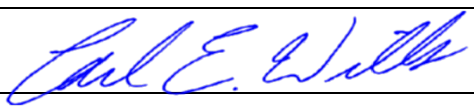


Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	06/09/2022	
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
Carl Wills	EPA, Region 6ECDWA	Inspector
EPA Lead Inspector Signature/Date		07/28/2022
	Carl Wills	Date
Supervisor Signature/Date		
	Esteban Herrera	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors Carl Wills and Matthew Allen arrived at the McCann Resources, Inc, Dixon-Rock Lease (EPA ID No. OKU002085) at 9:10 AM on 06/09/2022 for an unannounced inspection. There was no facility representative present at the time of the inspection. This was an EPA follow-up inspection in response to a National Response Center Spill Report (NRC# 1337567) which was received by EPA Region 6. EPA Inspector, Matthew Allen, previously conducted a spill inspection at the same location on 06/01/2022. The inspection was conducted by the authority of the Clean Water Act to determine compliance with Environmental Protection Agency (EPA) regulations. Carl Wills was the lead inspector during the inspection.

FACILITY DESCRIPTION

EPA conducted a follow-up 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. 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). I observed oil-stained vegetation present in the area surrounding the release point as well as disturbed soil, which was mostly free from oil staining, this was evidence of recent efforts to clean the flowpath of the spill. I observed a “background” Total Dissolved Solids (TDS) field of 124.8 mg/L approximately 25 feet upstream from the Point of Entry (POE) in a pool of water which was not impacted by the spill, this observation is documented in photo No. 2.

I observed the POE (GPS 36.893981, -96.126726) into the main channel of the impacted tributary. I observed a TDS field reading of 127.6 mg/L at the POE which is documented in photo No. 3.

Continuing downstream from the POE, I observed an elevated TDS field reading of 403.0 mg/L at (GPS 36.895229, -96.125882 which is documented in photo No. 4. I observed an elevated TDS field reading of 423.1 mg/L at (GPS 36.896307, -96.125445) which is documented in photo No. 5.

I observed an elevated TDS field reading of 473 mg/L and significant oil staining at (GPS 36.898963, -96.124948) these observations are documented in photos No. 7, 8 and 9. I observed oil stains on the vegetation along the top edge of the tributary’s banks which indicated the high flow level mark of the

tributary during recent rainfall events. This period of high flow and high-water level occurred while oil was present on the surface of the water.

I observed dead grass and charred vegetation at (GPS 36.899088, -96.124947) along the banks of the tributary which indicated oil or oil-stained vegetation had been burned at the location, these observations are documented in photo No. 10. At the same location, I observed a backhoe which had been used to place a temporary containment dam across the impacted tributary. I also observed an oil absorbent containment boom laying near the impacted tributary. I observed a floating, oil absorbent containment boom and a small amount of oil on the surface of the impacted tributary, these observations are documented in photo No. 11. Observations from photo No. 10 and 11 were all at the same location.

Approximately .55 miles downstream from the POE, I observed an elevated TDS field reading of 388.1 mg/L (GPS 36.899682, -96.125121) in the main channel of the impacted tributary, which is documented in photo No. 12. This was the location where I last observed spill impacts during the initial spill inspection conducted 06/01/2022. At the same location, I observed the remnants of a temporary containment dam which had been most washed away by recent rainfall events as well as significant oil staining on the vegetation along the banks of the impacted tributary. The remnant of the containment dam and oil staining are documented in photo No. 13.

I observed a TDS field reading of 189.0 mg/L at (GPS 36.899972, -96.124707), which is documented in photo No. 14. At the same location, I observed oil staining on the vegetation along the bank of the impacted tributary, which can be seen in photo No. 15. These observations were made approximately 150 feet downstream from the location where spill impacts were last documented during the initial inspection.

Section III – AREAS OF CONCERN

EPA Region 6 Inspector noted the primary areas of concern being the removal of small amounts of crude oil still present on the surface of the tributary as well as removal waters with elevated TDS from the tributary. The operator should clean or remove the oil-stained vegetation along the banks of the impacted tributary. A final area of concern is the need to ensure proper cleaning of the flowpath from the release point to the point of entry into the impacted tributary.

Section IV – FOLLOW UP

No additional information was received by EPA after 06/09/2022.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 15 photos taken 06/09/2022

Appendix 1

Photograph Log 15 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: DSCN0578

Orientation: N

Date of Photo: 06/09/2022

Time of Photo: 9:33 AM

Latitude: 36.893911

Longitude: -96.126546

Photographer: Matthew Allen

Description: This was the release point of the spill. Oil-stained grass was documented in the photo. The area of disturbed soil suggested recent clean-up efforts had been conducted.



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: DSCN0579

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 9:38 AM

Latitude: 36.893937

Longitude: -96.126835

Photographer: Matthew Allen

Description: This was a Total Dissolved Solids (TDS) field reading of 124.8 mg/L taken approximately 25 feet upstream from the Point of Entry (POE) into the tributary. This was taken in a pool of water which was not impacted by the spill and should be considered when establishing "background" TDS levels for the impacted tributary.



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: DSCN0580

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 9:40 AM

Latitude: 36.893981

Longitude: -96.126726

Photographer: Matthew Allen

Description: This was a TDS field reading of 127.6 mg/L taken at the POE into the main channel of the impacted tributary. This showed substantial improvement from the initial inspection and is now well within the "background" range for TDS in the area.



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: DSCN0583

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 9:54 AM

Latitude: 36.895229

Longitude: -96.125882

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 403.0 mg/L taken in the main channel of the impacted tributary, downstream from the POE.



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: DSCN0585

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 10:03 AM

Latitude: 36.896307

Longitude: -96.125445

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 423.1 mg/L taken in the main channel of the impacted tributary, downstream from the POE.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

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

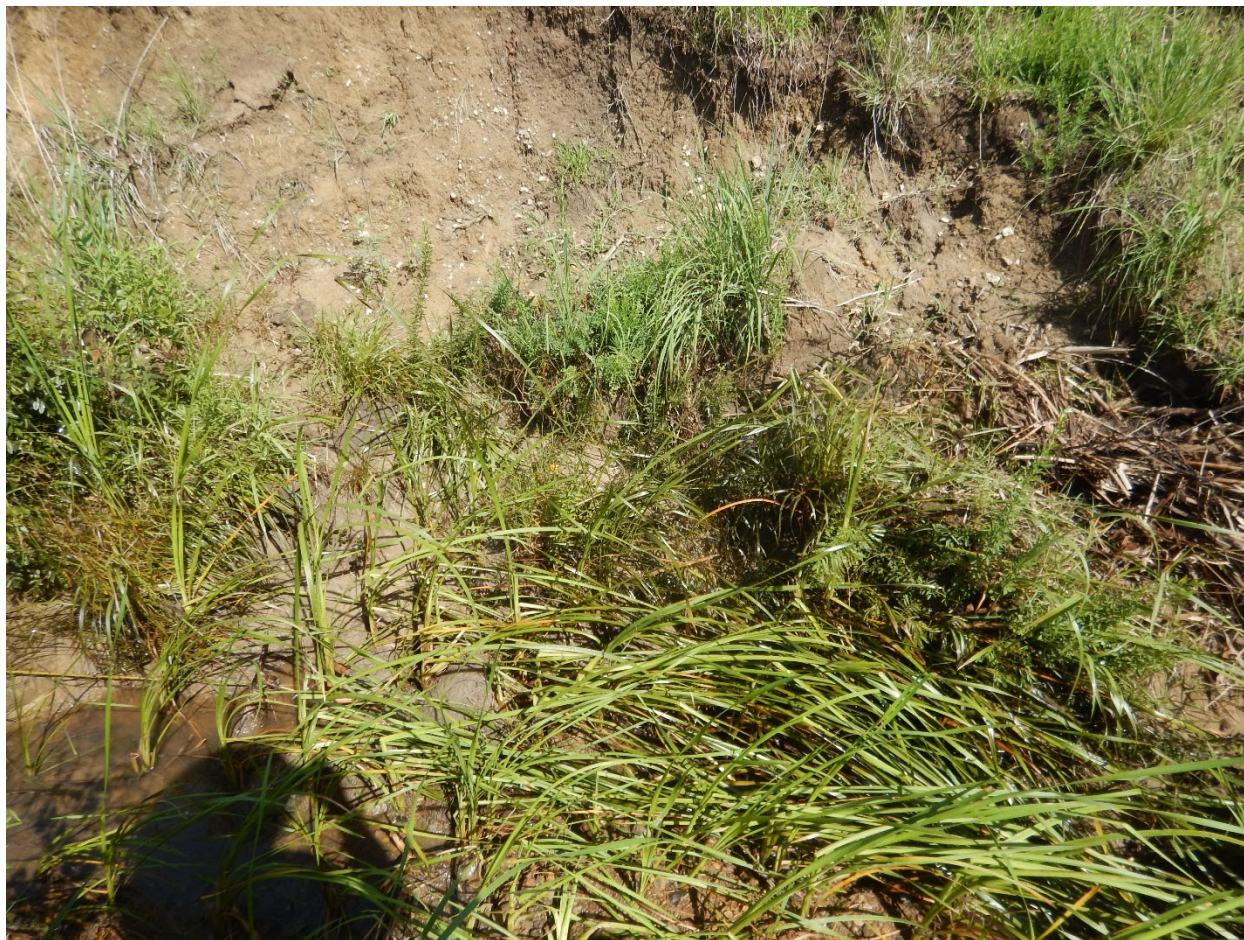


Photo File Name: DSCN0586

Orientation: W

Date of Photo: 06/09/2022

Time of Photo: 10:03 AM

Latitude: 36.896307

Longitude: -96.125445

Photographer: Matthew Allen

Description: This was a photo documenting oil-stained grass along the bank of the tributary. The oil-stained grass appeared "wet" or "glossy" in the photo.



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: DSCN0587

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 10:34 AM

Latitude: 36.898936

Longitude: -96.124948

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 473 mg/L taken in the main channel of the impacted tributary.



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: DSCN0588

Orientation: S

Date of Photo: 06/09/2022

Time of Photo: 10:36 AM

Latitude: 36.898936

Longitude: -96.124948

Photographer: Matthew Allen

Description: This photo documented the oil-stained vegetation along the banks of the tributary. The oil-stained vegetation was present at the top of the banks of the tributary, evidence that the stream flowed at maximum capacity while oil was still present on the surface of the water.



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: DSCN0589

Orientation: N

Date of Photo: 06/09/2022

Time of Photo: 10:36 AM

Latitude: 36.898936

Longitude: -96.124948

Photographer: Matthew Allen

Description: This photo documented the significant oil staining present on the vegetation along the banks of the impacted tributary. The oil-stained vegetation documented the high-water mark achieved during recent rainfall events along the impacted tributary.



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: DSCN0590

Orientation: N

Date of Photo: 06/09/2022

Time of Photo: 10:38 AM

Latitude: 36.899088

Longitude: -96.124947

Photographer: Matthew Allen

Description: This photo documented dead grass and charred vegetation along the banks of the impacted tributary. It appeared the oil had been burned along this portion of the tributary. There was an oil absorbent boom laying near the tributary. There was a green backhoe in the photo which had been used to place a temporary containment dam across 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: DSCN0591

Orientation: SW

Date of Photo: 06/09/2022

Time of Photo: 10:41 AM

Latitude: 36.899088

Longitude: -96.124947

Photographer: Matthew Allen

Description: This photo documented a small amount of oil floating on the surface of the tributary. There was a floating, oil absorbent containment boom installed on the tributary at this location. This is the same location where charred vegetation and dead grass were present.



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: DSCN0592

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 10:44 AM

Latitude: 36.899682

Longitude: -96.125121

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 388.1 mg/L taken in the main channel of the impacted tributary. This reading was taken approximately .55 miles downstream from the POE. This was the location of the furthest downstream documented spill impacts during the initial inspection.



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: DSCN0593

Orientation: SW

Date of Photo: 06/09/2022

Time of Photo: 10:46 AM

Latitude: 36.899682

Longitude: -96.125121

Photographer: Matthew Allen

Description: This was a photo of significant oil-stained vegetation along the impacted tributary. This was the location where a temporary containment dam had been placed across the impacted tributary but was washed away at the time of the inspection. The oil-stained vegetation defines the high-water mark achieved during recent rainfall events.



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: DSCN0597

Orientation: n/a

Date of Photo: 06/09/2022

Time of Photo: 10:54 AM

Latitude: 36.899972

Longitude: -96.124707

Photographer: Matthew Allen

Description: This was a TDS field reading of 189.0 mg/L taken downstream, beyond the point where any spill impacts were documented during the initial spill inspection.



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: DSCN0598

Orientation: NW

Date of Photo: 06/09/2022

Time of Photo: 10:55 AM

Latitude: 36.899972

Longitude: -96.124707

Photographer: Matthew Allen

Description: This photo documented oil-stained vegetation along the impacted tributary. The oil-staining documents the high-water mark along the tributary, which was achieved during recent rainfall, while oil was still present on the surface of the tributary. This was the furthest downstream location where spill impacts were observed.