

Region 6 - Enforcement & Compliance Assurance Division

INSPECTION REPORT

Inspection Date(s):	12/13/2023	
Media Program:	Water	
Regulatory Program(s)	Clean Water Act	
Company Name:	LBOC, LLC	
Facility Name:	Baker Sand Unit Tank Battery	
Facility Physical Location:	Latitude: 33.31714, Longitude: -92.51081	
(city, state, zip code)	El Dorado, AR, 71730	
Mailing address:	787 Baugh Street	
(city, state, zip code)	Norphlet, Arkansas, 71759	
County/Parish:	Union County	
Facility Phone Number	870-546-3457	
Facility Contact:	Scott Carter	Representative
	longbrosoil@yahoo.com	
FRS Number:	NA	
Identification/Permit Number:	ARU002199	
Media Identifier Number:	NA	
NAICS:	211111	
SIC:	1311	
Personnel participating in inspection:		
Chelsey Sherwood	EPA/Region 6 ECDW	Enforcement Officer/Inspector
Michael Blaha	EPA/Region 6 ECDW	Enforcement Officer/Inspector
Tamara Griffin	EPA/Region 6 ECDW	Enforcement Officer/Inspector
EPA Lead Inspector Signature/Date	CHELSEY SHERWOOD Digitally signed by CHELSEY SHERWOOD Date: 2024.02.07 11:31:10 -06'00'	
	Chelsey Sherwood	Date
Supervisor Signature/Date	MITTY GARCIA Digitally signed by MITTY GARCIA Date: 2024.02.07 13:56:28 -06'00'	
	Jeanne Eckhart (acting Chief Mitty Garcia)	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors Chelsey Sherwood, Michael Blaha, and Tamara Griffin arrived at LBOC, LLC., Baker Sand Unit Tank Battery, located off Champagnolle Landing (33.31714, -92.51081) at 10:30am on 12/13/2023 for an unannounced inspection. No facility representatives were present at the time of the inspection. The inspection was conducted by the authority of the Clean Water Act (CWA) to determine compliance with Environmental Protection Agency (EPA) regulations. There were no other federal, state, or local agency representatives present at the time of the inspection.

FACILITY DESCRIPTION

EPA conducted an inspection on LBOC, LLC., Baker Sand Unit Tank Battery which contains 5 tanks and 4 large green tanks which were not in use at the time of the inspection.

Section II - OBSERVATIONS

I observed the facility sign, secondary containment, tanks, barrels, and pipes located at the facility, see Appendix 1 (photo log), photo No. 1 and photo No. 2. For additional GPS location and photo metadata, see Appendix 1.

I observed no secondary containment on the front (northwest) side of the facility, see photo No. 2.

I observed loose oil, oil stains, and crystallization on soil within secondary containment, see photo No. 3.

I observed multiple unmarked barrels, see photo No. 3.

I observed loose oil and brine around the chine of the tank along with oil and brine stained soils around tanks, see photo No. 4.

I observed a large erosional hole in the ground with reddish, orange tinted water mixed with oil, photo No. 4.

I observed loose oil and brine going into pipe that discharges from secondary containment, see photo No. 5.

I observed large gapping on bottom of tank, service plate was removed, and the tank was not properly clean and marked out of service, see photo No. 5.

I observed active leaking from pipe coming out of secondary containment with black and reddish, orange staining on soil, gravel, and vegetation. Note: stressed and dead vegetation, see photo No. 6.

I observed the confluence of the impacted tributary and the Ouachita River, see photo No. 7.

I observed Total Dissolved Solids (TDS) readings of:

- 585 milligrams per liter (mg/L), approximately 1820 feet downstream from facility, see photo No. 8-9.
- 5456 milligrams per liter (mg/L), approximately 1680 feet downstream from facility, see photo No. 10.
- 582 milligrams per liter (mg/L), approximately 1600 feet downstream from facility, see photo No. 11.
- 4111 milligrams per liter (mg/L), approximately 1600 feet downstream from facility, see photo No. 12-14.
- 12736 milligrams per liter (mg/L), approximately 1425 feet downstream from facility, see photo No. 15-16.
- 10249 milligrams per liter (mg/L), approximately 1295 feet downstream from facility, see photo No. 17-18.
- 19275 milligrams per liter (mg/L), approximately 1096 feet downstream from facility, see photo No. 19-20. This was the highest TDS field reading during the inspection.
- 7845 milligrams per liter (mg/L), approximately 1030 feet downstream from facility, see photo No. 21-23.
- 3302 milligrams per liter (mg/L), approximately 956 feet downstream from facility, see photo No. 24-26.
- 3425 milligrams per liter (mg/L), approximately 610 feet downstream from facility, see photo No. 30-32.
- 5117 milligrams per liter (mg/L), approximately 505 feet downstream from facility, see photo No. 34-36.
- 7134 milligrams per liter (mg/L), approximately 225 feet downstream from facility, see photo No. 39-41.

I observed reddish, orange tinted water, thick oil sheen on top of water, and black/grey staining on soil and vegetation, and stressed vegetation throughout the flowpath, see photo log No. 27-31, 33, 35-40, 42-44.

I observed the Point of Entry of the unnamed tributary 1 and unnamed tributary 2, see photo No. 21.

I observed the Point of Entry into unnamed tributary 1 from discharge pipe from secondary containment, see photo No. 45.

All TDS field readings observed throughout the inspection were taken with a properly calibrated, EPA issued, YSI pro 30 conductivity meter.

Section III – AREAS OF CONCERN

No closing conference was held due to no LBOC, LLC. staff being present during the inspection. Areas of concern at the time of the inspection include: 1) no secondary containment on front side of facility; 2) loose oil within secondary containment; 3) multiple unmarked barrels; 4) loose oil and brine around the chine of the tank and a large erosional hole in the ground with reddish, orange tinted water and oil sheen; 5) loose oil and brine going into a pipe that discharges from secondary containment; 6) large gapping on bottom of tank, service plate was removed, and the tank was not properly cleaned and marked out of service; 7) leaking from pipe coming out of secondary containment with black and

reddish, orange staining on soil, gravel, and vegetation. Note: stressed and dead vegetation around and downstream from pipe; 8) elevated TDS readings downstream from facility; and 9) potential of contaminants to enter the Ouachita River, a Traditional Navigable Water, which is approximately only 0.45 miles downstream (see downstream analysis flow path map).

Section IV – FOLLOW UP

Inspector will conduct follow-up phone calls with the company representatives over the coming weeks and months to ensure areas of concern are properly addressed.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 45 photos taken 12/13/2023

Appendix 2 – Downstream Analysis Flow Path Map

Appendix 1

Photograph Log

45 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6209

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 10:40 AM

Latitude: 33.317117

Longitude: -92.510891

Photographer: Chelsey Sherwood

Description: This photo was taken looking S at the facility showing the facility sign.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6224

Orientation: SE

Date of Photo: 12/13/2023

Time of Photo: 12:43 PM

Latitude: 33.31712

Longitude: -92.51117

Photographer: Chelsey Sherwood

Description: This photo was looking SE showing an overview of the facility. Note: no secondary containment on the front (northwest) side of facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6225

Orientation: E

Date of Photo: 12/13/2023

Time of Photo: 12:45 PM

Latitude: 33.317081

Longitude: -92.510939

Photographer: Chelsey Sherwood

Description: This photo was looking E showing loose oil, oil stains and crystallization on soil, and unmarked barrels.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6226

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 12:46 PM

Latitude: 33.316926

Longitude: -92.510750

Photographer: Chelsey Sherwood

Description: This photo was looking N showing oil and brine stained soils around tank and large erosional hole in the ground with reddish, orange tinted water mixed with oil.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6227

Orientation: SW

Date of Photo: 12/13/2023

Time of Photo: 12:58 PM

Latitude: 33.317193

Longitude: -92.510400

Photographer: Chelsey Sherwood

Description: This photo was looking SW showing loose oil and brine going into pipe from secondary containment. Also, note gapping on tank and no service plate on back left tank.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6228

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 12:59 PM

Latitude: 33.317240

Longitude: -92.510300

Photographer: Chelsey Sherwood

Description: This photo was looking S showing oil leaking from pipe coming out of secondary containment. Note: flow path, stressed and dead vegetation, and appeared to be saltwater and oil stains on soil, gravel, and vegetation.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6210

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 11:16 AM

Latitude: 33.32262

Longitude: -92.50837

Photographer: Chelsey Sherwood

Description: This photo was taken looking N at the confluence of the impacted unnamed tributary 2 and the Ouachita River.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6211

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 11:27 AM

Latitude: 33.32175

Longitude: -92.50865

Photographer: Chelsey Sherwood

Description: This photo was taken looking S, from river left of the impacted unnamed tributary 2 facing upstream. The TDS field reading observed in photo No. 9 was taken at this location. The TDS field reading observed in photo No. 9 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6212

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 11:29 AM

Latitude: 33.32175

Longitude: -92.50865

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 to the Ouachita River, with a Total Dissolved Solids (TDS) reading of 585 milligrams per liter (mg/L), approximately 1820 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6213

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 11:34 AM

Latitude: 33.32157

Longitude: -92.50888

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 to the Ouachita River, with a Total Dissolved Solids (TDS) reading of 5456 milligrams per liter (mg/L), approximately 1680 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6214

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 11:37 AM

Latitude: 33.32143

Longitude: -92.50891

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 582 milligrams per liter (mg/L), approximately 1600 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6215

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 11:45 AM

Latitude: 33.32108

Longitude: -92.50871

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 4111 milligrams per liter (mg/L), approximately 1600 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6216

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 11:47 AM

Latitude: 33.32108

Longitude: -92.50871

Photographer: Chelsey Sherwood

Description: This photo was taken looking N, from river left facing downstream of the unnamed tributary 2. The TDS field reading observed in photo No. 12 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6217

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 11:48 AM

Latitude: 33.32108

Longitude: -92.50871

Photographer: Chelsey Sherwood

Description: This photo was taken looking S, from river left facing upstream of the unnamed tributary 2. The TDS field reading observed in photo No. 12 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 15

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6218

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 11:51 AM

Latitude: 33.32076

Longitude: -92.50841

Photographer: Chelsey Sherwood

Description: This photo was taken looking S, from the stream bed facing upstream of the unnamed tributary 2. The TDS field reading observed in photo No. 16 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 16

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6219

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 11:54 AM

Latitude: 33.32075

Longitude: -92.50847

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 12736 milligrams per liter (mg/L), approximately 1425 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 17

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas

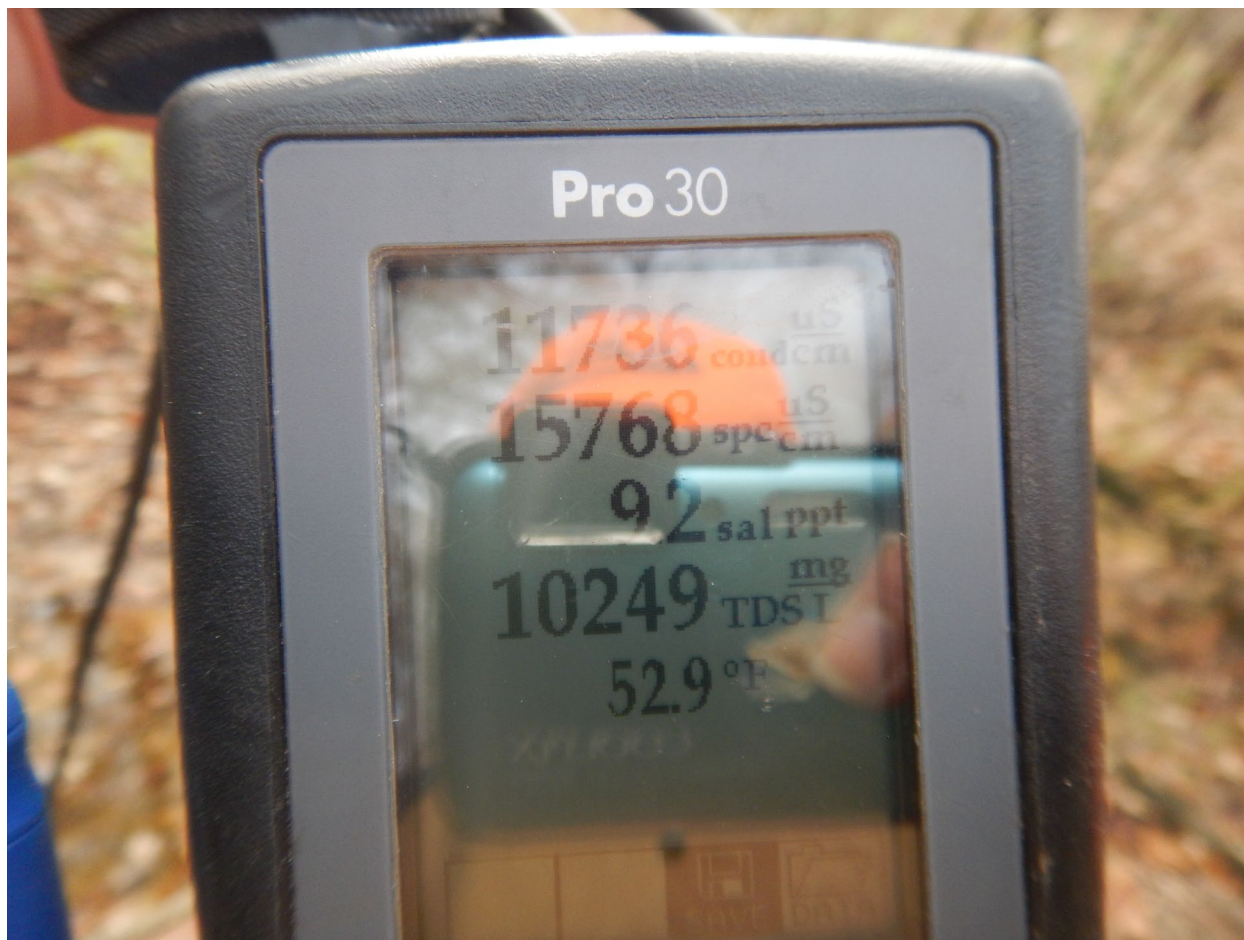


Photo File Name: 6220

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 12:00 PM

Latitude: 33.32045

Longitude: -92.50883

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 10249 milligrams per liter (mg/L), approximately 1295 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 18

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6221

Orientation: E

Date of Photo: 12/13/2023

Time of Photo: 12:03 PM

Latitude: 33.32045

Longitude: -92.50883

Photographer: Chelsey Sherwood

Description: This photo was looking E, from river left across to river right of the unnamed tributary 2. The TDS field reading observed in photo No. 17 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 19

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6222

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 12:09 PM

Latitude: 33.31975

Longitude: -92.50853

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 19275 milligrams per liter (mg/L), approximately 1096 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 20

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6223

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 12:10 PM

Latitude: 33.31975

Longitude: -92.50853

Photographer: Chelsey Sherwood

Description: This photo was looking S, from river left looking upstream of the unnamed tributary 2.

Note: reddish, hazy water. The TDS field reading observed in photo No. 19 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 21

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6229

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:13 PM

Latitude: 33.31948

Longitude: -92.50848

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream from stream bed of the unnamed tributary 2 showing confluence of the Point of Entry of unnamed tributary 1 and unnamed tributary 2. Note: Point of Entry to your southwest and the unnamed tributary 2 continues to the southeast. The TDS field reading observed in photo No. 23 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 22

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6230

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:13 PM

Latitude: 33.31948

Longitude: -92.50848

Photographer: Chelsey Sherwood

Description: This photo was looking N, from the stream bed facing downstream of the unnamed tributary 2. The TDS field reading observed in photo No. 23 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 23

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6231

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 1:15 PM

Latitude: 33.31948

Longitude: -92.50848

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 7845 milligrams per liter (mg/L), approximately 1030 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 24

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6232

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 1:16 PM

Latitude: 33.31933

Longitude: -92.50852

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings in the unnamed tributary 2 of Ouachita River, with a Total Dissolved Solids (TDS) reading of 3302 milligrams per liter (mg/L), approximately 956 feet downstream from facility. Note: This is above the Point of Entry of confluence of unnamed tributary 1 and unnamed tributary 2.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 25

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6233

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:17 PM

Latitude: 33.31933

Longitude: -92.50852

Photographer: Chelsey Sherwood

Description: This photo was looking S, from the stream bed facing upstream above the confluence of the Point of Entry of unnamed tributary 1 and unnamed tributary 2. The TDS field reading observed in photo No. 24 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 26

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6234

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:17 PM

Latitude: 33.31933

Longitude: -92.50852

Photographer: Chelsey Sherwood

Description: This photo was looking N, from the stream bed facing downstream above the confluence of the Point of Entry of unnamed tributary 1 and unnamed tributary 2. The TDS field reading observed in photo No. 24 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 27

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6235

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:20 PM

Latitude: 33.31862

Longitude: -92.50856

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1 showing reddish, orange tint to water and oil sheen on water.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 28

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6236

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:24 PM

Latitude: 33.31839

Longitude: -92.50855

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1/wetland complex showing reddish, orange tint to water and thick oil sheen on water.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 29

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6237

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:25 PM

Latitude: 33.31839

Longitude: -92.50855

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1/wetland complex showing reddish, orange tint to water and thick oil sheen on water.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 30

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6238

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:26 PM

Latitude: 33.31834

Longitude: -92.50888

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1/wetland complex showing reddish, orange tint to water and thick oil sheen on water. The TDS field reading observed in photo No. 32 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 31

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6239

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:26 PM

Latitude: 33.31834

Longitude: -92.50888

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1/wetland complex showing reddish, orange tint to water and thick oil sheen on water. The TDS field reading observed in photo No. 32 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 32

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6241

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 1:28 PM

Latitude: 33.31834

Longitude: -92.50888

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings, with a Total Dissolved Solids (TDS) reading of 3425 milligrams per liter (mg/L), approximately 610 feet downstream from facility. Note: Photo 6240 was duplicate of 6241.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 33

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6242

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:30 PM

Latitude: 33.31815

Longitude: -92.50883

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream showing reddish, orange tint to water and oil sheen.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 34

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: 6243

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 1:34 PM

Latitude: 33.31833

Longitude: -92.50933

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings, with a Total Dissolved Solids (TDS) reading of 5117 milligrams per liter (mg/L), approximately 505 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 35

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010331

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:31 PM

Latitude: 33.31833

Longitude: -92.50933

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1. The TDS field reading observed in photo No. 34 was taken at this location. Note: File name changes and time of photos from photo number 35-46 because camera died and had to use the other camera.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 36

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010332

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:32 PM

Latitude: 33.31833

Longitude: -92.50933

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1 showing black staining on sediment and reddish, orange tinted water. The TDS field reading observed in photo No. 34 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 37

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010333

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:34 PM

Latitude: 33.31800

Longitude: -92.50975

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1 showing thick oil sheen on water and reddish, orange tinted water.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 38

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010334

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:34 PM

Latitude: 33.31800

Longitude: -92.50975

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1 showing thick oil sheen on water and reddish, orange tinted water. Also note appears to be black/grey staining on the soil and vegetation below Ordinary High Water Mark and on top of stream bank.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 39

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010336

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:36 PM

Latitude: 33.31774

Longitude: -92.51000

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1, showing thick oil sheen on water and black/grey staining on soil and stressed vegetation. Also, noted a strong chemical odor. Note: Photo R0010335 is duplicate and blurry so not included. The TDS field reading observed in photo No. 41 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 40

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010337

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:36 PM

Latitude: 33.31774

Longitude: -92.51000

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1 showing reddish, orange tinted water, thick oil sheen on water and black staining on soil and vegetation. The TDS field reading observed in photo No. 41 was taken at this location.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 41

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010338

Orientation: N/A

Date of Photo: 12/13/2023

Time of Photo: 1:38 PM

Latitude: 33.31774

Longitude: -92.51000

Photographer: Chelsey Sherwood

Description: This photo was showing YSI meter readings, with a Total Dissolved Solids (TDS) reading of 7134 milligrams per liter (mg/L), approximately 225 feet downstream from facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 42

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010339

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:38 PM

Latitude: 33.31772

Longitude: -92.51005

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1 showing reddish, orange tinted water, oil sheen on water, and black stained sediment along banks.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 43

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010340

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:40 PM

Latitude: 33.31769

Longitude: -92.51016

Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream of unnamed tributary 1 showing thick oil sheen on water and reddish, orange tinted water. Also note black/grey stained soils.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 44

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010341

Orientation: N

Date of Photo: 12/13/2023

Time of Photo: 1:43 PM

Latitude: 33.31736

Longitude: -92.51028

Photographer: Chelsey Sherwood

Description: This photo was looking N, downstream of unnamed tributary 1 showing black/grey staining on stream bed and banks.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 45

Location: 33.31714, -92.51081		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: R0010342

Orientation: S

Date of Photo: 12/13/2023

Time of Photo: 1:44 PM

Latitude: 33.31736

Longitude: -92.51028

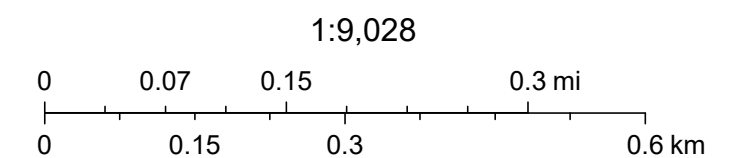
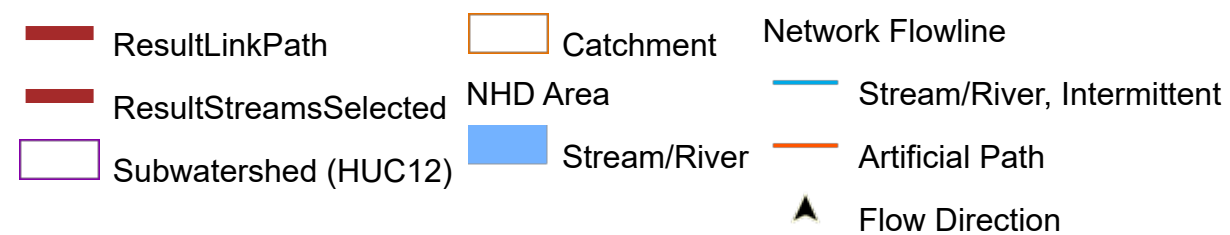
Photographer: Chelsey Sherwood

Description: This photo was looking S, upstream at Point of Entry into unnamed tributary 1, showing the culvert under road and the discharge pipe from secondary containment.

LBOC, LLC Baker Sand Unit Tank Battery Downstream Flow Path Analysis



2/5/2024, 7:51:47 AM



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LBOC, LLC Baker Sand Unit Tank Battery Photo Locations

Legend

 Photos

