

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	06/01/2022	
Media Program:	Water	
Regulatory Program(s)	Clean Water Act – National Pollution Discharge Elimination System (Brine)	
Company Name:	McCann Resources, Inc	
Facility Name:	Dixon-Rock Lease	
Facility Physical Location:	Latitude: 36.893911, Longitude: -96.126546	
(city, state, zip code)	Bowring, Oklahoma, 74056	
Mailing address:	2300 N Lincoln Blvd Rm 101	
(city, state, zip code)	Oklahoma City, Oklahoma, 73105	
County/Parish:	Osage County	
Facility Phone Number	(918) 798-4365	
Facility Contact:	Mark McCann	Owner/Operator
	mccanncompanies@yahoo.com	
FRS Number:	n/a	
Identification/Permit Number:	OKU002085	
Media Identifier Number:	n/a	
NAICS:	211111	
SIC:	1311	
Personnel participating in inspection:		
Matthew Allen	EPA, Region 6ECDW	Inspector
Dallas Nave	BIA, Osage Agency	Field Inspector
EPA Lead Inspector Signature/Date		
	Matthew Allen	Date
Supervisor Signature/Date		
	Anthony Loston (<i>acting</i>)	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspector Matthew Allen arrived at the McCann Resources, Inc, Dixon-Rock Lease (EPA ID No. OKU002085) at 2:15 PM on 06/01/2022 for an unannounced inspection. There was no facility representative present at the time of the inspection. This inspection was in response to a National Response Center Spill Report (NRC# 1337567) which was received by EPA Region 6. EPA Inspector, Matthew Allen, also received notification of the spill from The Bureau of Indian Affairs (BIA) Osage Agency, Field Inspector, Dallas Nave. The inspection was conducted by the authority of the Clean Water Act to determine compliance with Environmental Protection Agency (EPA) regulations. Dallas Nave accepted an invitation to participate during the inspection.

FACILITY DESCRIPTION

EPA conducted an inspection beginning on the McCann Resources, Inc, Dixon-Rock Lease, where a 2-inch diameter poly flowline carrying produced water (brine) and oil pulled apart at a collar releasing produced water and oil onto the land. BIA Field Inspector, Dallas Nave, estimated approximately 15 barrels of oil and 20 barrels of saltwater were released from the parted flowline. The produced water and oil flowed northwest into a nearby unnamed tributary of the Caney River/Hulah Lake. This flowline carried produced fluids from the Dixon-Rock tank battery to the Bowring Lease tank battery. The Dixon-Rock Lease was located west of Bowring, Oklahoma, in Osage County.

Section II - OBSERVATIONS

I observed the Release Point (GPS 36.893911, -96.126546) of the spill as seen in photo No. 1 of Appendix 1 (photo log). The release point was a point where the 2-inch diameter poly flowline carrying brine and oil from the Dixon-Rock tank battery to the Bowring tank battery pulled apart at a collar joint and spilled produced fluids onto the land. I observed impacted soil and vegetation beginning at the release point, then continued northwest along the flowpath, these impacted areas can be seen in photo No. 1 and No. 5. The spilled fluids flowed across the land approximately 75 feet before spilling into a nearby unnamed tributary of the Caney River/Hulah Lake. The Point of Entry (POE) (GPS 36.893982, -96.126775) into the main channel of the unnamed tributary is documented in photo No. 4. Using a properly calibrated YSI Pro 30 conductivity meter, I observed an elevated Total Dissolved Solids (TDS) field reading of 50,201 mg/L in the main channel of the tributary at the POE, this field reading was the highest level observed during the inspection and can be seen in photo No. 3. I observed a “background” TDS field reading of 204.4 mg/L approximately 20 feet upstream from the POE in a pool of water which was not impacted by the spill, this field reading can be seen in photo No. 2. I observed a significant amount of crude oil on the surface of the tributary which can be seen in photos No. 7, 9, 11, and 12. As the inspection continued downstream from the POE, I observed elevated TDS field readings of 28,233 mg/L (photo No. 8), 22,970 mg/L (photo No. 10), and 759 mg/L (photo No. 13). The TDS field reading of 759 mg/L taken at (GPS 36.899665, -96.125167) was the furthest downstream measurement taken where spill impacts were

observed in the tributary during the inspection. Spill impacts were documented along approximately .5 miles of the tributary during the inspection. At the time of the inspection, there was a slow to moderate instream flow along the impacted tributary and light rainfall was ongoing throughout the inspection. At the time of the inspection, there were no temporary containment structures in place to prevent further downstream migration of the impacted waters. At the time of the inspection there was a floating, oil absorbent containment boom placed across the impacted tributary to prevent downstream migration of the crude oil. I observed an additional "background" TDS field of 124.6 mg/L (GPS 36.899694, -96.125182), this field reading was taken in the channel of a small tributary just before it flowed into the impacted tributary and can be seen in photo No. 16.

Section III – AREAS OF CONCERN

EPA Region 6 Inspector, Matthew Allen, conducted a phone conference with Mark McCann, owner/operator of McCann Resources, Inc. at the conclusion of the inspection. During the call I conveyed my primary areas of concern which were to capture and remove waters with TDS levels above the observed "background" level, as well as the capture and removal of oil from the impacted tributary before further downstream migration could occur. I also noted the need to clean the flowpath from the Release Point of the spill to the Point of Entry into the tributary.

Section IV – FOLLOW UP

EPA Inspector, Matthew Allen received a phone call from Mark McCann 06/02/2022. Mr. McCann stated his employees had installed two oil absorbent containment booms across the impacted tributary and they had placed a temporary containment dam across the impacted tributary. Mr. McCann explained his employees were continuing to remove oil and saltwater from the impacted tributary but did not provide estimated volumes.

EPA Inspector, Matthew Allen received a phone call from Mark McCann on 06/03/2022. Mr McCann stated his employees were continuing to remove oil and saltwater from the impacted tributary.

No additional information was received by EPA after 06/03/2022.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 16 photos taken 06/01/2022

Appendix 1

Photograph Log 16 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0002

Orientation: NNW

Date of Photo: 06/01/2022

Time of Photo: 02:37 PM

Latitude: 36.893911

Longitude: -96.126546

Photographer: Matthew Allen

Description: This was the Release Point of the spill, a 2-inch diameter poly flowline which was pulled apart at the collar connection. Oil and saltwater which were present on the soil and vegetation were also shown in the picture.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0049

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 4:21 PM

Latitude: 36.893937

Longitude: -96.126835

Photographer: Matthew Allen

Description: This was a background TDS field reading of 204.4 mg/L taken along the impacted stream approximately 25 feet upstream from the Point of Entry (POE). This reading was taken in a pool of water which was not impacted by the spill.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0007

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 2:43 PM

Latitude: 36.893982

Longitude: -96.126775

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 50,201 mg/L taken at the POE into the impacted unnamed tributary. This measurement and all others taken during the inspection were taken with a properly calibrated YSI Pro 30 conductivity meter.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0008

Orientation: E

Date of Photo: 06/01/2022

Time of Photo: 2:43 PM

Latitude: 36.893982

Longitude: -96.126775

Photographer: Matthew Allen

Description: This is the Point of Entry (POE) where saltwater and oil spilled into the impacted tributary. The TDS field reading at this location was 50,201 mg/L, which was the highest reading observed during the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0009

Orientation: E

Date of Photo: 06/01/2022

Time of Photo: 2:43 PM

Latitude: 36.893982

Longitude: -96.126775

Photographer: Matthew Allen

Description: This photo was taken standing at the POE into the tributary, looking East along the flowpath of the spill. The Release Point of the spill was located near the largest tree in the picture.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0010

Orientation: N

Date of Photo: 06/01/2022

Time of Photo: 2:43 PM

Latitude: 36.893982

Longitude: -96.126775

Photographer: Matthew Allen

Description: This photo was taken from the POE into the tributary with a view looking downstream.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0013

Orientation: N

Date of Photo: 06/01/2022

Time of Photo: 2:48 PM

Latitude: 36.894203

Longitude: -96.126685

Photographer: Matthew Allen

Description: This pool of water located approximately 30 yards downstream from the POE was covered with oil at the time of the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0036

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 3:46 PM

Latitude: 36.895004

Longitude: -96.125862

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 28,223 mg/L taken along the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0037

Orientation: N

Date of Photo: 06/01/2022

Time of Photo: 3:46

Latitude: 36.895004

Longitude: -96.125862

Photographer: Matthew Allen

Description: This photo showed the defined streambed and bank features of the tributary. The tributary was completely covered in oil at this location. An elevated TDS field reading of 28,223 mg/L was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0039

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 3:51 PM

Latitude: 36.896247

Longitude: -96.125470

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 22,970 mg/L taken along the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0040

Orientation: W

Date of Photo: 06/01/2022

Time of Photo: 3:52 PM

Latitude: 36.896247

Longitude: -96.125470

Photographer: Matthew Allen

Description: This photo showed the location where an elevated TDS field reading of 22,970 mg/L was taken. The tributary was completely covered with oil at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0029

Orientation: NW

Date of Photo: 06/01/2022

Time of Photo: 3:14 PM

Latitude: 36.898631

Longitude: -96.124799

Photographer: Matthew Allen

Description: This photo was taken approximately 0.35 miles downstream from the POE and showed the surface of the water was 100% covered with oil. Oil had impacted the banks, rocks, and vegetation along the tributary. The streambed and banks were well defined, this photo provided an accurate depiction of the physical size of the tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0022

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 3:04 PM

Latitude: 36.899665

Longitude: -96.125167

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 759 mg/L which documented the furthest downstream impact observed during the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0023

Orientation: S

Date of Photo: 06/01/2022

Time of Photo: 3:04 PM

Latitude: 36.899665

Longitude: -96.125167

Photographer: Matthew Allen

Description: This pool was the location of the last elevated TDS field reading observed during the inspection. This photo was taken from the downstream end of the pool with a view looking upstream.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 15

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0024

Orientation: N

Date of Photo: 06/01/2022

Time of Photo: 3:05 PM

Latitude: 36.899665

Longitude: -96.125167

Photographer: Matthew Allen

Description: This photo was taken at the last impacted pool in the tributary, looking downstream. This photo also captured a small tributary which was not impacted as its waters spilled into the impacted tributary, flowing from left to right in the bottom left corner of the photo. There was no containment structure to prevent further downstream migration of impacted waters at the time of the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 16

Location: 36.893911, -96.126546		
City: Bowring	County/Parish: Osage	State: Oklahoma



Photo File Name: DSC0026

Orientation: n/a

Date of Photo: 06/01/2022

Time of Photo: 3:06 PM

Latitude: 36.899694

Longitude: -96.125182

Photographer: Matthew Allen

Description: This was a background TDS field reading of 124.6 mg/L taken in a small tributary just before it flowed into the impacted tributary. This tributary joined the impacted tributary at a point immediately downstream from the location where the last elevated TDS field reading was observed during the inspection.