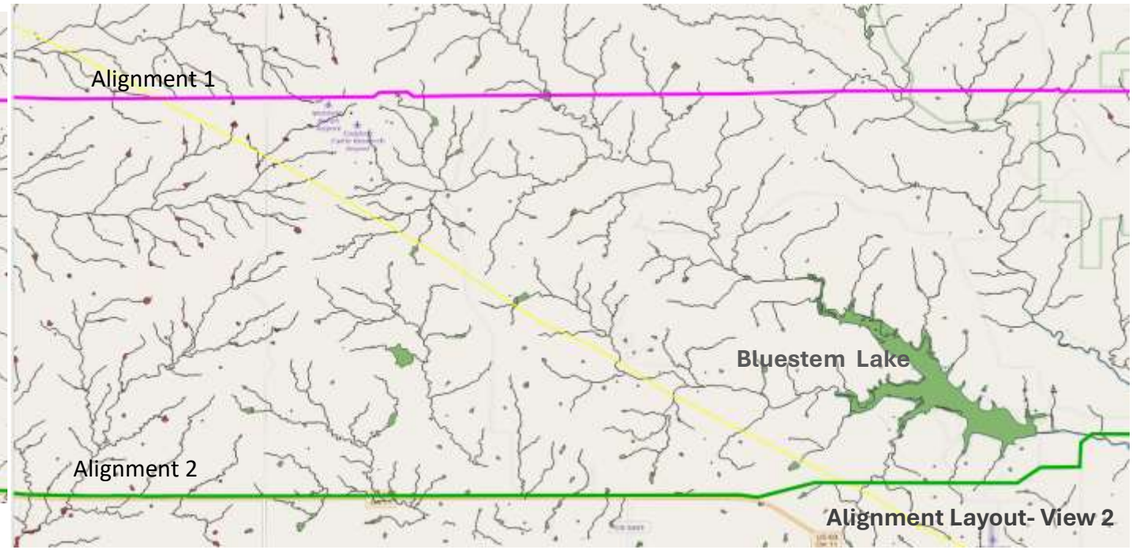
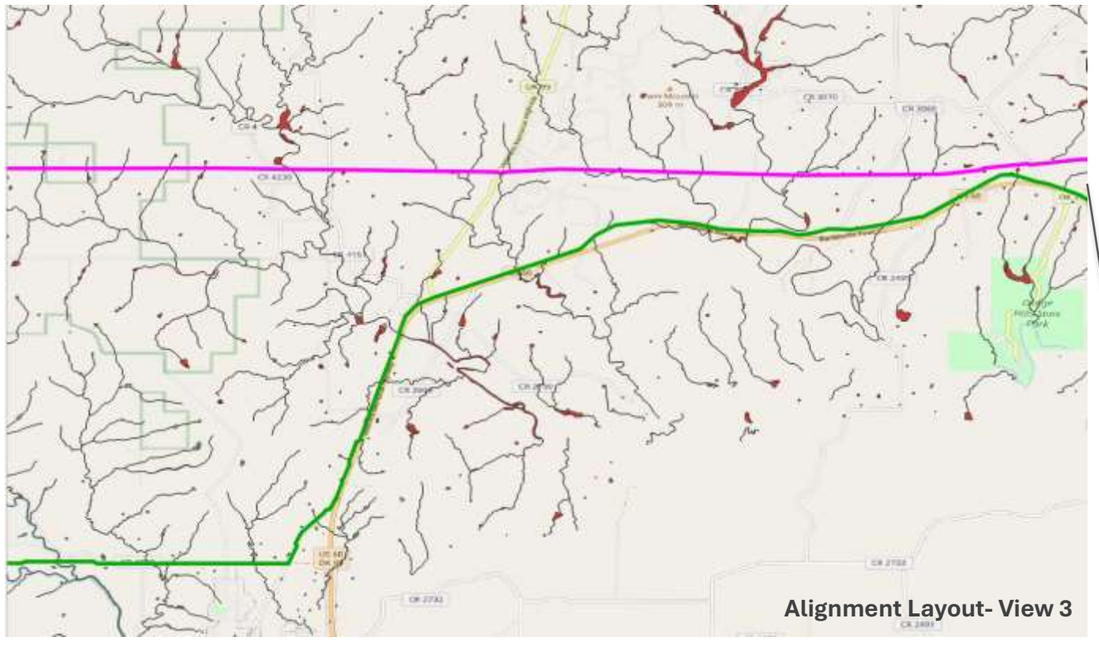


Figure 3-5 Alignments 1 and 2-Crossing of Waterbodies and Potential Wetlands



Note: Information shown are from National Wetland Inventory Map but actual determination will require field survey and delineation.





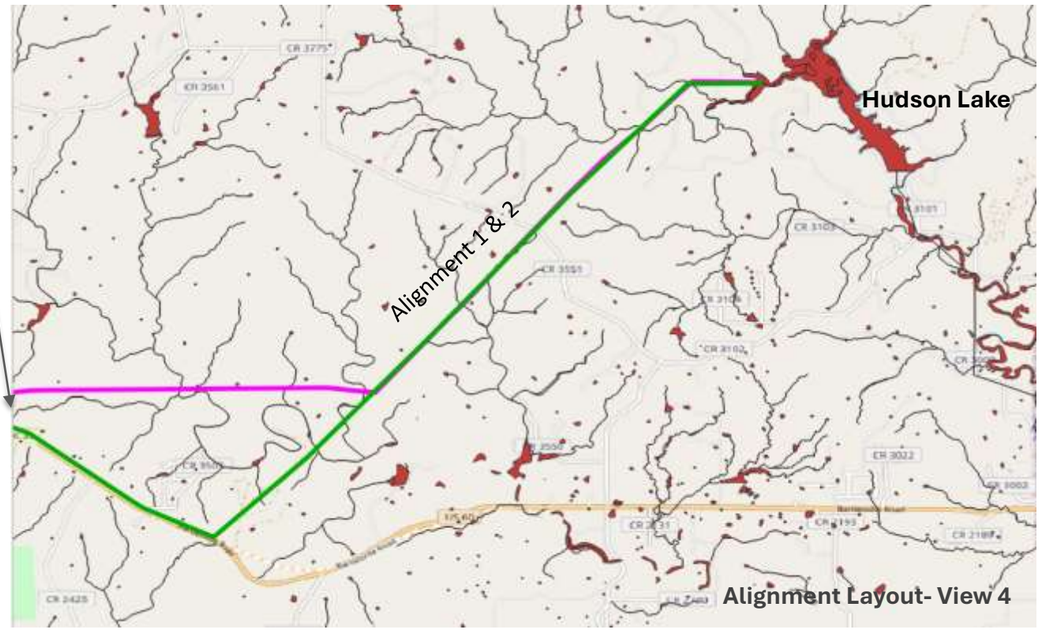
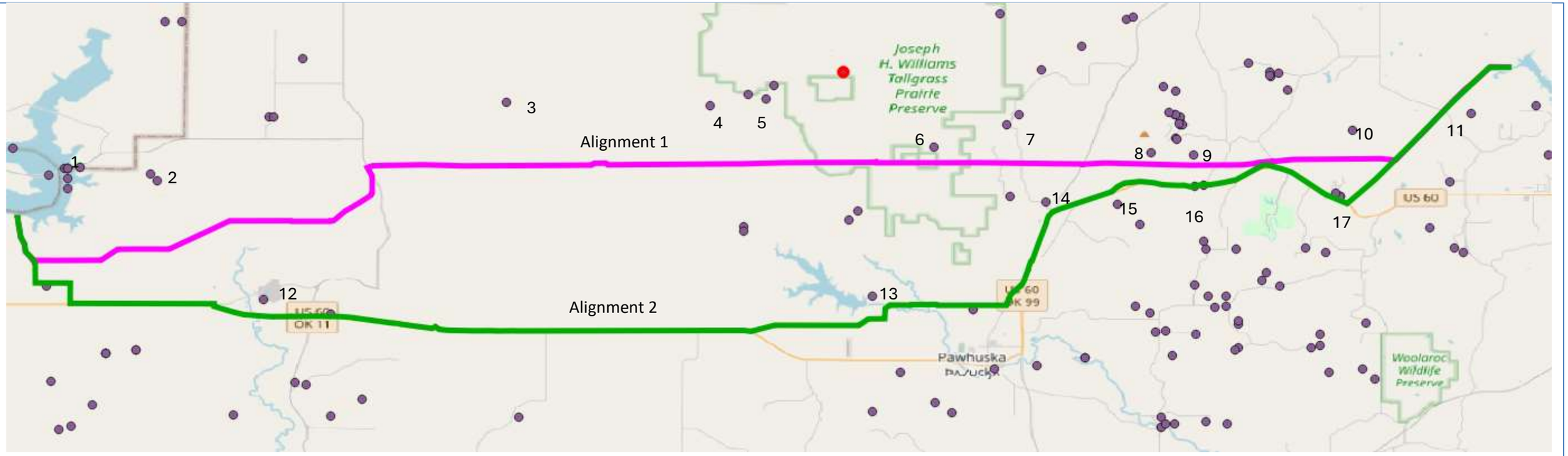
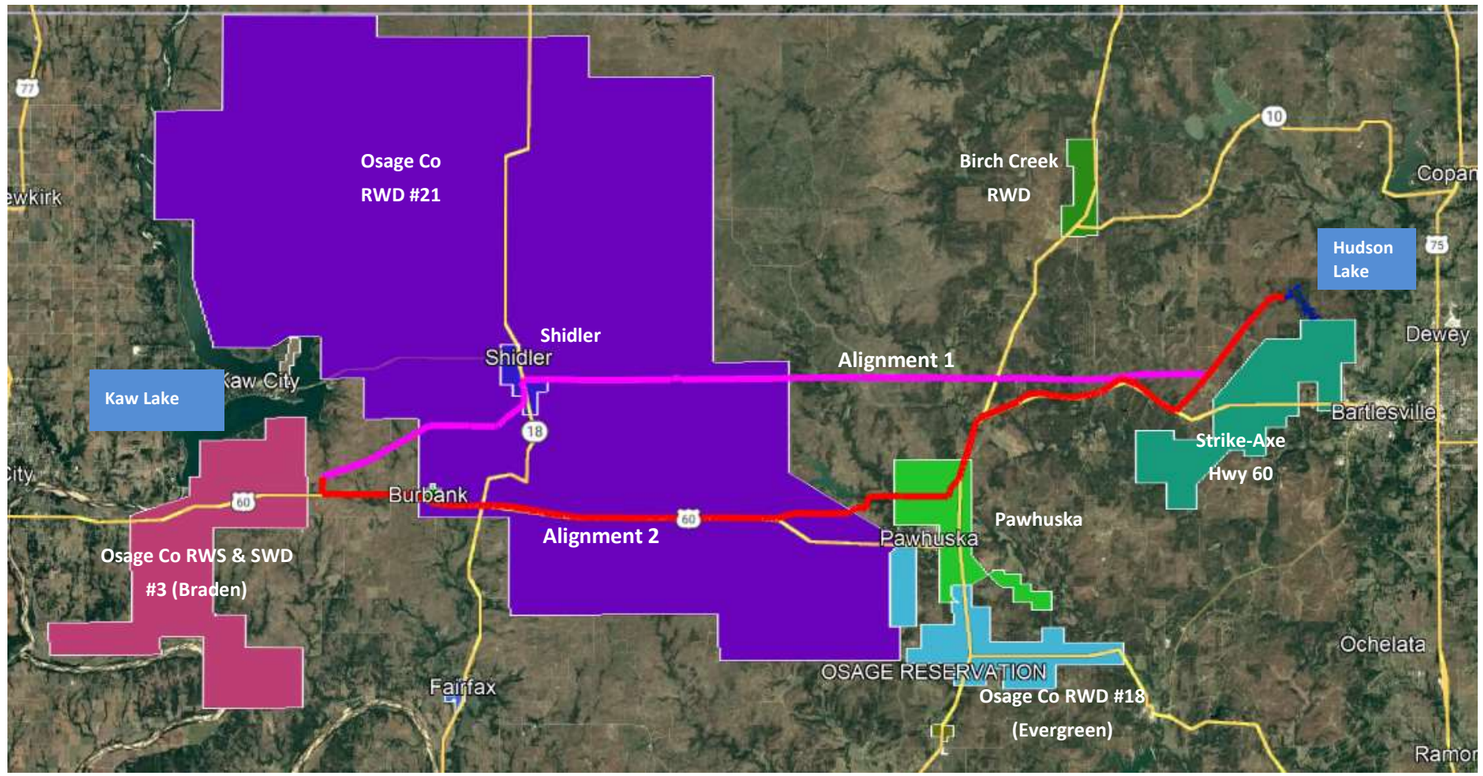


Figure 3-6 Alignments 1 and 2-OWRB Groundwater Wells Data Search



ID	Description	ID	Description
1	GW Well (Year 1952)-Chaparral Energy; Phillips Petroleum	9	GW Well (Year 1987)-John D Free
2	GW Well (Year 2023)- Shae Stierwatt	10	GW Well (Year 1986)-Mrs. Bill Keeler
3	GW Well (Year 2013)- Rhonda Khomle	11	GW Well (Year 1984)-W. Mc. Rogers
4	GW Well (Year 1993)-No Owner Name	12	GW Well (Year 2004)-Reuben Rowe
5	GW Well (Year 1985)- Maarsha Cochran	13	GW Well (Year N/A)-Sooner Land &Cattle
6	GW Well (Year 2015)- Rick Haffer	14	GW Well (Year 2022)-Charlie Chambers
7	GW Well (Year 1991)-No Owner Name	15	GW Well (Year 2001)-Rick & Jo Gevaert
8	GW Well (Year 2010)-Doyle Bishop	16	GW Well (Year 2002)-Pawnee HIS; GW Well -Robin Hausner Housemovers
		17	GW Well (Year 1986)-Jacquelin Smith #2 Well

Figure 3-7 Osage County Rural Water System Along the Alignments



No	Water System Name	Phone	Contact	Email	Population Served	Avg. Demand Est (MGD)*	Source Water
1	OSAGE CO RWD #21	918-433-2225	Jill Gray, Chairperson	rwd21osageco@gmail.com	1575	0.158	LAKE CHARLOTTE
2	SHIDLER	918-793-7171	Jace Gullic	shidlerutilityclerk@yahoo.com	404	0.040	RWD#21
3	OSAGE CO RWS & SWMD #3 (BRADEN)	580-765-2426	Wayne Ray Mitchell, Chairman	bradenrwd3@gmail.com	867	0.087	Ponca City & Pawhuska
4	GRAYHORSE RWD		Todd Kelly, Chairperson	grayhorseruralwater@yahoo.com	100	0.010	Fairfax
5	FAIRFAX	918-642-5211		townoffairfax@windstream.net	1655	0.166	Fairfax Lake & Well 1
6	PAWHUSKA	918-287-3576	Mark Buchanan, Mayor		4060	0.406	Bird Creek/Bluestem Lake/Clear Creek Intake/Pawhuska Lake
7	HOMINY	918-885-2164	DAVIS, ROCKY (City Manager)		3814	0.381	Hominy Lake
8	BARNSDALL	918-847-2980	The Honorable John Kelly, Mayor	barnsdall@valornet.com	1955	0.196	Waxhoma Lake
9	OSAGE CO RWD # 5	918-695-7402	Dottie Gay, Chairperson	osagerwd5@yahoo.com	561	0.056	Barnsdall
10	STRIKE-AXE HWY 60	918-914-1621	David Sanderson, Chairman	rmdoubt@gmail.com	450	0.045	Bartlesville
11	OSAGE CO RWD # 1	918-535-2302	Kaleb Mackey	kmackey@umcco.com	930	0.093	Bartlesville

* Demand estimate assumes DEQ guideline of 100 GPCD

- Major Crossings:
  - Major Highways.
    - State Highway 18, Two-Lane, Asphalt – Cased Bore
    - State Highway 99, Two-Lane, Asphalt – Cased Bore
  - Major Roadways. (Paved or heavily used)
    - Bowring Road (3551), Two-Lane, Asphalt – Cased Bore
    - County Road 3060, Two-Lane, Asphalt – Cased Bore
    - County Road 3060, Two-Lane, Asphalt – Cased Bore *(2nd crossing)*
    - Apperson Road, Two-Lane, Crushed Rock – Open Cut or Cased Bore
    - Denoya Road (4751), Two-Lane, Crushed Rock – Open Cut or Cased Bore
    - Cameron Road, Two-Lane, Crushed Rock – Open Cut or Cased Bore
    - Foraker Road (4551), Two-Lane, Crushed Rock – Open Cut or Cased Bore
      - Minor Surfaced Roads.
    - County Road 4250, Two-Lane, Crushed Rock – Open Cut
    - County Road 4250, Two-Lane, Crushed Rock – Open Cut *(2nd crossing)*
    - County Road 4203, Two-Lane, Crushed Rock – Open Cut
    - County Road 4461, Two-Lane, Crushed Rock – Open Cut
    - County Road 4201, Two-Lane, Crushed Rock – Open Cut
    - County Road 4230, Two-Lane, Crushed Rock – Open Cut
    - County Road 4151, Two-Lane, Crushed Rock – Open Cut
    - County Road 3205, Two-Lane, Crushed Rock – Open Cut
    - County Road 3205, Two-Lane, Crushed Rock – Open Cut *(2nd crossing)*
    - 18 Other Miscellaneous Ranch and Oil Field Roads – Open Cut
  - Drives. None significant.
- Railroads. None

- Products Pipelines.
    - Products Pipeline 1: A products pipeline which runs southwest to northeast near Hudson Lake will be paralleled on the west for 4.4 miles and crossed at Mile 45.3.
    - Products Pipeline 2: It appears that the pipeline will cross a products pipeline just east of Highway 99 at Mile 33.2.
    - Products Pipeline 3: It appears that the pipeline will cross a products pipeline at Mile 38.7 about 1.3 miles east of County Road 3060. The product pipeline appears to run southwest to northeast.
    - Potential Products Pipeline. There may be a products pipeline crossing at Mile 5.05, about 0.75 miles west of Denoya Road but it is uncertain.
    - Products Pipeline 5: It appears that the pipeline will cross another products pipeline at Mile 14.7 about 4 miles east of Highway 18.
    - Oil Field Piping: The proposed line crosses some areas with active oil production. Oil lines may also be crossed but they have not been identified or quantified.
    - *Note: The raw water pipeline which is near to (crosses or parallels) a products pipeline will need to be non-metallic or cathodically protected since the products pipelines are likely protected by induced-current cathodic protection systems, which could rapidly corrode any unprotected metallic parts of the raw water pipeline.*
- High-Voltage Powerlines (Overhead). Overhead high-voltage power lines will be crossed at least at 5 locations, and depending on the final alignment, perhaps more times. This should not be problematic but may require some additional cost for permitting and monitoring by the power company.
- Major Creeks and Waterbodies. Figure 3-5 shows the pipeline alignments crossing waterbodies and potential wetlands. Wetlands identified are based on National Wetland Inventory Map but actual determination will require field survey to delineate potential wetlands and Nationwide 404 permit from the USACE. Creek crossings will require vertical bends and bank protection.
    - Salt Creek
    - Salt Creek *(2nd crossing)*

- Salt Creek *(3rd crossing)*
- Salt Creek Tributary
- Middle Bird Creek
- Middle Bird Creek Tributary
- Bird Creek Tributary
- Bird Creek
- Sand Creek
- Cedar Creek
- Rock Creek
- Buck Creek
- Butler Creek

▪ Minor Creeks and Drainage – Requiring only extra depth

- Minor creeks will be crossed at 7 locations

○ Alignment Accessibility

▪ Mile 0 to Mile 10.9: In this part the pipeline alignment is in open pastureland but runs along the right-of-way (ROW) of existing high-voltage powerlines. The powerline ROW is clear. Public roadways cross the alignment at least every 2 to 3 miles, and much of the time at a much closer spacing. None of the segments are completely cut off by creeks which would limit access. Access would be via the pipeline ROW.

▪ Mile 10.9 to Mile 30.2: This part of the line is also in open pastureland and along the ROW of existing high voltage power lines. Again, the power line ROW is clear. Public roadways cross the alignment but on a less frequent basis. The segment of pipeline immediately west of the Bird Creek crossing has essentially no access for 4.5 miles. This section includes crossings at Middle Bird Creek, Bird Creek, and the tributary of Bird Creek (immediately west of Bird Creek). Access would be via ROW and would require several drainage way crossings for locations that require routine access (paved low-water crossings). There are a few vehicle paths in this area, but they are private and permission for their use would have to be obtained. Access to the Middle Bird Creek crossing would be from the west (near Drummond Lodge). Access to the main Bird Creek crossing would be from the east. An existing public roadway is immediately adjacent to the crossing point. The Bird Creek tributary crossing and points between Middle Bird Creek and its tributary (3.5 miles which would probably include an air

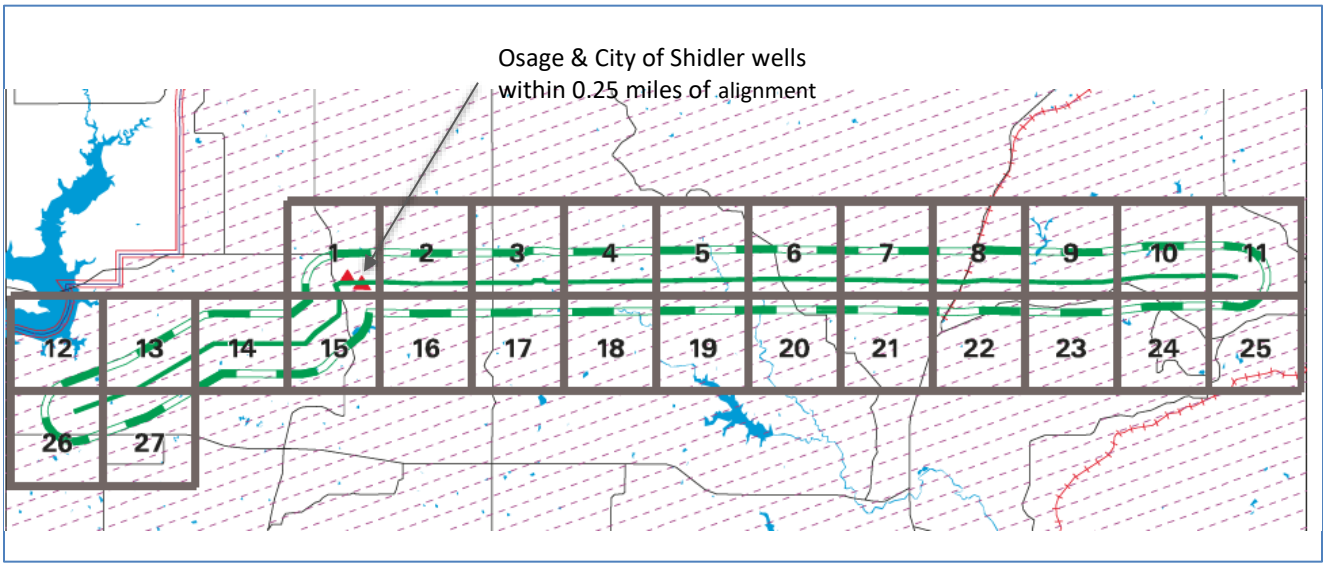
valve) would have to be arranged although there are private ranch roads in this area.

- Mile 30.2 to Mile 35.0: This area is rolling and has many more trees, but the power line ROW is clear. Many more roadways cross the alignment in this area, so the area is fairly accessible. The longest segment without a public roadway crossing is less than 2 miles. Again, some minor drainage crossings would be necessary for routine access.
- Mile 35.0 to Mile 40.9: This segment has public roadway access and significant private roadway access. One reach without access may reach 1 mile but most access points are more closely spaced.
- Mile 40.9 to End: The existing ROW of Products Pipeline 1 appears to be clear, and the ROW is accessible via several private roads for the first 4 miles. The last mile is not accessible, and ROW would need to be used for access.

- Air Relief Valve and Vaults: It is estimated that 53 air release valves (in vaults) would be required.
- Environmental Database Search. A search of available environmental records was conducted using an online service (Environmental Data Resources, Inc (EDR)). The report generated by EDR was designed to assist in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), and the ASTM Standard Practice for Limited Environmental Due Diligence.

  A copy of the EDR Corridor Report is included in Appendix A. This report covers an area approximately 1-mile on either side of the alignment. The report identified two sites within the search area, see Figure 3-8, which are groundwater wells.

Figure 3-8 Alignment 1- Environmental Database Search - Corridor Map

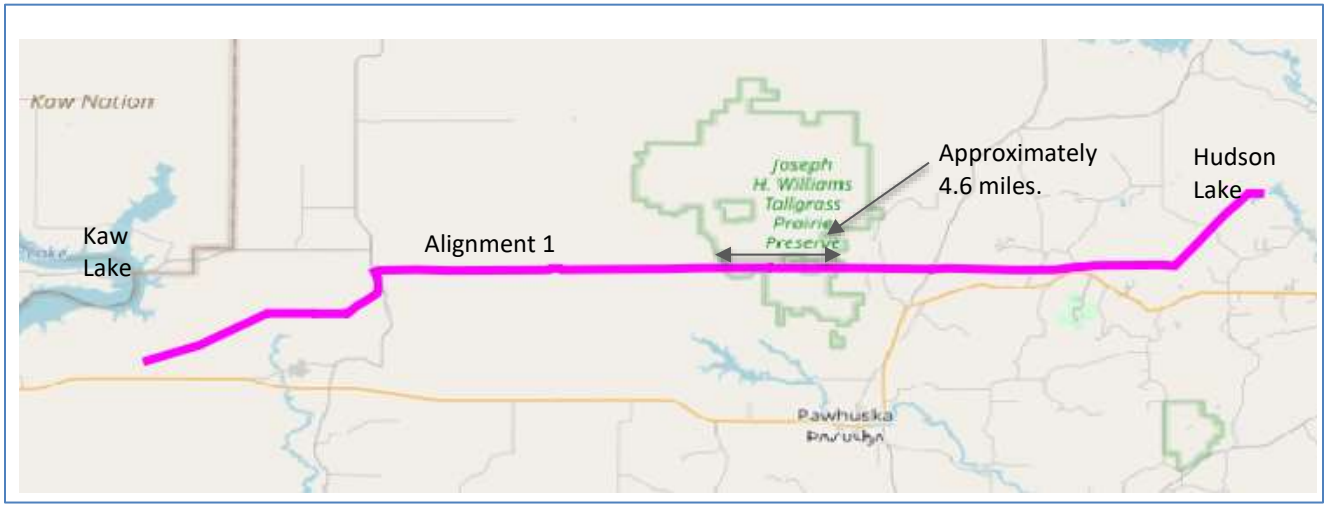


- Osage Nation Considerations: The 1906 Act passed by the Congress provided for the allotment of the Osage Nation's lands to individual Tribal members. Upon statehood in 1907, the Osage Indian Reservation, comprising approximately 1,475,000 acres, became Osage County, Oklahoma. Section 3 of the 1906 Act, as amended, severed the surface estate from the subsurface mineral estate, reserving all oil, gas, coal, and other minerals to the Osage Nation in perpetuity. Accordingly, the United States holds the subsurface mineral estate in Osage County, Oklahoma ("Osage Mineral Estate") in trust for the benefit of the Osage Nation. The 1906 Act authorizes the Osage Nation to lease the Osage Mineral Estate for oil, gas, and other mineral development "with the approval of the Secretary of the Interior, and under such rules and regulations as he may prescribe.

  The entire segment of Alignment 1 is withing the Osage Reservation. Excavation, removal and backfill of pipeline trenches and facilities could be subject to the Osage Mineral rights.

- Tallgrass Prairie. The proposed Alignment 1 crosses the Joseph H. Williams Tallgrass Prairie Reserve managed by the The Nature Conservancy (TNC), see Figure 3-9. S2E contacted TNC and spoke with Mr. Bob Hamilton (Tallgrass Prairie Initiative Director). Mr. Hamilton indicated that there are other pipelines allowed in the past and TNC would work with Bartlesville for the greater good; but Bartlesville must go through their legal office out of Atlanta, GA, for specific requirements.

Figure 3-9 Alignment 1 Crossing Natural reserve



- Right-of-Way Acquisition. A 50-foot permanent pipeline easement plus 50-foot temporary construction easements are recommended.

3.2.2 ALIGNMENT 2

3.2.2.1 GENERAL DESCRIPTION

The POB for Alignment 2 is at the same point as Alignment 1 just west of County Road 4901 approximately 4.5 miles east of the east abutment of the Kaw Lake dam and 0.75 miles north of Highway 60. It then runs south in a field 0.75 miles to Highway 60 where it turns easterly and runs along the north side of the highway approximately 20 miles to a point approximately 6.7 miles west of downtown Pawhuska. There it continues easterly in pasture land for approximately 4 miles where it turns north for about 0.6 miles and crosses Middle Bird Creek downstream of Bluestem Lake. From there it runs easterly for approximately 3.5 miles where it turns north northeasterly along Lynn Road. It parallels Lynn Road for 1.1 miles where it runs along the west and north sides of Highway 60 (and some of Old Highway 60) for 12.3 miles until it reaches the existing Products Pipeline 1 that runs diagonally from the southwest to northeast (the same line noted in Alignment 1). At that point it turns northeast and runs along the north side of the existing pipeline for 6.5 miles where it turns due eat and discharges into Hudson Lake at the Butler Creek tributary. Refer to Figures 3-2, 3-3 and 3-4) for Alignment 2.

3.2.2.2 CONSIDERATIONS FOR ALIGNMENT 2

- Potential Wholesale Customers (see Figure 3-7).
  - City of Shidler. The proposed alignment is 4 miles south of Shidler. This may be too far for a supplemental connection for Shidler, especially for their service population of 400, but it would be possible.

- City of Pawhuska. In 2016, saltwater from oil field activities leaked into Middle Bird Creek. The spill contaminated Bluestem Lake and forced Pawhuska to use an alternate water source for a period. The proposed alignment crosses Middle Bird Creek just downstream of Bluestem Lake and in this area crosses the city's raw water line running from the lake to their water treatment plant. Providing a connection to Pawhuska's raw water line could serve as a secure backup supply for Pawhuska.
- Ranchers. Much of the proposed pipeline crosses large ranches. There might be some potential to supply small amounts of raw water for stock.

- Major Crossings.
  - Major Highways.
    - State Highway 18, Two-Lane, Asphalt – Cased Bore
    - State Highway 99, Two-Lane, Asphalt – Cased Bore
  - Major Roadways. (Paved or heavily used)
    - Apperson Road, Two-Lane, Crushed Rock – Open Cut or Cased Bore
    - South Avenue, Burbank, Two-Lane, Asphalt – Cased Bore
    - 7th Street, Burbank, Two-Lane, Asphalt – Cased Bore
    - Remington Road, Burbank, Two-Lane, Asphalt – Cased Bore
    - County Road 4020, Two-Lane, Asphalt – Cased Bore
    - County Road 4225, Two-Lane, Asphalt – Cased Bore
    - County Road 4205, Two-Lane, Asphalt – Cased Bore
    - Lynn Road, Pawhuska, Two-Lane, Asphalt – Cased Bore
    - County Road 4220, Two-Lane, Asphalt – Cased Bore
    - Unnamed Road, Two-Lane, Asphalt – Cased Bore
    - County Road 4151, Two-Lane, Asphalt – Cased Bore
    - County Road 3060, Two-Lane, Asphalt – Cased Bore
    - County Road 3060, Two-Lane, Asphalt – Cased Bore *(2nd crossing)*
    - County Road 3505, Two-Lane, Asphalt – Cased Bore
    - Bowring Road (3551), Two-Lane, Asphalt – Cased Bore
      - Minor Surfaced Roads.

- County Road 4921, Two-Lane, Crushed Rock – Open Cut
- County Road 4275, Two-Lane, Crushed Rock – Open Cut *(2nd crossing)*
- 42 Other Minor Roads – Open Cut

- Drives. 20 Private Drives

- Railroads. None
- Products Pipelines.
  - Products Pipeline 1: A products pipeline which runs from southwest to northeast near Hudson Lake will be paralleled on the west for 4.4 miles and crossed at Mile 48.8.
  - Products Pipeline 2: It appears that the pipeline will cross a products pipeline at Mile 35.6.
  - Products Pipeline 3: It appears that the pipeline will cross a products pipeline at Mile 40.7 just east of County Road 3060. The product pipeline appears to run southwest to northeast.
  - Products Pipeline 4: It appears that the pipeline will cross another products pipeline at Mile 40.7 just a few feet west of Products Pipeline 3.
  - Products Pipeline 5: It appears that the pipeline will cross another products pipeline at Mile 22.3 about 1.5 miles east of the pipeline's departure from Highway 60.
  - Oil Field Piping: The proposed line crosses some areas with active oil production. Oil lines may also be crossed but they have not been identified or quantified.
  - *The raw water pipeline which is near to (crosses or parallels) a products pipeline will need to be non-metallic or cathodically protected since the products pipelines are likely protected by induced-current cathodic protection systems, which could rapidly corrode any unprotected metallic parts of the raw water pipeline.*
- High-Voltage Powerlines (Overhead). Overhead high-voltage power lines will be crossed at least at 2 locations, and depending on the final alignment, perhaps more times. This should not be problematic but may require some additional cost for permitting and monitoring by the power company.
- Major Creeks. Figure 3-5 shows the pipeline alignments crossing waterbodies and potential wetlands. Wetlands identified are based on National Wetland

Inventory Map but actual determination will require field survey to delineate potential wetlands and Nationwide 404 permit from the USACE. Creek crossings will require vertical bends and bank protection.

- Salt Creek
- Little Chief Creek
- Baconrind Creek
- Baconrind Creek Tributary
- Middle Bird Creek
- Bird Creek
- Mud Creek
- Soldier Creek
- Unnamed Creek
- Sand Creek
- Cedar Creek
- Rock Creek
- Rock Creek Tributary
- Bush Creek
- Butler Creek

▪ Minor Creeks and Drainage – Requiring only extra depth

- Minor creeks will be crossed at 37 locations

○ Alignment Accessibility

▪ Mile 0 to Mile 0.7: This segment will be in a field that abuts Highway 60.

▪ Mile 0.7 to Mile 20.2: In this part the pipeline alignment generally runs along the north ROW of Highway 60.

▪ Mile 20.2 to Mile 24.5: This segment runs across open fields. Access is good via several public and private roads.

▪ Mile 24.5 to Mile 25.0: This short segment of pipeline runs along the south side of County Road 4275.

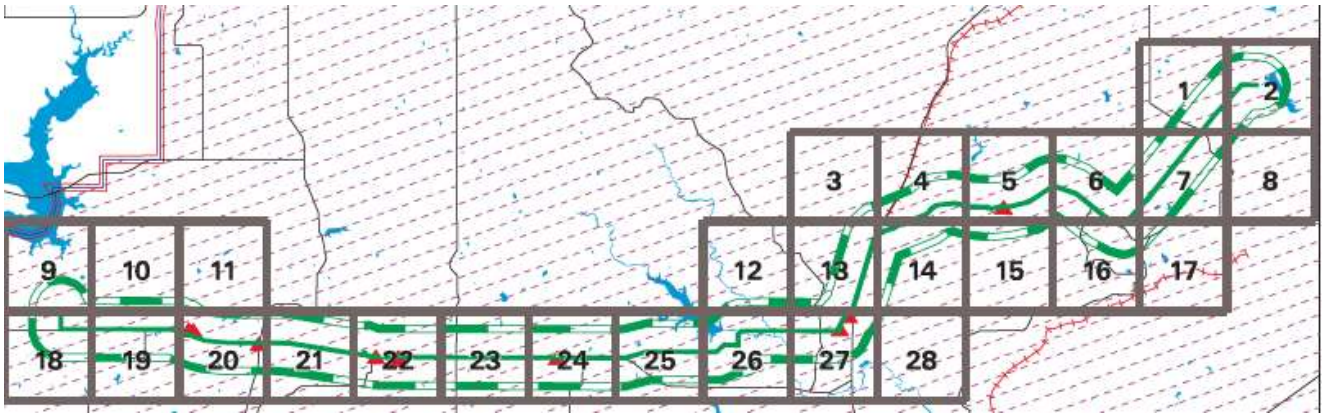
▪ Mile 25.0 to Mile 27.0: This segment runs through open fields and one wooded area. It is accessible from County Road 4275 from the south and County Road 4070 from the east. One private road crosses the pipeline between the two.

- Mile 27.0 to Mile 29.0: This segment runs along the south side of County Road 4070 for its full length.
- Mile 29.0 to Mile 30.0: This segment runs along either side of Lynn Road for its full length.
- Mile 30.0 to Mile 42.3: The pipeline in this area runs along Highway 60 or parts of Old Highway 60 on the west and/or north sides.
- Mile 42.3 to End: This segment runs along the west side of Products Pipeline 1 ROW for 7 miles. The existing ROW of Products Pipeline 1 appears to be clear, and the ROW is accessible via several private roads for the first 6 miles. The last mile is not well accessible, and ROW would need to be used for access.

- Air Relief Valve and Vaults: It is estimated that 65 air release valves (in vaults) would be required.
- Environmental Database Search: A search of available environmental records was conducted using an online service (Environmental Data Resources, Inc (EDR)). The report generated by EDR was designed to assist in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), and the ASTM Standard Practice for Limited Environmental Due Diligence.

  A copy of the EDR Corridor Report is included in Appendix A. This report covers an area approximately 1-mile on wither side of Alignment 1. The report identified sixteen sites along the alignment and they include underground storage tanks (UST), above ground tanks (AST) and individual oil tanks, see Figure 3-10.

Figure 3-10 Alignment 2- Environmental Database Search - Corridor Map



MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / **********	OSAGE RESERVATION		INDIAN RESERV	TP
1 / 27	OS2071 - WELL NO. 1S	SE/4, SEC. 27, T26N,	ICIS, FINDS	TP
A2 / 22		SEE LAT & LONG	ERNS	TP
A3 / 22			COMPLAINT	TP
4 / 22		SEE LAT/LONG	ERNS	TP
B5 / 24	BURBANK STORE	20501 E HWY 60	UST FINDER	76 0.014 South
B6 / 24	BURBANK STORE	20501 E HWY 60	AST	76 0.014 South
B7 / 24	BURBANK STORE	20501 E HWY 60	UST, HIST UST	76 0.014 South
B8 / 24	BURBANK GENERAL	20501 E HIGHWAY 60	EDR Hist Auto	76 0.014 South
9 / 5	MIDWAY STORE	13091 HWY 60	UST	185 0.035 South
C10 / 20	AMERICAN TEL & TEL C	HWY 60 7M E H18	RCRA NonGen / NLR	274 0.052 South
11 / 22	DON GALLOWAY	RED EAGLE RT, 14 MI	TANKS	312 0.059 South
12 / 27	GEORGE W BRANUM GIBB	RED EAGLE RT 1/4 MI	TANKS	342 0.065 SE
C13 / 20	JOHN COBLE PHILLIPS	4 MI E HWY 60	TANKS	357 0.068 South
D14 / 20	LIEBER'S TEXACO	ADDRESS UNKNOWN	UST, HIST UST	902 0.171 NNE
D15 / 20	HISTORICAL FACILITY	HWY 60 WEST (N SIDE	TANKS	979 0.185 NNE
D16 / 20	HAROLD MCGOWEN PHILL	HWY 60 W IN TOWN	TANKS	1034 0.196 NNE
17 / 20	BURBANK MATERIALS LL	OLD HWY 60 / CR 4030	US MINES	1189 0.225 NNE

- Osage Nation Considerations: Alignment 2 is also in Osage Reservation and the Osage Mineral rights discussed under Alignment 1 apply here as well.
- Right-of-Way Acquisition: A 50-foot permanent pipeline easement plus 50-foot temporary construction easements are recommended.

3.2.3 PIPELINE SPURS

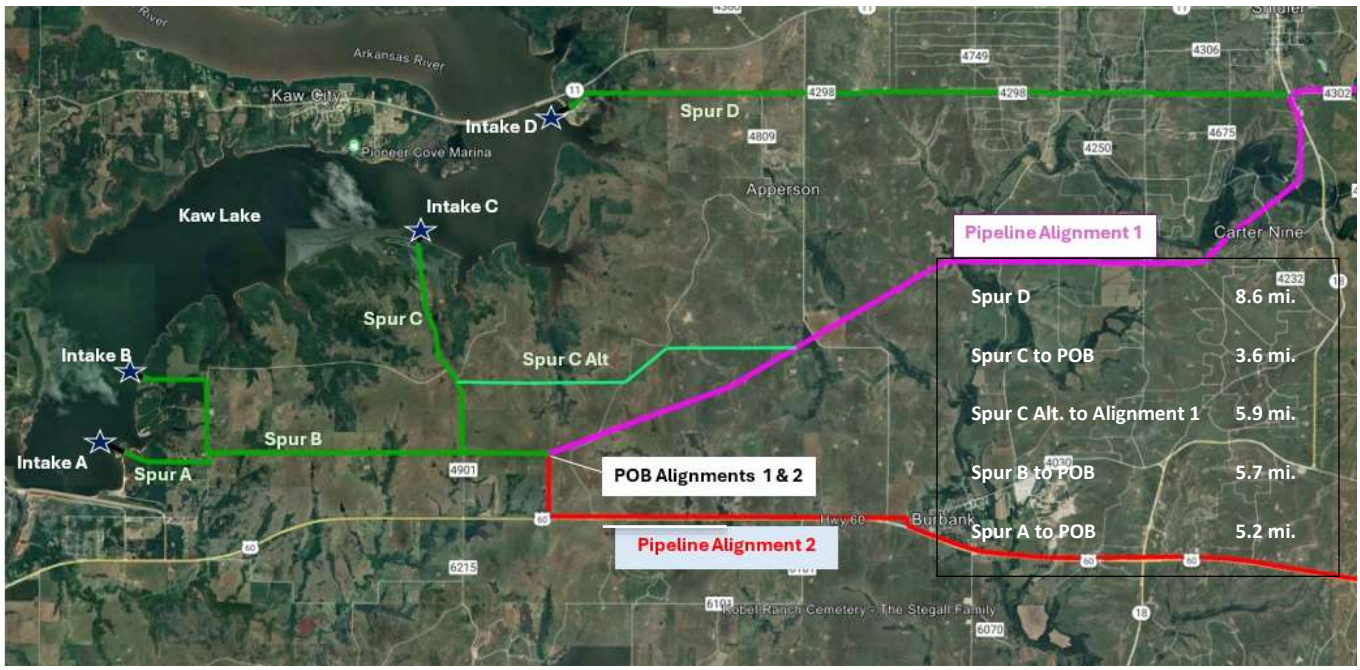
The "spurs" constitute pipelines from the potential intake locations A, B, C and D to the alignments as shown on Figure 3-11.

- Spur A is from Intake Location A to the Alignment POB and is approximately 5.2 miles.
- Spur B is from Intake Location B to the alignment POB and is approximately 5.7 miles.
- Spur C is from Intake Location C to the alignment POB and is approximately 5.9 miles (it connects to Alignment 1 further downstream of POB).
- Spur D is from Intake Location D to Alignment 1 connecting near Highway 18.

As discussed earlier, from water quality and accessibility criteria, Intake Location C is most appropriate compared to the other three locations.

- From Intake Location C to Alignment 1, the total length of pipeline to Hudson Lake is approximately 48.7 miles.
- From Intake Location C to Alignment 2, the total length of pipeline to Hudson Lake is approximately 52.9 miles.

Figure 3-11 Alignment Spurs to Intake Locations



3.3 PIPELINE HYDRAULICS

Conveyance of raw water from Kaw Lake to Hudson Lake will require an intake pump station, pipeline of appropriate size and design which are discussed in this section.

3.3.1 PIPE SIZE SELECTION

The study objective is to provide a design flow of 14 million gallons per day (MGD) with options for 18 MGD and 22 MGD. For a given flow rate, the pipe size determines the flow velocity which in turn determines the frictional head loss and transient surge pressures. For this conceptual analysis, pipe velocity of 5 feet per second (fps) and up to 7 fps are assumed. With this assumption, a minimum pipe diameter of 24-inch is necessary as shown on the "Pipe Velocity" table to accommodate 14 MGD but a minimum 30-inch will be necessary to provide 18- and 22-MGD capacity. However, to maintain the intake pump station operating pressures below 200 psi, preliminary hydraulic calculation indicates a minimum pipe size of 36-inch. Therefore, minimum 36-inch pipe diameter is assumed in the pipe hydraulics discussed below.

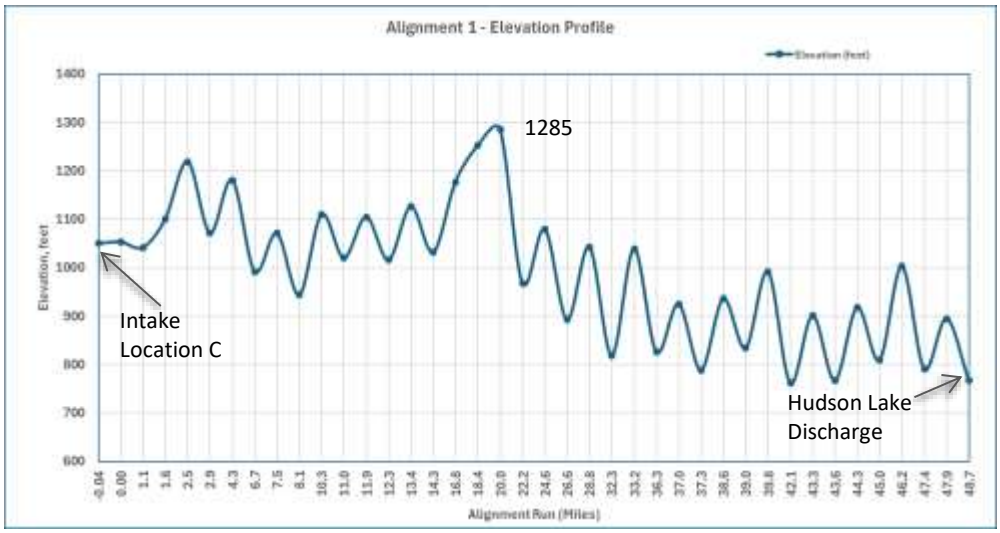
PIPE VELOCITY (FPS)							
Dia (ID)	Area	MGD	5	10	14	18	22
Inches	ft^2	CFS	7.74	15.47	21.66	27.85	34.04
20	2.18		3.5	7.1	9.9	12.8	15.6
24	3.14		2.5	4.9	6.9	8.9	10.8
30	4.91		1.6	3.2	4.4	5.7	6.9
36	7.07		1.1	2.2	3.1	3.9	4.8
42	9.6211		0.8	1.6	2.3	2.9	3.5

3.3.2 PIPE MATERIAL

For raw water transmission pipelines steel, ductile iron and concrete pipe materials are typically used. PVC or high density polyethylene pipe materials are also used in some instances but in large sizes (greater than 24"), the pressure ratings and wall thickness considerations make them less desirable. The alignment route is known to have petroleum pipeline crossings and from corrosion considerations steel bar-wrapped concrete pipe material is preferred and is assumed in the analysis. Based on discussion with pipe manufacturers, bar-wrapped concrete pipe is also readily available and economical compared to steel and ductile iron for the pipe sizes discussed here. Therefore, bar wrapped concrete pipe is assumed for use.

3.3.3 ALIGNMENT 1 HYDRAULICS

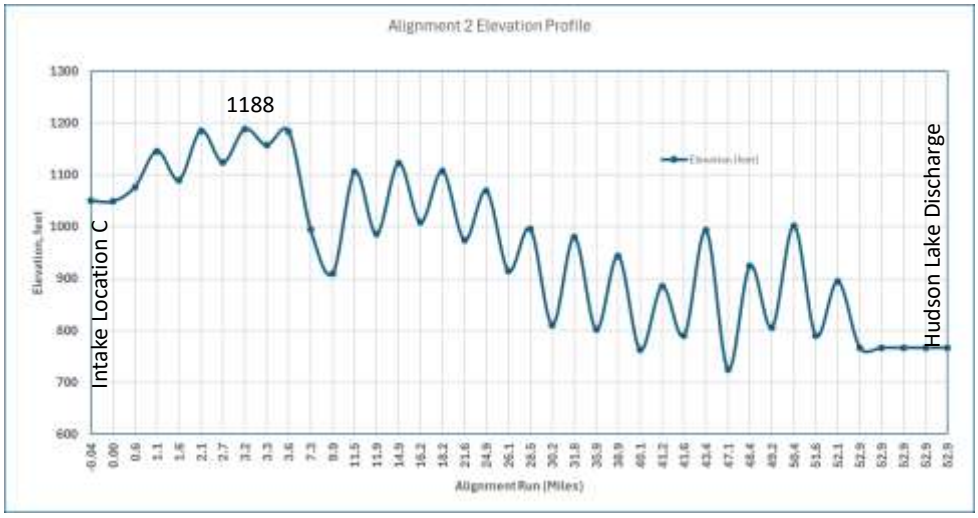
Intake Location C is assumed for hydraulic analysis. As shown on the alignment elevation profile to the right, the alignment ground profile reaches a high point of 1285' near Mile 20.0 (Drummond Lodge), and from there it is downhill to the Hudson Lake discharge. There is enough fall for a gravity flow once the flow is pumped to this high point. Therefore, for Alignment 1 an intermediate breakout storage tank is assumed near Mile 20.0. Assuming a maximum pipe pressure of 200 psi and pipe friction c-factor of 130, preliminary hydraulic calculations provided the following:



Flow	Maximum Pump Station Pressure	Intake Pump Station Size	Breakout Tank (1-hour Storage)	Pipe Size from Intake to Breakout Tank (Mile 20.0)	Pipe Size from Breakout Tank to Lake Hudson
14 MGD	161 psi	1400 HP; 3-500 HP Pumps	0.6 MG	36" (105,600-feet)	36" (151,536-feet)
18 MGD	186 psi	2100 HP; 3-700 HP Pumps	0.75 MG	36" (105,600-feet)	36" (151,536-feet)
22 MGD	165 psi *	2200 HP; 3-800 HP Pumps	1.0 MG	42" * (105,600-feet)	36" (151,536-feet)
Note: * With 36" the pump station pressure will be 245 psi, above the 200 psi criteria.					

Therefore, 36-inch pipe size is adequate for flow up to 18 MGD but a 42-inch pipe is recommended for the 22 MGD flow option.

3.3.4 ALIGNMENT 2 HYDRAULICS



Intake Location C is assumed for hydraulic analysis. As shown on the alignment elevation profile to the right, the alignment ground profile reaches a high point of 1188' near Mile 3.2, and from there it is downhill to the Hudson Lake discharge. However, there is not enough fall from this location for gravity flow to Hudson Lake. Unlike Alignment 1, for Alignment 2, the flow will be pumped pressure flow entire length. A breakout tank is not necessary in this instance. However, for mitigating potential transient pressure surges, a series of three one-way tanks is conceptually estimated. The tanks will be approximately 0.25 MG capacity located at mile mark 3.2, 14.9, and 43.4.

Assuming a maximum pipe pressure of 200 psi and pipe friction c-factor of 130, preliminary hydraulic calculations provided the following:

Flow	Maximum Pump Station Pressure	Intake Pump Station Size	One-Way Tank	Pipe Size from Intake to Mile-26.1	Pipe Size from Mile 26.1 to Lake Hudson
14 MGD	104 psi	1000 HP; 3-400 HP Pumps	3- 0.25 MG	36" (137,808-feet)	36" (141,504-feet)
18 MGD	168 psi	2000 HP; 3-700 HP Pumps	3- 0.25 MG	36" (137,808-feet)	36" (141,504-feet)
22 MGD	173 psi *	2300 HP; 3-800 HP Pumps	3- 0.25 MG	42" * (137,808-feet)	36" (141,504-feet)
Note: * With 36" the pump station pressure will be 216 psi, above the 200 psi criteria.					

Therefore, 36-inch pipe size is adequate for flow up to 18 MGD but a 42-inch pipe is recommended for the 22 MGD flow option.

3.3.5 OTHER HYDRAULICS CONSIDERATIONS

Transient and hydraulic surge analysis are critical parts of the detailed design of any transmission mains and should be performed as part of the detailed design phase once the alignment is finalized. For this conceptual analysis, air release valves, air/vacuum valves and variable frequency drives are assumed for mitigating the surge pressure for both alignments. For Alignment 2, a series of three one-way tanks is assumed as a conceptual level basis.

3.3.6 PERMITS

3.3.6.1 SECTION 404 PERMIT

Both pipeline alignments cross waterbodies and streams which are identified as potential wetlands on the national wetland maps. This will require a wetland delineation survey for each alignment to determine if such crossings are subject to wetland permits under Section 404 permit administered by the USAC. Section 404 permits for underground pipelines are somewhat simpler and covered under the Section 404 Nationwide General Permit program.

3.3.6.2 SECTION 401 WATER QUALITY CERTIFICATION

Section 401 Water Quality certification by the state will be required. Under Section 401 of the Clean Water Act (CWA), a federal agency may not issue a permit or license to conduct any activity that may result in any discharge into waters of the United States unless a Section 401 water quality certification is issued, or certification is waived. For pipeline crossing, state water quality certifications are typically covered within the general permit unless any specific crossing requires an individual permit.

3.3.6.3 OSAGE MINERAL COUNCIL

The Osage Nation Constitution vests the Osage Minerals Council with the powers to administer and develop the Osage Mineral Estate in accordance with the Act of June 28, 1906, 34 Stat. 539, as amended. Construction of the pipeline across the Osage Nation land will require coordination and approval from the Osage Mineral Council.

3.3.6.4 ODEQ PERMIT TO CONSTRUCT

The pipeline construction will require a permit to construct from Oklahoma Department of Environmental Quality (ODEQ).

4.0 CONCEPTUAL LEVEL COST ESTIMATE

In this section the conceptual level probable project cost is presented for the various infrastructure elements required for the Kaw Water supply.

4.1 KAW LAKE STORAGE FEE

Based on information obtained from the USACE, the current cost of the available water supply storage at Kaw Lake is $46,163,683 for 46,186 acre-feet of storage, or approximately $999.52 per acre-foot. As of July 17, 2024, the USACE provided the following for storage fee. These are estimates at this point in time, and accrued interest continues to rise so these are not fixed prices but will vary in the future.

- For 14 MGD, 15,638 acre-feet, Storage Fee =$16,009,089*
- For 18 MGD, 20,164 acre-feet, Storage Fee =$20,642,491*
- For 22 MGD, 24,644 acre-feet, Storage Fee =$25,228,802*

*Plus, annual maintenance cost share as determined by USACE

4.2 OWRB WATER USE PERMIT FEE (WATER RIGHTS)

As the state's designated water management agency, the OWRB appropriates stream water through water use permitting. Permits must be obtained from the OWRB for all uses of water in Oklahoma except domestic use. Fees vary by type of permit and amount of water requested. Long-term applications and some groundwater permit amendments use a sliding scale based upon the amount of water being requested to determine the fee.

4.3 OSAGE MINERAL COUNCIL

Osage Mineral Council has not yet been contacted. However, subsurface mineral rights within the Osage County are authorized through the Osage Mineral Council. Activities related to ground surface disturbance for the pipeline construction will fall under the review and approval from the Osage Mineral Council.

4.4 KAW LAKE INTAKE AND PUMP STATION

As discussed in Section 2, of the four locations- Location A, B, C and D- Location C offers the most desirable conditions from lake water quality and accessibility. Location C is assumed for the conceptual cost estimate. The estimated conceptual cost for the three intake types discussed in Section 2 is presented in Table 4-1.

As discussed in Section 2, Submerged Intake with Onshore Pump Station (Type 1) offers the lowest cost and is also the most common type of intake recently approved by the USACE in other locations in Oklahoma. Therefore, this type is assumed for the conceptual cost development for the pipeline alignments discussed below.

Table 4-1 Intake Conceptual Cost Estimate (Intake Location C)

	Location C- Intake Types (22 MGD)		
	Submerged Intake Screen with Onshore Pump Station (Type 1)	**Free Standing Intake with Onshore Pump Station (Type 2)**	**Free Standing Intake Combined with Pump Station (Type 3)**
Submerged Screen Intake	$6,480,000	N/A	N/A
Intake Tower & Piping	N/A	$9,458,000	$12,499,000
Tunnel Intake Pipe	$3,376,000	$3,088,000	N/A
Access Bridge	N/A	N/A	$6,016,000
Onshore Pump Station	$34,708,000	$39,088,000	N/A
Offshore Pump Station	N/A	N/A	$29,720,000
Other Costs [2]	$7,340,000	$8,401,000	$7,891,000
Total Estimate of Probable Cost [1]	$51,904,000	$60,035,000	$56,126,000

Notes: [1] Includes 35% Contingency, 2024 Cost Assumptions
[2] Other costs include engineering design, survey, environmental and permitting.

For the Submerged Intake Screen with Offshore Pump Station, located at Location C, Table 4-2 summarizes the conceptual cost estimate for 14 MGD, 18 MGD and 22 MGD capacity goals.

Table 4-2 Intake Pump Station Conceptual Cost Estimate (14 MGD, 18 MGD and 22 MGD)

	Submerged Intake Screens with Onshore Pump Station (Intake Location C)		
	14 MGD	**18 MGD**	**22 MGD**
Submerged Screen Intake	$6,320,000	$6,400,000	$6,480,000
Tunnel Intake Pipe	$3,179,000	$3,179,000	$3,376,000
Onshore Pump Station	$30,364,000	$32,524,000	$34,708,000
Other Costs [2]	$6,635,000	$6,971,000	$7,340,000
Total Estimate of Probable Cost [1]	$46,498,000	$49,074,000	$51,904,000

Notes: [1] Includes 35% Contingency, 2024 Cost Assumptions
[2] Other Costs include engineering/survey/permits

4.5 PIPELINE CONVEYANCE

The conceptual cost estimate for the two alignments to convey the 14 MGD, 18 MGD and 22 MGD flow is summarized in Table 4-3. The costs for 14 MGD and 18 MGD are essentially the same since the same diameter pipe is needed for both options.

Table 4-3 Pipeline Conveyance Conceptual Cost Estimate

	Alignment 1		Alignment 2	
	48.7 Miles		52.9 Miles	
	14 MGD or 18 MGD	22 MGD	14 MGD or 18 MGD	22 MGD
Pipeline	$162,346,000	$173,692,700	$179,206,350	$193,935,000
Breakout or One Way Tank [1]	$3,656,300	$4,687,500	$4,743,750	$4,743,750
Other Costs:				
Environmental	$622,300	$622,300	$663,000	$663,000
Survey	$345,600	$345,600	$426,000	$426,000
Easements	$2,656,300	$2,656,300	$2,885,400	$2,885,400
Engineering	$19,920,200	$21,405,600	$22,074,000	$23,841,400
Permits	$480,000	$480,000	$500,000	$500,000
Total Estimate of Probable Cost [1]	$190,027,000	$203,890,000	$210,499,000	$226,995,000

Note: [1] Includes 30% Contingency, 2024 Cost Assumptions

[2] Other Costs include engineering/survey/permits

4.6 TOTAL CONCEPTUAL COST ESTIMATE

Table 4-4 summarizes the total cost.

Table 4-4 Total Conceptual Cost Estimate

	Alignment 1 (Intake Location C) 48.7 Miles			Alignment 2 (Intake Location C) 52.9 Miles		
	14 MGD	**18 MGD**	**22 MGD**	**14 MGD**	**18 MGD**	**22 MGD**
Kaw Water Storage Fee (USACE)*	$16,009,089	$20,642,491	$25,228,802	$16,009,089	$20,642,491	$25,228,802
Submerged Intake Screen & Shore PS	$46,498,000	$49,074,000	$51,904,000	$46,498,000	$49,074,000	$51,904,000
Pipeline Conveyance	$190,027,000	$190,027,000	$203,890,000	$210,499,000	$210,499,000	$226,995,000
Other Costs						
Osage Mineral Council	TBD	TBD	TBD	TBD	TBD	TBD
OWRB Water Rights	TBD	TBD	TBD	TBD	TBD	TBD
Total Estimate of Probable Cost [1]	$252,534,089	$259,743,491	$281,022,802	$273,006,089	$280,215,491	$304,127,802

Note: * Plus, annual maintenance cost share as determined by USACE

4.7 OPERATION AND MAINTENANCE COST CONSIDERATIONS

Conveyance of Kaw water to Bartlesville will require annual operations and maintenance (O&M) costs associated with the pipeline and the intake pump stations, and those costs are summarized in this section.

4.7.1 PIPELINE O&M COSTS

Annual O&M costs associated with the pipeline include periodic reconnaissance survey of the pipeline alignment, monitoring and managing cathodic protection facilities, valve exercising and maintenance activities related to normal wear and tear of the air releasing valves and facilities. The annual O&M costs will be the same, irrespective of whether the Kaw Lake conveyance system is in operation or not.

4.7.2 INTAKE PUMP STATION O&M COSTS

Annual O&M costs related to the intake and the pump station include system monitoring, control, maintenance and the electrical energy cost for water pumping. The electrical cost will vary depending on the seasonal electric utility rate structure and the amount of water pumped.

Osage County is served by PSO as well as local electric co-ops municipal electric utilities. PSO is the major electric utility in the county and is assumed as the utility for cost estimation. Currently, Bartlesville's Hulah pump station is served by PSO, the average electric rate for summer and winter usage from the Hulah pump station was used in the O&M cost estimates. It is noted that PSO offers different rate structures (such as Municipal Pumping rate, Transmission rate, P-Substation rate and Primary System rate), the use of Hulah rate is somewhat conservative for the analysis.

Electric usage will vary depending on whether the station is in operation or in a standby mode. In the standby model, the electrical usage is limited to periodic pump exercise and nominal building electric usage only.

4.7.3 WATER TREATMENT PLANT O&M COSTS

As discussed in Section 1, Kaw water quality is comparable to Bartlesville's existing water supply and therefore, additional O&M costs associated with using Kaw water is assumed non-significant and is not included here.

4.7.4 O&M COSTS SUMMARY

Tabel 4-6 summarizes the O&M costs associated with the pipeline and the intake pump stations for both Alignment 1 and 2.

Table 4-5 Annual O&M Costs Summar

	ANNUAL OPERATION AND MAINTENANCE (O&M) COST SUMMARY					
	Alignment 1 (Intake Location C)			Alignment 2 (Intake Location C)		
	48.7 Miles			52.9 Miles		
	14 MGD	18 MGD	22 MGD	14 MGD	18 MGD	22 MGD
KAW SUPPLY (IN-SERVICE) [a]						
Pipeline and Breakout/One-way Tank(s)	$43,000	$43,000	$43,000	$50,300	$50,300	$50,300
Intake and Pump Station	$1,362,900	$2,041,200	$2,137,400	$975,600	$1,943,800	$2,234,900
Total (System In-Service)	$1,405,900	$2,084,200	$2,180,400	$1,025,900	$1,994,100	$2,285,200
KAW SUPPLY (NOT IN SERVICE) [b]						
Pipeline and Breakout/One-way Tank(s)	$43,000	$43,000	$43,000	$50,300	$50,300	$50,300
Intake and Pump Station	$19,300	$25,700	$28,900	$16,200	$25,700	$28,900
Total (System Not In Service)	$62,300	$68,700	$71,900	$66,500	$76,000	$79,200

Notes: [a] In-Service operation assumes 24x7 operation at the flow rate shown. [b] When "Not-in-Service" pumps are assumed one day/month operation.

-End of Report-

APPENDIX A

(Conceptual Cost Estimates)

ESTIMATED PIPELINE COST- ALIGNMENT 1 - 42" & 36" - LOCATION C)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	ESTIMATED COST	TOTAL
1	**PIPELINE**				**$113,767,600**
	Pipeline Diameter-42"	105600	LF	$49,632,000	
	Pipeline Diameter-36"	151536	LF	$60,614,400	
	Pipeline Valves-42"	5	EA	$487,500	
	Pipeline Valves-36"	5	EA	$315,000	
	Fittings- Restrained Joint	23	EA	$920,000	
	ARVs (MH & Valve & Signage)	53	EA	$1,192,500	
	Pipeline Passive Anodes	240	EA	$120,000	
	Material Testing	1	LS	$50,000	
	Pipeline Testing Allowance	15	EA	$75,000	
	ROW Clearing & Grubbing	105,600	LF	$211,200	
	Fence Remove & Replace	100	EA	$150,000	
2	**CROSSINGS**				**$2,027,500**
	Major Highways	2	EA	$600,000	
	Major Roads(Bored)	4	EA	$450,000	
	Minor Roads	12	EA	$300,000	
	Other Road Crossings (Minor)	18	EA	$45,000	
	Major Creek	13	EA	$487,500	
	Minor Creek	7	EA	$70,000	
	Product Pipeline Crossings	5	EA	$75,000	
3	**BREAKOUT TANK-SURGE PROTECTION**				**$3,125,000**
	Break Tank (included with Intake)	1	MG	$2,750,000	
	Site Work Allowance	1	LS	$100,000	
	Site Fence	1000	LF	$75,000	
	Electrical/SCADA	1	LS	$200,000	
				SUBTOTAL	**$118,920,100**
3	**CONTRACTOR Mobilization/Insurance/OH&P**	20%		$23,784,000	
	CONTINGENCY	30%		$35,676,000	
				TOTAL ESTIMATED CONSTRUCTION COST	**$178,380,100**
6	**OTHER COSTS**				
	Environmental				**$622,300**
	Wetland Delineation Study	295	Acres	$177,100	
	Cultural Resources Study	295	Acres	$295,200	
	NEPA/EA Document	1	LS	$150,000	
	Survey				**$345,600**
	Legal Survey	73	Parcel	$109,500	
	Topo/Design Survey	590	Acres	$236,100	
	Easements				**$2,656,300**
	Permanent Easement-50' wide	295	Acres	$2,213,600	
	Temporary Easement-50' wide	295	Acres	$442,700	
	Engineering: Pre-design/Design/Bidding/CA/RPR				**$21,405,600**
	Predesign/Detailed Design/Bidding	6.0%		$10,702,800	
	CA/RPR	6.0%		$10,702,800	
	Permits				**$480,000**
	USACE 404/NEPA		Allowance	$460,000	
	PERMITS (DEQ)			$20,000	
TOTAL ESTIMATED PROJECT COST- JULY 2024					**$203,890,000**

ESTIMATED PIPELINE COST- ALIGNMENT 1 - 36" & 36" - LOCATION C)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	ESTIMATED COST	TOTAL
1	**PIPELINE**				**$106,203,100**
	Pipeline Diameter-36"	105600	LF	$42,240,000	
	Pipeline Diameter-36"	151536	LF	$60,614,400	
	Pipeline Valves-36"	5	EA	$315,000	
	Pipeline Valves-36"	5	EA	$315,000	
	Fittings- Restrained Joint	23	EA	$920,000	
	ARVs (MH & Valve & Signage)	53	EA	$1,192,500	
	Pipeline Passive Anodes	240	EA	$120,000	
	Material Testing	1	LS	$50,000	
	Pipeline Testing Allowance	15	EA	$75,000	
	ROW Clearing & Grubbing	105,600	LF	$211,200	
	Fence Remove & Replace	100	EA	$150,000	
2	**CROSSINGS**				**$2,027,500**
	Major Highways	2	EA	$600,000	
	Major Roads(Bored)	4	EA	$450,000	
	Minor Roads	12	EA	$300,000	
	Other Road Crossings (Minor)	18	EA	$45,000	
	Major Creek	13	EA	$487,500	
	Minor Creek	7	EA	$70,000	
	Product Pipeline Crossings	5	EA	$75,000	
3	**BREAKOUT TANK-SURGE PROTECTION**				**$2,437,500**
	Break Tank (included with Intake)	0.75	MG	$2,062,500	
	Site Work Allowance	1	LS	$100,000	
	Site Fence	1000	LF	$75,000	
	Electrical/SCADA	1	LS	$200,000	
				SUBTOTAL	**$110,668,100**
3	**CONTRACTOR Mobilization/Insurance/OH&P**	20%		$22,133,600	
	CONTINGENCY	30%		$33,200,400	
				TOTAL ESTIMATED CONSTRUCTION COST	**$166,002,100**
6	**OTHER COSTS**				
	Environmental				**$622,300**
	Wetland Delineation Study	295	Acres	$177,100	
	Cultural Resources Study	295	Acres	$295,200	
	NEPA/EA Document	1	LS	$150,000	
	Survey				**$345,600**
	Legal Survey	73	Parcel	$109,500	
	Topo/Design Survey	590	Acres	$236,100	
	Easements				**$2,656,300**
	Permanent Easement-50' wide	295	Acres	$2,213,600	
	Temporary Easement-50' wide	295	Acres	$442,700	
	Engineering: Pre-design/Design/Bidding/CA/RPR				**$19,920,200**
	Predesign/Detailed Design/Bidding	6.0%		$9,960,100	
	CA/RPR	6.0%		$9,960,100	
	Permits				**$480,000**
	USACE 404/NEPA		Allowance	$460,000	
	PERMITS (DEQ)			$20,000	
TOTAL ESTIMATED PROJECT COST- JULY 2024					**$190,027,000**

ESTIMATED PIPELINE COST- ALIGNMENT 2 - 42" & 36" - LOCATION C)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	ESTIMATED COST	TOTAL
1	**PIPELINE**				**$125,815,000**
	Pipeline Diameter-42"	137808	LF	$64,769,800	
	Pipeline Diameter-36"	141504	LF	$56,601,600	
	Pipeline Valves-42"	5	EA	$487,500	
	Pipeline Valves-36"	5	EA	$315,000	
	Fittings- Restrained Joint	28	EA	$1,120,000	
	ARVs	65	EA	$1,462,500	
	Pipeline Passive Anodes	300	EA	$150,000	
	Material Testing	1	LS	$50,000	
	Pipeline Testing Allowance	15	EA	$75,000	
	ROW Clearing & Grubbing	279,312	LF	$558,600	
	Fence Remove & Replace	150	EA	$225,000	
2	**CROSSINGS**				**$3,475,000**
	Major Highways	2	EA	$600,000	
	Major Roads(Bored)	15	EA	$1,687,500	
	Minor Roads	2	EA	$75,000	
	Other Road Crossings (Minor)	42	EA	$105,000	
	Major Creek	15	EA	$562,500	
	Minor Creek	37	EA	$370,000	
	Product Pipeline Crossings	5	EA	$75,000	
3	**BREAKOUT TANK & PUMP STATION**				**$3,162,500**
	One-Way Tank 1	0.25	MG	$812,500	
	One-Way Tank 2	0.25	MG	$812,500	
	One-Way Tank 3	0.25	MG	$812,500	
	Site Work Allowance	1	LS	$300,000	
	Site Fence	3000	LF	$225,000	
	Electrical/SCADA	1	LS	$200,000	
				SUBTOTAL	**$132,452,500**
3	**CONTRACTOR Mobilization/Insurance/OH&P**	20%		$26,490,500	
	CONTINGENCY	30%		$39,735,800	
				TOTAL ESTIMATED CONSTRUCTION COST	**$198,678,800**
6	**OTHER COSTS**				
	Environmental				**$663,000**
	Wetland Delineation Study	321	Acres	$192,400	
	Cultural Resources Study	321	Acres	$320,600	
	NEPA/EA Document	1	LS	$150,000	
	Survey				**$426,000**
	Legal Survey	113	Parcel	$169,500	
	Topo/Design Survey	641	Acres	$256,500	
	Easements				**$2,885,400**
	Permanent Easement-50' wide	321	Acres	$2,404,500	
	Temporary Easement-50' wide	321	Acres	$480,900	
	Engineering: Pre-design/Design/Bidding/CA/RPR				**$23,841,400**
	Predesign/Detailed Design/Bidding	6.0%		$11,920,700	
	CA/RPR	6.0%		$11,920,700	
	Permits				**$500,000**
	USACE 404/NEPA		Allowance	$480,000	
	PERMITS (DEQ)			$20,000	
TOTAL ESTIMATED PROJECT COST- JULY 2024					**$226,995,000**

ESTIMATED PIPELINE COST- ALIGNMENT 2 - 36" & 36" - LOCATION C)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	ESTIMATED COST	TOTAL
1	**PIPELINE**				**$115,995,900**
	Pipeline Diameter-36"	137808	LF	$55,123,200	
	Pipeline Diameter-36"	141504	LF	$56,601,600	
	Pipeline Valves-36"	5	EA	$315,000	
	Pipeline Valves-36"	5	EA	$315,000	
	Fittings- Restrained Joint	28	EA	$1,120,000	
	ARVs	65	EA	$1,462,500	
	Pipeline Passive Anodes	300	EA	$150,000	
	Material Testing	1	LS	$50,000	
	Pipeline Testing Allowance	15	EA	$75,000	
	ROW Clearing & Grubbing	279,312	LF	$558,600	
	Fence Remove & Replace	150	EA	$225,000	
2	**CROSSINGS**				**$3,475,000**
	Major Highways	2	EA	$600,000	
	Major Roads(Bored)	15	EA	$1,687,500	
	Minor Roads	2	EA	$75,000	
	Other Road Crossings (Minor)	42	EA	$105,000	
	Major Creek	15	EA	$562,500	
	Minor Creek	37	EA	$370,000	
	Product Pipeline Crossings	5	EA	$75,000	
3	**BREAKOUT TANK**				**$3,162,500**
	One-Way Tank 1	0.25	MG	$812,500	
	One-Way Tank 2	0.25	MG	$812,500	
	One-Way Tank 3	0.25	MG	$812,500	
	Site Work Allowance	1	LS	$300,000	
	Site Fence	3000	LF	$225,000	
	Electrical/SCADA	1	LS	$200,000	
				SUBTOTAL	**$122,633,400**
3	**CONTRACTOR Mobilization/Insurance/OH&P**	20%		$24,526,700	
	CONTINGENCY	30%		$36,790,000	
				TOTAL ESTIMATED CONSTRUCTION COST	**$183,950,100**
6	**OTHER COSTS**				
	Environmental				**$663,000**
	Wetland Delineation Study	321	Acres	$192,400	
	Cultural Resources Study	321	Acres	$320,600	
	NEPA/EA Document	1	LS	$150,000	
	Survey				**$426,000**
	Legal Survey	113	Parcel	$169,500	
	Topo/Design Survey	641	Acres	$256,500	
	Easements				**$2,885,400**
	Permanent Easement-50' wide	321	Acres	$2,404,500	
	Temporary Easement-50' wide	321	Acres	$480,900	
	Engineering: Pre-design/Design/Bidding/CA/RPR				**$22,074,000**
	Predesign/Detailed Design/Bidding	6.0%		$11,037,000	
	CA/RPR	6.0%		$11,037,000	
	Permits				**$500,000**
	USACE 404/NEPA		Allowanc	$480,000	
	PERMITS (DEQ)			$20,000	
TOTAL ESTIMATED PROJECT COST- JULY 2024					**$210,499,000**

Annual O&M- Alignment 1- Intake Pump Station (In Operation)

Task	Quantity	Unit	kW	kWh or kW Rate	Unit Cost	Total $
14 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	1043	$0.148350		$1,355,426
Electric Demand Charge	0	Month	1043			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$1,362,900
18 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	1565	$0.148350		$2,033,789
Electric Demand Charge	0	Month	1565	$13.74		$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$2,041,200
22 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	1639	$0.148350		$2,129,956
Electric Demand Charge	0	Month	1639	$13.74		$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$2,137,400

Annual O&M- Alignment 2- Intake Pump Station (In Operation)

Task	Quantity	Unit	kW	kWh or kW Rate	Unit Cost	Total $
14 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	745	$0.148350		$968,162
Electric Demand Charge	0	Month	745			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$975,600
18 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	1490	$0.148350		$1,936,324
Electric Demand Charge	0	Month	1490			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$1,943,800
22 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage	8760	Hours	1714	$0.148350		$2,227,422
Electric Demand Charge	0	Month	1714			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$5,000	$5,000
Total						$2,234,900

Annual O&M- Alignment 1- Pipeline

Task	Quantity	Unit	Unit Cost	Total $
Annual Valve Exercising & Reconnaissance Allowance	1	LS	$30,000	$30,000
ARV Maintenance Allowance	53	EA	$150	$7,950
Tank/SCADA & Corrosion Protection Maintenance Allowance	1	LS	$5,000	$5,000
Total				**$43,000**

Annual O&M-Alignment 2-Pipeline

Task	Quantity	Unit	Unit Cost	Total $
Annual Valve Exercising & Reconnaissance Allowance	1	LS	$33,000	$33,000
ARV Maintenance Allowance	65	EA	$150	$9,750
Tank/SCADA & Corrosion Protection Maintenance Allowance	1	LS	$7,500	$7,500
Total				**$50,300**

Annual O&M- Alignment 1- Intake Pump Station (Not-In-Operation)

Task	Quantity	Unit	kW	kWh or kW Rate	Unit Cost	Total $
14 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	372	$0.148350		$15,894
Electric Demand Charge	0	Month	372			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$19,300
18 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	521	$0.148350		$22,260
Electric Demand Charge	0	Month	521			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$25,700
22 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	596	$0.148350		$25,464
Electric Demand Charge	0	Month	596			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$28,900

Annual O&M- Alignment 2- Intake Pump Station (Not-In-Operation)

Task	Quantity	Unit	kW	kWh or kW Rate	Unit Cost	Total $
14 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	298	$0.148350		$12,732
Electric Demand Charge	0	Month	298			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$16,200
18 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	521	$0.148350		$22,260
Electric Demand Charge	0	Month	521			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$25,700
22 MGD						
Basic Electric Charge	0	Month			$280	$0
Pump Energy Usage Summer Peak	288	Hours	596	$0.148350		$25,464
Electric Demand Charge	0	Month	596			$0
Pump Building Electric Usage	12	Month			$200	$2,400
Pump Maintenance Allowance	1	LS			$1,000	$1,000
Total						$28,900

APPENDIX B

(Environmental Data Search- EDR Reports for Alignments 1 and 2)

Pipeline Alignment
Pipeline Alignment
Pawhuska, OK 74056

Inquiry Number: 7696910.5s
July 01, 2024

EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

ICIS: Integrated Compliance Information System

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OS3063 - WELL NO. BI FRS ID:: 110017752136	SE/4, SEC. 34, T 27N	1 / 1	60

INDIAN RESERV: Indian Reservations

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 INDIAN RESERV site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OSAGE RESERVATION		Region / **********	60

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

A review of the PFAS ECHO list, as provided by EDR, and dated 12/28/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the requested target property.

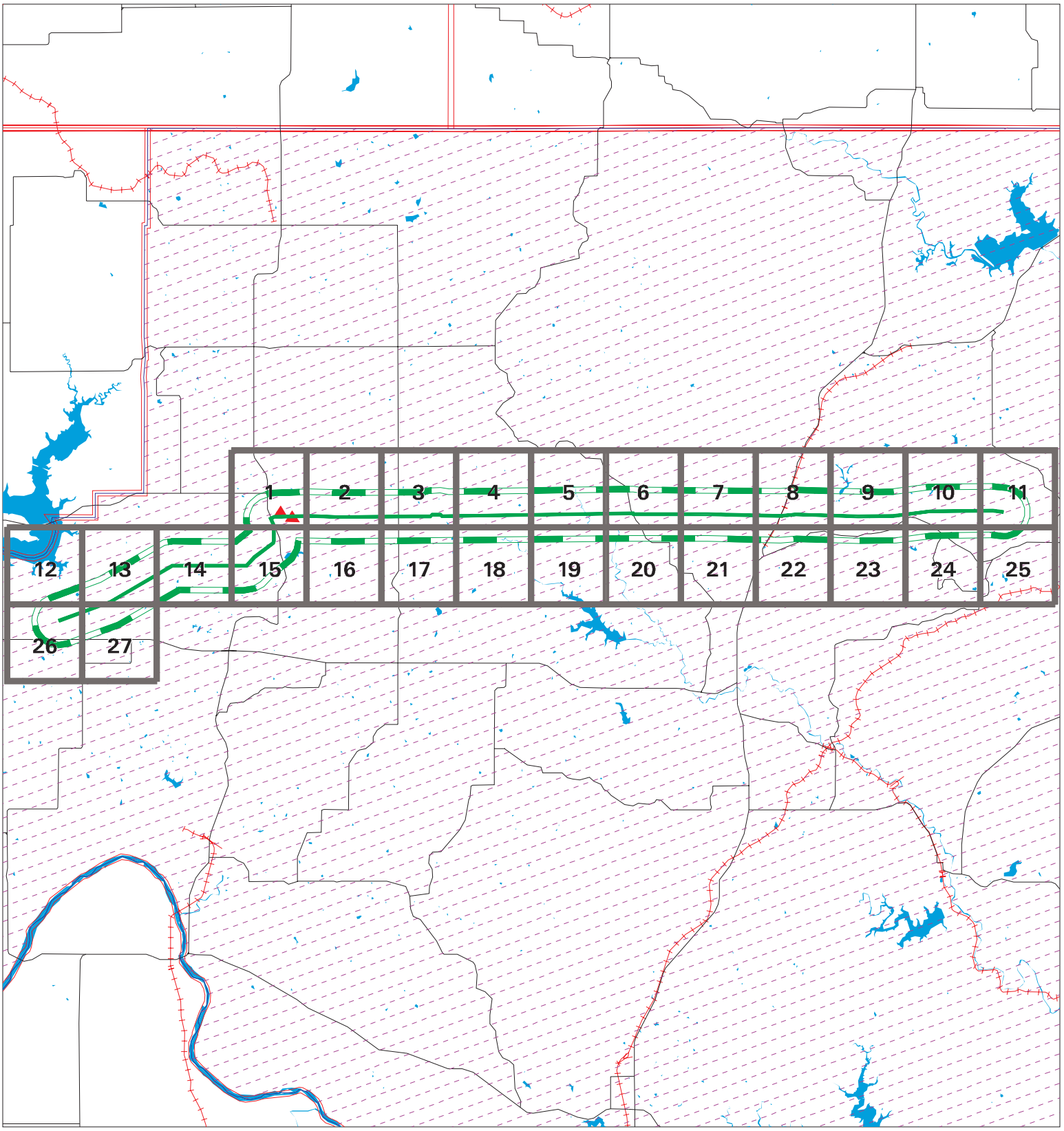
Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SHIDLER, CITY OF	***P.O. BOX 335***	***N 1/8 - 1/4 (0.212 mi.)***	***2 / 1***	***61***

MAPPED SITES SUMMARY

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / **********	OSAGE RESERVATION		INDIAN RESERV	TP
1 / 1	OS3063 - WELL NO. BI	SE/4, SEC. 34, T 27N	ICIS	TP
2 / 1	SHIDLER, CITY OF	P.O. BOX 335	FINDS, ECHO, PFAS ECHO	1118 0.212 North

Key Map - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 5 10 Miles

SITE NAME:	Pipeline Alignment	CLIENT:	S2 Engineering PLLC
ADDRESS:	Pipeline Alignment	CONTACT:	Srini@s2epllc.com
CITY/STATE:	Pawhuska OK	INQUIRY #:	7696910.5s
ZIP:	74056	DATE:	07/01/24 6:06 PM

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
SCAP	TP		NR	NR	NR	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
COMPLAINT	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000	1	0	0	0	0	NR	1
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	1	NR	NR	NR	1
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
PFAS PROJECT	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	0	1	0	0	0	3

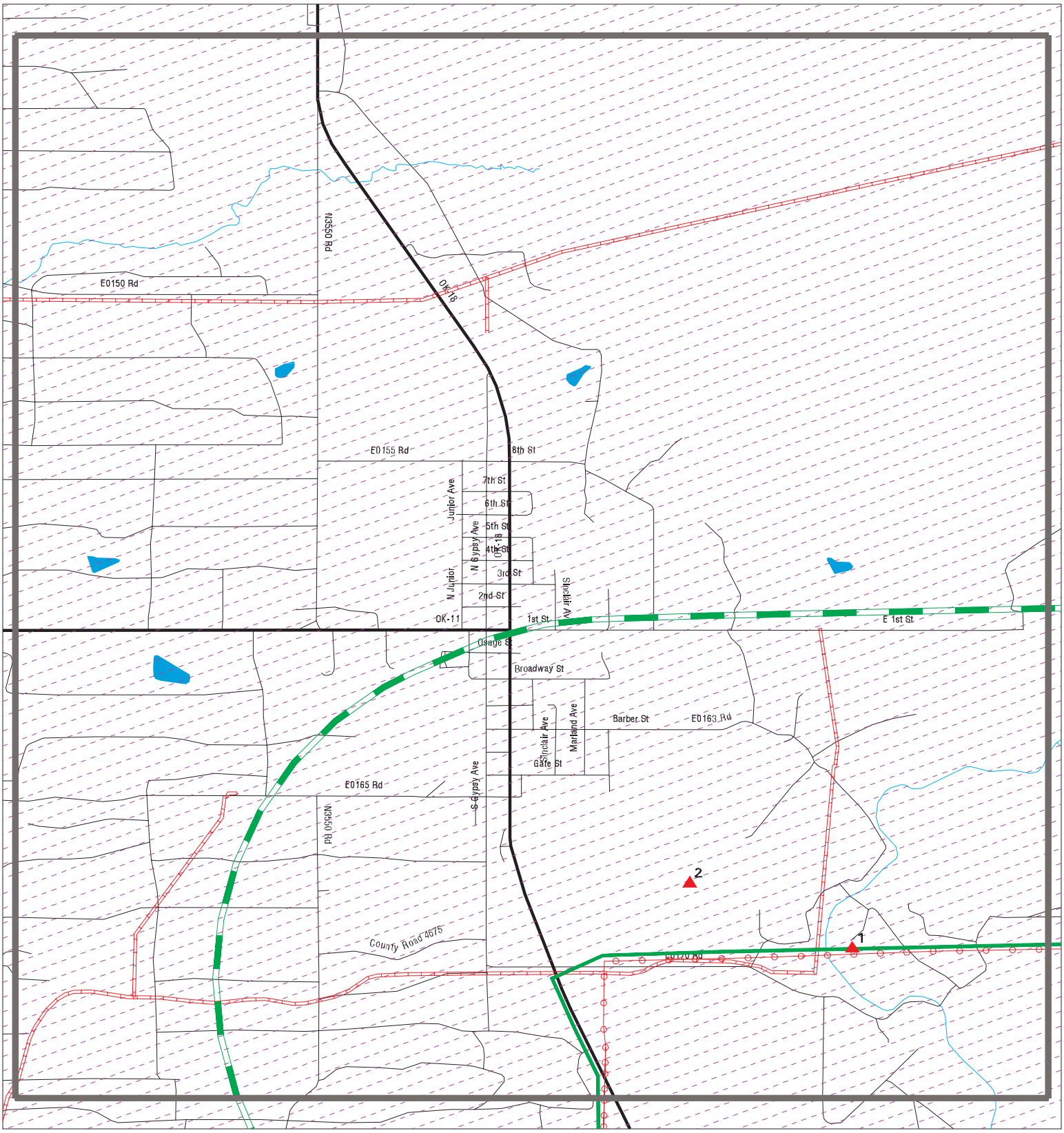
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

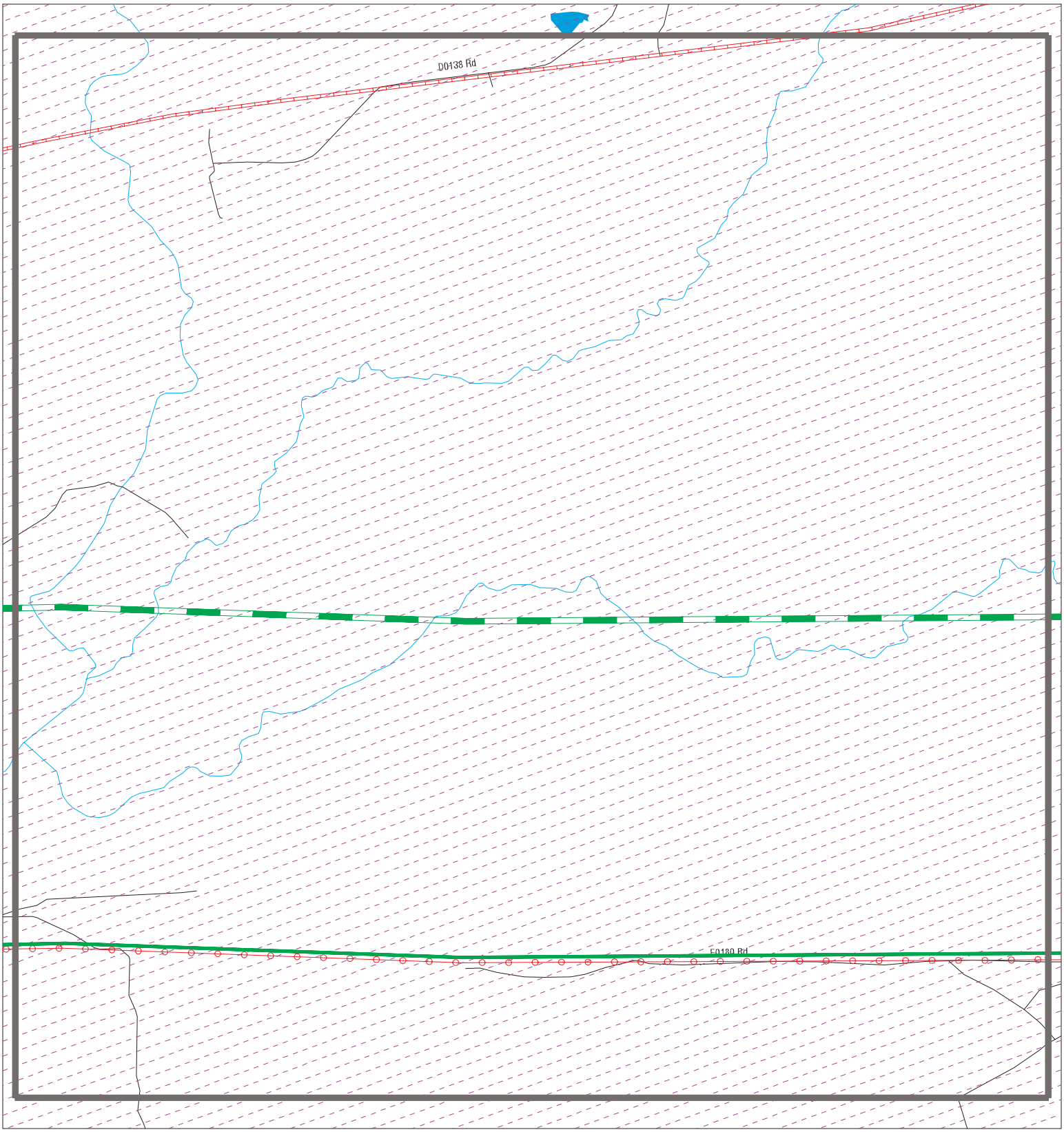
SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 1	OS3063 - WELL NO. BI	SE/4, SEC. 34, T 27N	ICIS	TP
2 / 1	SHIDLER, CITY OF	P.O. BOX 335	FINDS, ECHO, PFAS ECHO	1118 0.212 North

Focus Map - 2 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

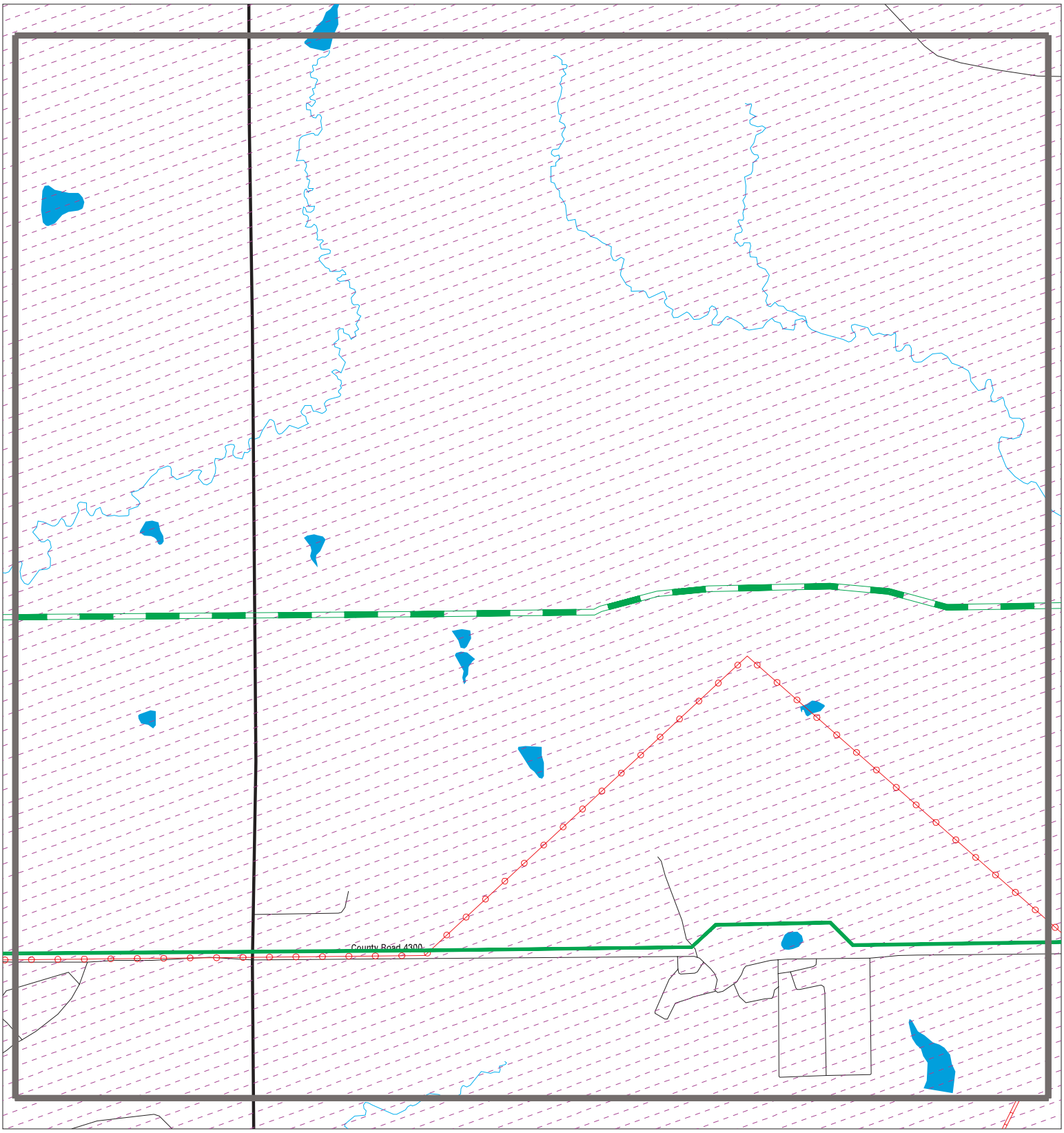
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 3 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

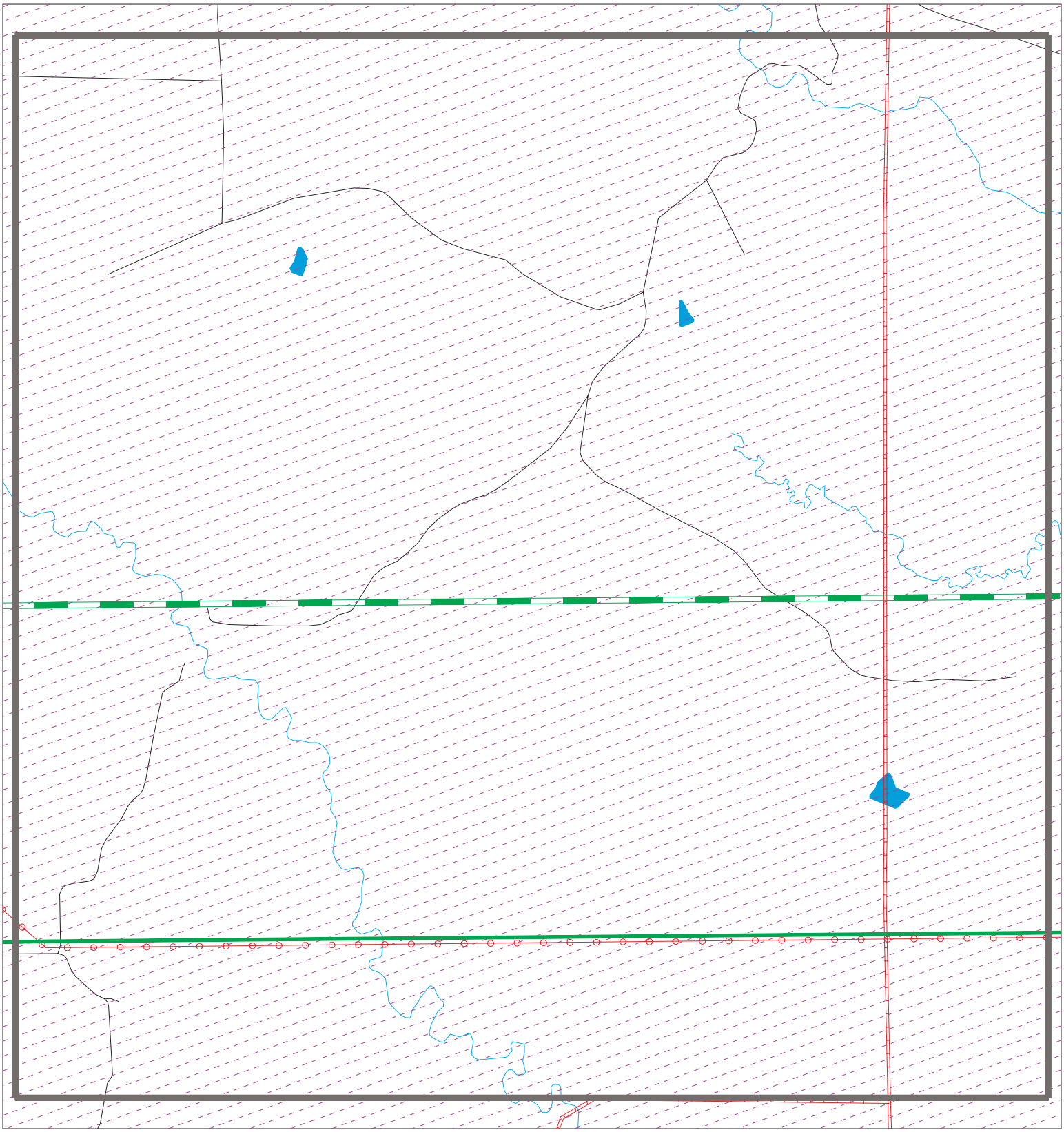
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 4 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

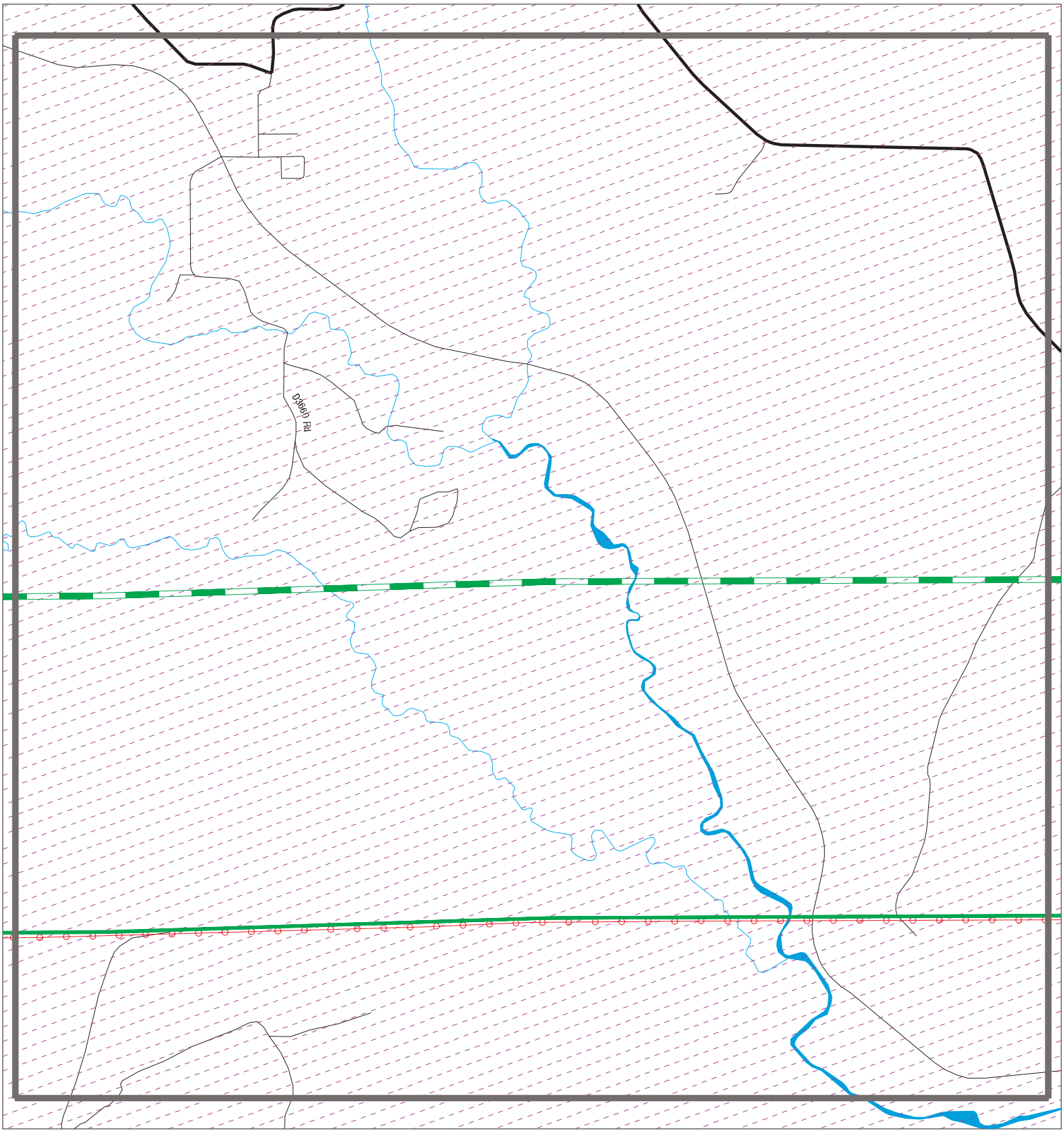
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 5 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

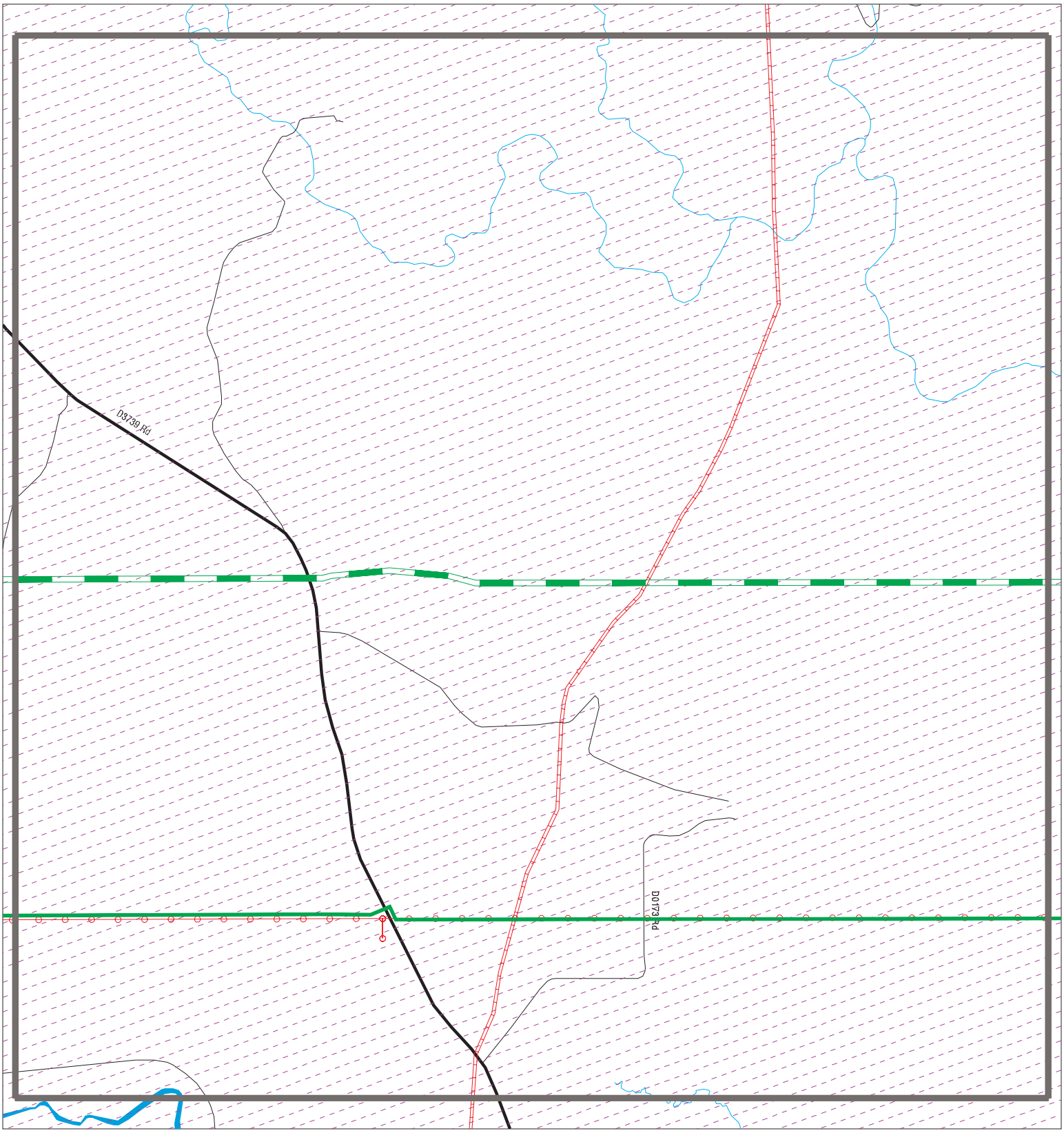
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 6 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

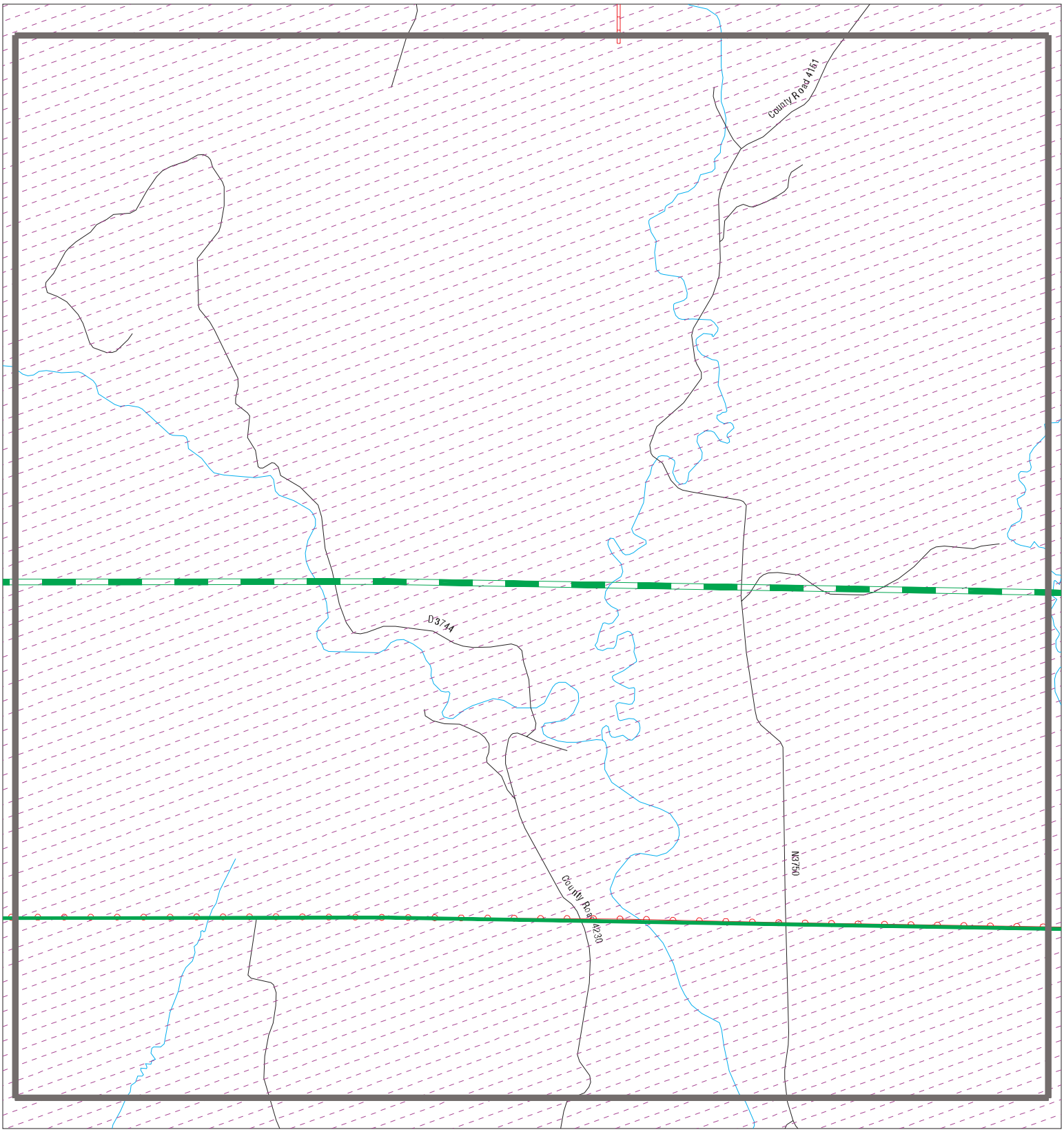
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 7 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

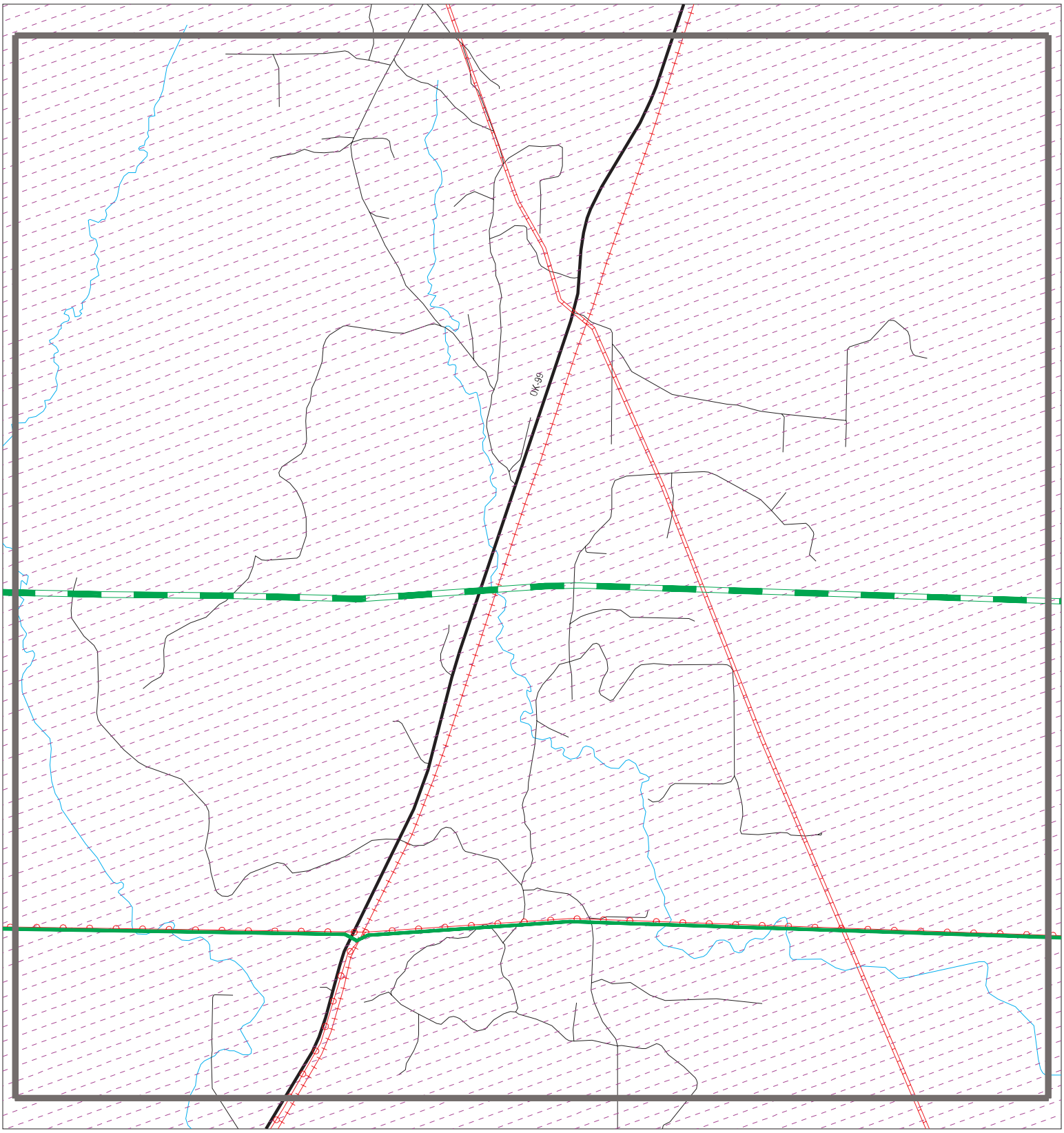
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

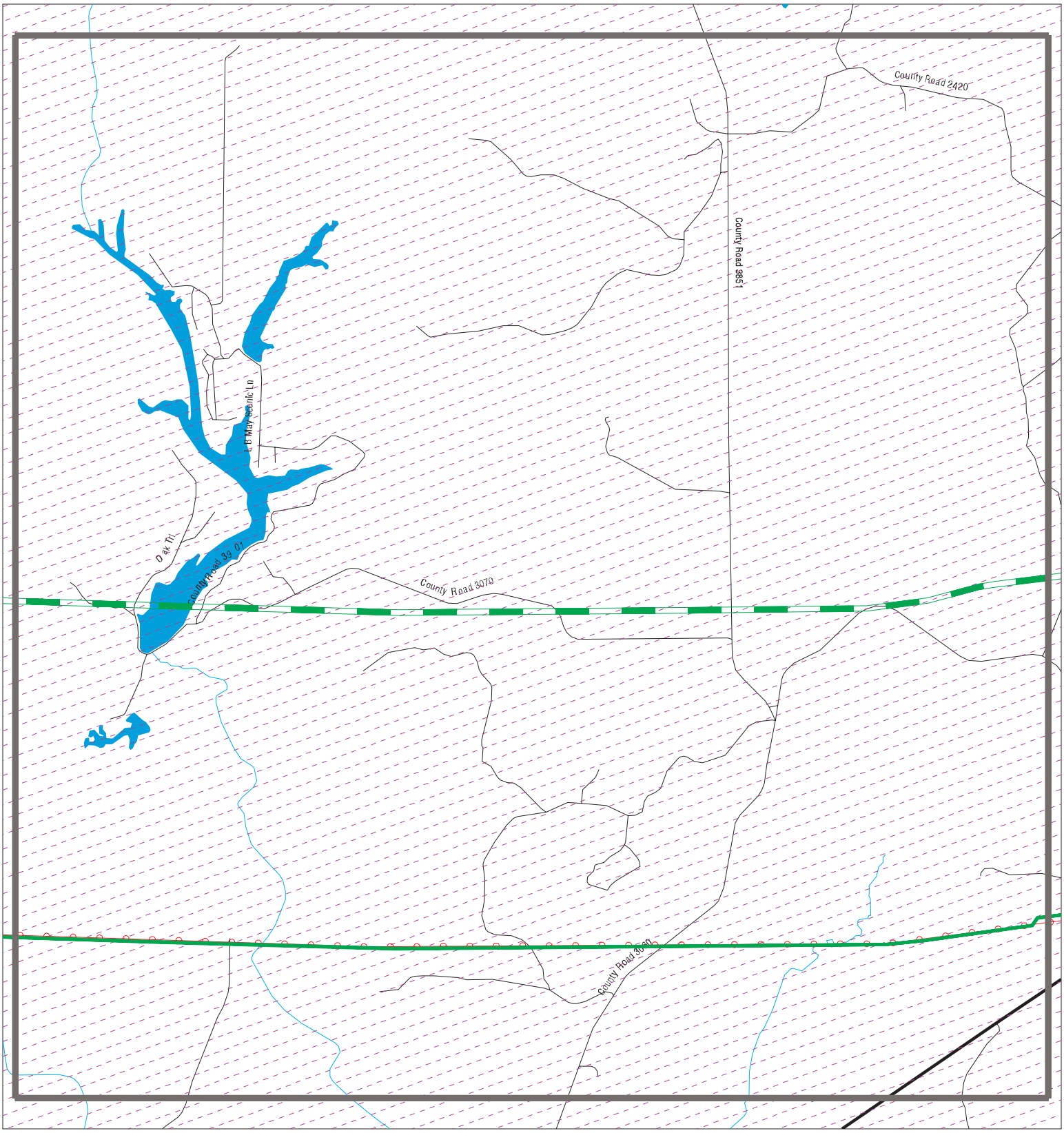
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 9 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

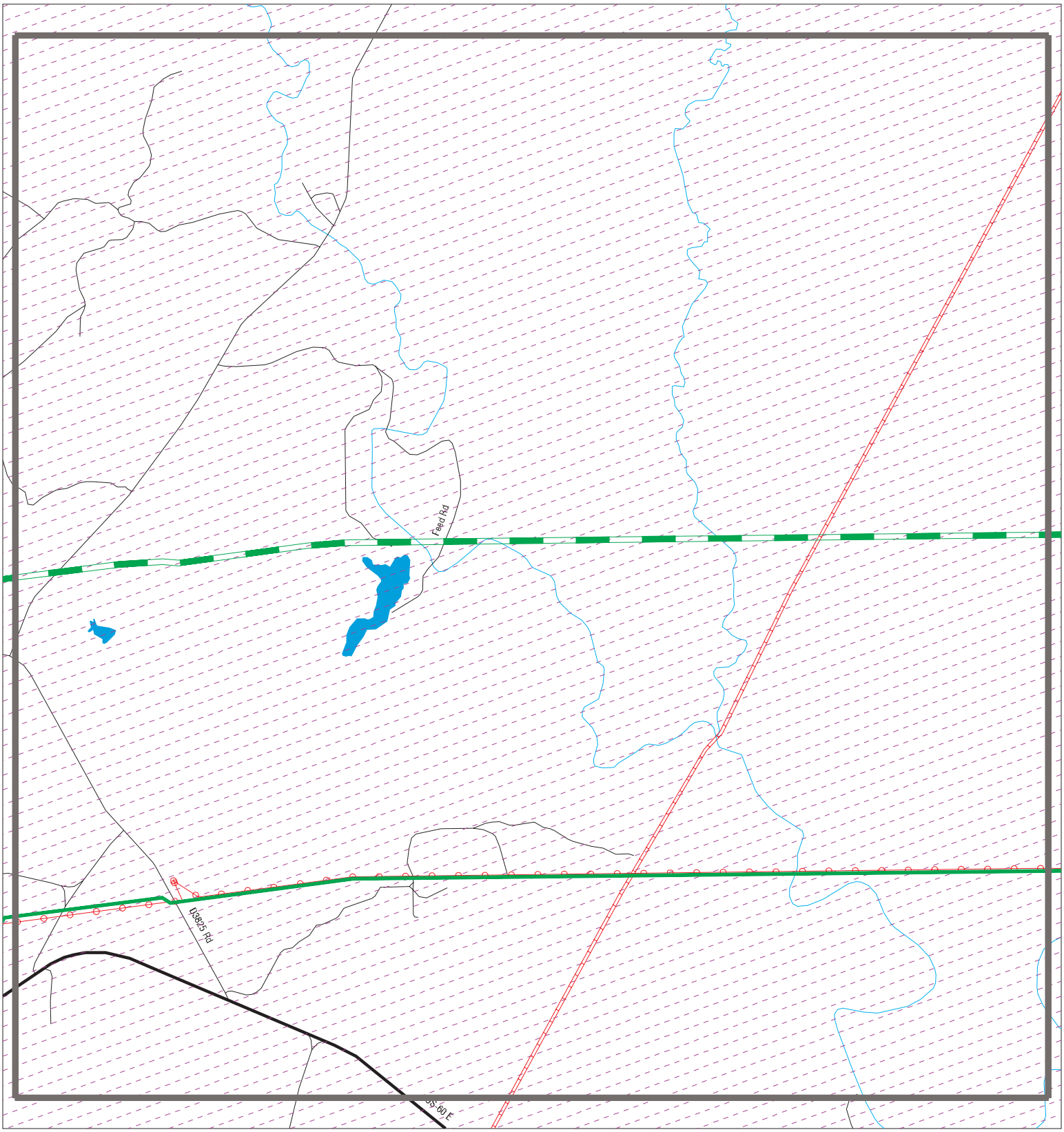
MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 10 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

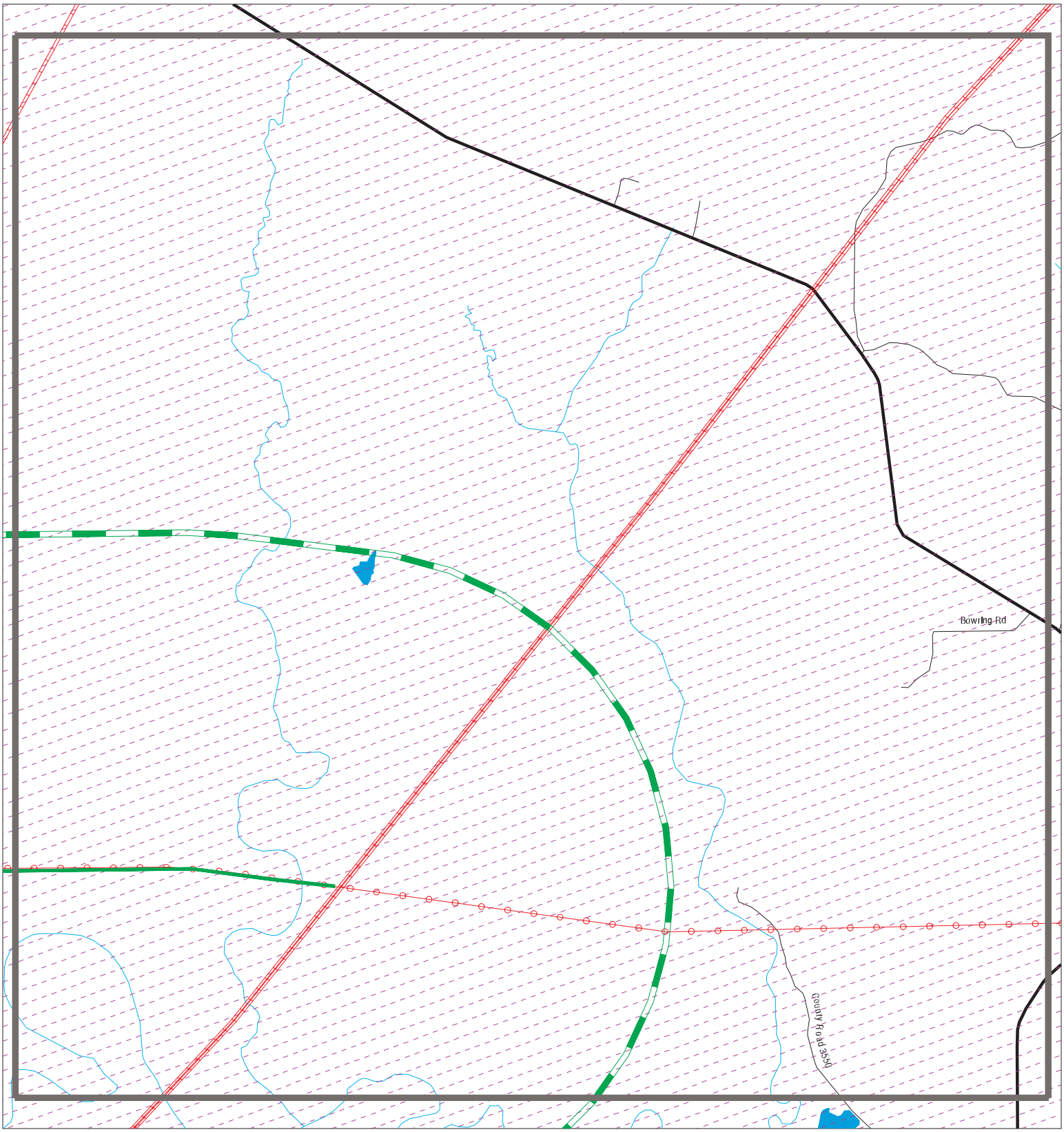
MAPPED SITES SUMMARY - FOCUS MAP 10

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 11 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

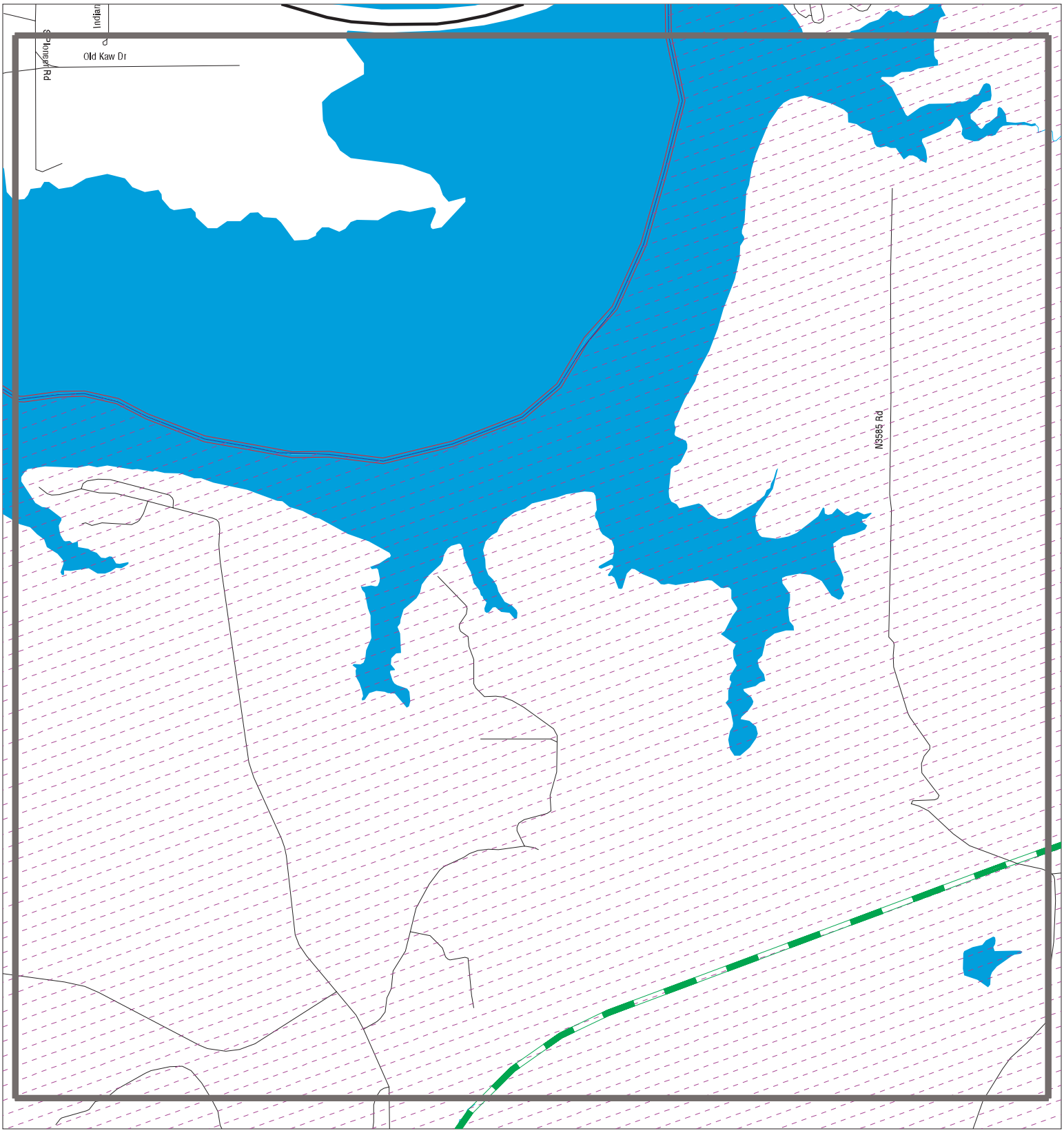
MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 12 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

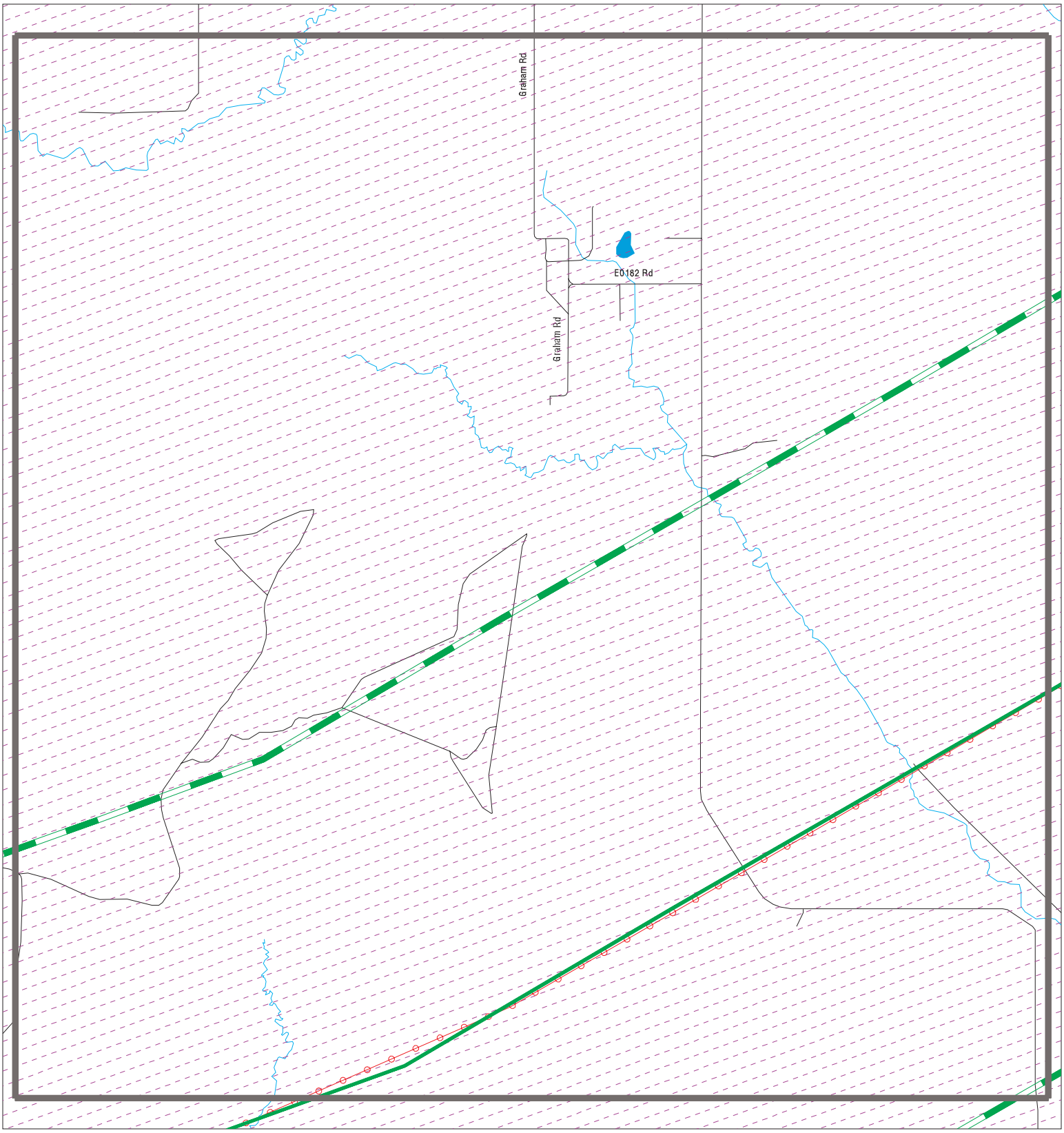
MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 13 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

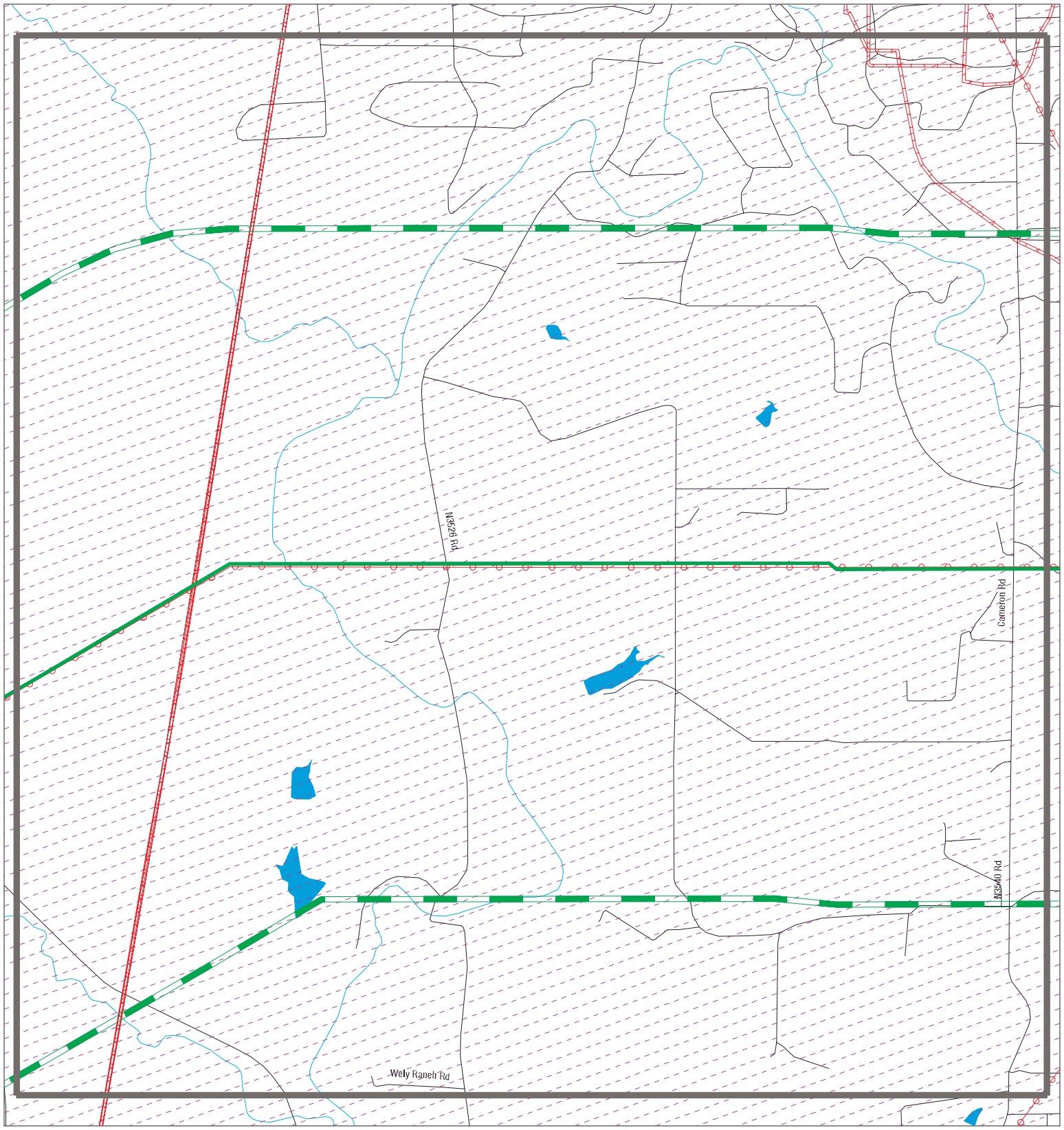
MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 14 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

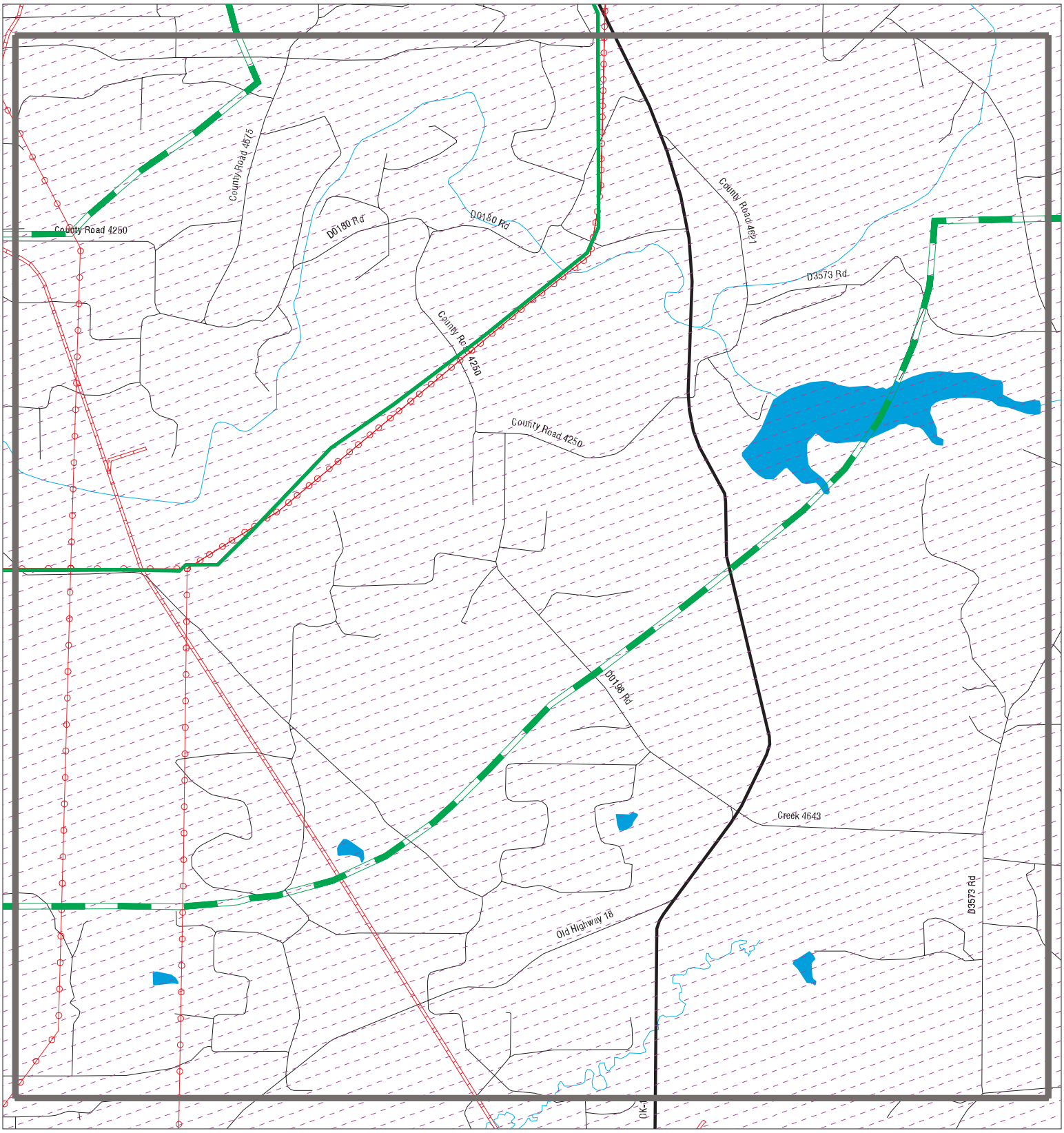
MAPPED SITES SUMMARY - FOCUS MAP 14

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 15 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

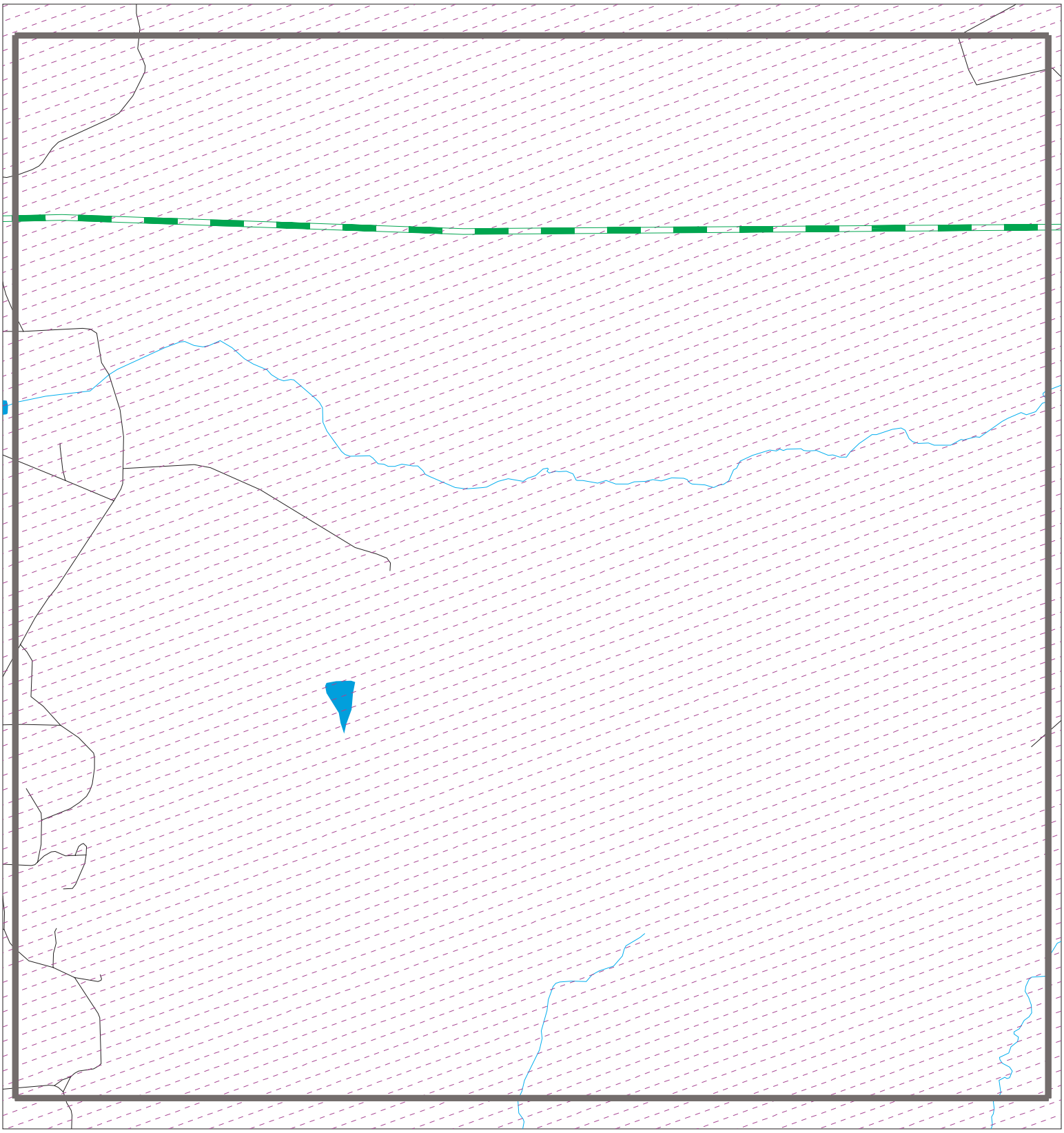
MAPPED SITES SUMMARY - FOCUS MAP 15

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 16 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

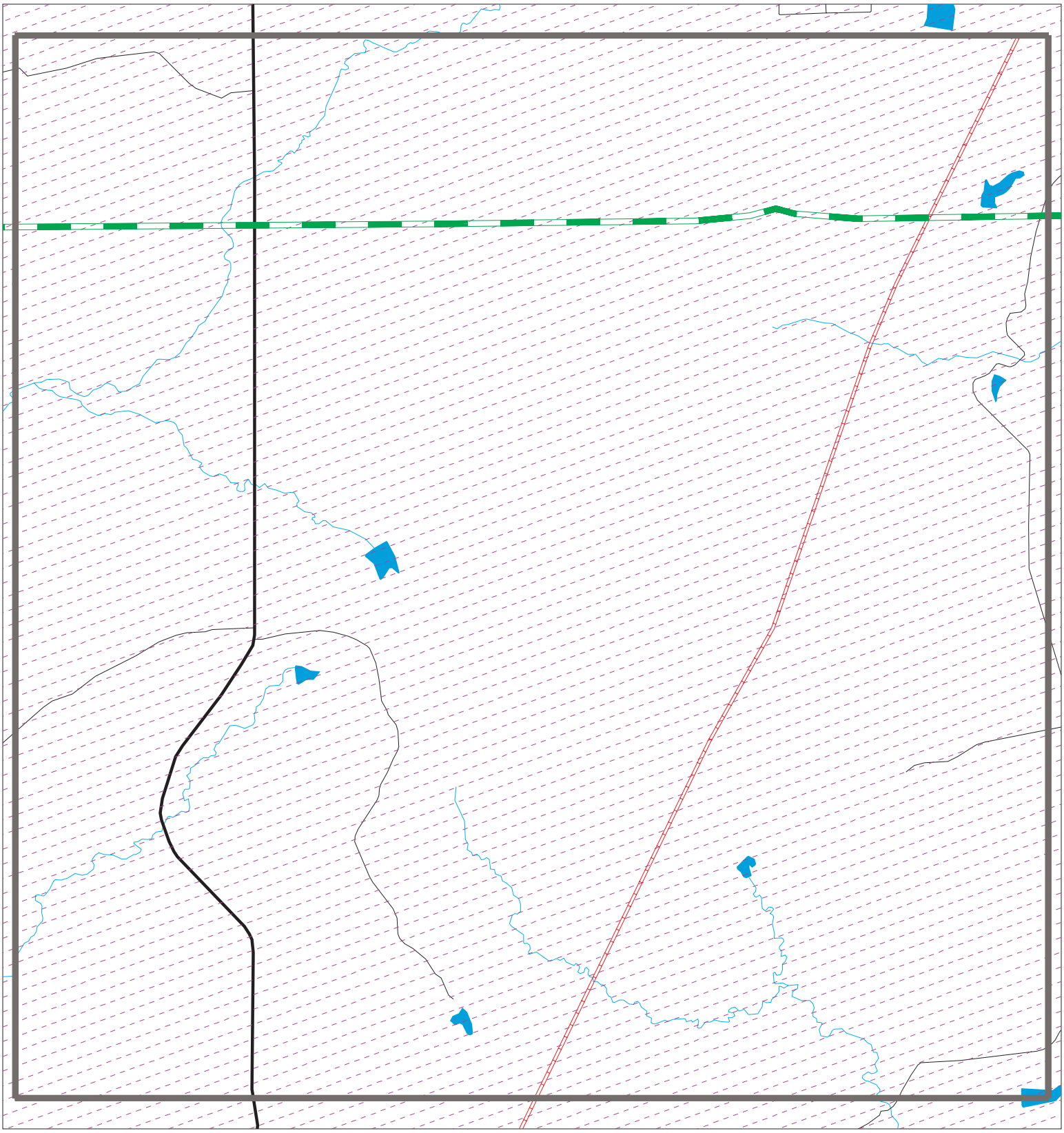
MAPPED SITES SUMMARY - FOCUS MAP 16

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 17 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

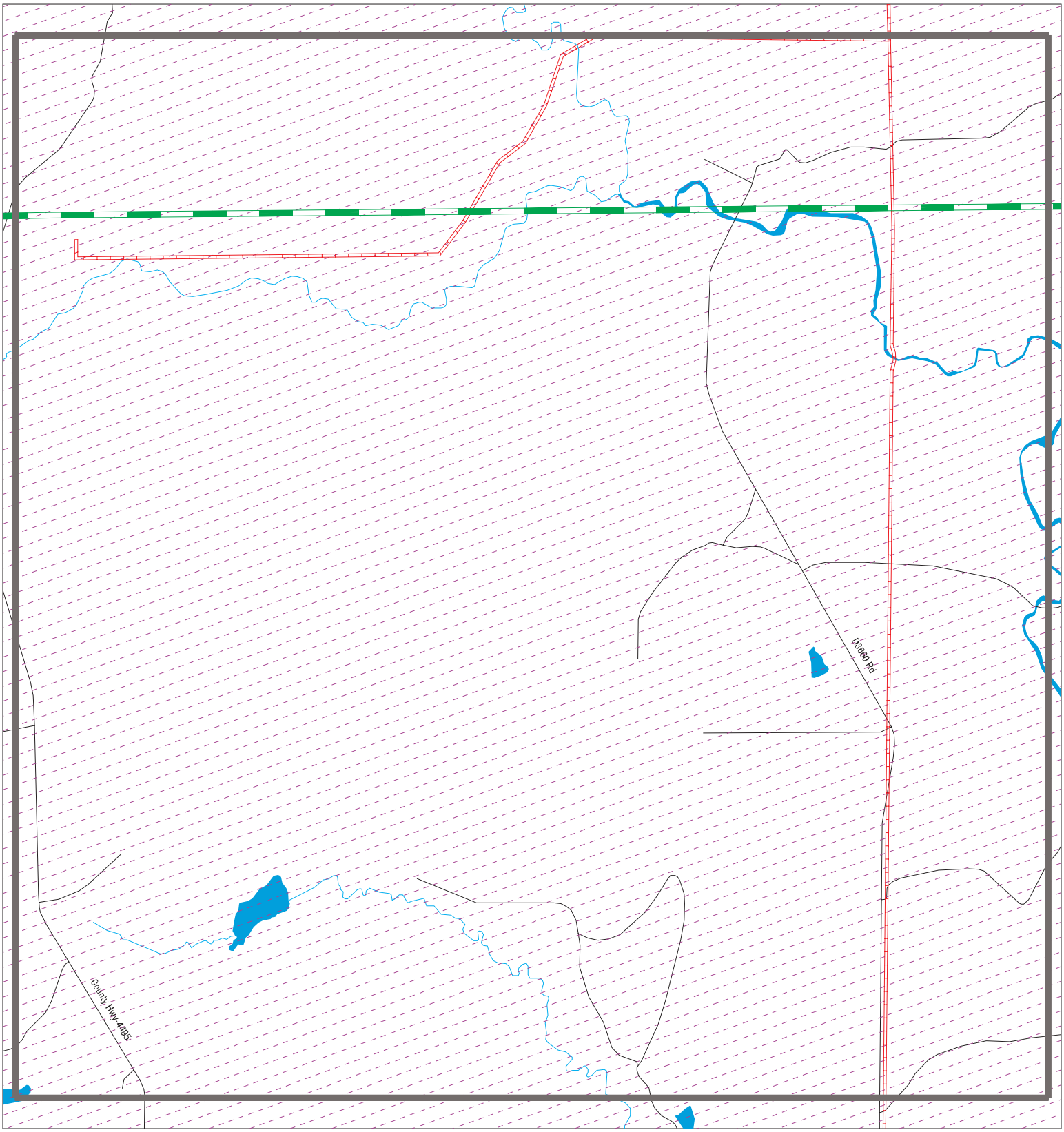
MAPPED SITES SUMMARY - FOCUS MAP 17

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 18 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

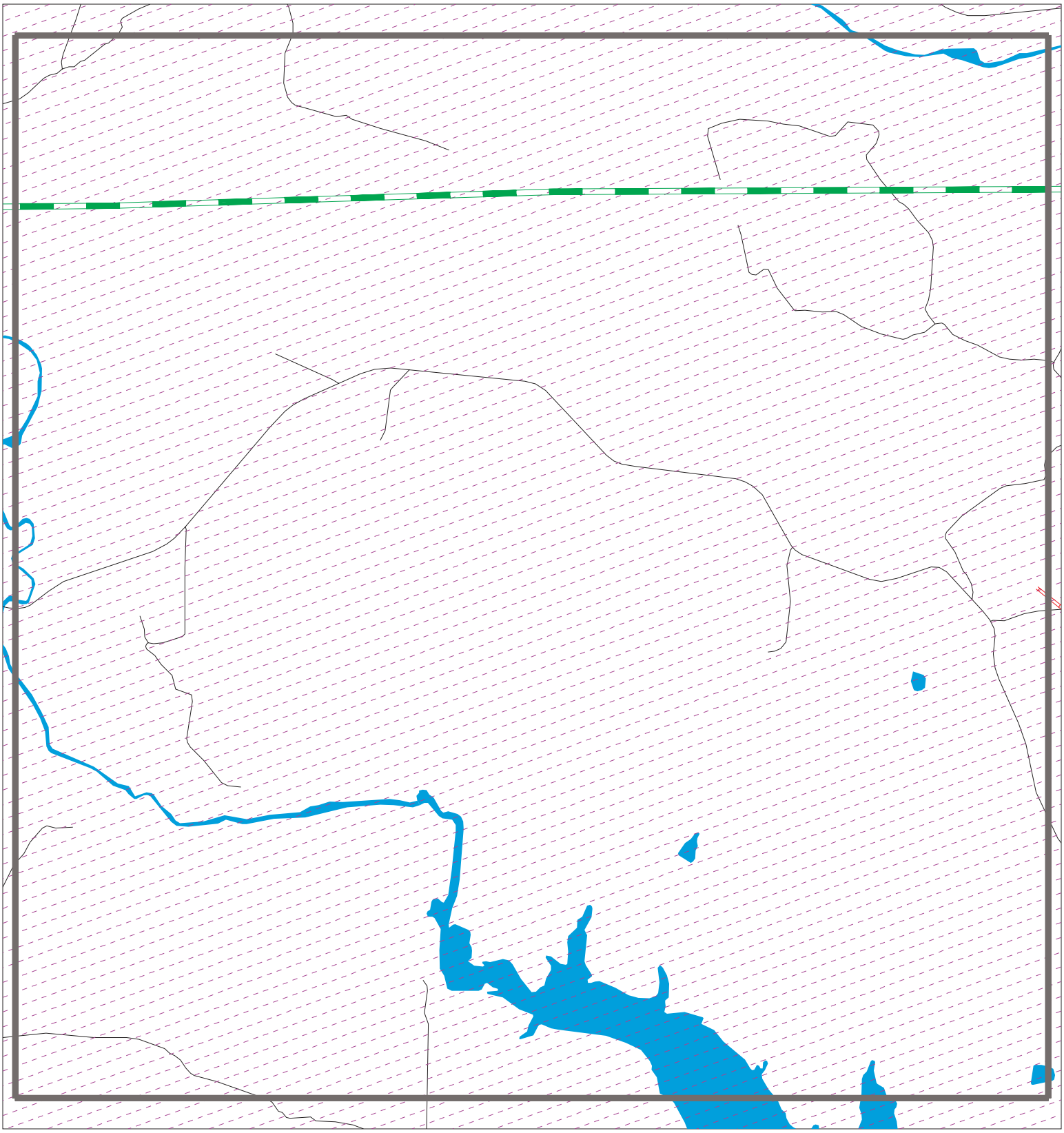
MAPPED SITES SUMMARY - FOCUS MAP 18

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 19 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

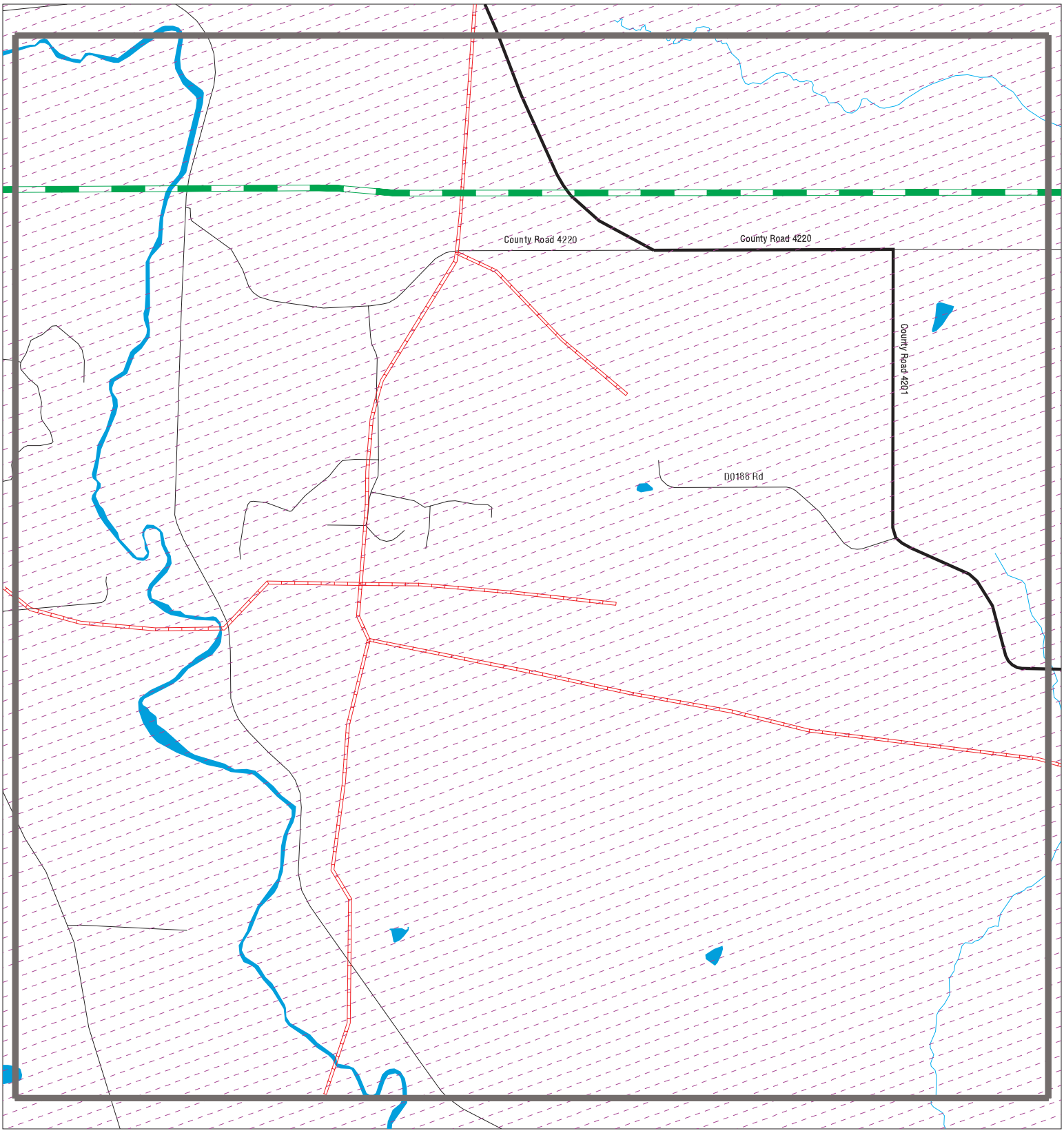
MAPPED SITES SUMMARY - FOCUS MAP 19

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 20 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

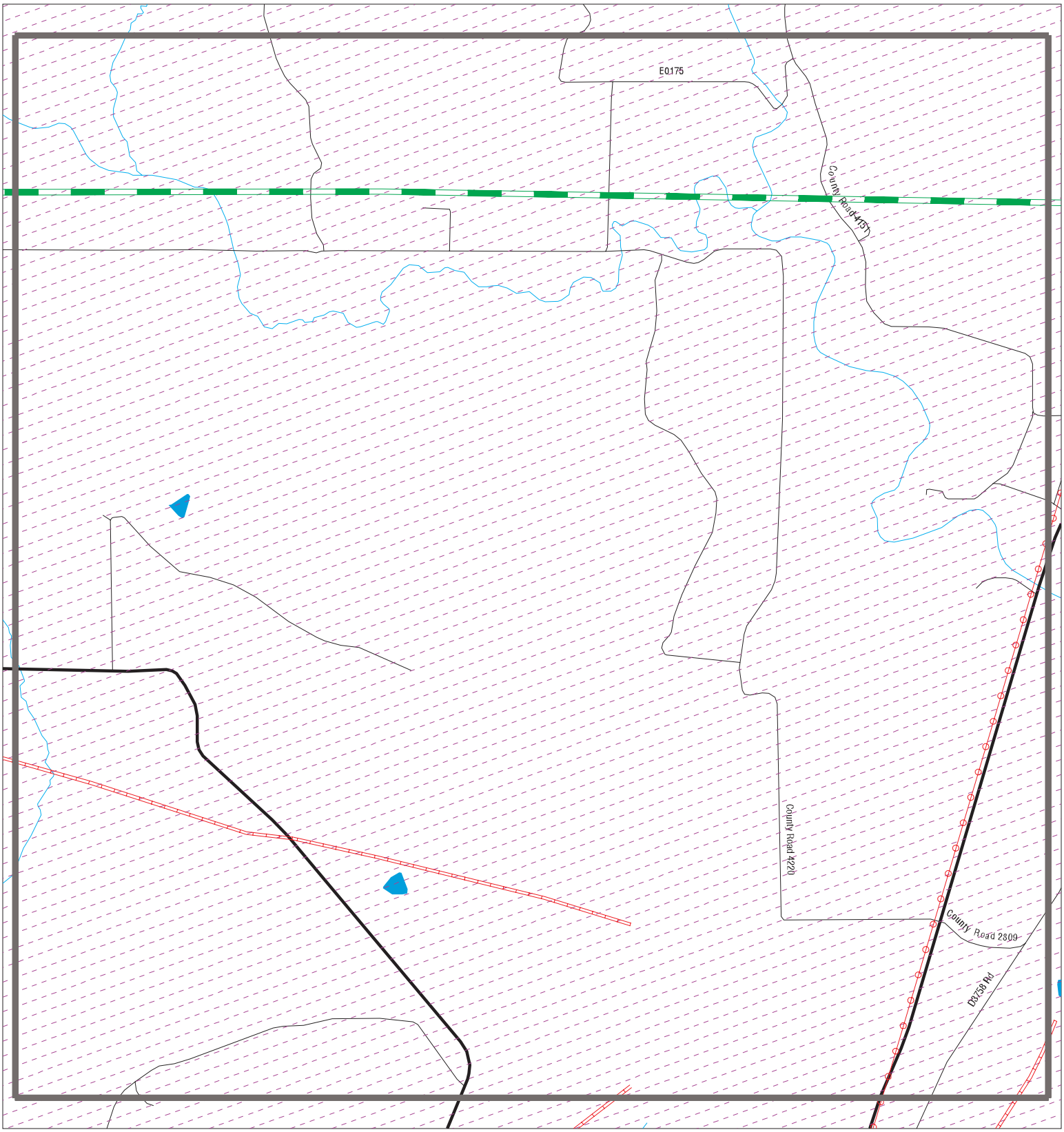
MAPPED SITES SUMMARY - FOCUS MAP 20

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 21 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

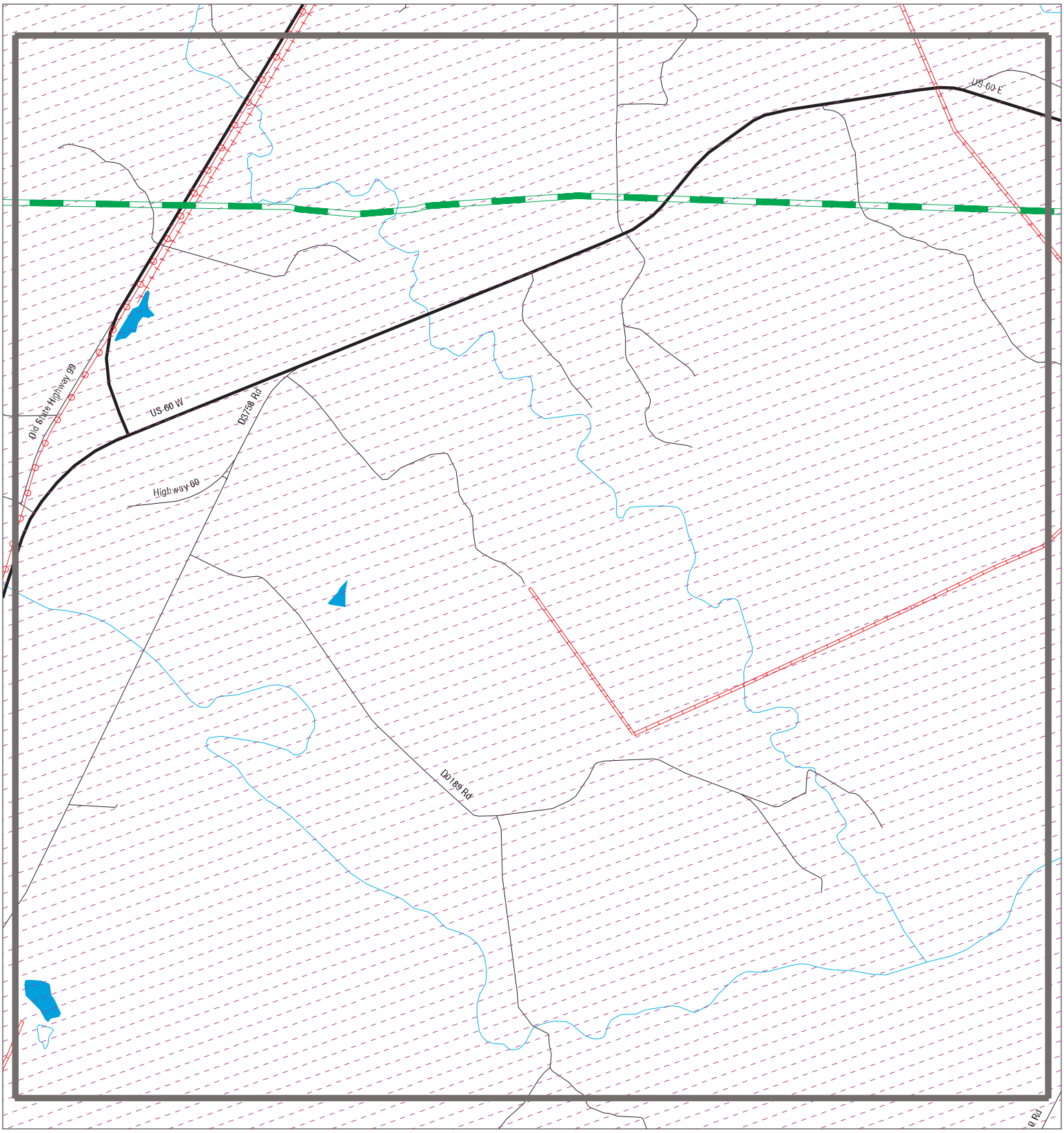
MAPPED SITES SUMMARY - FOCUS MAP 21

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 22 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

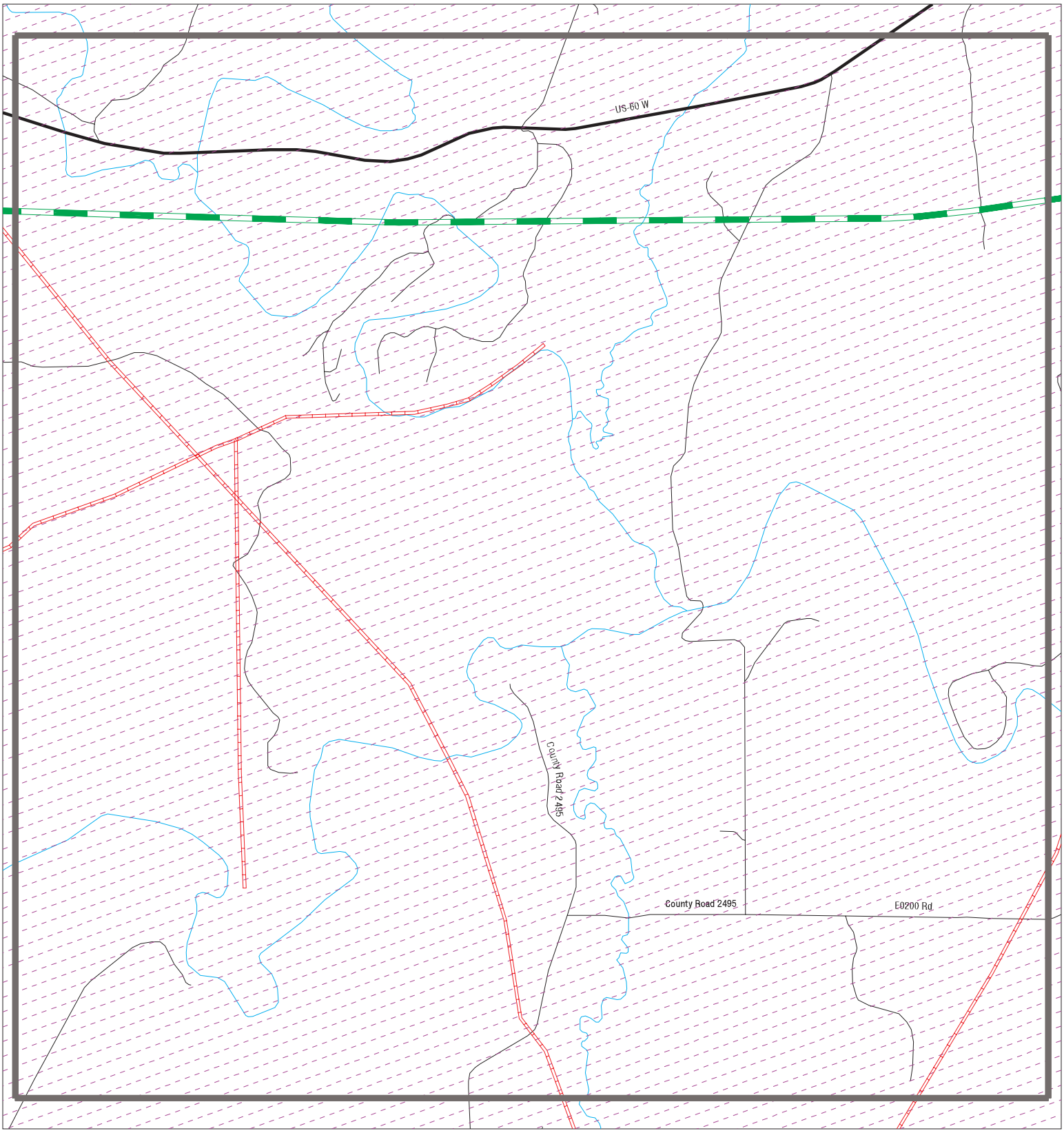
MAPPED SITES SUMMARY - FOCUS MAP 22

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 23 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

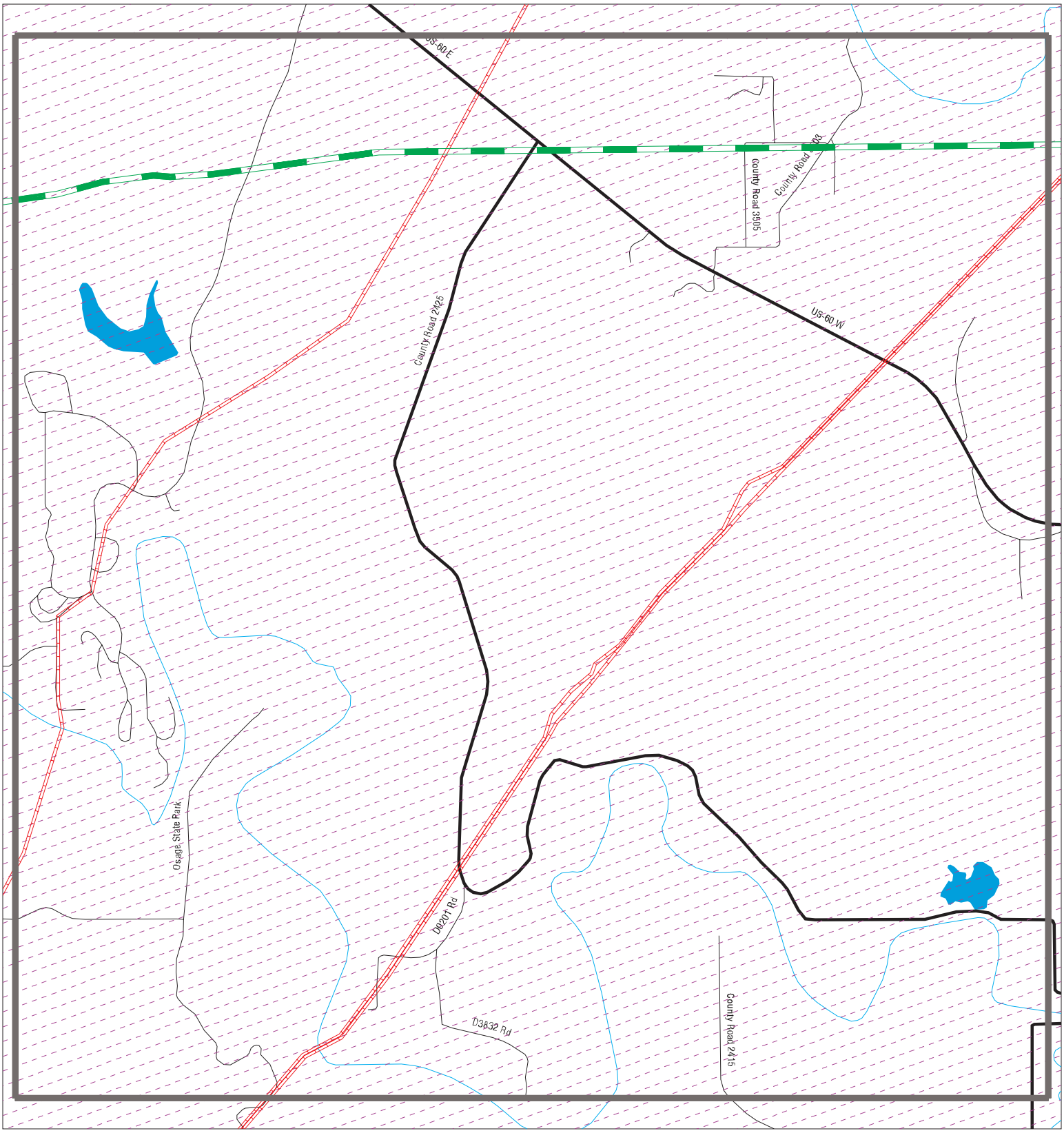
MAPPED SITES SUMMARY - FOCUS MAP 23

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 24 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

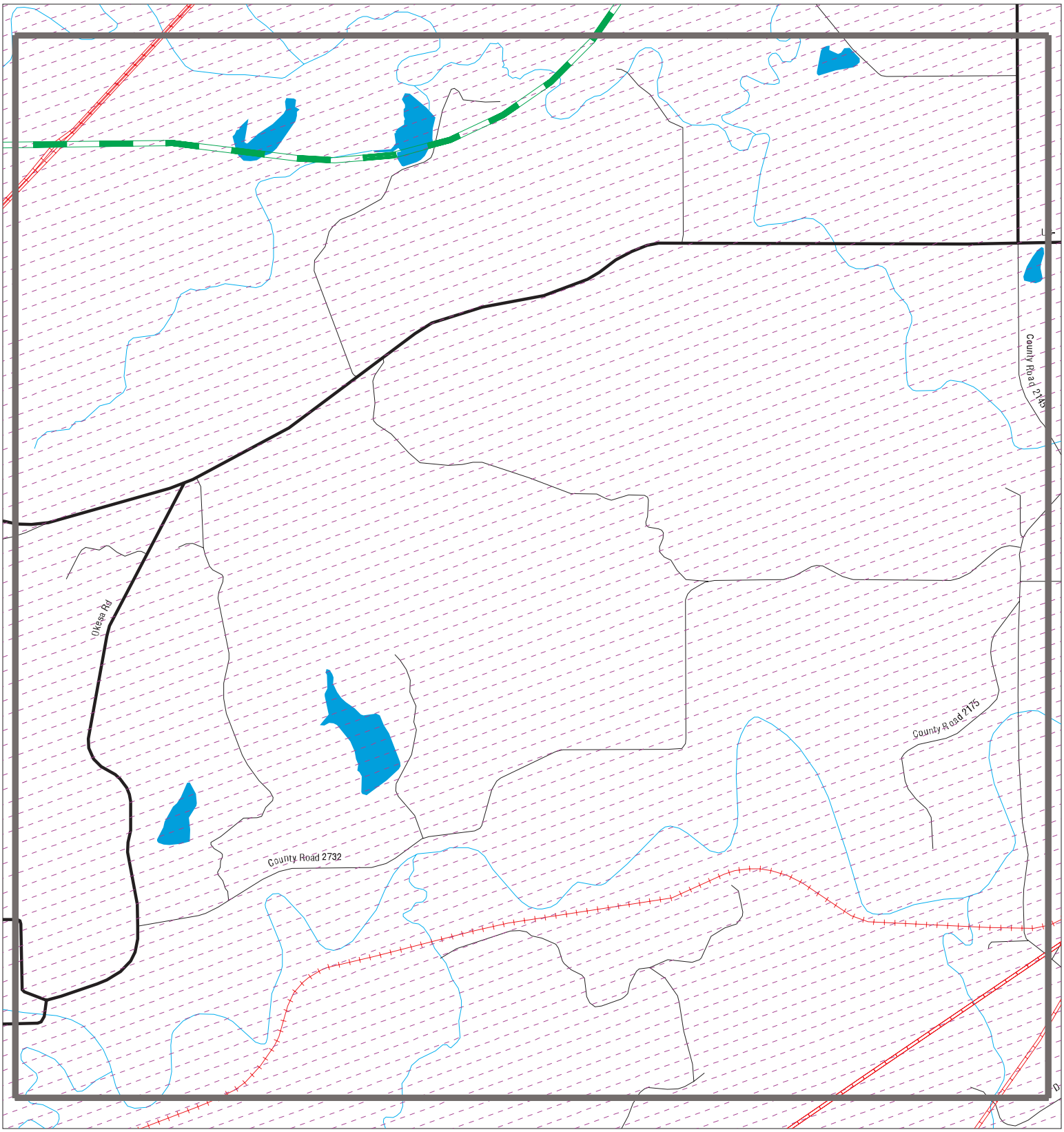
MAPPED SITES SUMMARY - FOCUS MAP 24

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 25 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

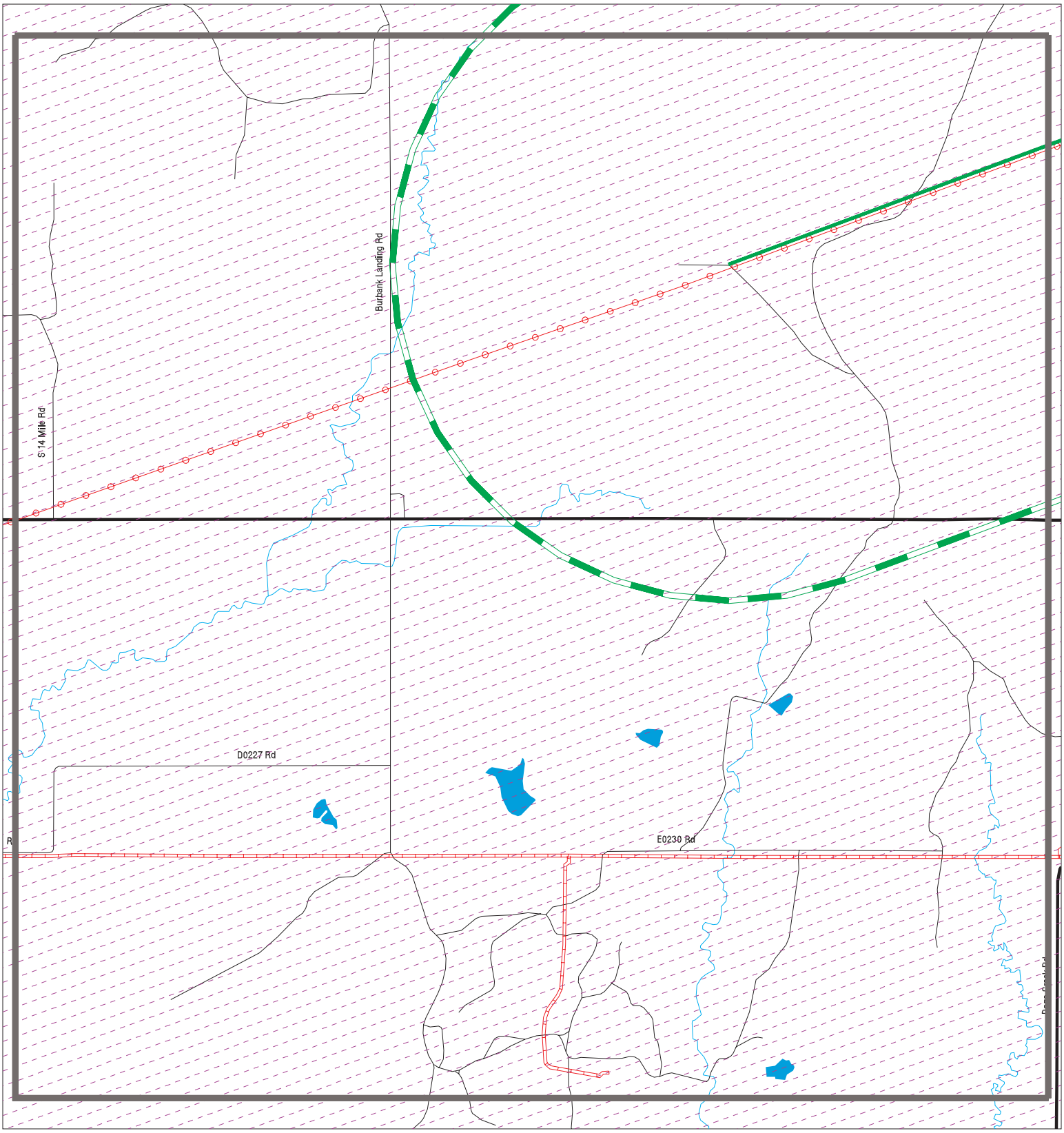
MAPPED SITES SUMMARY - FOCUS MAP 25

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 26 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

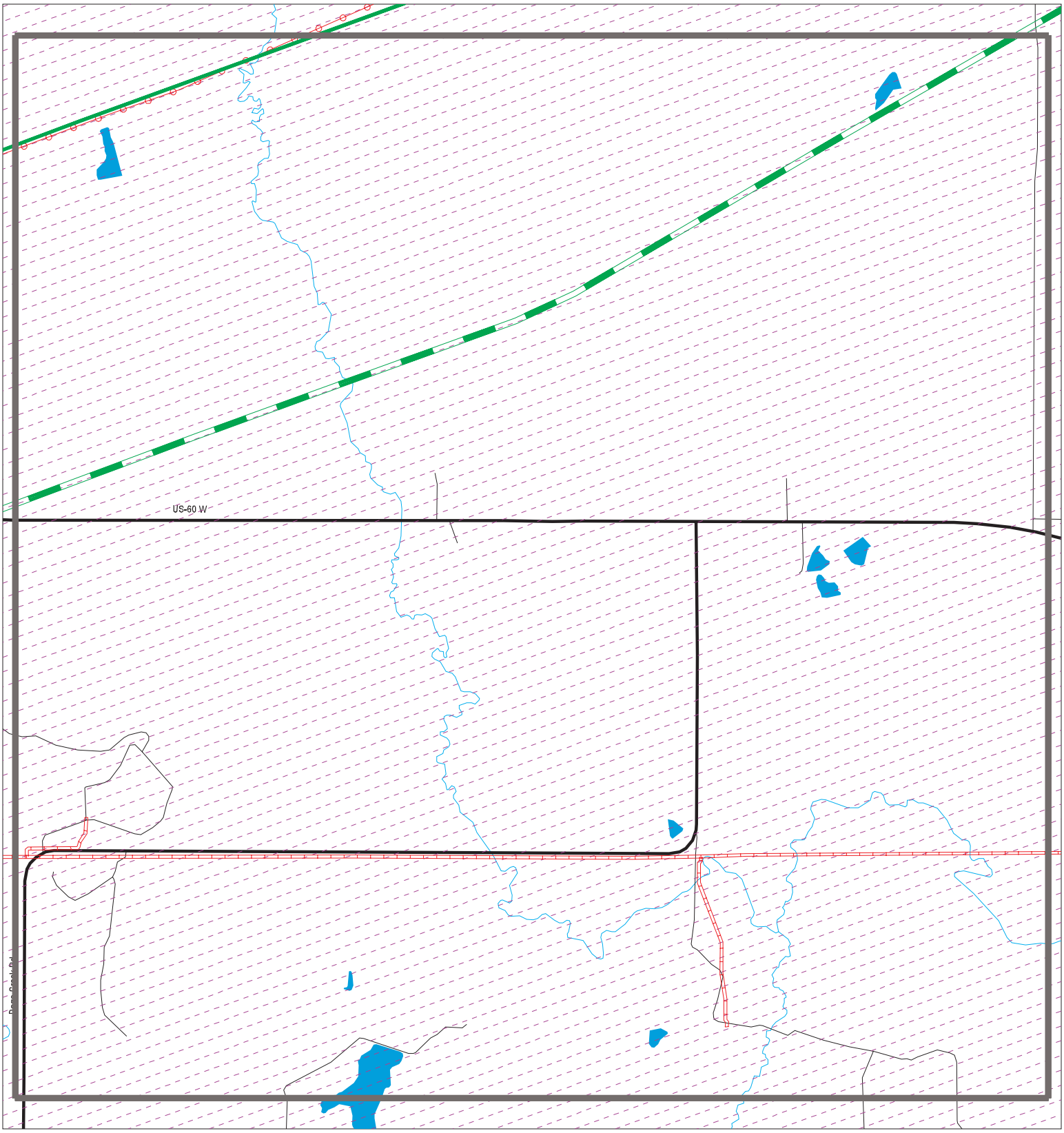
MAPPED SITES SUMMARY - FOCUS MAP 26

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 27 - 7696910.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Pipeline Alignment	CLIENT: S2 Engineering PLLC
ADDRESS: Pipeline Alignment	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696910.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 27

Target Property:
PIPELINE ALIGNMENT
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

IND RES **OSAGE RESERVATION** **INDIAN RESERV** **CIND200483**
Region **N/A**
Target **, OK**
Property

INDIAN RESERV:
Feature: Indian Reservation
Name: Osage Reservation
Focus Map: Agency: BIA
****

---

1 **OS3063 - WELL NO. BIGHE16 (E)** **ICIS** **1018304382**
Target **SE/4, SEC. 34, T 27N, R 6E** **N/A**
Property **SHIDLER, OK 74652**

Actual:
1034 ft.

Focus Map:
1

ICIS:
Enforcement Action ID: 06-200037640
FRS ID: 110017752136
Action Name: LINN - K (4/10)
Facility Name: OS3063 - WELL NO. BIGHE16 (E)
Facility Address: SE/4, SEC. 34, T 27N, R 6E
SHIDLER, OK 74652
Enforcement Action Type: Notice of Violation
Facility County: OSAGE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 36.768322
Longitude in Decimal Degrees: -96.642824
Permit Type Desc: Not reported
Program System Acronym: 6667088
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 06-200015540
FRS ID: 110017752136
Action Name: LINN - K (4/09)
Facility Name: OS3063 - WELL NO. BIGHE16 (E)
Facility Address: SE/4, SEC. 34, T 27N, R 6E
SHIDLER, OK 74652
Enforcement Action Type: Notice of Violation
Facility County: OSAGE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 36.768322
Longitude in Decimal Degrees: -96.642824
Permit Type Desc: Not reported
Program System Acronym: 6667088
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

2
North
1/8-1/4
0.212 mi.
1118 ft.

SHIDLER, CITY OF
P.O. BOX 335
SHIDLER, OK 74652

FINDS **1013889450**
ECHO **N/A**
PFAS ECHO

Actual:
1071 ft.

Focus Map:
1

FINDS:
Registry ID: 110022620047

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1013889450
Registry ID:	110022620047
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110022620047
Name:	SHIDLER, CITY OF
Address:	P.O. BOX 335
City,State,Zip:	SHIDLER, OK 74652

PFAS ECHO:

Name:	SHIDLER, CITY OF
Address:	Not reported
City,State,Zip:	SHIDLER, OK
Latitude:	36.771125
Longitude:	-96.651547
Count:	1
County:	OSAGE
Status:	Active
Region:	06
Industry:	Waste Management
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110022620047
Facility Percent Minority:	23.404
Facility Derived Tribes:	The Osage Nation - 0 mile(s), Kaw Nation, Oklahoma - 5.6 mile(s), Pawnee Nation of Oklahoma - 15.5 mile(s), Kaw Nation, Oklahoma - 17.4 mile(s), Ponca Tribe of Indians of Oklahoma - 17.4 mile(s), Ponca Tribe of Indians of Oklahoma - 18.7 mile(s)
Facility Population:	18.34
EPA Programs:	CWA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	40113
Facility Indian Country Flag:	N
Facility Collection Method:	GPS CODE (PSEUDO RANGE) DIFFERENTIAL
Facility Derived HUC:	11060006
Facility Derived WBD:	110600060303
Facility Derived CD113:	03
Facility Derived CB2010:	401139400111522
Facility Major Flag:	-

SHIDLER, CITY OF (Continued) **1013889450**

Facility Active Flag:	Y
Facility Inspection Count:	3
Facility Date Last Inspection:	9/25/2023
Facility Days Last Inspection:	82
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	1
Facility Date Last Formal Action:	10/18/2023
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	2
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	OK0022993
CWA Permit Types:	Non-M
CWA NAICS:	221320
CWA SICS:	4952
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-96.651547,%22y%22:36.771125,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

Count: 4 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARTLESVILLE	1003875980	EAST BARTLESVILLE DUMP	5.5 MILES EAST OF BARTLESVILLE, OKLAHOMA	74003	SEMS-ARCHIVE
BARTLESVILLE	1003875981	OLD DEWEY ROAD DUMP	0.5 MILES N. OF BARTLESVILLE, OKLAHOMA	74003	SEMS-ARCHIVE
FORAKER	S110466018	CHAPARRAL ENERGY--CARMAN BATTERY	N/2 SECTION 16-T28N-R08E (EAST OF FORAKER OK)	74652	TIER 2
SHIDLER	1016409220	SALTCREEK NO. 1-H	CAMERON RD (SW 10-25N-6E)	74652	US AIRS, FINDS, ECHO

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/13/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Voluntary Cleanup & Superfund Site Status Report

Land restoration projects carried out in several DEQ programs.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/27/2023
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Permitted Solid Waste Disposal & Processing Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/22/2023
Date Made Active in Reports: 06/07/2023
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 405-702-5184
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

LAST: Leaking Aboveground Storage Tanks List

Leaking aboveground storage tank site locations.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Oklahoma Corporation Commission
Telephone: 405-522-4640
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

UST: Underground Storage Tank Listing
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

TANKS: Petroleum Storage Tank Other Facilities List
A list of Oklahoma facilities that are not associated with any registered tanks (i.e., historical facilities, brand new facilities awaiting tank installation, etc).

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Oklahoma Corporation Commission
Telephone: 405-522-4640
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Sites
Sites with institutional controls in place.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

VCP: Voluntary Cleanup Site Inventory
Investigations and cleanups by groups or individuals participating in the Voluntary Cleanup Program (VCP).

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 02/01/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

SCAP: Site Cleanup Assistance program Listing
SCAP remediates abandoned hazardous waste sites and closed armories and provides other cleanup assistance to public entities around the state.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 405-702-5138
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfield Sites

Brownfields are defined by Oklahoma law as abandoned, idled or under used industrial or commercial facilities or other real property at which expansion or redevelopment of the real property is complicated by environmental contamination caused by regulated substances. This program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/07/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/10/2012
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

BROWNFIELDS 2: Brownfields Public Record Listing

The Brownfields program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/06/2024
Number of Days to Update: 89

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facility locations.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/04/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Underground Storage Tank List, List II Version
This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

Date of Government Version: 03/21/2003
Date Data Arrived at EDR: 04/28/2003
Date Made Active in Reports: 05/27/2003
Number of Days to Update: 29

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

OK COMPLAINT: Oklahoma Complaint System Database

Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 06/30/2023
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/07/2024
Number of Days to Update: 83

Source: Oklahoma Conservation Commission
Telephone: 405-521-4828
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Annually

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/29/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2024
Date Data Arrived at EDR: 04/19/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Contamination Site Location Listing
A listing of sites where PFAS contaminants has been detected to date.

Date of Government Version: 10/01/2022
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/28/2023
Number of Days to Update: 77

Source: Department of Environment Quality
Telephone: 405-702-5100
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

AIRS: Permitted AIRS Facility Listing
A listing of permitted AIRS facility locations.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-4100
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification
Asbestos project site locations

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 84

Source: Department of Labor
Telephone: 405-521-6467
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaner facility locations.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-9100
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing
Financial Assurance information.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 11/06/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 405-702-5105
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

FIN ASSURANCE 2: Financial Assurance Information Listing
Financial Assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/10/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 01/24/2014
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-1000
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

UIC: Underground Injection Wells Database Listing
Class I injection wells. CLASS I wells are used to inject liquid hazardous and non-hazardous wastes beneath the lower most Underground Sources of Drinking Water (USDW).

Date of Government Version: 12/15/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 03/29/2024
Number of Days to Update: 78
Source: Department of Environmental Quality
Telephone: 405-702-5188
Last EDR Contact: 04/10/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79
Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System
EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49
Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106
Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT
The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62
Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Oklahoma Corporation Commission in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Oklahoma Corporation Commission
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers

Source: Department of Human Services
Telephone: 405-521-3561

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

Kaw Pipeline
Kaw Pipeline
Pawhuska, OK 74056

Inquiry Number: 7696907.5s
July 01, 2024

EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

KAW PIPELINE
PAWHUSKA, OK 74056

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

STANDARD ENVIRONMENTAL RECORDS

Federal ERNS list

ERNS: Emergency Response Notification System

A review of the ERNS list, as provided by EDR, and dated 03/13/2024 has revealed that there are 2 ERNS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
Not reported NRC Report #: 1151728 Incident Date Time: 2016-06-22 16:00:00	SEE LAT & LONG	A2 / 22	64
Not reported NRC Report #: 1164444 Incident Date Time: 2016-11-12 15:30:00	SEE LAT/LONG	4 / 22	66

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

COMPLAINT: Oklahoma Complaint System Database

A review of the COMPLAINT list, as provided by EDR, and dated 06/30/2023 has revealed that there is 1

EXECUTIVE SUMMARY

COMPLAINT site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
Not reported		A3 / 22	64

Other Ascertainable Records

ICIS: Integrated Compliance Information System

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OS2071 - WELL NO. 1S FRS ID:: 110016670164	***SE/4, SEC. 27, T26N,***	***1 / 27***	***62***

INDIAN RESERV: Indian Reservations

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 INDIAN RESERV site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OSAGE RESERVATION		Region / **********	62

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 02/09/2024 has revealed that there is 1 FINDS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OS2071 - WELL NO. 1S Registry ID:: 110016670164	***SE/4, SEC. 27, T26N,***	***1 / 27***	***62***

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Listing

A review of the UST list, as provided by EDR, and dated 03/05/2024 has revealed that there are 3 UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK STORE Facility Id: 5711219 TankStatus: POU	***20501 E HWY 60***	***S 0 - 1/8 (0.014 mi.)***	***B7 / 24***	***68***
MIDWAY STORE Facility Id: 5757150 TankStatus: POU	13091 HWY 60	S 0 - 1/8 (0.035 mi.)	9 / 5	71
LIEBER'S TEXACO Facility Id: 5709127 TankStatus: POU	***ADDRESS UNKNOWN***	***NNE 1/8 - 1/4 (0.171 mi.)***	***D14 / 20***	***75***

AST: Aboveground Storage Tanks

A review of the AST list, as provided by EDR, and dated 03/05/2024 has revealed that there is 1 AST site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK STORE Facility Id: 5711219 Tank Status: POU	20501 E HWY 60	S 0 - 1/8 (0.014 mi.)	B6 / 24	68

TANKS: Petroleum Storage Tank Other Facilities List

A review of the TANKS list, as provided by EDR, and dated 03/05/2024 has revealed that there are 5 TANKS sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
DON GALLOWAY	RED EAGLE RT, 14 MI	S 0 - 1/8 (0.059 mi.)	11 / 22	74
GEORGE W BRANUM GIBB	RED EAGLE RT 1/4 MI	SE 0 - 1/8 (0.065 mi.)	12 / 27	74
JOHN COBLE PHILLIPS	4 MI E HWY 60	S 0 - 1/8 (0.068 mi.)	C13 / 20	75
HISTORICAL FACILITY	HWY 60 WEST (N SIDE	NNE 1/8 - 1/4 (0.185 mi.)	D15 / 20	77
HAROLD MCGOWEN PHILL	HWY 60 W IN TOWN	NNE 1/8 - 1/4 (0.196 mi.)	D16 / 20	78

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: Underground Storage Tank List, List II Version

A review of the HIST UST list, as provided by EDR, and dated 03/21/2003 has revealed that there are 2

HIST UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK STORE	***20501 E HWY 60***	***S 0 - 1/8 (0.014 mi.)***	***B7 / 24***	***68***
Facility Id: 5711219 Tank Status: Currently In Use Tank Status: Temporarily Out of Use				
LIEBER'S TEXACO	***ADDRESS UNKNOWN***	***NNE 1/8 - 1/4 (0.171 mi.)***	***D14 / 20***	***75***
Facility Id: 5709127 Tank Status: Permanently Out of Use				

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/03/2024 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
AMERICAN TEL & TEL C EPA ID:: OKD980598742	HWY 60 7M E H18	S 0 - 1/8 (0.052 mi.)	C10 / 20	72

US MINES: Mines Master Index File

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK MATERIALS LL	OLD HWY 60 / CR 4030	NNE 1/8 - 1/4 (0.225 mi.)	17 / 20	78
Database: US MINES, Date of Government Version: 02/05/2024 Database: MINES VIOLATIONS, Date of Government Version: 01/02/2024 Mine ID:: 3402088				

UST FINDER: UST Finder Database

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK STORE	20501 E HWY 60	S 0 - 1/8 (0.014 mi.)	B5 / 24	66

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto

site within approximately 0.125 miles of the requested target property.

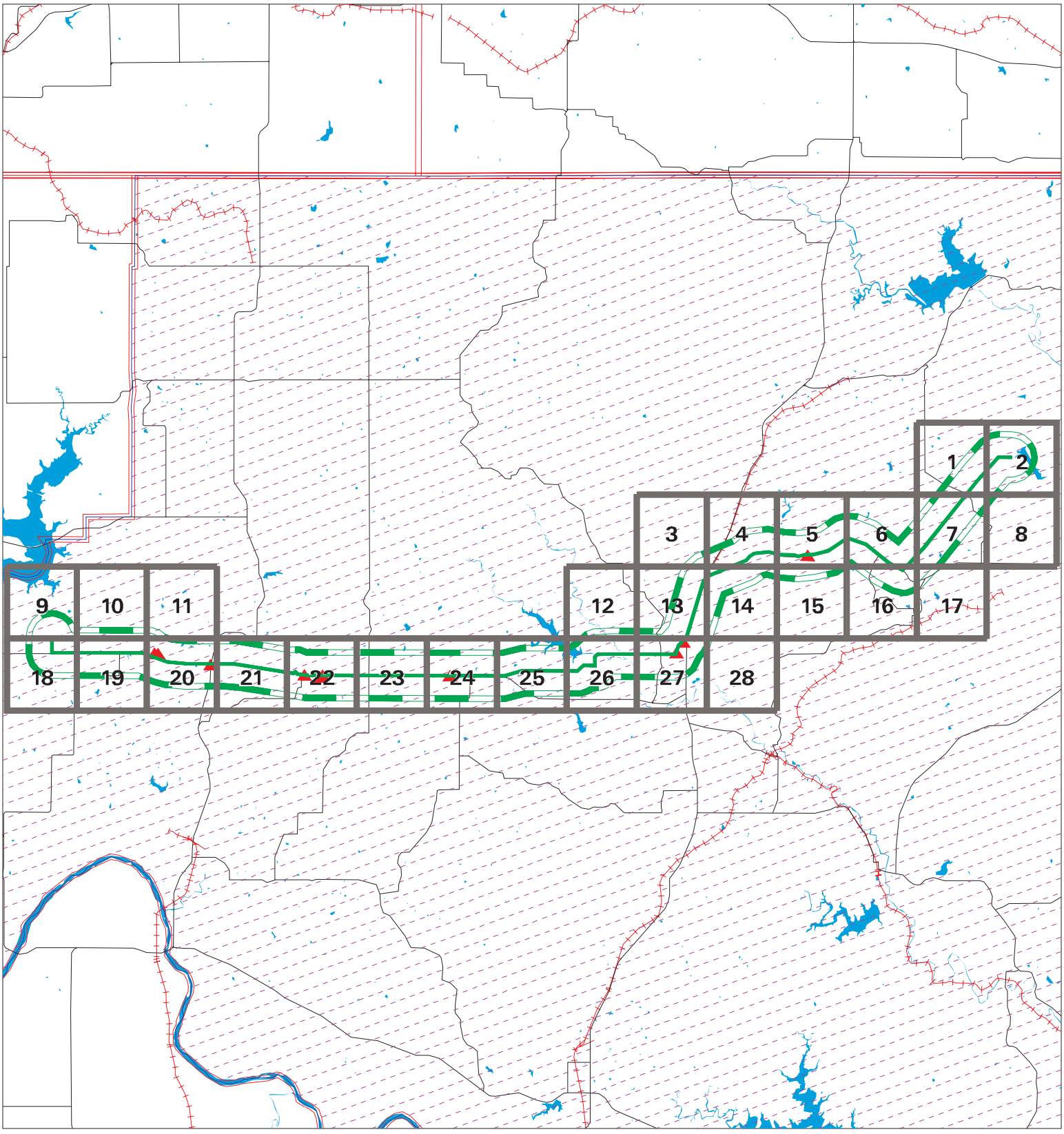
Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BURBANK GENERAL	20501 E HIGHWAY 60	S 0 - 1/8 (0.014 mi.)	B8 / 24	71

MAPPED SITES SUMMARY

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / **********	OSAGE RESERVATION		INDIAN RESERV	TP
1 / 27	OS2071 - WELL NO. 1S	SE/4, SEC. 27, T26N,	ICIS, FINDS	TP
A2 / 22		SEE LAT & LONG	ERNS	TP
A3 / 22			COMPLAINT	TP
4 / 22		SEE LAT/LONG	ERNS	TP
B5 / 24	BURBANK STORE	20501 E HWY 60	UST FINDER	76 0.014 South
B6 / 24	BURBANK STORE	20501 E HWY 60	AST	76 0.014 South
B7 / 24	BURBANK STORE	20501 E HWY 60	UST, HIST UST	76 0.014 South
B8 / 24	BURBANK GENERAL	20501 E HIGHWAY 60	EDR Hist Auto	76 0.014 South
9 / 5	MIDWAY STORE	13091 HWY 60	UST	185 0.035 South
C10 / 20	AMERICAN TEL & TEL C	HWY 60 7M E H18	RCRA NonGen / NLR	274 0.052 South
11 / 22	DON GALLOWAY	RED EAGLE RT, 14 MI	TANKS	312 0.059 South
12 / 27	GEORGE W BRANUM GIBB	RED EAGLE RT 1/4 MI	TANKS	342 0.065 SE
C13 / 20	JOHN COBLE PHILLIPS	4 MI E HWY 60	TANKS	357 0.068 South
D14 / 20	LIEBER'S TEXACO	ADDRESS UNKNOWN	UST, HIST UST	902 0.171 NNE
D15 / 20	HISTORICAL FACILITY	HWY 60 WEST (N SIDE	TANKS	979 0.185 NNE
D16 / 20	HAROLD MCGOWEN PHILL	HWY 60 W IN TOWN	TANKS	1034 0.196 NNE
17 / 20	BURBANK MATERIALS LL	OLD HWY 60 / CR 4030	US MINES	1189 0.225 NNE

Key Map - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 5 10 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24 6:42 PM

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP	2	NR	NR	NR	NR	NR	2
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	1	NR	NR	NR	3
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		3	2	NR	NR	NR	5
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
SCAP	TP		NR	NR	NR	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
COMPLAINT	TP	1	NR	NR	NR	NR	NR	1
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000	1	0	0	0	0	NR	1
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	1	NR	NR	NR	1
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
PFAS PROJECT	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		1	0	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		6	10	5	0	0	0	21

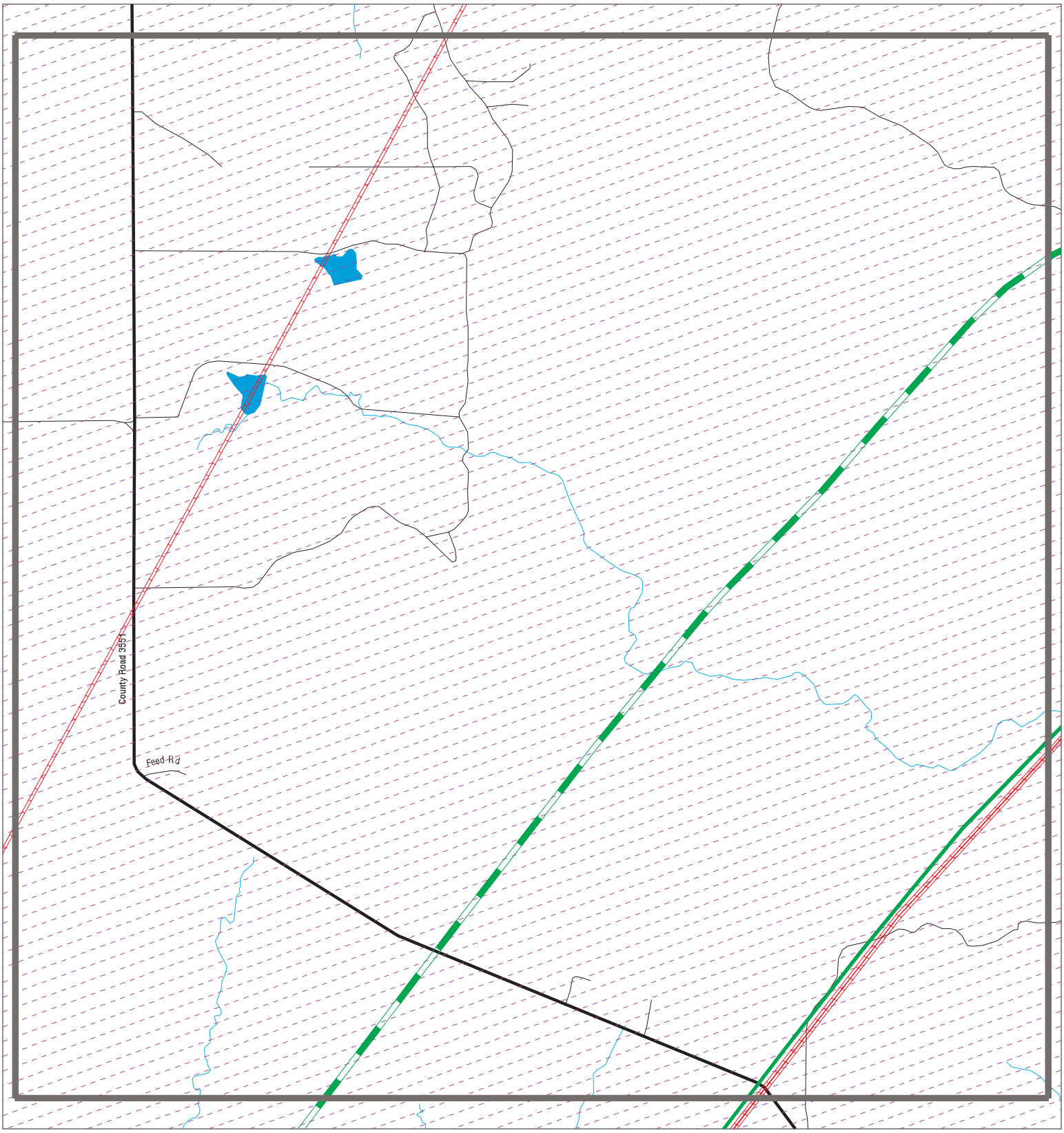
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

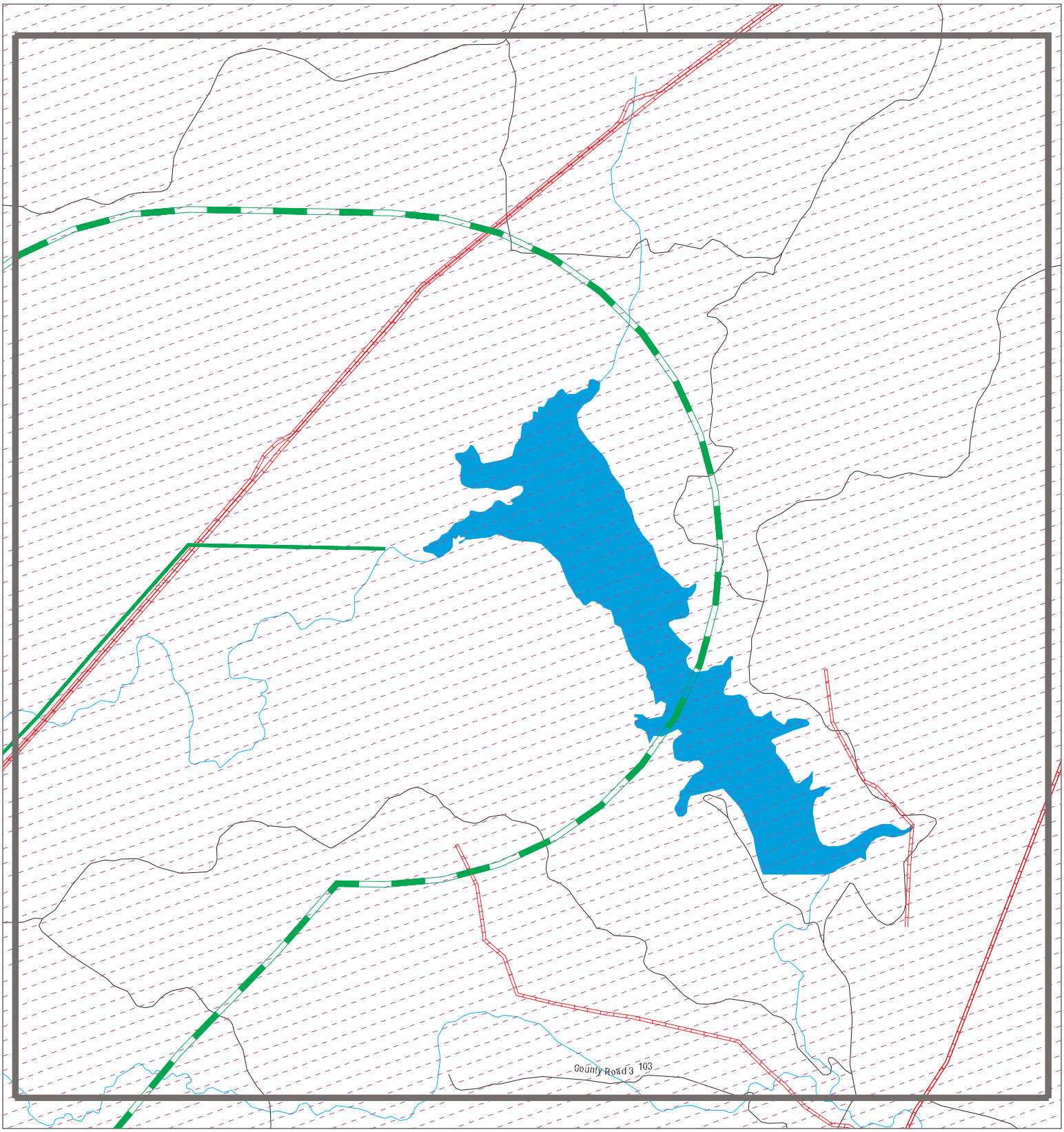
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 2 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

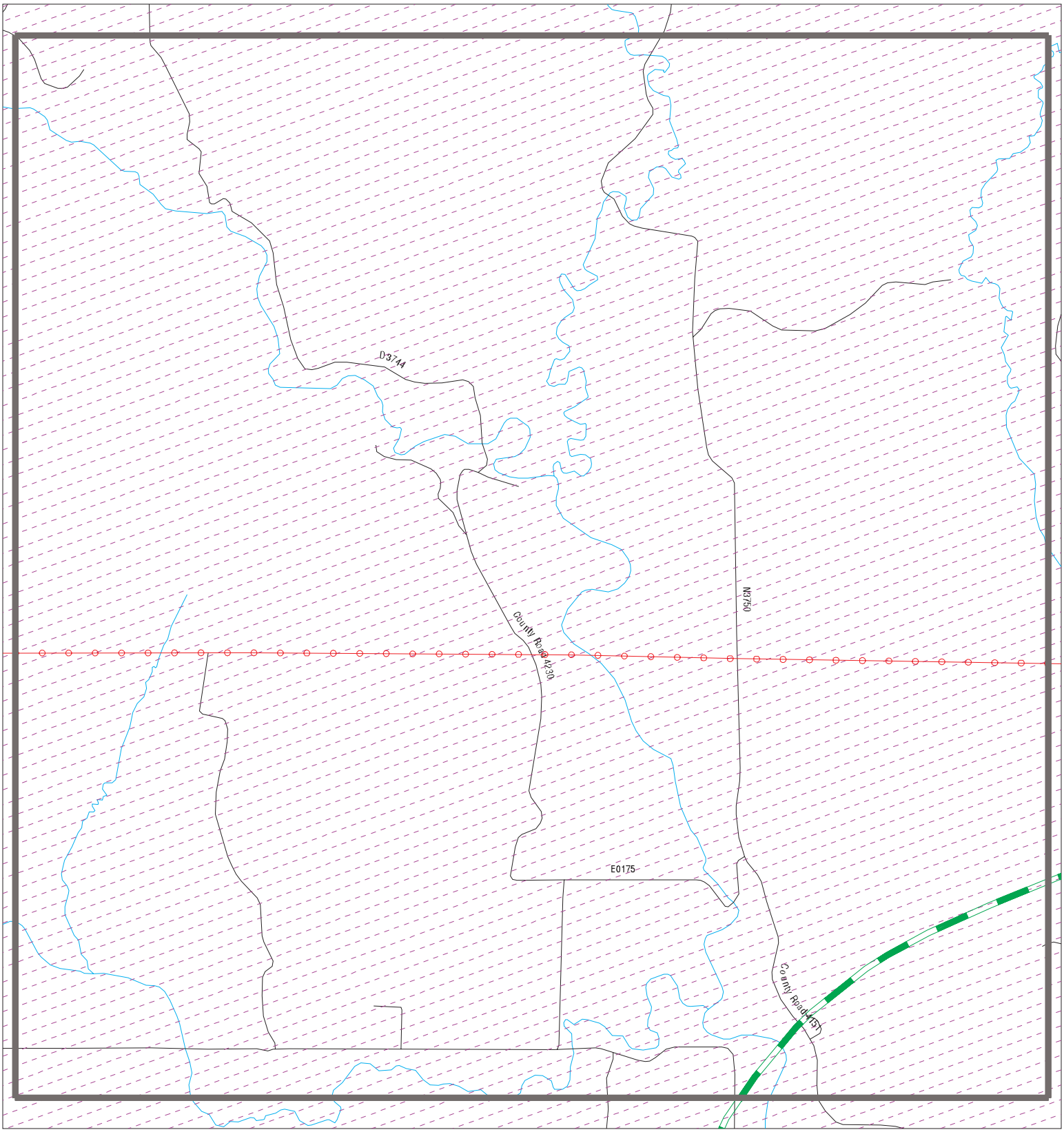
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 3 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

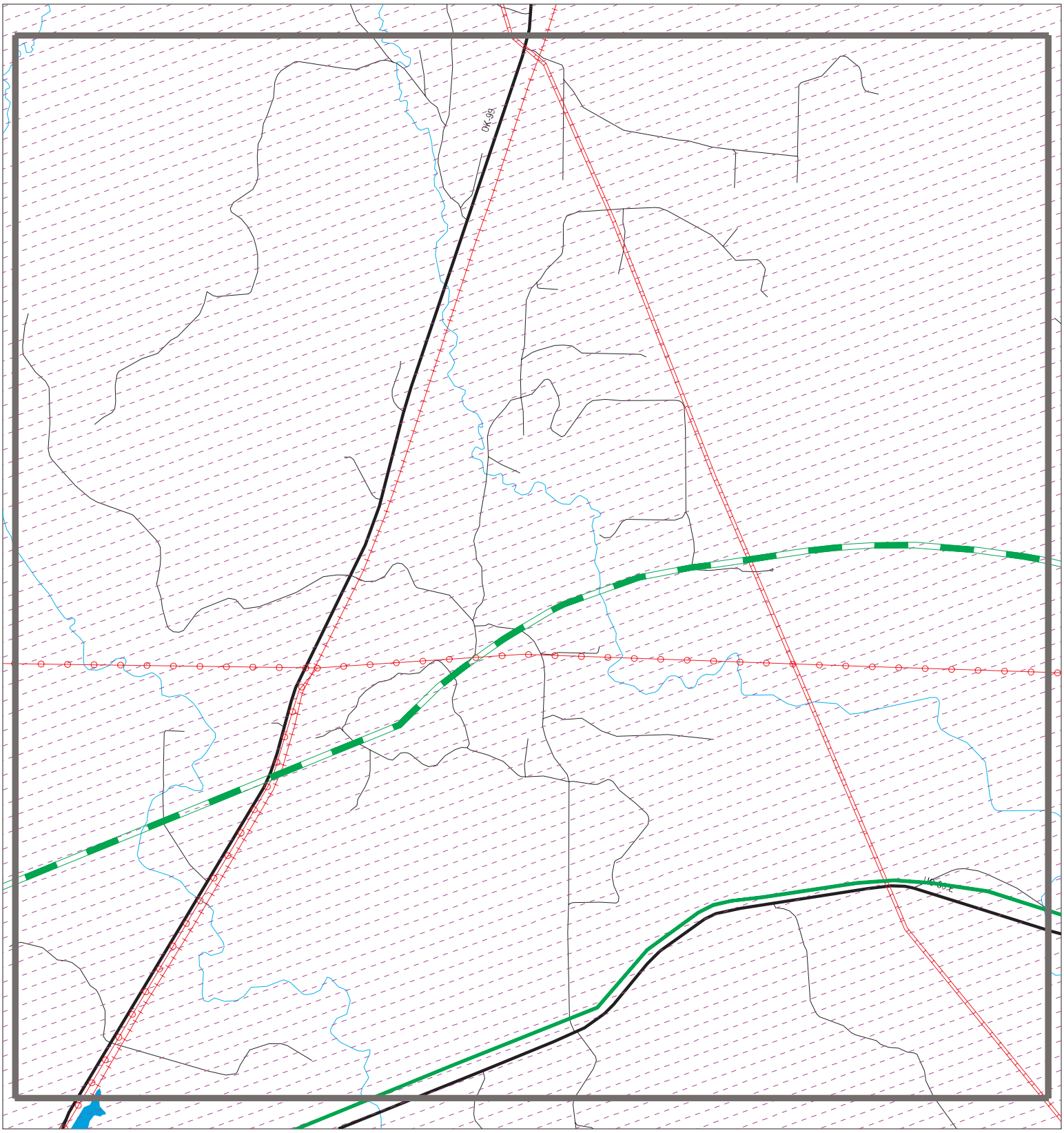
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 4 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

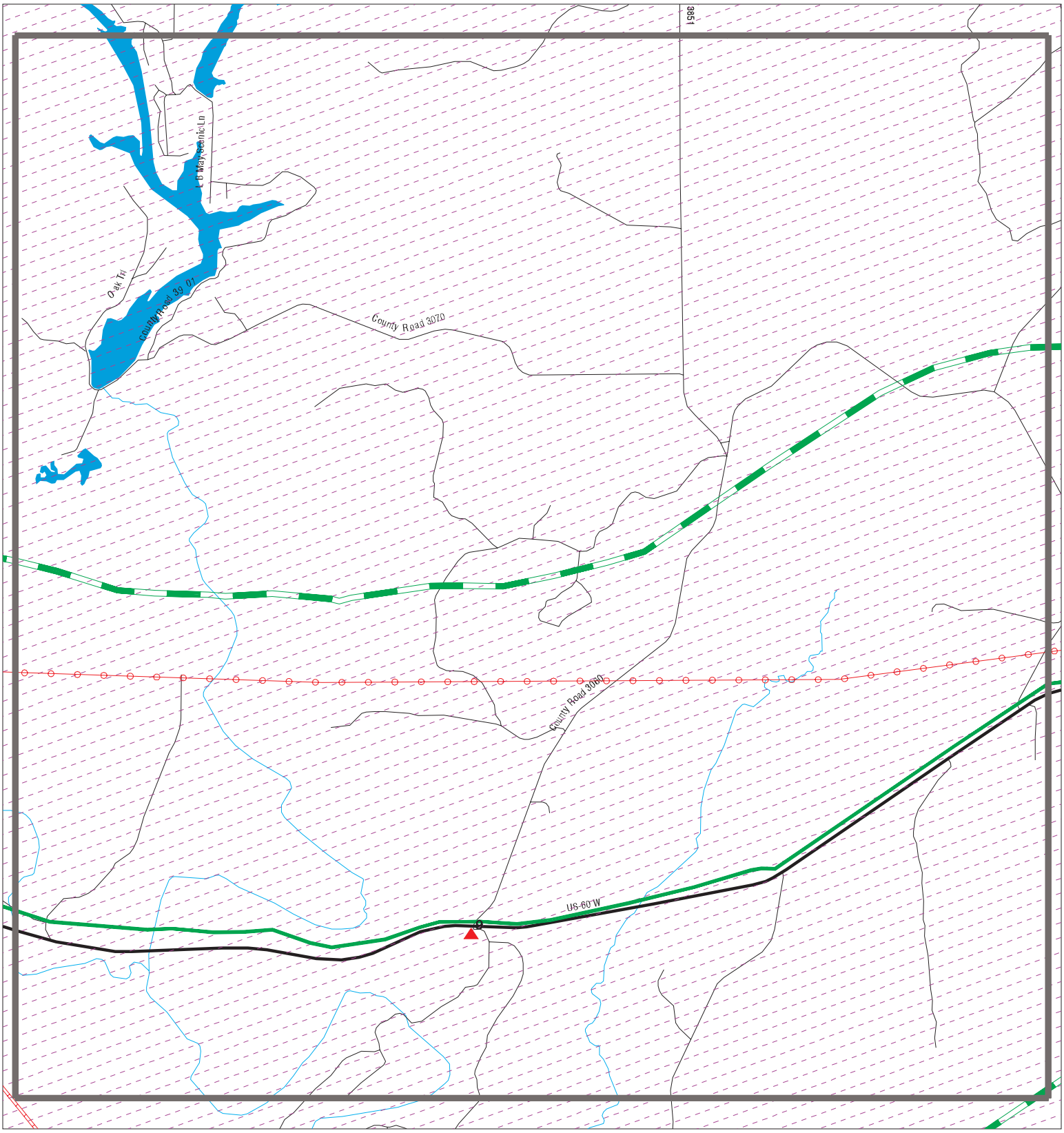
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 5 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

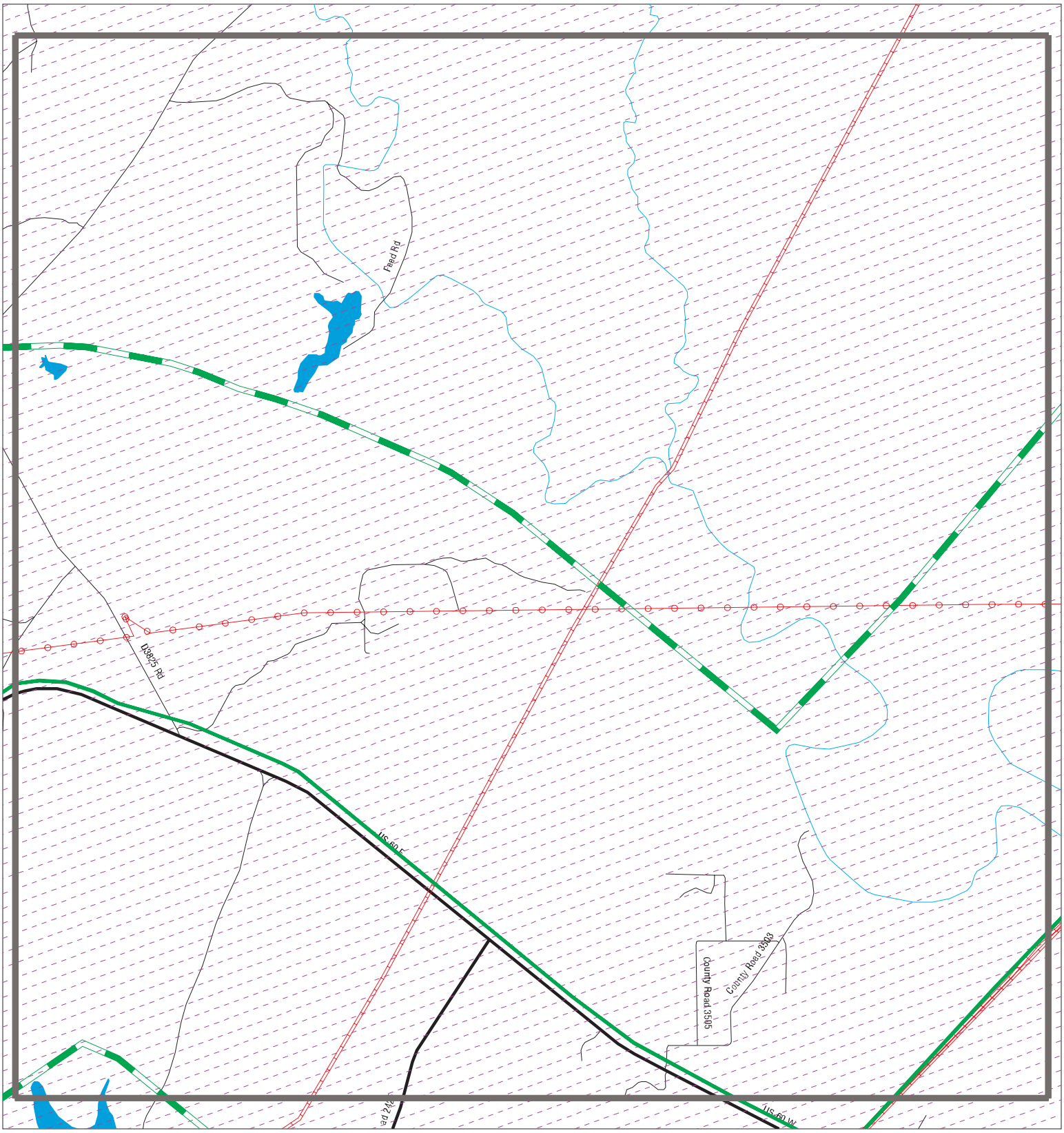
SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
9 / 5	MIDWAY STORE	13091 HWY 60	UST	185 0.035 South

Focus Map - 6 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

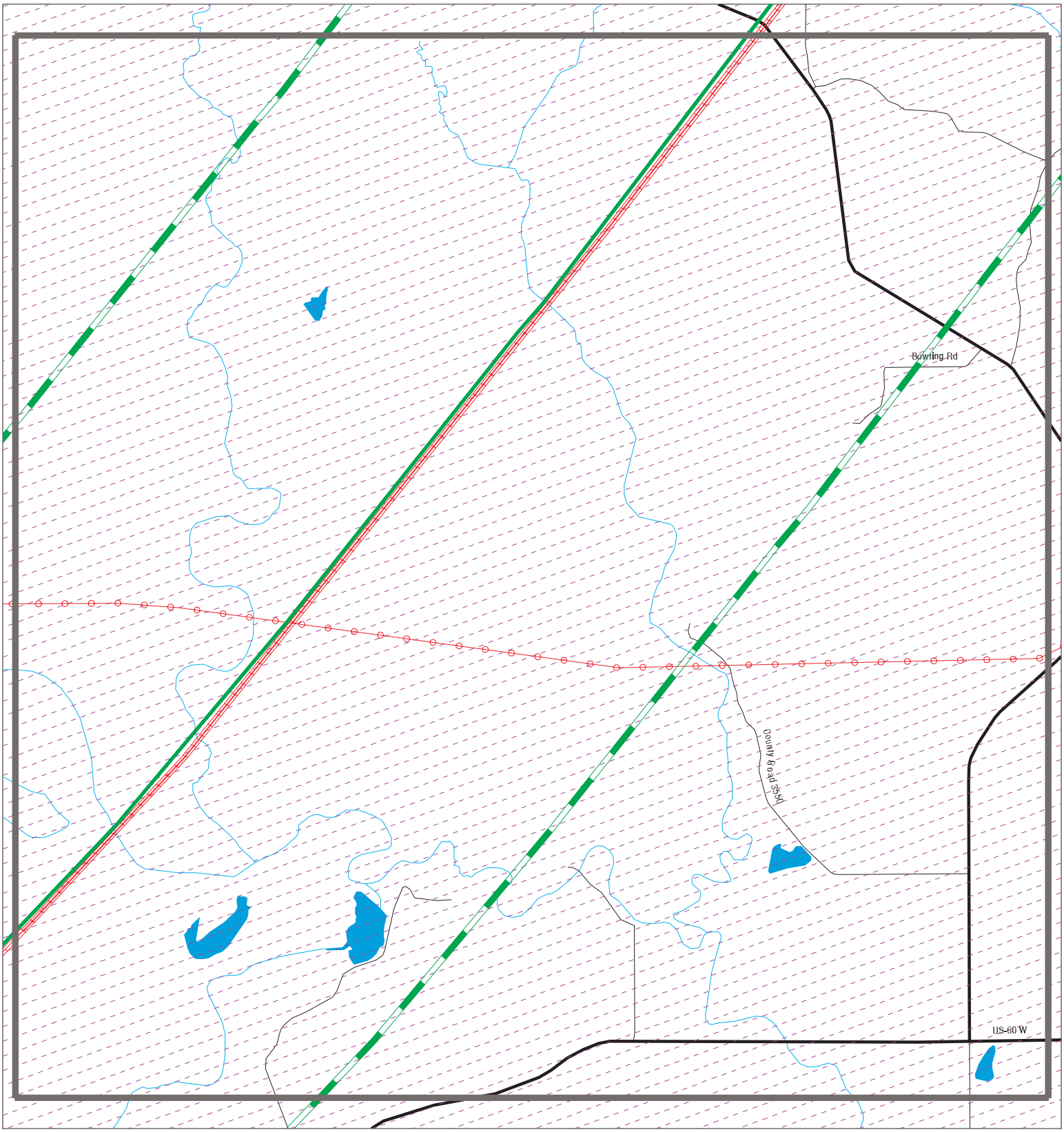
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 7 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

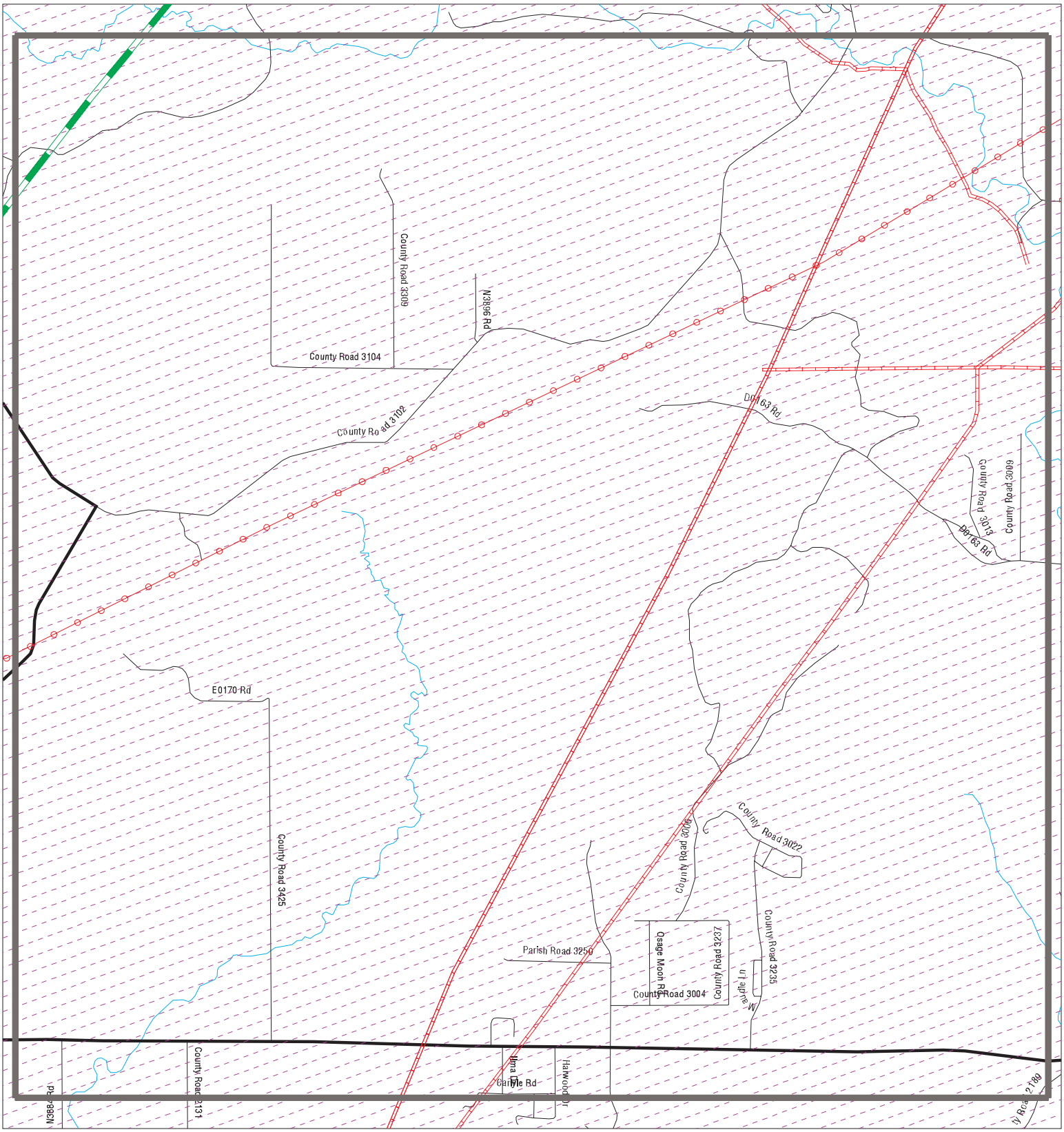
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 7696907.5s



- Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- Power Line
- Pipe Line
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

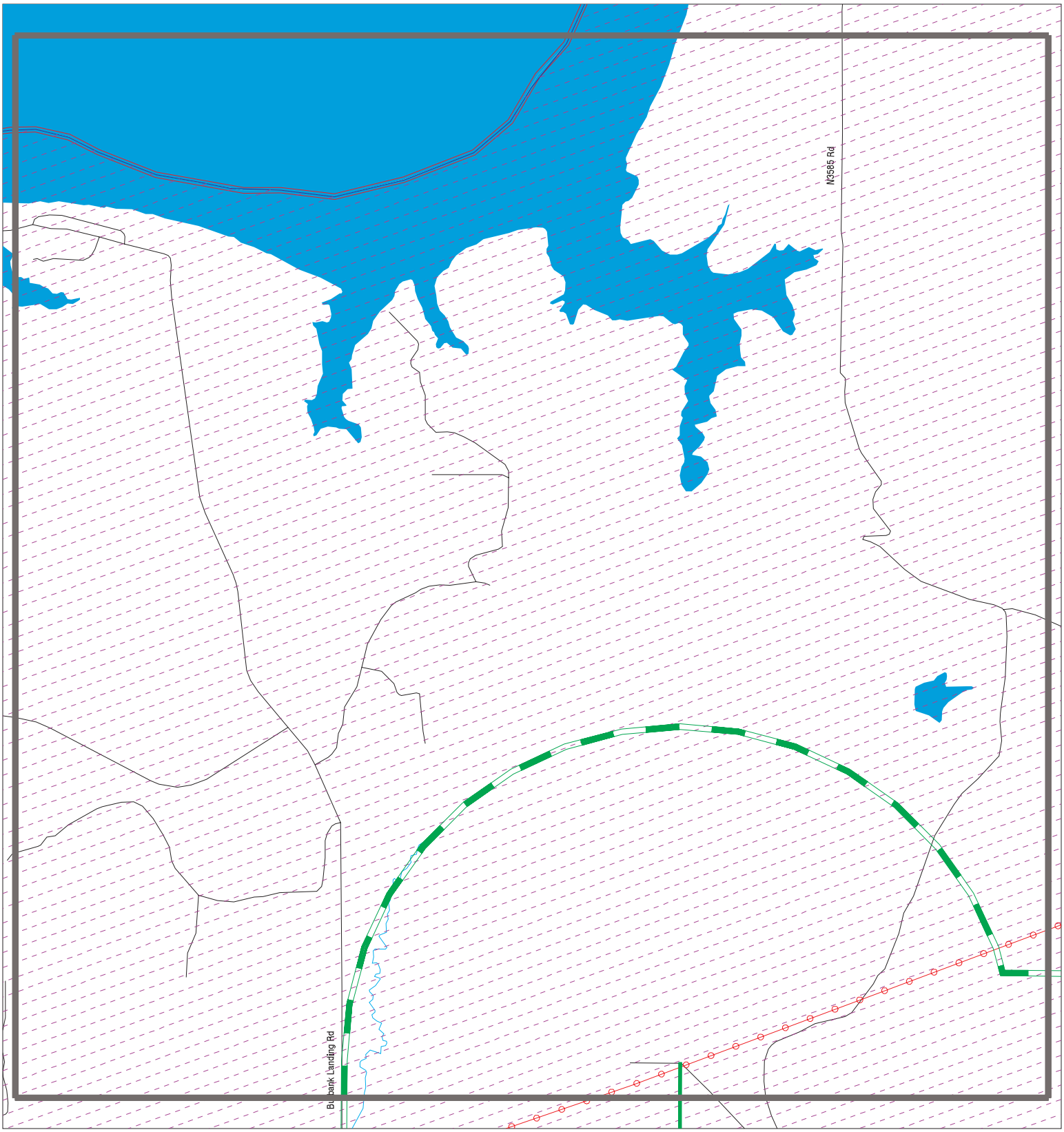
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 9 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

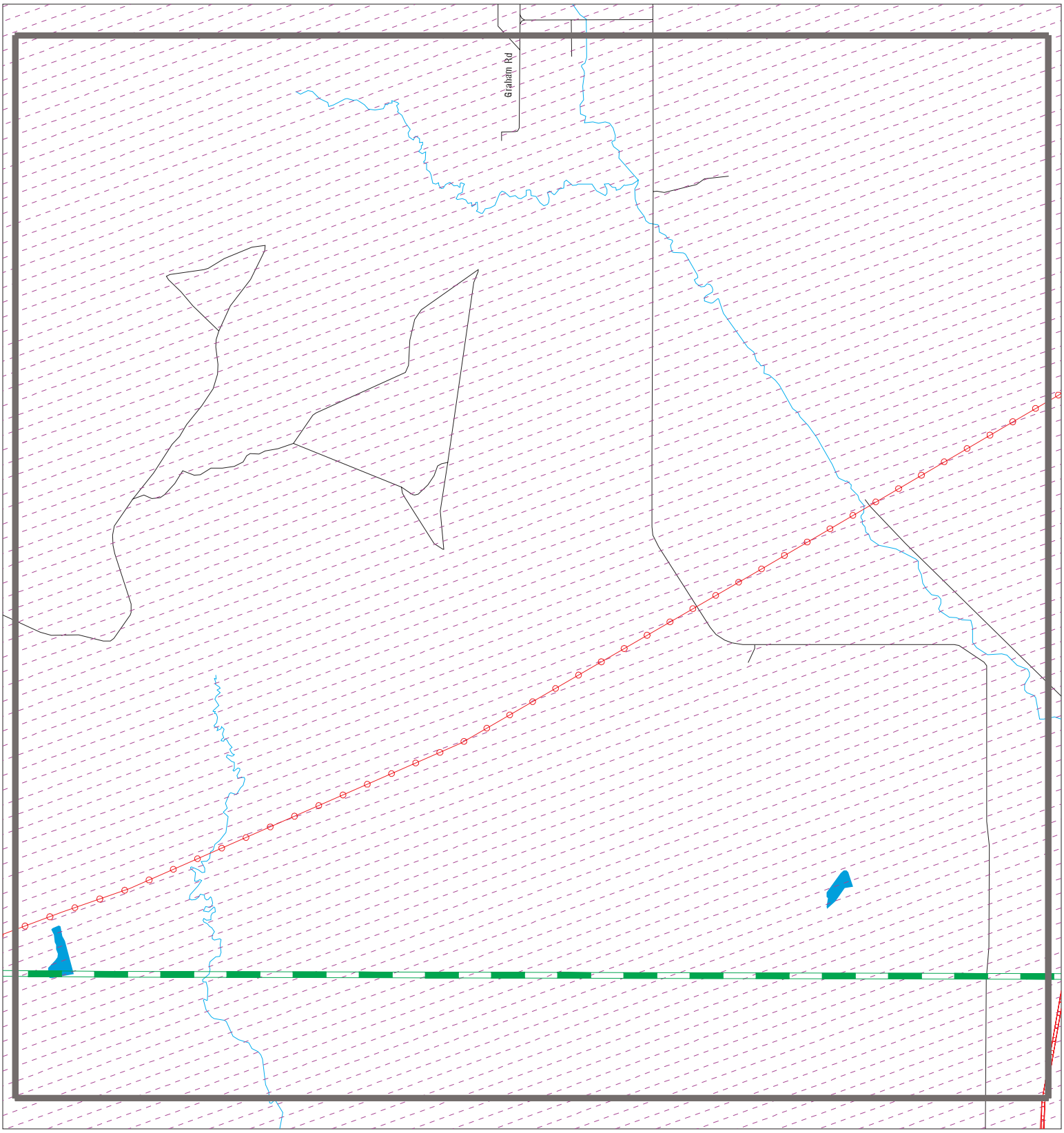
MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 10 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

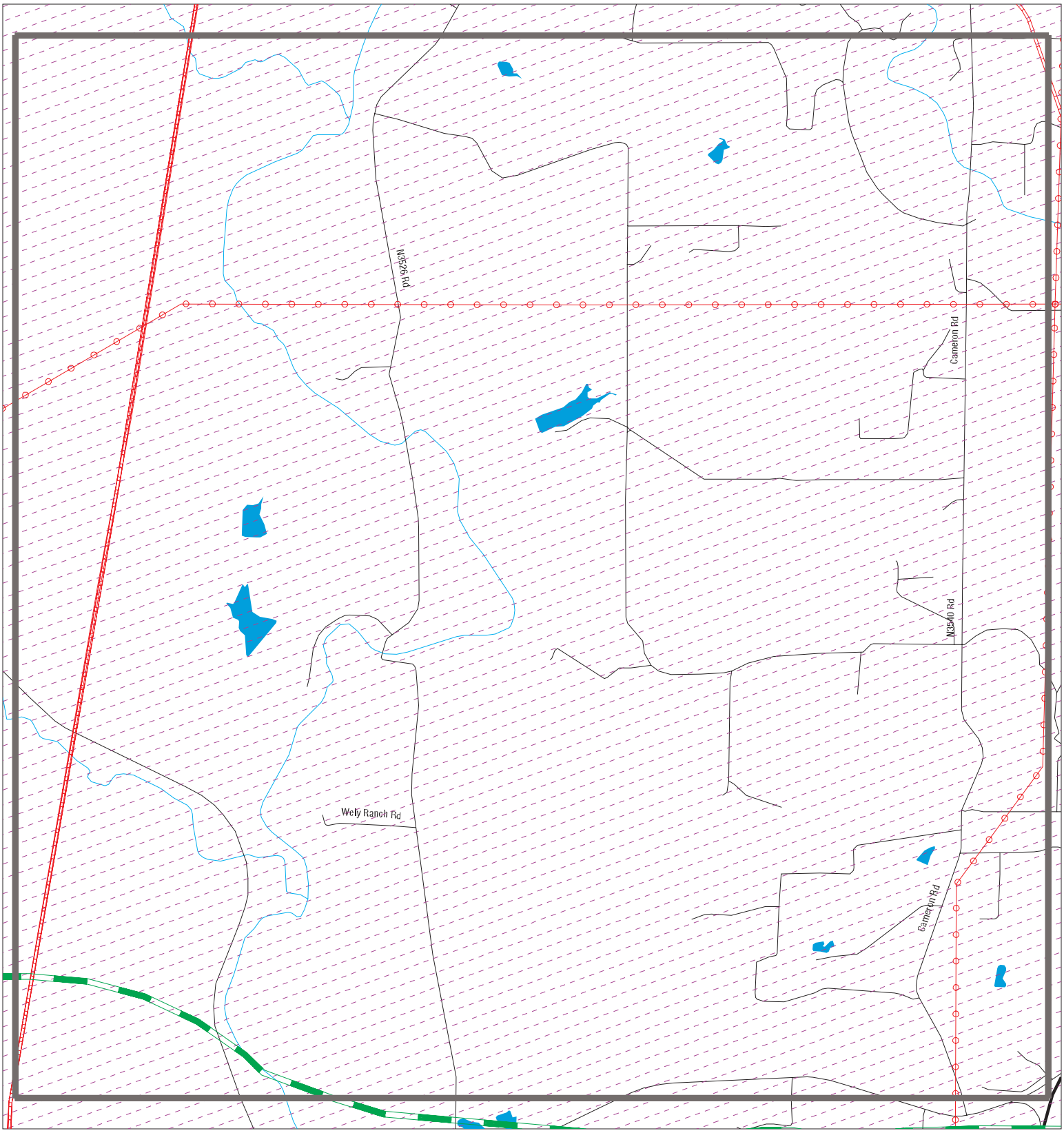
MAPPED SITES SUMMARY - FOCUS MAP 10

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 11 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

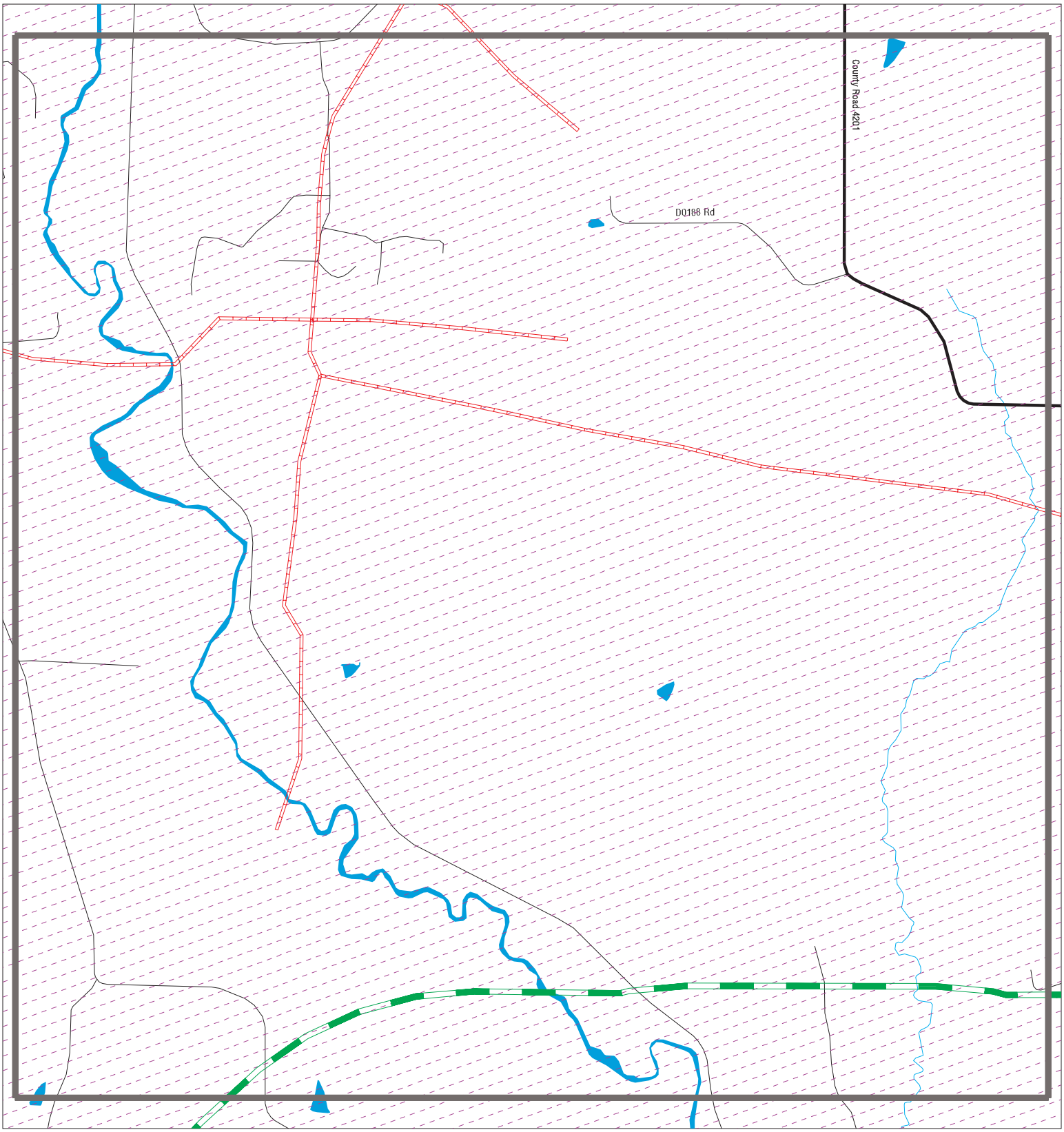
MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 12 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

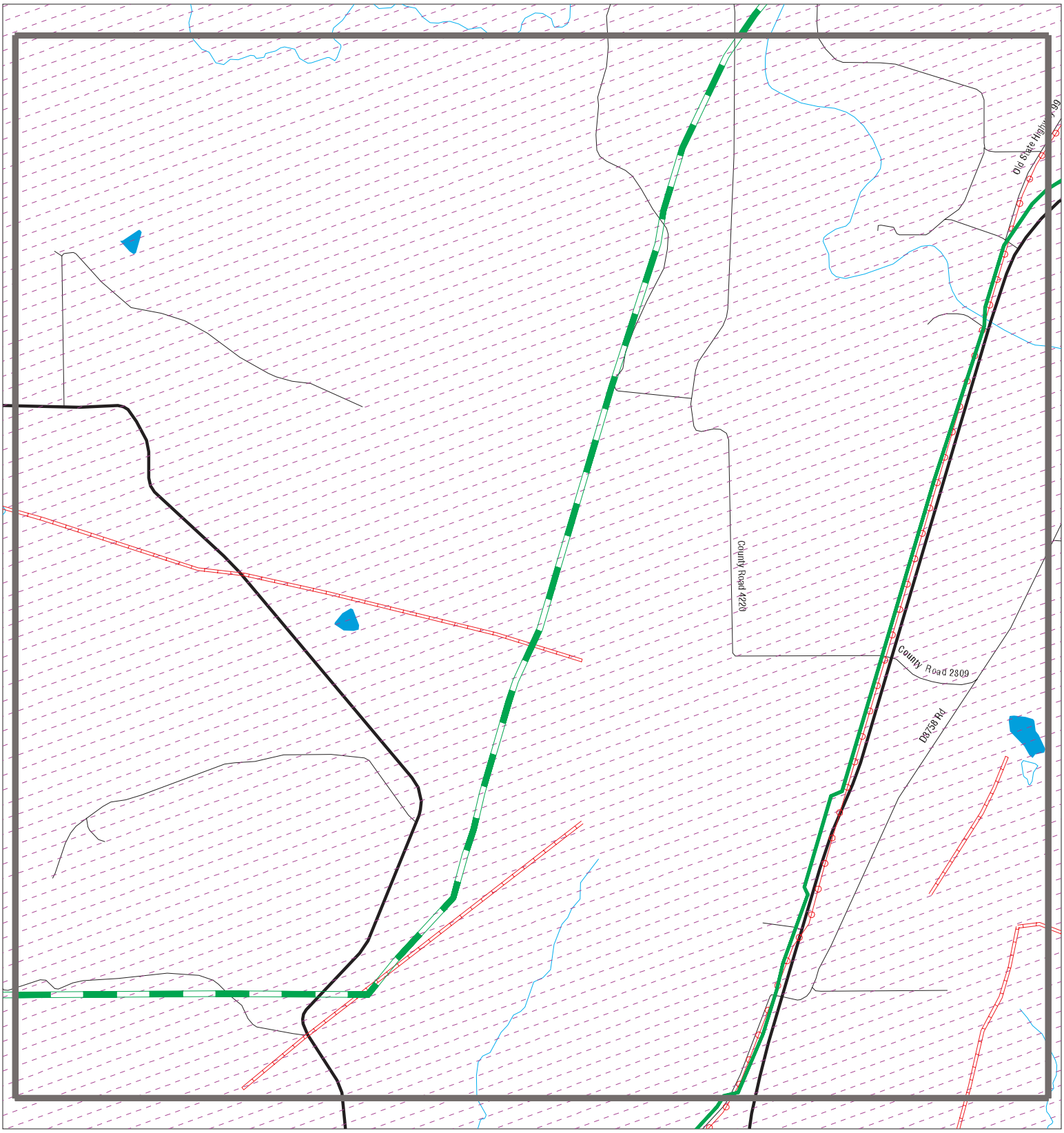
MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 13 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

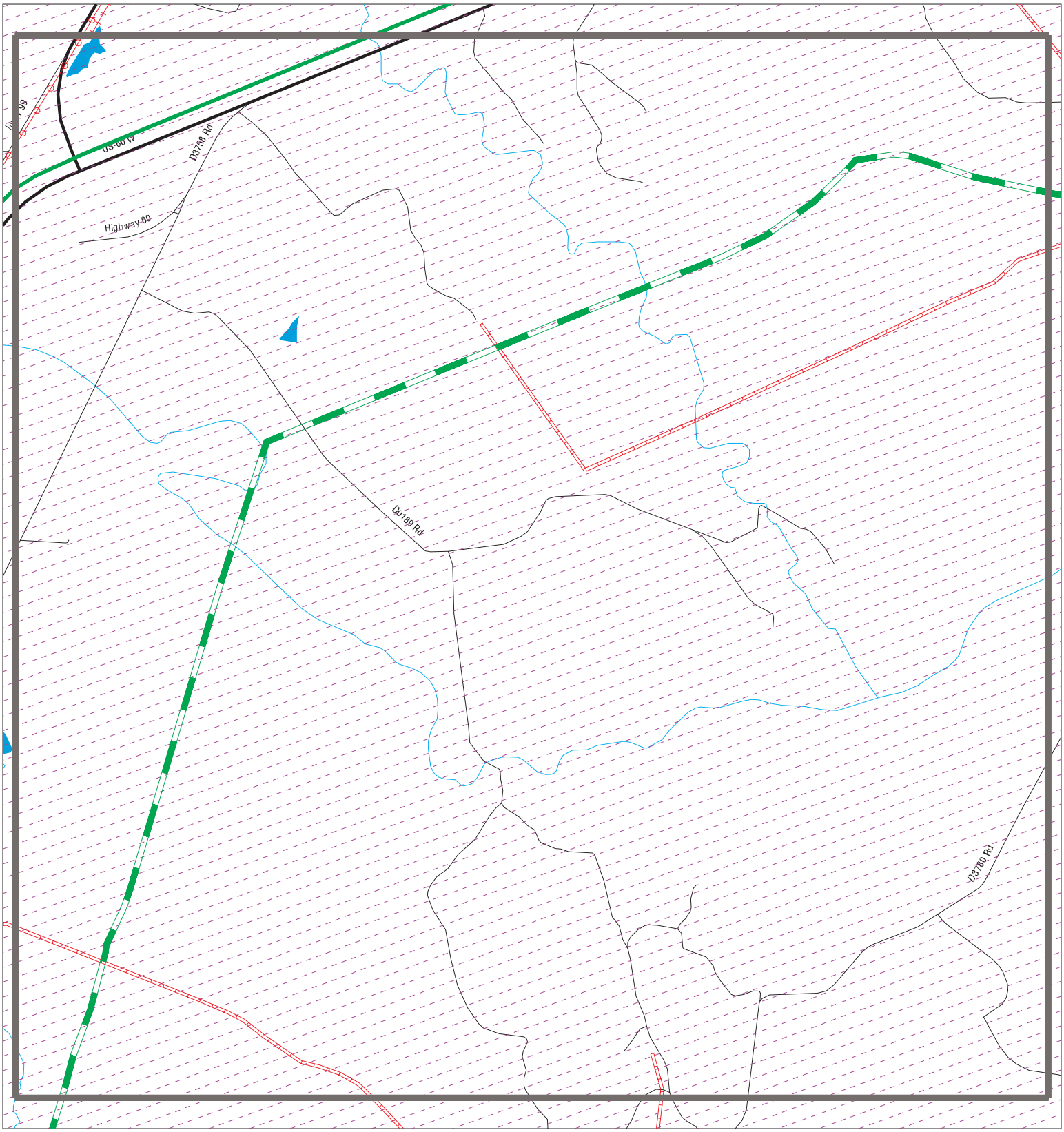
MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 14 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

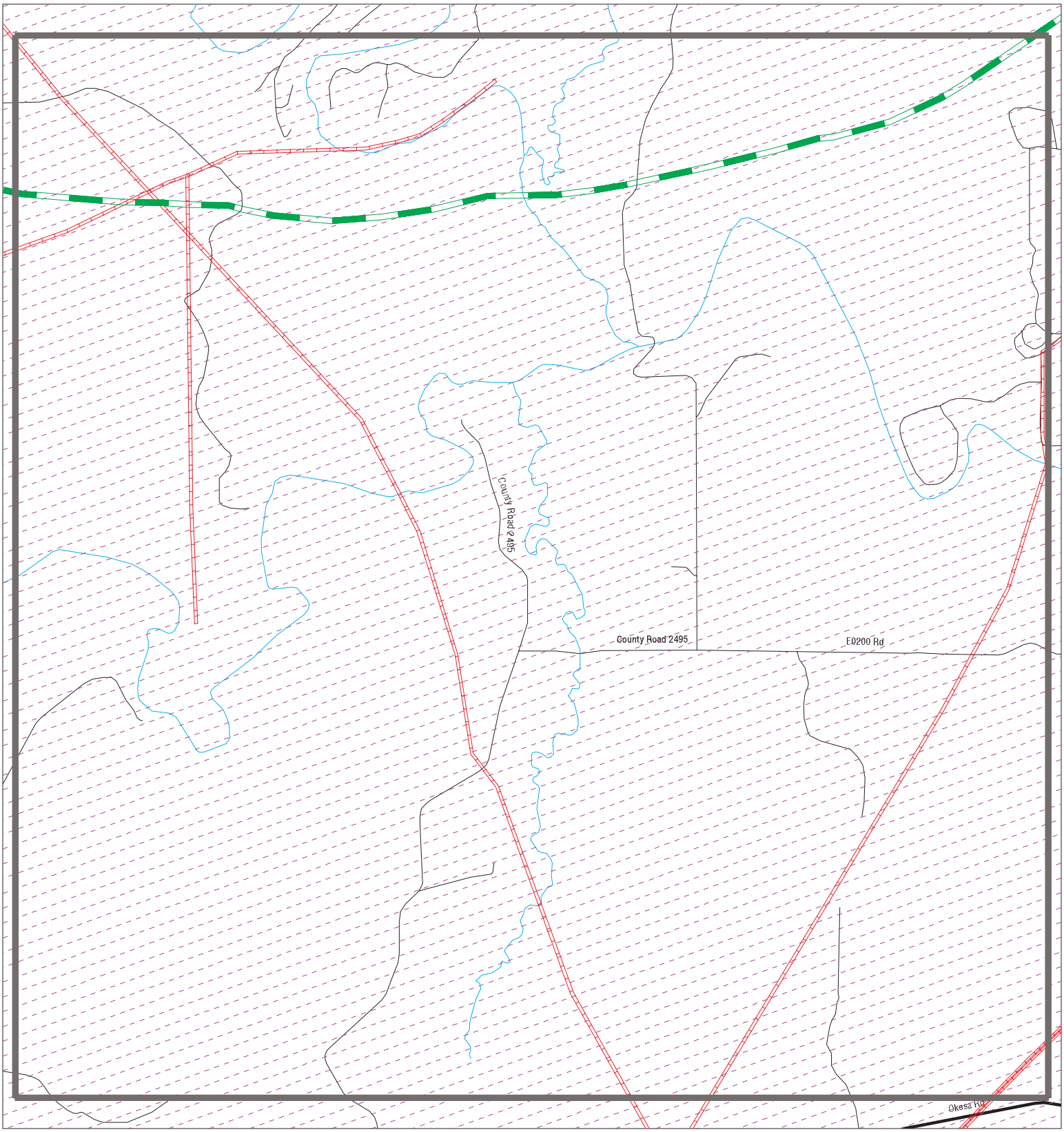
MAPPED SITES SUMMARY - FOCUS MAP 14

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 15 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

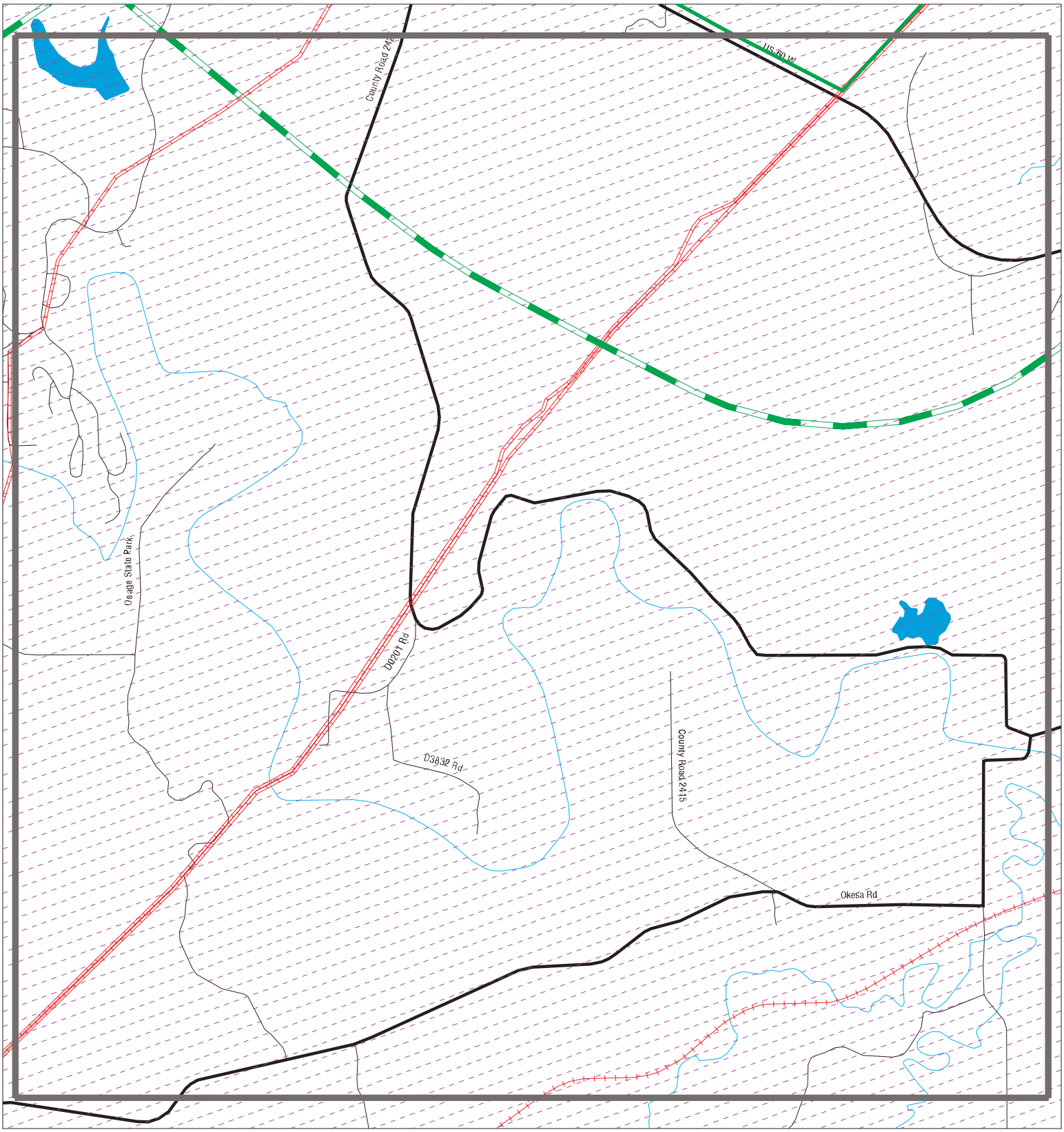
MAPPED SITES SUMMARY - FOCUS MAP 15

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 16 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

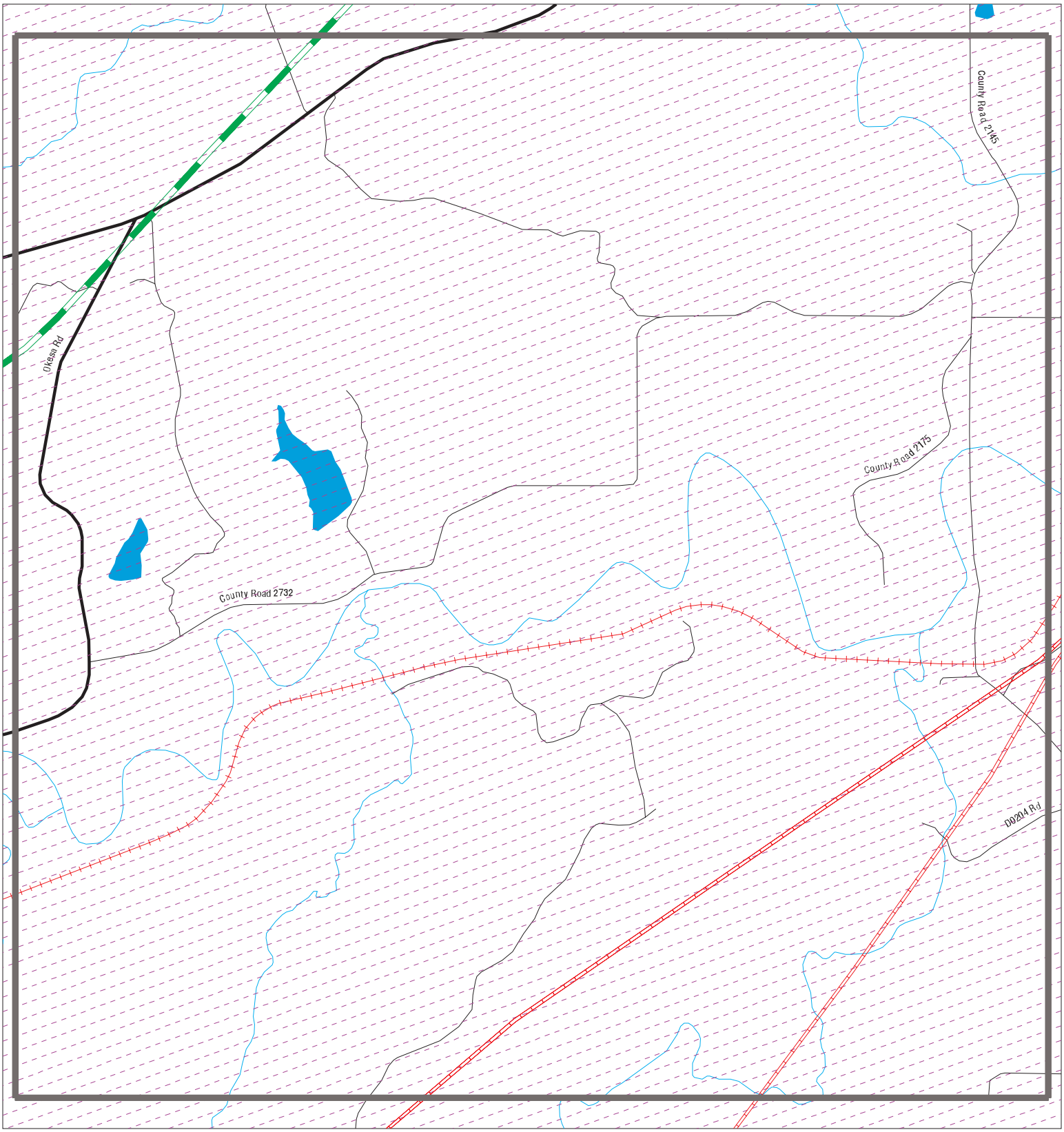
MAPPED SITES SUMMARY - FOCUS MAP 16

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 17 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

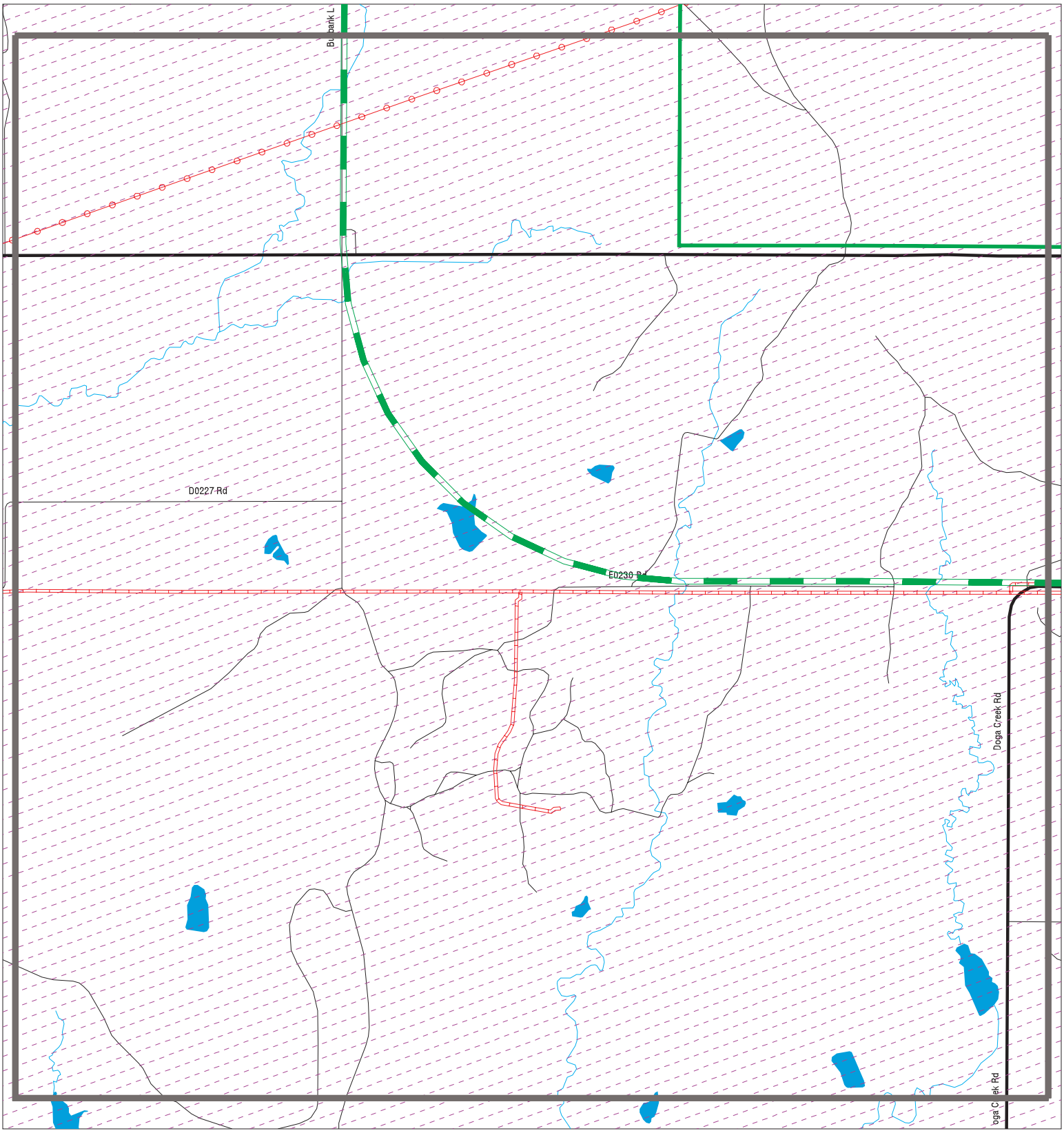
MAPPED SITES SUMMARY - FOCUS MAP 17

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 18 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

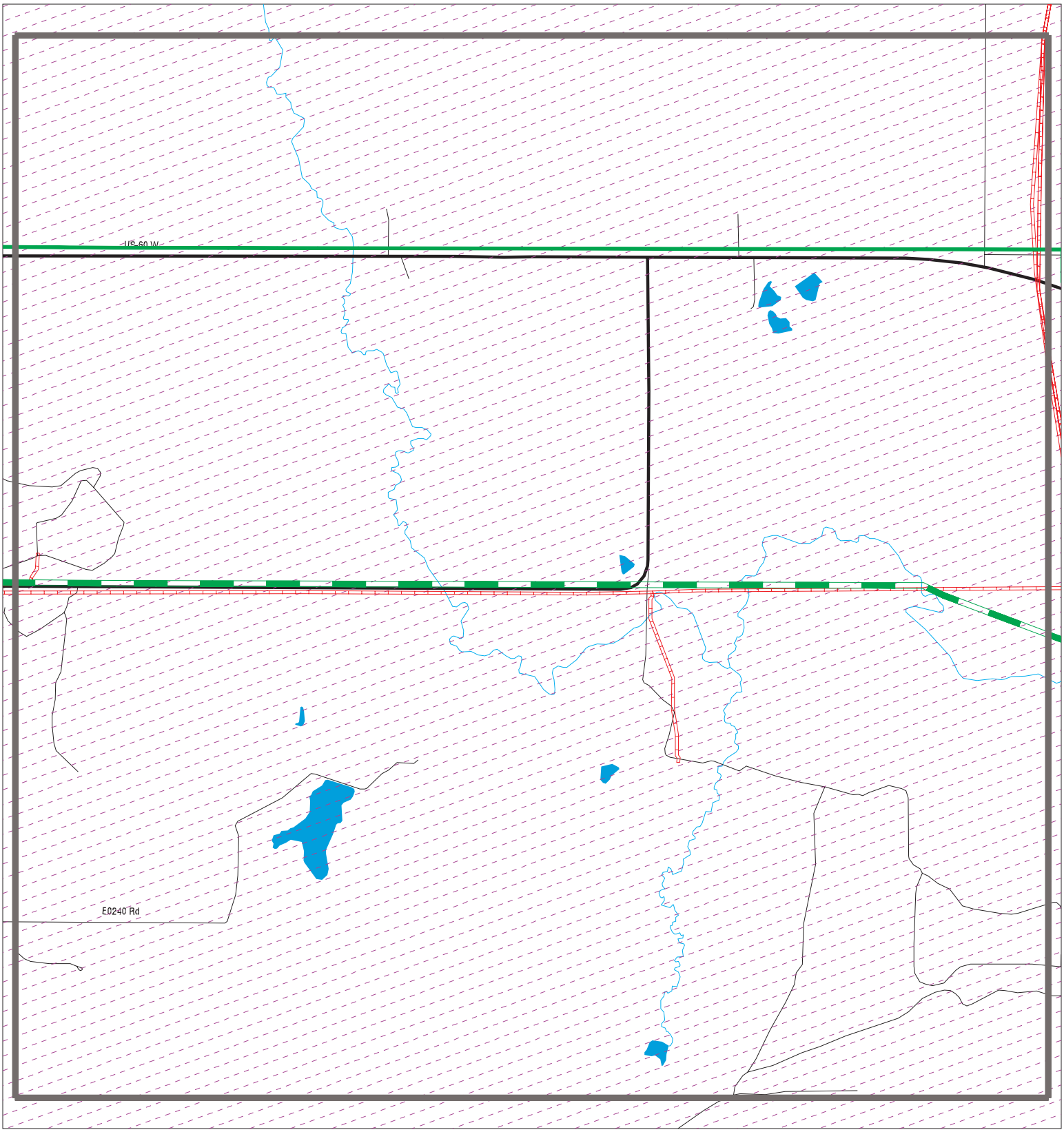
MAPPED SITES SUMMARY - FOCUS MAP 18

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 19 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

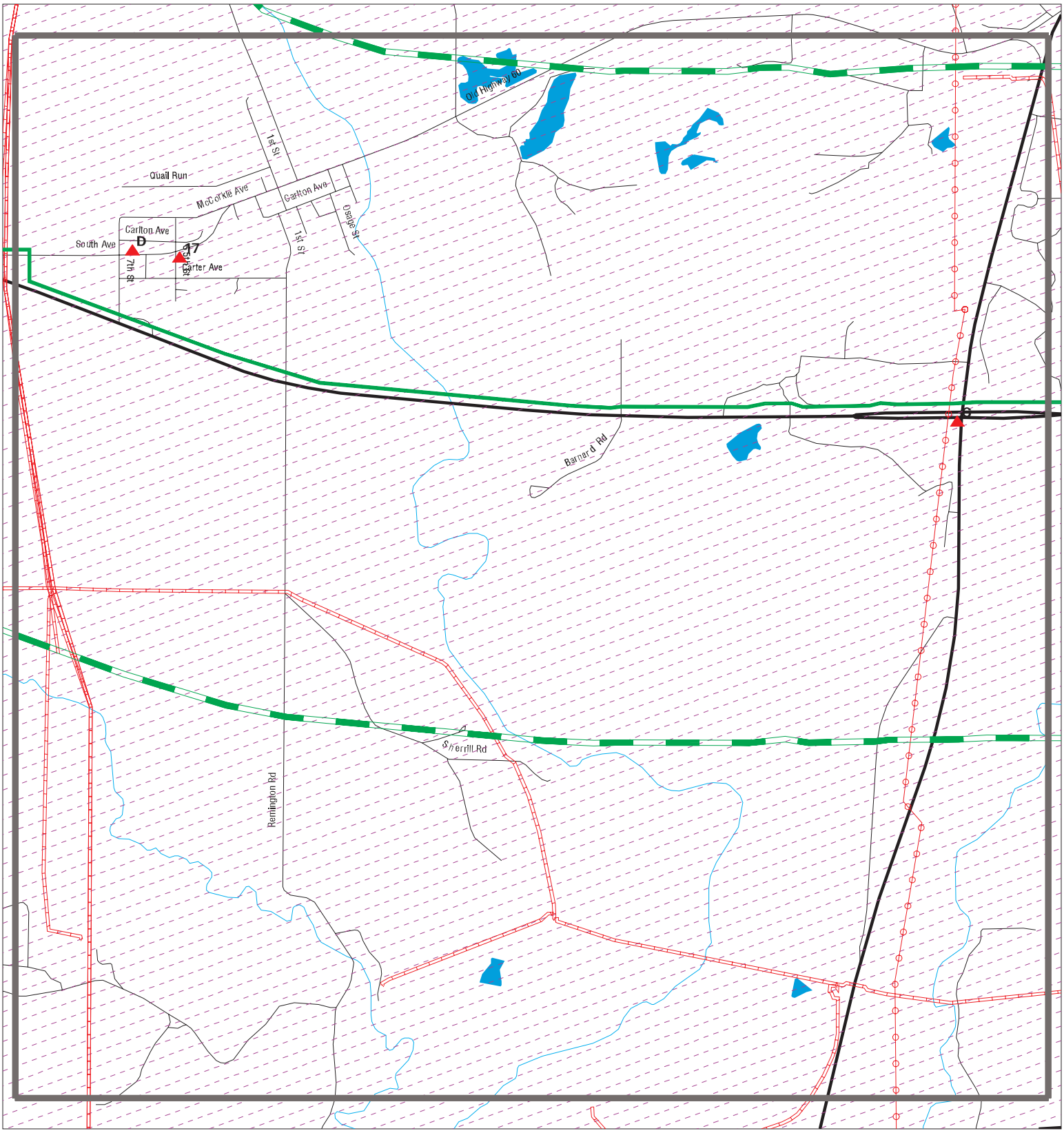
MAPPED SITES SUMMARY - FOCUS MAP 19

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 20 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

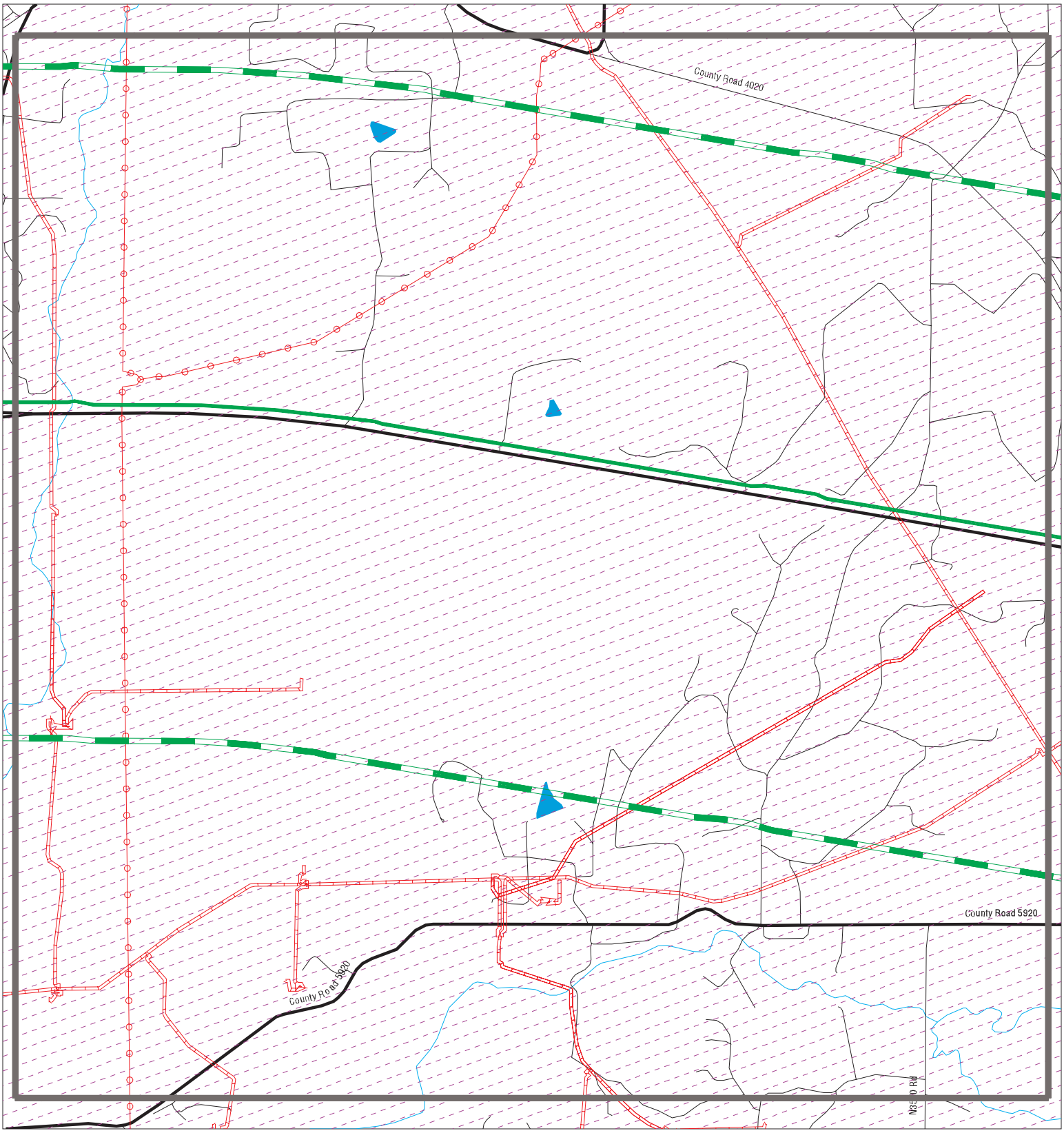
SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 20

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
C10 / 20	AMERICAN TEL & TEL C	HWY 60 7M E H18	RCRA NonGen / NLR	274 0.052 South
C13 / 20	JOHN COBLE PHILLIPS	4 MI E HWY 60	TANKS	357 0.068 South
D14 / 20	LIEBER'S TEXACO	ADDRESS UNKNOWN	UST, HIST UST	902 0.171 NNE
D15 / 20	HISTORICAL FACILITY	HWY 60 WEST (N SIDE	TANKS	979 0.185 NNE
D16 / 20	HAROLD MCGOWEN PHILL	HWY 60 W IN TOWN	TANKS	1034 0.196 NNE
17 / 20	BURBANK MATERIALS LL	OLD HWY 60 / CR 4030	US MINES	1189 0.225 NNE

Focus Map - 21 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

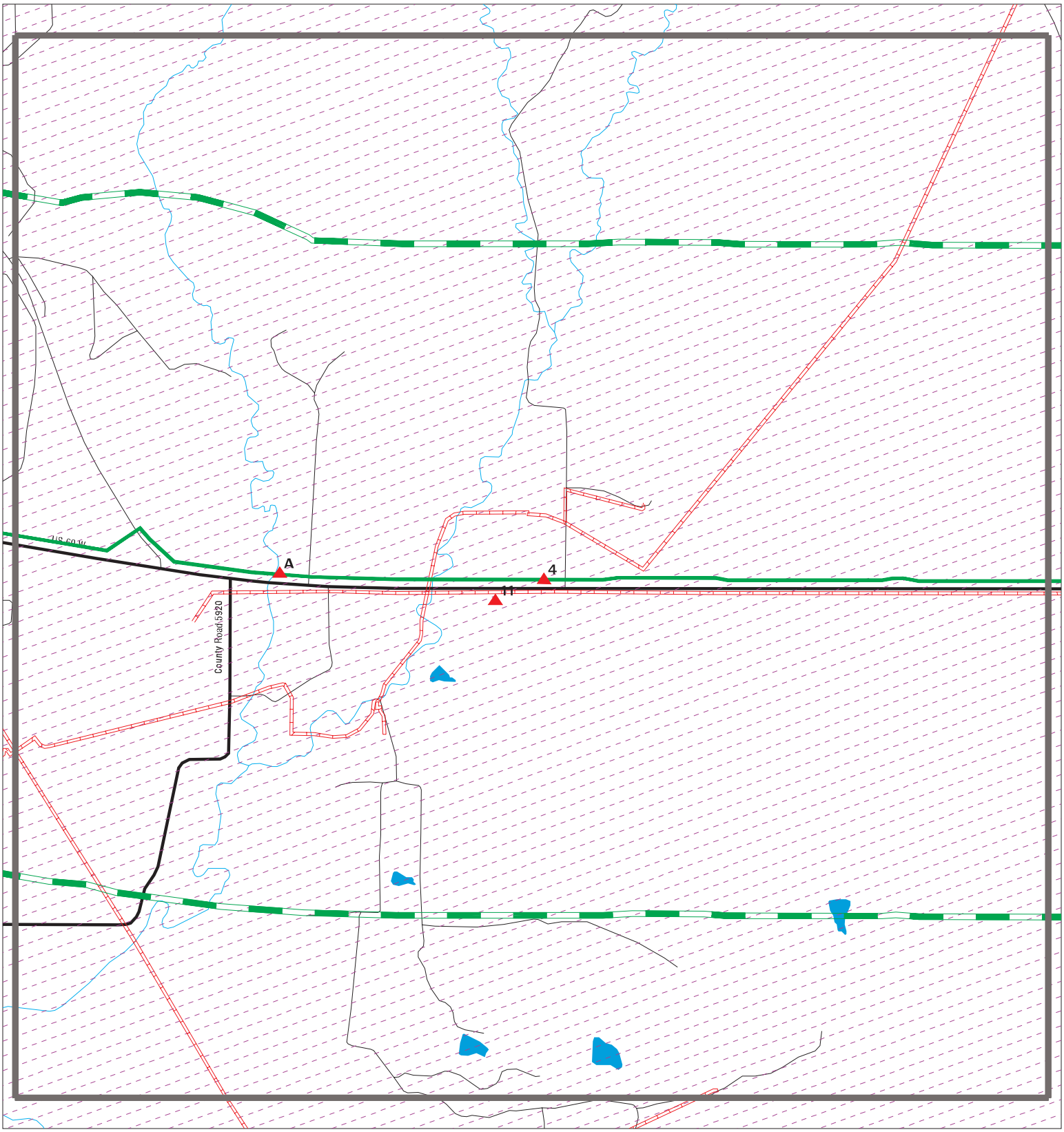
MAPPED SITES SUMMARY - FOCUS MAP 21

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 22 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

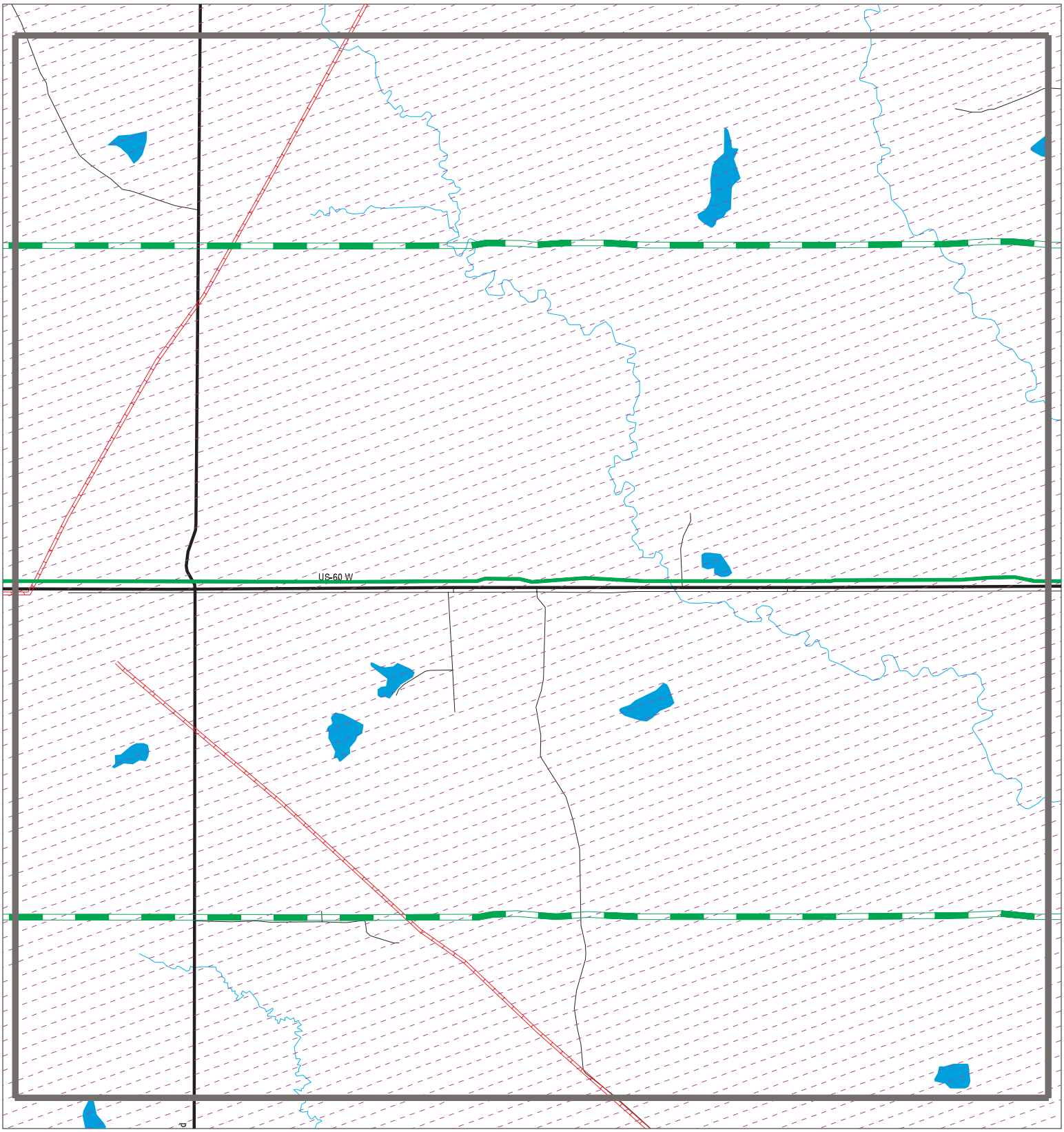
SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 22

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A2 / 22		SEE LAT & LONG	ERNS	TP
A3 / 22			COMPLAINT	TP
4 / 22		SEE LAT/LONG	ERNS	TP
11 / 22	DON GALLOWAY	RED EAGLE RT, 14 MI	TANKS	312 0.059 South

Focus Map - 23 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

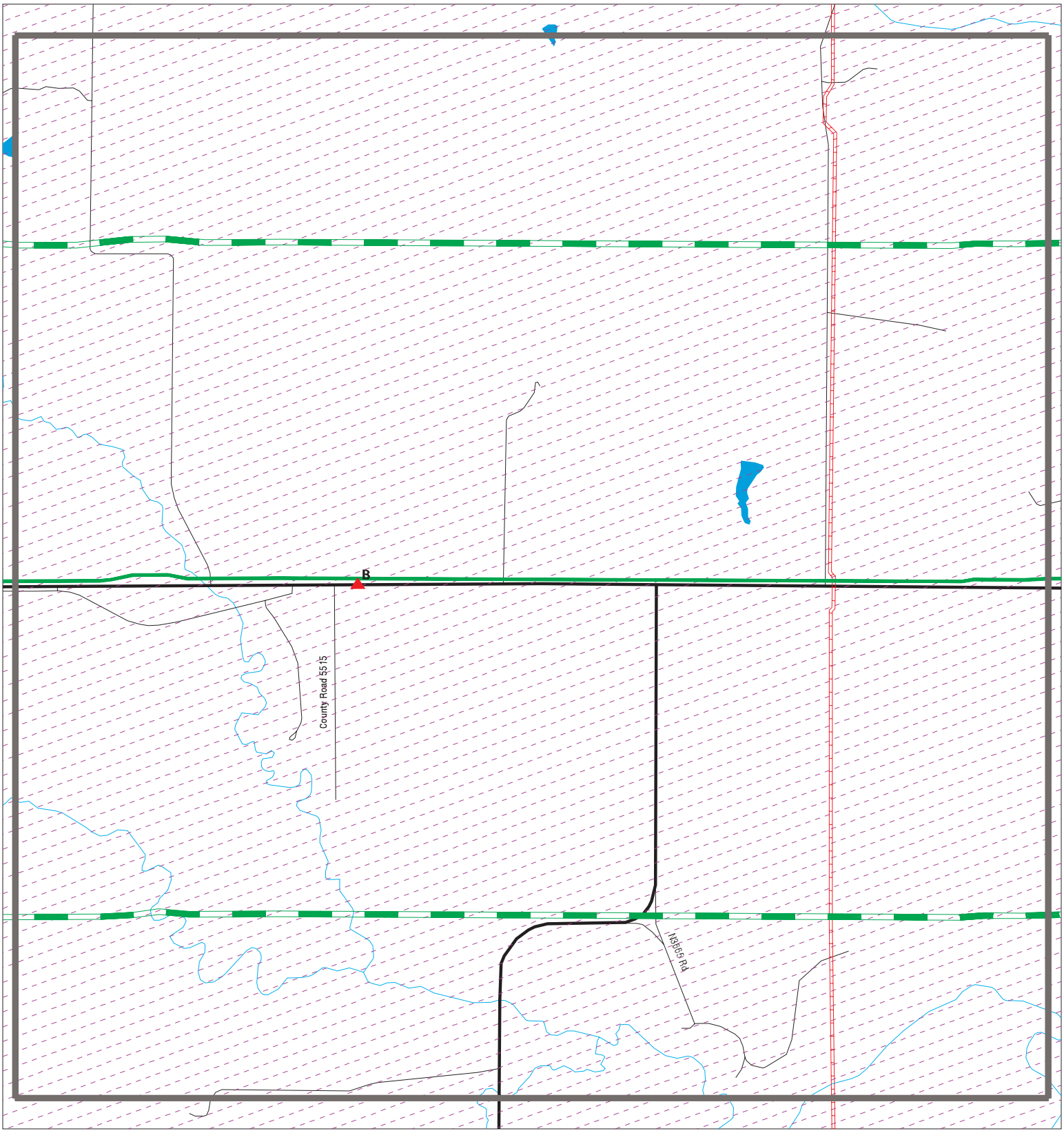
MAPPED SITES SUMMARY - FOCUS MAP 23

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 24 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

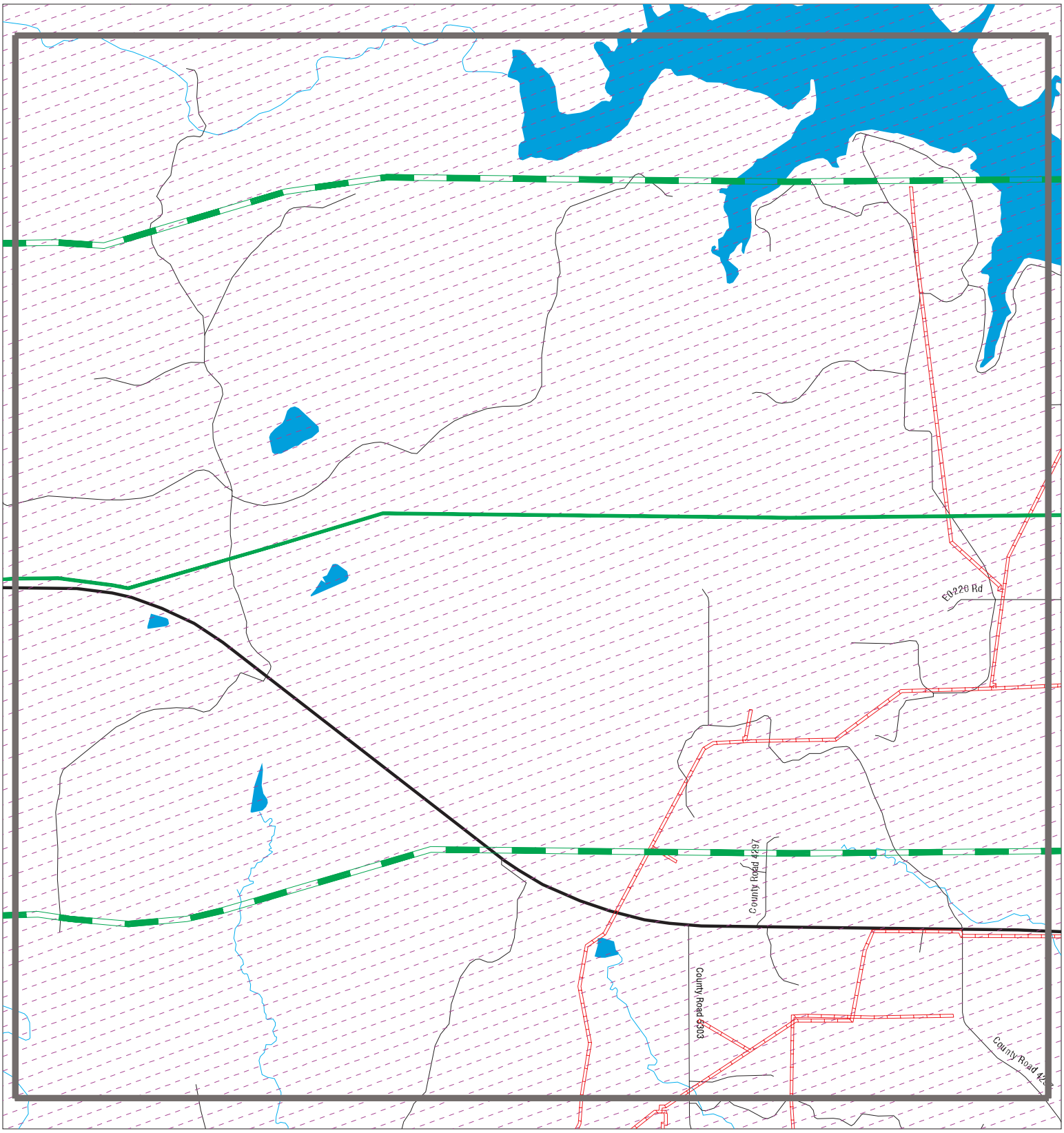
SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 24

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
B5 / 24	BURBANK STORE	20501 E HWY 60	UST FINDER	76	0.014	South
B6 / 24	BURBANK STORE	20501 E HWY 60	AST	76	0.014	South
B7 / 24	BURBANK STORE	20501 E HWY 60	UST, HIST UST	76	0.014	South
B8 / 24	BURBANK GENERAL	20501 E HIGHWAY 60	EDR Hist Auto	76	0.014	South

Focus Map - 25 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

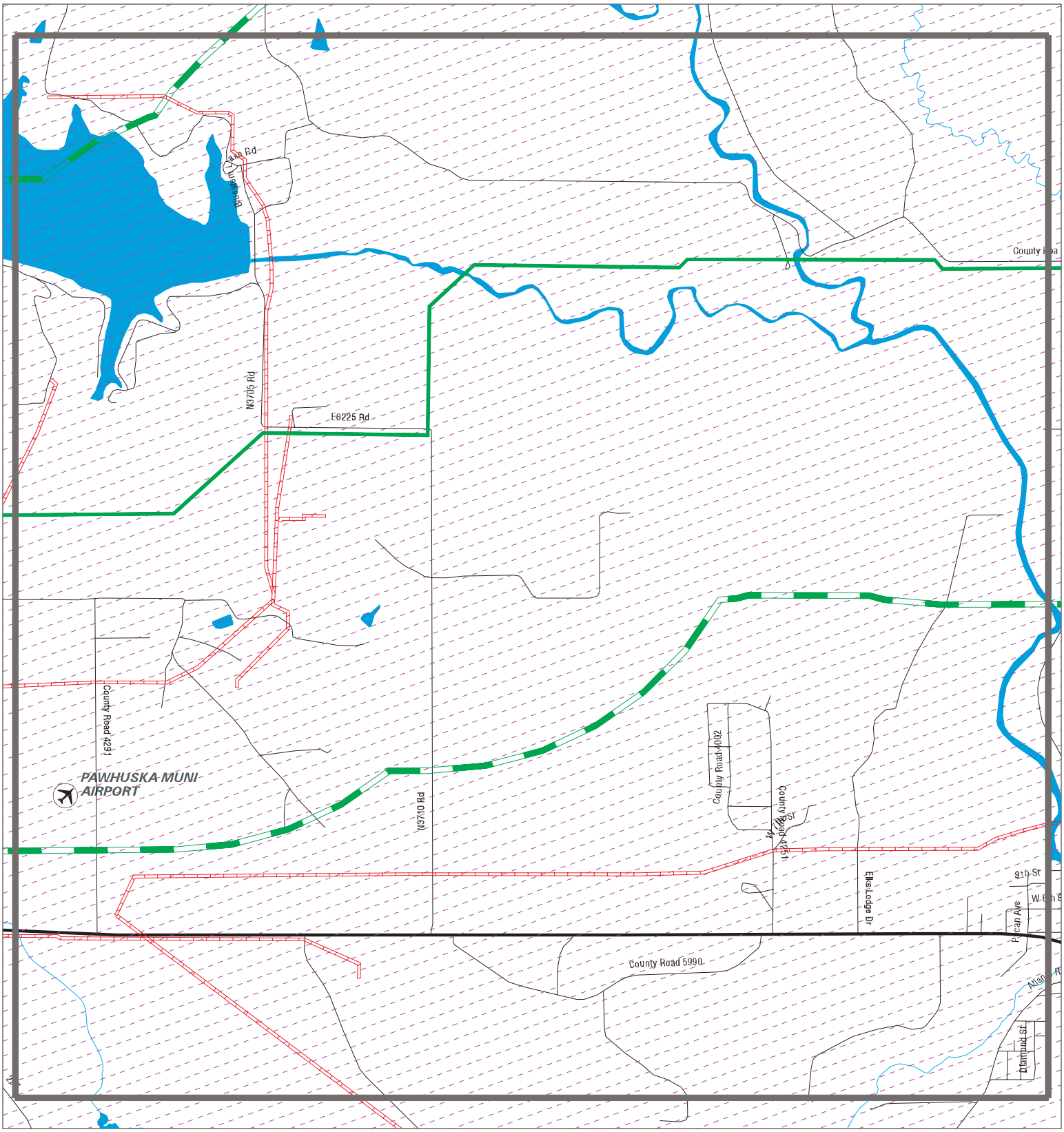
MAPPED SITES SUMMARY - FOCUS MAP 25

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 26 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

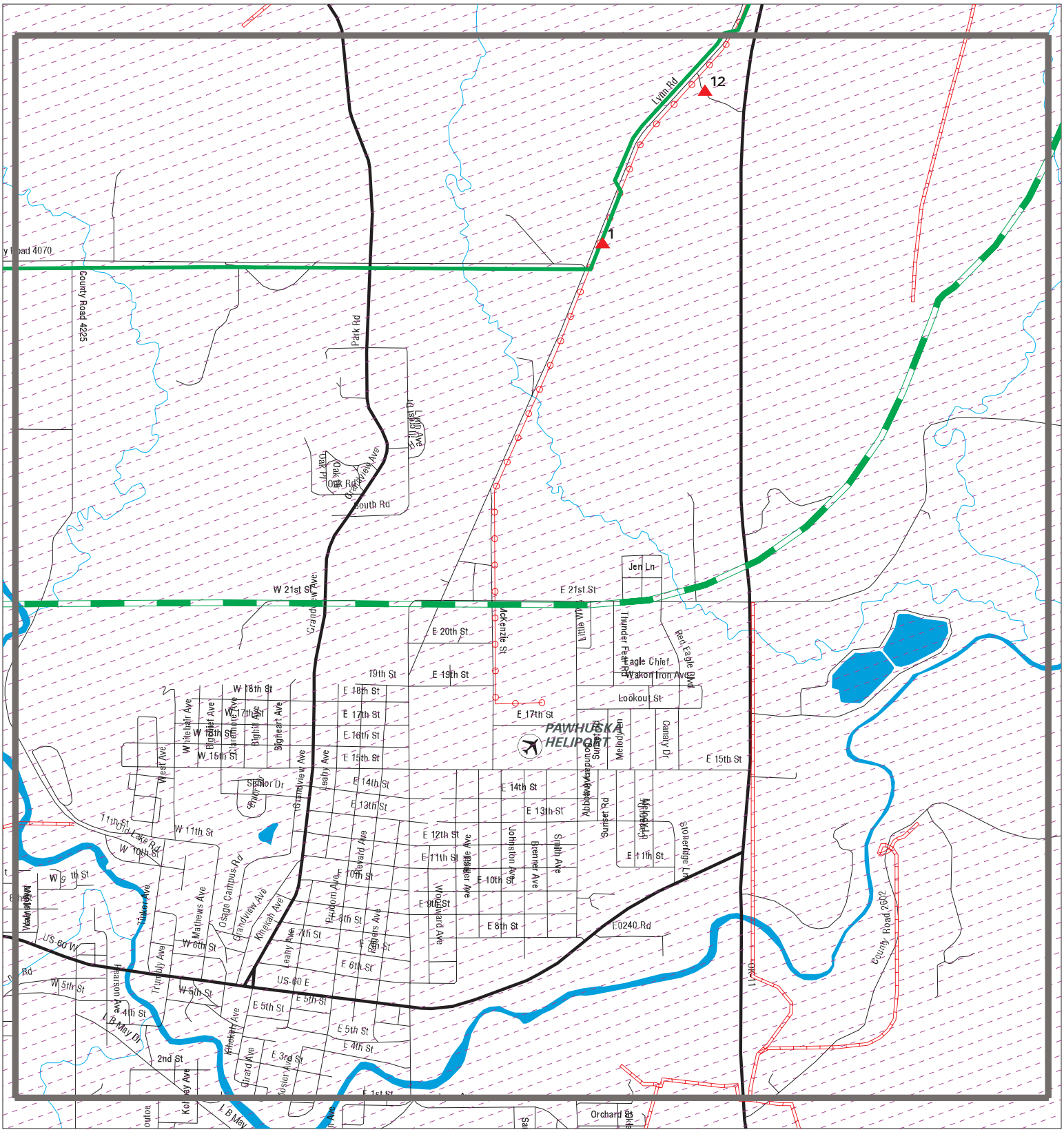
MAPPED SITES SUMMARY - FOCUS MAP 26

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 27 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

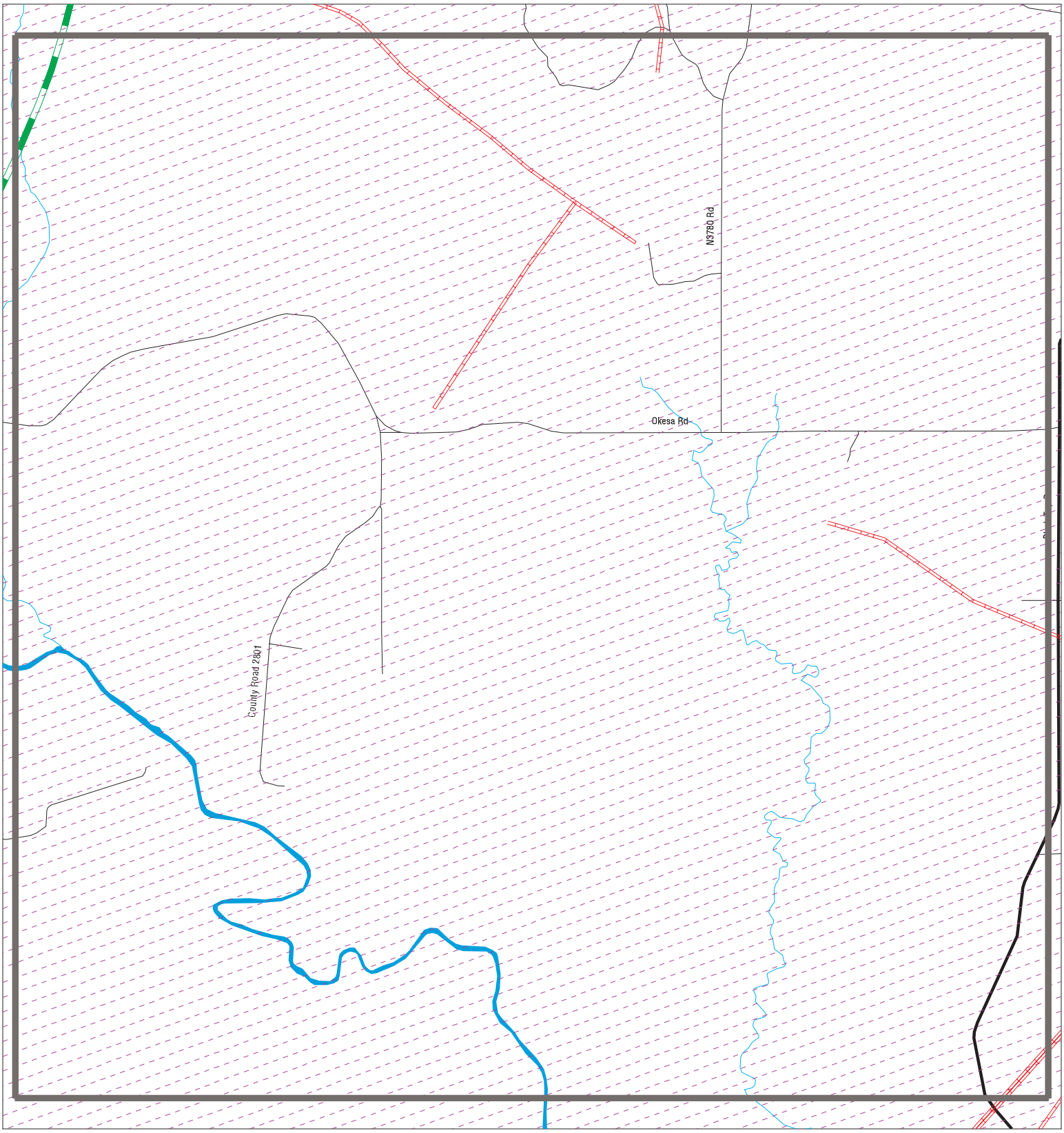
SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 27

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 27	OS2071 - WELL NO. 1S	SE/4, SEC. 27, T26N,	ICIS, FINDS	TP
12 / 27	GEORGE W BRANUM GIBB	RED EAGLE RT 1/4 MI	TANKS	342 0.065 SE

Focus Map - 28 - 7696907.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Kaw Pipeline	CLIENT: S2 Engineering PLLC
ADDRESS: Kaw Pipeline	CONTACT: Srini@s2epllc.com
CITY/STATE: Pawhuska OK	INQUIRY #: 7696907.5s
ZIP: 74056	DATE: 07/01/24

MAPPED SITES SUMMARY - FOCUS MAP 28

Target Property:
KAW PIPELINE
PAWHUSKA, OK 74056

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

IND RES **OSAGE RESERVATION** **INDIAN RESERV** **CIND200483**
Region **N/A**
Target **, OK**
Property

INDIAN RESERV:
Feature: Indian Reservation
Name: Osage Reservation
Focus Map: Agency: BIA
****

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1 **OS2071 - WELL NO. 1SWD (S)** **ICIS** **1007152197**
Target **SE/4, SEC. 27, T26N, R 9E** **FINDS** **N/A**
Property **PAWHUSKA, OK 74056**

ICIS:
Enforcement Action ID: 06-200002067
Actual: FRS ID: 110016670164
878 ft. Action Name: DBS - K6
Facility Name: OS2071 - WELL NO. 1SWD (S)
Focus Map: Facility Address: SE/4, SEC. 27, T26N, R 9E
27 PAWHUSKA, OK 74056
Enforcement Action Type: Notice of Violation
Facility County: OSAGE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 36.695612
Longitude in Decimal Degrees: -96.321403
Permit Type Desc: Not reported
Program System Acronym: 2657399
Facility NAICS Code: Not reported
Tribal Land Code: T930

Enforcement Action ID: 06-100020627
FRS ID: 110016670164
Action Name: STONE - I6
Facility Name: OS2071 - WELL NO. 1SWD (S)
Facility Address: SE/4, SEC. 27, T26N, R 9E
PAWHUSKA, OK 74056
Enforcement Action Type: Notice of Violation
Facility County: OSAGE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 36.695612
Longitude in Decimal Degrees: -96.321403
Permit Type Desc: Not reported
Program System Acronym: 2657399
Facility NAICS Code: Not reported
Tribal Land Code: T930

OS2071 - WELL NO. 1SWD (S) (Continued) **1007152197**

Enforcement Action ID:	06-100020512
FRS ID:	110016670164
Action Name:	STONE - G1
Facility Name:	OS2071 - WELL NO. 1SWD (S)
Facility Address:	SE/4, SEC. 27, T26N, R 9E PAWHUSKA, OK 74056
Enforcement Action Type:	Notice of Violation
Facility County:	OSAGE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	36.695612
Longitude in Decimal Degrees:	-96.321403
Permit Type Desc:	Not reported
Program System Acronym:	2657399
Facility NAICS Code:	Not reported
Tribal Land Code:	T930

Enforcement Action ID:	06-100020340
FRS ID:	110016670164
Action Name:	STONE - Y6
Facility Name:	OS2071 - WELL NO. 1SWD (S)
Facility Address:	SE/4, SEC. 27, T26N, R 9E PAWHUSKA, OK 74056
Enforcement Action Type:	Notice of Violation
Facility County:	OSAGE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	36.695612
Longitude in Decimal Degrees:	-96.321403
Permit Type Desc:	Not reported
Program System Acronym:	2657399
Facility NAICS Code:	Not reported
Tribal Land Code:	T930

FINDS:
Registry ID: 110016670164

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will

OS2071 - WELL NO. 1SWD (S) (Continued) **1007152197**

completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 **ERNS** **2016151728**
Target Property **SEE LAT & LONG** **N/A**
SHIDLER, OK

Site 1 of 2 in cluster A

Actual: **1019 ft.**

Focus Map: **22**

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A3 **COMPLAINT** **S120895869**
Target Property **N/A**
OSAGE (County), OK

Site 2 of 2 in cluster A

Actual: **1019 ft.**

Focus Map: **22**

OK COMPLAINT:

Name:	Not reported
Address:	Not reported
City,State,Zip:	OK
Agency Receiving Complaint:	Not reported
Agency with Jurisdiction:	Not reported
Complaint Number:	Not reported
Complaint Number:	Not reported
Complaint Number 2:	Not reported
Complaint Date Closed:	Not reported
Agency Person Contacted:	Not reported
Date Referred to Agency:	Not reported
Date Agency Received:	Not reported
Anonymous Complaint:	Not reported
Confirmation Status:	Not reported
Complainant Name:	Not reported
Complainant Address:	Not reported
Complainant Work Phone:	Not reported
Complainant Home Phone:	Not reported
Complainant City,St,Zip:	Not reported
Date Complaint was Received:	Not reported
Time Complaint was Received:	Not reported
Source and Type of Complaint:	Not reported
Name of Affected Waterbody:	Not reported
Waterbody was affected:	Not reported
Fish or Wildlife Kill Occured:	Not reported
Legal Subdivition of Complaint Site:	Not reported
Section, Township, Range:	Not reported
Township:	Not reported

(Continued) **S120895869**

Range:	Not reported
Lat/Long (dms):	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
Date Agency Responded:	Not reported
First Response Time:	Not reported
Referred To:	Not reported
Date Referred:	Not reported
Pollution:	Not reported
Locate Meridian:	Not reported
Date Investigation:	Not reported
Officer Name:	Not reported
Investigator Initials:	Not reported
Responsible Party Telephone:	Not reported
Responsible Party Telephone2:	Not reported
Leased Well Name:	Not reported
Facility Contact:	Not reported
Date Under Investigation:	06/27/2016
Date Under Litigation:	Not reported
Date Under Remediation:	Not reported
Date Under Mediation:	Not reported
Date Resolved:	Not reported
Confirmation Status:	Not reported
County Number:	Not reported
General Location:	Not reported
Locate QT1:	Not reported
Locate QT2:	Not reported
Locate QT3:	Not reported
Locate QT4:	Not reported
Fiscal Year:	Not reported
Comp Date Closed:	Not reported
Mobile:	Not reported
Latitude Measure:	36.681388888888897
Longitude Measure:	-96.615555555555503
Identifier:	146311
Source cat Code:	22222
Description:	Native American Land
Inquiry Category Name:	Anonymous
Inquiry Status Name:	Not reported
Inquiry Nature Name:	Spill
Responsible Party Address Suite Number:	Not reported
Complainant Address Suite Number:	Not reported
Incident No:	Not reported
Incident Type:	Not reported
Incident Status:	Not reported
Event:	Not reported
Event Date:	Not reported
Saltwater Purge:	Not reported
Finding:	Not reported
Recommendations:	Not reported
Well ID:	Not reported
Well Type:	Not reported
Well Status:	Not reported
Well Number:	Not reported
Operator Name:	Not reported
State Fund:	Not reported
Enforcement:	Not reported

(Continued) **S120895869**

District:	Not reported
Comp Against:	Not reported
Comp Email:	Not reported
Comp WPHN:	Not reported
Comp HPHN:	Not reported
Comp MBHN:	Not reported
Comp Email 2:	Not reported
Confirm WB:	Not reported
Branch:	Not reported
Transmit:	Not reported
Entered By:	Not reported
Ref Number:	Not reported
Ref Type:	Not reported
Date ERC:	Not reported
Telephone Number:	Not reported
Investigation Assigned:	Not reported
Referred Another Agency:	Not reported
Investigation:	Not reported
Letters Received:	Not reported
Telephone Number of Comp:	Not reported
Type of Complaint?:	Not reported
Field0:	Not reported
Open Date:	Not reported
Closed Date:	Not reported
Reason for Closure:	Not reported
Start Time:	Not reported
End Time:	Not reported
Anonymous Confidential or Unrestricted:	Not reported
Creation Date:	Not reported
Creator:	Not reported
Edit Date:	Not reported
Editor:	Not reported
Allegation:	Not reported

---

4 **ERNS** **2016164444**
Target Property **SEE LAT/LONG** **SHIDLER, OK** **N/A**

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: **1019 ft.**

Focus Map: **22**

B5 **BURBANK STORE** **UST FINDER** **1028634602**
South **20501 E HWY 60** **N/A**
< 1/8 **BURBANK, OK 74633**
0.014 mi.
76 ft. **Site 1 of 4 in cluster B**

Actual: **1004 ft.**

Focus Map: **24**

UST FINDER:

Object ID:	690822
Facility ID:	OK[5711219]
Name:	BURBANK STORE
Address:	20501 E HWY 60

BURBANK STORE (Continued) **1028634602**

City,State,Zip:	BURBANK, OK 74633
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	3
TOS USTs:	0
Population 1500ft:	51
Private Wells 1500ft:	0
Within 100yr Floodplain:	No
Land Use:	Non-Developed
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	6
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-96.7338
Y Coord:	36.6924000000001
Latitude:	36.6924
Longitude:	-96.7338

UST FINDER:

Object ID:	1508583
Facility ID:	OK[5711219]
Tank ID:	OK[5711219]_1
Tank Status:	Closed
Installation Date:	1988/06/08 16:00:00+00
Removal Date:	2017/03/27 15:59:59+00
Tank Capacity:	4000
Substances:	Gasoline
Tank Wall Type:	Single

Object ID:	1508584
Facility ID:	OK[5711219]
Tank ID:	OK[5711219]_2
Tank Status:	Closed
Installation Date:	1985/06/09 16:00:00+00
Removal Date:	2017/03/27 15:59:59+00
Tank Capacity:	4000
Substances:	Diesel
Tank Wall Type:	Single

Object ID:	1508585
Facility ID:	OK[5711219]
Tank ID:	OK[5711219]_3
Tank Status:	Closed
Installation Date:	1983/06/09 16:00:00+00
Removal Date:	2017/03/27 15:59:59+00
Tank Capacity:	4000
Substances:	Gasoline

BURBANK STORE (Continued) **1028634602**

Tank Wall Type: Single

B6 **BURBANK STORE** **AST** **A100479100**
South **20501 E HWY 60** **N/A**
< 1/8 **BURBANK, OK 74633**
0.014 mi.
76 ft. **Site 2 of 4 in cluster B**

Actual: AST:
1004 ft.

Focus Map:
24

Name:	BURBANK STORE
Address:	20501 E HWY 60
City,State,Zip:	BURBANK, OK 74633
Facility ID:	5711219
Contact Name:	Betty Hutchison
Contact Address:	1024 Kelley Ave.
Contact Telephone:	5807621751
Contact City,St,Zip:	Ponca City, OK 74604
Lat/Long:	36.6924 / -96.7338
Tank ID:	4
Tank Status:	Permanently Out of Use
Total Capacity:	5000
Substance:	Not Listed
Install Date:	04/01/1988
Tank Type:	AST
Closed Date:	Not reported
Decode of Tank Status:	Permanently out of use
Closure Status:	Not reported
Tank Construction:	Single Walled
Tank Material:	Steel
Pipe Construction:	Not reported
Pipe Material:	Not reported
Tank Compartments:	1
Tank CP Type:	Not reported
Tank Dike Type:	Not reported
Pipe CP Type:	Not reported
Pipe Type:	Not reported
Pipe Underground:	NO
Pipe Aboveground:	NO
Tank Last Used Date Prior To Closure:	Not reported
Tank Inert Material:	Not reported
Tank Approved For Closure In-Place:	NO

B7 **BURBANK STORE** **UST** **U001230933**
South **20501 E HWY 60** **HIST UST** **N/A**
< 1/8 **BURBANK, OK 74633**
0.014 mi.
76 ft. **Site 3 of 4 in cluster B**

Actual: UST:
1004 ft.

Focus Map:
24

Name:	BURBANK STORE
Address:	20501 E HWY 60
City,State,Zip:	BURBANK, OK 74633
Facility ID:	5711219
Contact Name:	Betty Hutchison
Contact Address:	1024 Kelley Ave.

BURBANK STORE (Continued) **U001230933**

Contact Telephone: 5807621751
Contact City,St,Zip: Ponca City, OK 74604
Lat/Long: 36.6924 / -96.7338

Tank ID: 1
Tank Status: Permanently Out Of Use
Total Capacity: 4000
Substance: Gasoline
Date Installed: 06/08/1988
Tank Type: UST
Closed Date: 03/27/2017
Decode of Tank Status: Permanently out of use
Closure Status: Tank Removed From Ground
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Sac. Anode
Tank Dike Type: Not reported
Pipe CP Type: Sac. Anode
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 01/01/2004
Tank Inert Material: Not reported
Tank Approved For Closure In-Place: NO

Tank ID: 2
Tank Status: Permanently Out Of Use
Total Capacity: 4000
Substance: Diesel
Date Installed: 06/09/1985
Tank Type: UST
Closed Date: 03/27/2017
Decode of Tank Status: Permanently out of use
Closure Status: Tank Removed From Ground
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Sac. Anode
Tank Dike Type: Not reported
Pipe CP Type: Sac. Anode
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 01/01/2004
Tank Inert Material: Not reported
Tank Approved For Closure In-Place: NO

Tank ID: 3
Tank Status: Permanently Out Of Use
Total Capacity: 4000
Substance: Gasoline
Date Installed: 06/09/1983

BURBANK STORE (Continued) **U001230933**

Tank Type: UST
Closed Date: 03/27/2017
Decode of Tank Status: Permanently out of use
Closure Status: Tank Removed From Ground
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Not reported
Tank Dike Type: Not reported
Pipe CP Type: Not reported
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 01/05/2004
Tank Inert Material: Not reported
Tank Approved For Closure In-Place: NO

HIST UST:
Facility ID: 5711219
Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056
Tank ID: 2
Tank Status: Currently In Use
Installed Date: 6/9/1985 0:00:00
Tank Capacity: 4000
Product: Diesel

Facility ID: 5711219
Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056
Tank ID: 3
Tank Status: Temporarily Out of Use
Installed Date: 6/9/1985 0:00:00
Tank Capacity: 4000
Product: Gasoline

Facility ID: 5711219
Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056
Tank ID: 1
Tank Status: Currently In Use
Installed Date: 6/8/1988 0:00:00
Tank Capacity: 4000
Product: Gasoline

B8 **BURBANK GENERAL** **EDR Hist Auto** **1021522622**
South **20501 E HIGHWAY 60** **N/A**
< 1/8 **BURBANK, OK 74633**
0.014 mi.
76 ft. **Site 4 of 4 in cluster B**

Actual: EDR Hist Auto
1004 ft.

Focus Map:
24

Year:	Name:	Type:
1998	BURBANK GENERAL	Gasoline Service Stations
1999	BURBANK GENERAL	Gasoline Service Stations
2000	BURBANK GENERAL	Gasoline Service Stations
2001	BURBANK GENERAL	Gasoline Service Stations
2002	BURBANK GENERAL	Gasoline Service Stations

---

9 **MIDWAY STORE** **UST** **U004198427**
South **13091 HWY 60** **N/A**
< 1/8 **PAWHUSKA, OK 74056**
0.035 mi.
185 ft.

Actual: UST:
853 ft.

Focus Map:
5

Name:	MIDWAY STORE
Address:	13091 HWY 60
City,State,Zip:	PAWHUSKA, OK 74056
Facility ID:	5757150
Contact Name:	Ok Dept Of Transportation
Contact Address:	200 NE 21st Street
Contact Telephone:	4055213025
Contact City,St,Zip:	Oklahoma City, OK 73105
Lat/Long:	36.7575 / -96.2177
Tank ID:	1
Tank Status:	Permanently Out Of Use
Total Capacity:	500
Substance:	Gasoline
Date Installed:	Not reported
Tank Type:	UST
Closed Date:	03/12/2013
Decode of Tank Status:	Permanently out of use
Closure Status:	Tank Removed From Ground
Tank Construction:	Single Walled
Tank Material:	Steel
Pipe Construction:	Not reported
Pipe Material:	Not reported
Tank Compartments:	1
Tank CP Type:	Not reported
Tank Dike Type:	Not reported
Pipe CP Type:	Not reported
Pipe Type:	Not reported
Pipe Underground:	NO
Pipe Aboveground:	NO
Tank Last Used Date Prior To Closure:	Not reported
Tank Inert Material:	Not reported
Tank Approved For Closure In-Place:	NO
Tank ID:	2
Tank Status:	Permanently Out Of Use
Total Capacity:	250
Substance:	Gasoline

MIDWAY STORE (Continued) **U004198427**

Date Installed:	Not reported
Tank Type:	UST
Closed Date:	03/12/2013
Decode of Tank Status:	Permanently out of use
Closure Status:	Tank Removed From Ground
Tank Construction:	Single Walled
Tank Material:	Steel
Pipe Construction:	Not reported
Pipe Material:	Not reported
Tank Compartments:	1
Tank CP Type:	Not reported
Tank Dike Type:	Not reported
Pipe CP Type:	Not reported
Pipe Type:	Not reported
Pipe Underground:	NO
Pipe Aboveground:	NO
Tank Last Used Date Prior To Closure:	Not reported
Tank Inert Material:	Not reported
Tank Approved For Closure In-Place:	NO

C10 **AMERICAN TEL & TEL CO LONG LINES** **RCRA NonGen / NLR** **1000360236**
South **HWY 60 7M E H18** **OKD980598742**
< 1/8 **BURBANK, OK 74633**
0.052 mi.
274 ft. **Site 1 of 2 in cluster C**

Actual:
1100 ft.

Focus Map:
20

RCRA Listings:

Date Form Received by Agency:	19810415
Handler Name:	American Tel & Tel Co Long Lines
Handler Address:	Hwy 60 7m E H18
Handler City,State,Zip:	BURBANK, OK 74633
EPA ID:	OKD980598742
Contact Name:	DENNI CLEVELAND
Contact Address:	811 MAIN STREET ROOM 939
Contact City,State,Zip:	KANSAS CITY, MO 64141
Contact Telephone:	816-654-3322
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	06
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MAIN STREET ROOM 939
Mailing City,State,Zip:	KANSAS CITY, MO 64141
Owner Name:	American Tel & Tel Co Long Lines
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

AMERICAN TEL & TEL CO LONG LINES (Continued) **1000360236**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000902
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D002
Waste Description:	Corrosive Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AMERICAN TEL & TEL CO LONG LINES
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, OK 00000-0000
Owner/Operator Telephone:	000-000-0000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AMERICAN TEL & TEL CO LONG LINES (Continued) **1000360236**

Historic Generators:
Receive Date: 19810415
Handler Name: AMERICAN TEL & TEL CO LONG LINES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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11 **DON GALLOWAY** **TANKS** **S131634140**
South **RED EAGLE RT, 14 MI E HWY 60** **N/A**
< 1/8 **PAWHUSKA, OK 74056**
0.059 mi.
312 ft.

Actual:
1014 ft.

Focus Map:
22

TANKS:
Facility ID: 5717188
Name: DON GALLOWAY
Address: RED EAGLE RT, 14 MI E HWY 60
City,State,Zip: PAWHUSKA, OK 74056
Owner Name: Don Galloway
Owner Address: RED EAGLE RT, 14 MI E HWY 60
Owner City,State,Zip: Pawhuska, OK 74056
Owner Telephone: Not reported
Latitude: 36.6802
Longitude: -96.604

---

12 **GEORGE W BRANUM GIBBLE** **TANKS** **S131634145**
SE **RED EAGLE RT 1/4 MI N HWY 601 BLK OUTSIDE CITY LIMITS** **N/A**
< 1/8 **PAWHUSKA, OK 74056**
0.065 mi.
342 ft.

Actual:
864 ft.

Focus Map:
27

TANKS:
Facility ID: 5717239
Name: GEORGE W BRANUM GIBBLE
Address: RED EAGLE RT 1/4 MI N HWY 601 BLK OUTSIDE CITY LIMITS
City,State,Zip: PAWHUSKA, OK 74056
Owner Name: George W Branum

GEORGE W BRANUM GIBBLE (Continued) **S131634145**

Owner Address: RED EAGLE RT 1/4 MI N HWY 60
Owner City,State,Zip: Pawhuska, OK 74056
Owner Telephone: Not reported
Latitude: 36.7022
Longitude: -96.3159

C13 **JOHN COBLE PHILLIPS** **TANKS** **S131634120**
South **4 MI E HWY 60** **N/A**
< 1/8 **BURBANK, OK 74633**
0.068 mi.
357 ft. **Site 2 of 2 in cluster C**

Actual: **1101 ft.**
Focus Map: **20**

TANKS:
Facility ID: 5716226
Name: JOHN COBLE PHILLIPS
Address: 4 MI E HWY 60
City,State,Zip: BURBANK, OK 74633
Owner Name: John Coble
Owner Address: 4 MI E HWY 60
Owner City,State,Zip: Burbank, OK 74633
Owner Telephone: Not reported
Latitude: 36.6877
Longitude: -96.6898

D14 **LIEBER'S TEXACO** **UST** **U001230908**
NNE **ADDRESS UNKNOWN** **HIST UST** **N/A**
1/8-1/4 **BURBANK, OK 74633**
0.171 mi.
902 ft. **Site 1 of 3 in cluster D**

Actual: **1042 ft.**
Focus Map: **20**

UST:
Name: LIEBER'S TEXACO
Address: ADDRESS UNKNOWN
City,State,Zip: BURBANK, OK 74633
Facility ID: 5709127
Contact Name: Mounts Oil Company
Contact Address: 21204 Blue Curl Way
Contact Telephone: 5807650697
Contact City,St,Zip: Canyon Country, CA 91351
Lat/Long: 36.695 / -96.7345

Tank ID: 1
Tank Status: Permanently Out Of Use
Total Capacity: 1000
Substance: Gasoline
Date Installed: 05/06/1976
Tank Type: UST
Closed Date: Not reported
Decode of Tank Status: Permanently out of use
Closure Status: Not Listed
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Not reported

LIEBER'S TEXACO (Continued) **U001230908**

Tank Dike Type: Not reported
Pipe CP Type: Not reported
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 10/01/1987
Tank Inert Material: Not Listed
Tank Approved For Closure In-Place: N/A

Tank ID: 2
Tank Status: Permanently Out Of Use
Total Capacity: 500
Substance: Gasoline
Date Installed: 05/07/1971
Tank Type: UST
Closed Date: Not reported
Decode of Tank Status: Permanently out of use
Closure Status: Not Listed
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Not reported
Tank Dike Type: Not reported
Pipe CP Type: Not reported
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 10/01/1987
Tank Inert Material: Not Listed
Tank Approved For Closure In-Place: N/A

Tank ID: 3
Tank Status: Permanently Out Of Use
Total Capacity: 1000
Substance: Gasoline
Date Installed: 05/06/1976
Tank Type: UST
Closed Date: Not reported
Decode of Tank Status: Permanently out of use
Closure Status: Not Listed
Tank Construction: Single Walled
Tank Material: Steel
Pipe Construction: Single-Walled
Pipe Material: Steel
Tank Compartments: 1
Tank CP Type: Not reported
Tank Dike Type: Not reported
Pipe CP Type: Not reported
Pipe Type: Not reported
Pipe Underground: YES
Pipe Aboveground: NO
Tank Last Used Date Prior To Closure: 10/01/1987
Tank Inert Material: Not Listed
Tank Approved For Closure In-Place: N/A

LIEBER'S TEXACO (Continued) **U001230908**

HIST UST:

Facility ID:	5709127
Owner Name:	Mounts Oil Company
Owner Address:	900 North 5th Street
Owner City,St,Zip:	Ponca City, OK 74601
Tank ID:	1
Tank Status:	Permanently Out of Use
Installed Date:	5/6/1976 0:00:00
Tank Capacity:	1000
Product:	Gasoline

Facility ID:	5709127
Owner Name:	Mounts Oil Company
Owner Address:	900 North 5th Street
Owner City,St,Zip:	Ponca City, OK 74601
Tank ID:	2
Tank Status:	Permanently Out of Use
Installed Date:	5/7/1971 0:00:00
Tank Capacity:	500
Product:	Gasoline

Facility ID:	5709127
Owner Name:	Mounts Oil Company
Owner Address:	900 North 5th Street
Owner City,St,Zip:	Ponca City, OK 74601
Tank ID:	3
Tank Status:	Permanently Out of Use
Installed Date:	5/6/1976 0:00:00
Tank Capacity:	1000
Product:	Gasoline

D15 **HISTORICAL FACILITY** **TANKS** **S131634216**
NNE **HWY 60 WEST (N SIDE OF HWY)** **N/A**
1/8-1/4 **BURBANK, OK 74633**
0.185 mi.
979 ft. **Site 2 of 3 in cluster D**

Actual:
1041 ft.

Focus Map:
20

TANKS:

Facility ID:	5756859
Name:	HISTORICAL FACILITY
Address:	HWY 60 WEST (N SIDE OF HWY)
City,State,Zip:	BURBANK, OK 74633
Owner Name:	Lois Lieber
Owner Address:	HWY 60 W (N SIDE OF HWY)
Owner City,State,Zip:	Burbank, OK 74633
Owner Telephone:	Not reported
Latitude:	36.6952
Longitude:	-96.7344

D16
NNE
1/8-1/4
0.196 mi.
1034 ft.

HAROLD MCGOWEN PHILLIPS
HWY 60 W IN TOWN
BURBANK, OK 74633

Site 3 of 3 in cluster D

TANKS **S131634121**
N/A

Actual:
1041 ft.

Focus Map:
20

TANKS:

Facility ID:	5716227
Name:	HAROLD MCGOWEN PHILLIPS
Address:	HWY 60 W IN TOWN
City,State,Zip:	BURBANK, OK 74633
Owner Name:	Harold Mcgowen
Owner Address:	HWY 60 W IN TOWN
Owner City,State,Zip:	Burbank, OK 74633
Owner Telephone:	Not reported
Latitude:	36.6953
Longitude:	-96.7342

17
NNE
1/8-1/4
0.225 mi.
1189 ft.

BURBANK MATERIALS LLP
OLD HWY 60 / CR 4030
BURBANK, OK 74633

US MINES **1024919956**
N/A

Actual:
1022 ft.

Focus Map:
20

US MINES:

Sic Code(s):	142900
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	3402088
Entity Name:	BURBANK MATERIALS LLP
Company:	BURBANK MATERIALS LLP
Status:	Full-Time Permanent
Status Date:	20100401
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	36
Longitude Degree:	096
Latitude Minute:	41
Latitude Seconds:	42
Longitude Minutes:	43
Longitude Seconds:	54
Number of Pits:	000

MINES VIOLATIONS:

Name:	BURBANK MATERIALS LLP
Address:	OLD HWY 60 / CR 4030
City,State,Zip:	BURBANK, OK 74633
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	9675924
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	6/14/2023
Action Type:	104(a)
Type of Issue:	Citation

BURBANK MATERIALS LLP (Continued) **1024919956**

S and S:	N
Term Date:	6/14/2023
Title 30 Code of Federal Regulations:	56.12004
Proposed Penalty:	143.00
Assessment Amount:	143.00
Paid Penalty Amount:	143.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2023
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

Violation Number:	9675925
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	6/14/2023
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	6/14/2023
Title 30 Code of Federal Regulations:	56.4104(b)
Proposed Penalty:	143.00
Assessment Amount:	143.00
Paid Penalty Amount:	143.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2023
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

BURBANK MATERIALS LLP (Continued) **1024919956**

Violation Number:	9675926
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	6/14/2023
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	6/14/2023
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	143.00
Assessment Amount:	143.00
Paid Penalty Amount:	143.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2023
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

Violation Number:	9350206
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	1/12/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/23/2017
Title 30 Code of Federal Regulations:	56.14100(b)
Proposed Penalty:	116.00
Assessment Amount:	116.00
Paid Penalty Amount:	116.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009

BURBANK MATERIALS LLP (Continued) **1024919956**

Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE
Violation Number:	9350207
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	1/12/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/23/2017
Title 30 Code of Federal Regulations:	56.14103(b)
Proposed Penalty:	330.00
Assessment Amount:	330.00
Paid Penalty Amount:	330.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE
Violation Number:	9350208
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	1/12/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/12/2017
Title 30 Code of Federal Regulations:	56.9300(a)
Proposed Penalty:	330.00
Assessment Amount:	330.00
Paid Penalty Amount:	330.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030

BURBANK MATERIALS LLP (Continued) **1024919956**

City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE
Violation Number:	9350209
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	1/12/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/23/2017
Title 30 Code of Federal Regulations:	56.14107(a)
Proposed Penalty:	330.00
Assessment Amount:	330.00
Paid Penalty Amount:	330.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE
Violation Number:	9350210
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	1/12/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/12/2017
Title 30 Code of Federal Regulations:	56.14112(b)
Proposed Penalty:	330.00
Assessment Amount:	330.00

BURBANK MATERIALS LLP (Continued) **1024919956**

Paid Penalty Amount:	330.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

Violation Number:	9647156
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	3/8/2022
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	3/8/2022
Title 30 Code of Federal Regulations:	56.14132(a)
Proposed Penalty:	133.00
Assessment Amount:	133.00
Paid Penalty Amount:	133.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2022
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

Violation Number:	9647157
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	3/8/2022

BURBANK MATERIALS LLP (Continued) **1024919956**

Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	3/8/2022
Title 30 Code of Federal Regulations:	56.20003(a)
Proposed Penalty:	133.00
Assessment Amount:	133.00
Paid Penalty Amount:	133.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2022
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	OK
County:	OSAGE

Violation Number:	9400524
Mine ID:	3402088
Contractor ID:	Not reported
Date Issued:	9/4/2018
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	9/4/2018
Title 30 Code of Federal Regulations:	56.4104(a)
Proposed Penalty:	118.00
Assessment Amount:	118.00
Paid Penalty Amount:	118.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2018
Address Type:	MineLocation
PO Box:	Not reported
Address:	OLD HWY 60 / CR 4030
City:	BURBANK
State:	OK
Operator:	Burbank Materials LLP
Zip:	74633
Mine Controller Name:	Casey B Hindman
Name:	BURBANK MATERIALS LLP
Ownership Date:	7/8/2009
Mine Status:	Active
Status Date:	4/1/2010
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface

BURBANK MATERIALS LLP (Continued) **1024919956**

State 2: OK
County: OSAGE

Click this hyperlink while viewing on your computer to access
127 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

Count: 33 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARTLESVILLE	1003875980	EAST BARTLESVILLE DUMP	5.5 MILES EAST OF BARTLESVILLE, OKLAHOMA	74003	SEMS-ARCHIVE
BARTLESVILLE	1003875981	OLD DEWEY ROAD DUMP	0.5 MILES N. OF BARTLESVILLE, OKLAHOMA	74003	SEMS-ARCHIVE
BARTLESVILLE	1027018178	OSAGE BARTLESVILLE - HOTEL CASINO	US HIGHWAY 60 AND N3900	74003	FINDS
BARTLESVILLE	S125380255	RAM ENERGY LLC - ALLEN UNIT	BARTLESVILLE ROAD	74003	TIER 2
BARTLESVILLE	S118327650	RAM ENERGY LLC - OSAGE ALLEN UNIT	BARTLESVILLE ROAD	74003	TIER 2
BURBANK	1012218463	SCISSORTAIL ENGRY LLC / BURBANK GAS PLT AND CMPSR STA	0.5 MILES SOUTH OF	74633	US AIRS
BURBANK	1024437659	BURBANK MATERIALS LLP / BURBANK QUARRY EXPANSION	0.55 MI NE OF SOUTH AVE/1ST AVE	74633	FINDS, ECHO
BURBANK	S111195632	SUPERIOR PIPELINE--REMINGTON PLANT	4477 REMINGTON ROAD	74633	TIER 2
BURBANK	S126463050	SUPERIOR PIPELINE--EAST REMINGTON COMPRESSOR STATION	4477 REMINGTON ROAD	74633	TIER 2
BURBANK	S126463051	SUPERIOR PIPELINE--REMINGTON COMPRESSOR STATION	4477 REMINGTON ROAD	74633	TIER 2
BURBANK	S126463048	SCISSORTAIL ENERGY, LLC--BURBANK PLANT	4707 REMMINGTON RD. FROM HWY 60 AND 18, APPROX. 2 MILES WEST, 1 MILE SOUTH ON REMINGTON RD. REMINGTON AND HWY 60. SE/4 SECTION 35-26N-5E	74633	TIER 2
BURBANK	S118877165	SCISSORTAIL ENERGY, LLC--BURBANK PLANT	4707 REMMINGTON RD. FROM HWY 60 AND 18, APPROX. 2 MILES WEST, 1 MILE SOUTH ON REMINGTON RD. REMINGTON AND HWY 60.SE/4 SECTION 35-26N-5E	74633	TIER 2
FAIRFAX	S112040291	T & L OIL--MATHIS UNIT TANK BATTERY LEASE	HIGHWAY 60	74637	TIER 2
FAIRFAX	S111194354	T & L OIL--MATHIS UNIT TANK BATTERY LEASE	HIGHWAY 60	74637	TIER 2
PAWHUSKA	89106545		SOUTH OF HIGHWAY 60, SEC 14, TS 25N, R 8E		ERNS
PAWHUSKA	9157874		OSAGE HILLS STATE PARK		ERNS
PAWHUSKA	1001029652	LAMAMCO DRILLING	HIGHWAY 99 SOUTH	74056	RCRA NonGen / NLR
PAWHUSKA	1004578950	PAWHUSKA PUBLIC SCHOOLS	1505 N LYNN	74056	FTTS, HIST FTTS
PAWHUSKA	1016284386	LAMAMCO DRILLING CO	HIGHWAY 99 SOUTH	74056	FINDS, ECHO
PAWHUSKA	1027027083	CONSTRUCTION SITE OSAGE CASINO HOTEL - PAWHUSKA	US HIGHWAY 60 AND HIGHWAY 99	74056	FINDS
PAWHUSKA	1026902342	CONSTRUCTION SITE OSAGE CASINO HOTEL - PAWHUSKA	US HIGHWAY 60 AND HIGHWAY 99	74056	ECHO
PAWHUSKA	S126461925	843476-CCATT-AWE-PAWHUSKA	4 MILES NORTH OF HIGHWAY 60 ON CR4551	74056	TIER 2
PAWHUSKA	S118293784	BRUCE & DEBRA KREBBS - GOVERNMENT LEASE TANK BATTERY	DIRECTIONS FROM HIGHWAY 99 / HIGHWAY 60 INTERSECTION: FROM THE INTERSECTION OF HIGHWAY 99 AND HIGHWAY 60, TAKE HIGHWAY 99 NORTH ABOUT 15.6 MILES TO DRIVEWAY ON THE LEFT SIDE (WEST) OF THE ROAD. TURN L	74056	TIER 2
PAWHUSKA	S118881495	843476-CCATT-AWE-PAWHUSKA	4 MILES NORTH OF HIGHWAY 60 ON CR4551	74056	TIER 2
PAWHUSKA	S118293781	BRUCE & DEBRA KREBBS - ADAMS LEASE TANK BATTERY	DIRECTIONS FROM HIGHWAY 99 / HIGHWAY 60 INTERSECTION: FROM THE INTERSECTION OF HIGHWAY 99 AND HIGHWAY 60, TAKE HIGHWAY 99 NORTH ABOUT 1.2 MILES. JUST NORTH OF THE CREEK AT THE BOTTOM OF THE HILL THERE	74056	TIER 2
PAWHUSKA	S118293783	BRUCE & DEBRA KREBBS - CULVER LEASE TANK BATTERY	DIRECTIONS FROM HIGHWAY 99 / HIGHWAY 60 INTERSECTION: FROM THE INTERSECTION OF HIGHWAY 99 AND HIGHWAY 60, TAKE HIGHWAY 99 NORTH ABOUT 9.75 MILES TO HIGHWAY 10. TURN RIGHT (EAST) ONTO HIGHWAY 10. THE C	74056	TIER 2

Count: 33 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PAWHUSKA	S118293782	BRUCE & DEBRA KREBBS - CRANE LEASE TANK BATTERY	DIRECTIONS FROM HIGHWAY 99 / HIGHWAY 60 INTERSECTION: FROM THE INTERSECTION OF HIGHWAY 99 AND HIGHWAY 60, TAKE HIGHWAY 99 NORTH ABOUT 16.3 MILES TO ROAD 4910. TURN LEFT (WEST) ONTO ROAD 4910 FOR ABOUT	74056	TIER 2
PAWHUSKA	S118875687	CHAPARRAL--PAWHUSKA DISTRICT OFFICE	HWY 99 SOUTH	74056	TIER 2
PAWHUSKA	S125382348	SPYGLASS BLACKLAND TANK BATTERY	FROM INTERSECTION OF HWY 60 (SH 11) AND CR 4551 PROCEED NORTH ON CR 4551 TOWARD FOREAKER, OK. TURN EAST ON CR 4650 FOR 3 MILES. TURN SOUTH INTO SITE. FOLLOW SITE ROAD 3 MILES.	74056	TIER 2
PAWHUSKA	S118294607	CHAPARRAL ENERGY, LLC - PAWHUSKA DISTRICT OFFICE	HWY 99 SOUTH	74056	TIER 2
PAWHUSKA	S112014426	CHAPARRAL--CHAPARRAL ENERGY, LLC - PAWHUSKA DISTRICT OFFICE	HWY 99 SOUTH	74056	TIER 2
PAWHUSKA	S126461927	BRUCE & DEBRA KREBBS - VERN LEASE TANK BATTERY	DIRECTIONS FROM PAWHUSKA: FROM THE INTERSECTION OF MAIN STREET (HWY 60) AND LYNN AVENUE IN PAWHUSKA, PROCEED WEST ABOUT 5.3 MILES ON HIGHWAY 60 TO ROAD 5305. TURN LEFT (SOUTH) ONTO ROAD 5305 AND CONTI	74056	TIER 2
PAWHUSKA	S118293785	BRUCE & DEBRA KREBBS - SUNSET LABADIE-WEST LABADIE LEASE TANK BATTERY	DIRECTIONS FROM HIGHWAY 60 (FRANK PHILLIPS BOULEVARD) & HIGHWAY 123 IN BARTLESVILLE: FROM THE INTERSECTION OF HIGHWAY 60 AND HIGHWAY 123, TAKE HIGHWAY 60 WEST TOWARD PAWHUSKA FOR 10.7 MILES. TURN RIGH	74056	TIER 2

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/13/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Voluntary Cleanup & Superfund Site Status Report

Land restoration projects carried out in several DEQ programs.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/27/2023
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Permitted Solid Waste Disposal & Processing Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/22/2023
Date Made Active in Reports: 06/07/2023
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 405-702-5184
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

LAST: Leaking Aboveground Storage Tanks List

Leaking aboveground storage tank site locations.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84

Source: Oklahoma Corporation Commission
Telephone: 405-522-4640
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

UST: Underground Storage Tank Listing
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/30/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

TANKS: Petroleum Storage Tank Other Facilities List
A list of Oklahoma facilities that are not associated with any registered tanks (i.e., historical facilities, brand new facilities awaiting tank installation, etc).

Date of Government Version: 03/05/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Oklahoma Corporation Commission
Telephone: 405-522-4640
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Sites
Sites with institutional controls in place.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 84
Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

VCP: Voluntary Cleanup Site Inventory
Investigations and cleanups by groups or individuals participating in the Voluntary Cleanup Program (VCP).

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 02/01/2024
Number of Days to Update: 85
Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Quarterly

SCAP: Site Cleanup Assistance program Listing
SCAP remediates abandoned hazardous waste sites and closed armories and provides other cleanup assistance to public entities around the state.

Date of Government Version: 03/19/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 84
Source: Department of Environmental Quality
Telephone: 405-702-5138
Last EDR Contact: 06/18/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfield Sites

Brownfields are defined by Oklahoma law as abandoned, idled or under used industrial or commercial facilities or other real property at which expansion or redevelopment of the real property is complicated by environmental contamination caused by regulated substances. This program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/07/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/10/2012
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

BROWNFIELDS 2: Brownfields Public Record Listing

The Brownfields program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/06/2024
Number of Days to Update: 89

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facility locations.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/19/2024
Next Scheduled EDR Contact: 08/04/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Underground Storage Tank List, List II Version
This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

Date of Government Version: 03/21/2003
Date Data Arrived at EDR: 04/28/2003
Date Made Active in Reports: 05/27/2003
Number of Days to Update: 29

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

OK COMPLAINT: Oklahoma Complaint System Database

Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 06/30/2023
Date Data Arrived at EDR: 02/14/2024
Date Made Active in Reports: 05/07/2024
Number of Days to Update: 83

Source: Oklahoma Conservation Commission
Telephone: 405-521-4828
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Annually

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/29/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2024
Date Data Arrived at EDR: 04/19/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Contamination Site Location Listing
A listing of sites where PFAS contaminants has been detected to date.

Date of Government Version: 10/01/2022
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/28/2023
Number of Days to Update: 77

Source: Department of Environment Quality
Telephone: 405-702-5100
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

AIRS: Permitted AIRS Facility Listing
A listing of permitted AIRS facility locations.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-4100
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification
Asbestos project site locations

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/21/2024
Number of Days to Update: 84

Source: Department of Labor
Telephone: 405-521-6467
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaner facility locations.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-9100
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing
Financial Assurance information.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 11/06/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 405-702-5105
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

FIN ASSURANCE 2: Financial Assurance Information Listing
Financial Assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/10/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 01/24/2014
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 05/03/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 405-702-1000
Last EDR Contact: 06/06/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

UIC: Underground Injection Wells Database Listing
Class I injection wells. CLASS I wells are used to inject liquid hazardous and non-hazardous wastes beneath the lower most Underground Sources of Drinking Water (USDW).

Date of Government Version: 12/15/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 03/29/2024
Number of Days to Update: 78
Source: Department of Environmental Quality
Telephone: 405-702-5188
Last EDR Contact: 04/10/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79
Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System
EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49
Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106
Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT
The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62
Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Oklahoma Corporation Commission in Oklahoma.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Oklahoma Corporation Commission
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 04/25/2024
Number of Days to Update: 79

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/25/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers

Source: Department of Human Services
Telephone: 405-521-3561

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION