

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	10/08/2024	
Media Program:	Water (CWA)	
Regulatory Program(s)	Water (CWA) Brine Program (Oil & Gas inspection)	
Company Name:	Pharr, Billy W (B Pharr Operating, LLC)	
Facility Name:	Bo Gregory 2 SWD Tank Battery	
Facility Physical Location:	In Old Union from Highway 63 N, then Armer Rd, and left onto an oil lease road at 33.253333, -92.538889	
(city, state, zip code)	El Dorado, AR, 71730	
Mailing address:	P.O. Box 130	
(city, state, zip code)	Emerson, AR, 71740	
County/Parish:	Union County	
Facility Phone Number	870-904-5573	
Facility Contact:	Billy Pharr	Owner / Operator
	bp@hydrooil.net	
FRS Number:	N/A	
Identification/Permit Number:	ARU002254	
Media Identifier Number:	N/A	
NAICS:	211111	
SIC:	1311	
Personnel participating in inspection:		
Kerri McCabe (lead)	EPA / Region 6 ECDW	Inspector / Enforcement Officer
Michael Blaha	EPA / Region 6 ECDW	Inspector / Enforcement Officer
Uma Lad	EPA / Region 6 ECDW	Inspector / Enforcement Officer
EPA Lead Inspector Signature/Date	KERRI MCCABE Digitally signed by KERRI MCCABE Date: 2024.10.22 11:36:37 -05'00'	
	Kerri McCabe	Date
Supervisor Signature/Date	JEANNE ECKHART Digitally signed by JEANNE ECKHART Date: 2024.10.29 15:49:43 -05'00'	
	Jeanne Eckhart	Date

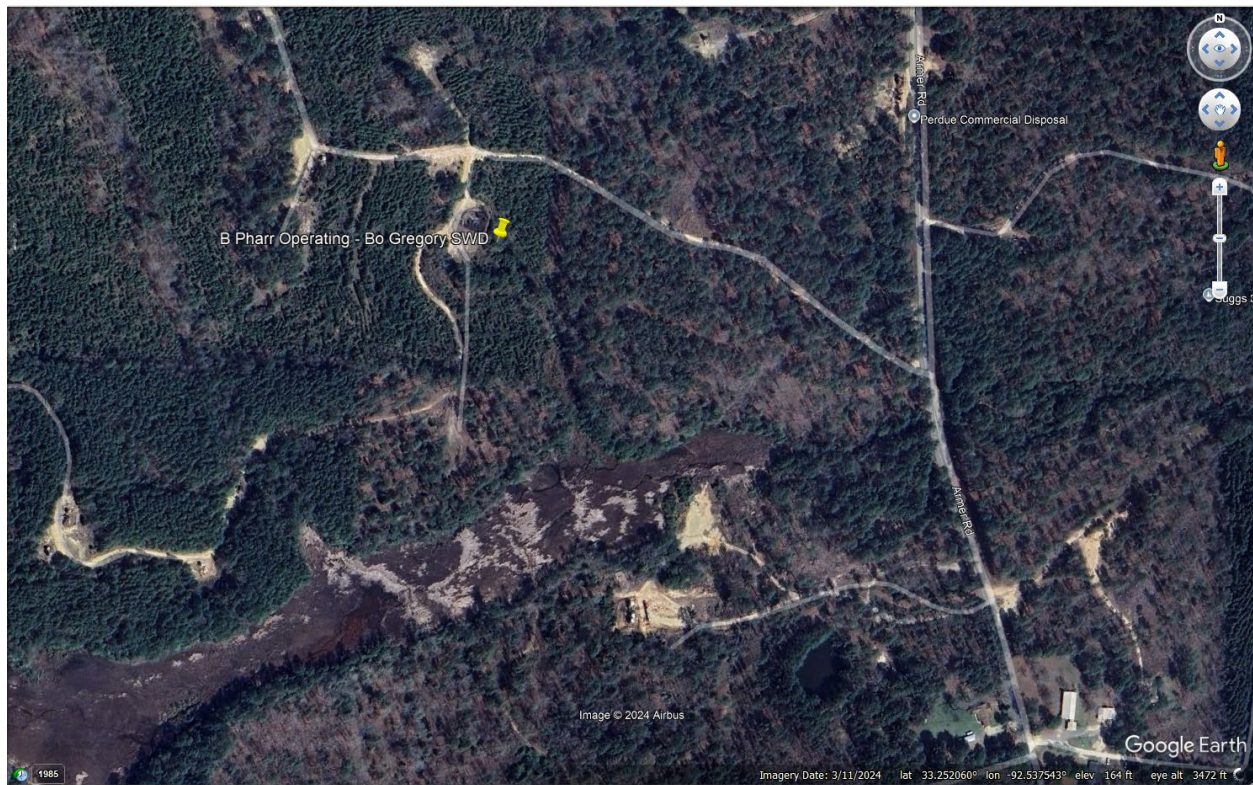
Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors Kerri McCabe (lead), Michael Blaha, and Uma Lad arrived at the Pharr, Billy W (B Pharr Operating, LLC) / Bo Gregory 2 SWD Tank Battery, located from Highway 63 E, then Armer Rd, left onto an oil lease road at 33.253333, -92.538889; at 1645 on 10/08/2024 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 the Pharr, Billy W (B Pharr Operating, LLC) / Bo Gregory 2 SWD Tank Battery, which contained one (1) tank battery, four (4) storage/separation tanks for crude oil and saltwater, and two (2) Saltwater Disposal (SWD) wells.



Map 1. Aerial imagery (Google Earth dated 03/11/2024) of the Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery.

Section II - OBSERVATIONS

I observed the Pharr, Billy W (B Pharr Operating, LLC) / Bo Gregory 2 SWD Tank Battery, signage, and associated secondary containment, storage tanks, separators/treaters, and saltwater disposal (SWD) wells; see Appendix 1 (Photographs Log), see Photo No. 1, No. 2, and No. 13. For additional GPS location and photo metadata, see Appendix 1.

I observed loose oil inside secondary containment, see Photo No. 3 through No. 5, No. 7 and No. 8, and No. 12.

I observed disturbed areas of the secondary containment with evidence of repairs made to tanks, pumps, and the berm; see Photo No. 6, No. 9 and No. 10, No. 17, and No. 19.

I observed two points of crude oil/saltwater release from the facility and associated SWD, see Photo No. 11 and No. 14.

I observed a labeled barrel containing toxic material outside secondary containment, see Photo No. 15 and No. 16.

I observed the flowpath of the release of crude oil/saltwater, see Photo No. 18 through No. 30. Directional arrows have been added for clarity.

I observed a Total Dissolved Solids (TDS) reading of 1,708 mg/L for the release Point of Entry (POE) into a wetland associated with an unnamed tributary (UT) of Mill Creek, see Photo No. 31 through No. 33.

I observed a TDS reading of 3,145 mg/L downstream of the POE for the release at a bridge crossing for the UT of Mill Creek, see Photo No. 34 through No. 36.

Note: All TDS field readings observed throughout the inspection were taken with a properly calibrated, EPA-issued, YSI Pro30 Conductivity/TDS/Salinity/Temperature Meter (#Y60530).

Section III – AREAS OF CONCERN

No closing conference was held due to no personnel with Pharr, Billy W (B Pharr Operating, LLC) being present during the inspection. The operator was notified by the Arkansas Oil and Gas Commission (AOGC) on 10/09/2024. Areas of concern at the time of the inspection include the following:

- Loose, residual oil inside and outside secondary containment for the facility,
- Two release points of crude oil/saltwater from the facility into wetlands and surface water,
- A labeled barrel outside secondary containment,
- Residual crude oil/saltwater along the flowpath into wetlands and surface water, and
- Elevated TDS readings at the release POE and in an UT of Mill Creek.

Section IV – FOLLOW UP

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

Section V – LIST OF APPENDICES

Appendix 1 – Photograph Log – 36 photos taken 10/08/2024.

Appendix 1

Photograph Log 36 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0131

Orientation: S-SE

Date of Photo: 10/08/2024

Time of Photo: 18:28

Latitude: 33.253624

Longitude: -92.539154

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows the signage at the facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: PA08-0132

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:29

Latitude: 33.253641

Longitude: -92.539195

Photographer: Kerri McCabe

Description: Looking SW, this photo shows an overview of the Bo Gregory 2 SWD Tank Battery facility with one of two saltwater disposal (SWD) wells onsite.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0134

Orientation: S-SE

Date of Photo: 10/08/2024

Time of Photo: 18:29

Latitude: 33.253550

Longitude: -92.539192

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows inside the tank battery with staining from crude oil on the berm levee.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0135

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:30

Latitude: 33.253469

Longitude: -92.539148

Photographer: Kerri McCabe

Description: Looking SW, this photo shows the backside of the tank battery with loose oil, oil staining, and sand from berm repairs.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0136

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:30

Latitude: 33.253469

Longitude: -92.539148

Photographer: Kerri McCabe

Description: Looking SW, this photo shows a closeup of the loose oil, oil staining, and sand within secondary containment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0137

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:30

Latitude: 33.253469

Longitude: -92.539148

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows a section of the berm that had been breached to replace the drainpipe through the berm.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0138

Orientation: W

Date of Photo: 10/08/2024

Time of Photo: 18:30

Latitude: 33.253479

Longitude: -92.539147

Photographer: Kerri McCabe

Description: Looking W, this photo shows an active leak of crude oil from a valve and a gap under the tank.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0140

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:31

Latitude: 33.253461

Longitude: -92.539049

Photographer: Kerri McCabe

Description: Looking SW, this photo shows an overview of the loose oil pooled within the berm and the high-level mark from oil staining.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0141

Orientation: N-NW

Date of Photo: 10/08/2024

Time of Photo: 18:31

Latitude: 33.253612

Longitude: -92.539027

Photographer: Kerri McCabe

Description: Looking N-NW, this photo shows area at the front of the tank battery that had been breached to allow heavy equipment inside the berm.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0142

Orientation: S

Date of Photo: 10/08/2024

Time of Photo: 18:31

Latitude: 33.253612

Longitude: -92.539027

Photographer: Kerri McCabe

Description: Looking S, this photo shows heavy equipment tracking on the sand inside the secondary containment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0143

Orientation: E-NE

Date of Photo: 10/08/2024

Time of Photo: 18:31

Latitude: 33.253612

Longitude: -92.539027

Photographer: Kerri McCabe

Description: Looking E-NE, this photo shows the separator with evidence of overflow.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0144

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:32

Latitude: 33.253554

Longitude: -92.539143

Photographer: Kerri McCabe

Description: Looking SW, this photo shows extensive oil staining inside the secondary containment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0127

Orientation: SE

Date of Photo: 10/08/2024

Time of Photo: 18:26

Latitude: 33.253347

Longitude: -92.539312

Photographer: Kerri McCabe

Description: Looking SE, this photo shows two of two SWD wells onsite.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0126

Orientation: S

Date of Photo: 10/08/2024

Time of Photo: 18:26

Latitude: 33.253347

Longitude: -92.539312

Photographer: Kerri McCabe

Description: Looking S, this photo shows one of two release points located at the site.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 15

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0128

Orientation: N-NW

Date of Photo: 10/08/2024

Time of Photo: 18:27

Latitude: 33.253347

Longitude: -92.539312

Photographer: Kerri McCabe

Description: Looking N-NW, this photo shows a barrel labeled with "Plexbreak 45 (UN 1993)," which contained fluid during the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 16

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0129

Orientation: N-NE

Date of Photo: 10/08/2024

Time of Photo: 18:27

Latitude: 33.253347

Longitude: -92.539312

Photographer: Kerri McCabe

Description: Looking N-NE, this photo shows an additional view of the barrel in Photo No. 15.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 17

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0130

Orientation: W-SW

Date of Photo: 10/08/2024

Time of Photo: 18:27

Latitude: 33.253347

Longitude: -92.539312

Photographer: Kerri McCabe

Description: Looking W-SW, this photo shows disturbed soil around the containment berm; oil staining is highlighted.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 18

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0124

Orientation: S-SE

Date of Photo: 10/08/2024

Time of Photo: 18:24

Latitude: 33.253445

Longitude: -92.538995

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows oil staining from an overflow that occurred from the secondary containment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 19

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0125

Orientation: W-SW

Date of Photo: 10/08/2024

Time of Photo: 18:24

Latitude: 33.253401

Longitude: -92.539079

Photographer: Kerri McCabe

Description: Looking W-SW, this photo shows evidence of overflow and replaced drainpipe from the secondary containment.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 20

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0123

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 18:20

Latitude: 33.253315

Longitude: -92.539064

Photographer: Kerri McCabe

Description: Looking SW, this photo shows the beginning of the flowpath for the overflow that occurred at the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 21

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0122

Orientation: W-NW

Date of Photo: 10/08/2024

Time of Photo: 18:20

Latitude: 33.253315

Longitude: -92.539064

Photographer: Kerri McCabe

Description: Looking N-NW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 22

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0121

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:20

Latitude: 33.253315

Longitude: -92.539064

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 23

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0120

Orientation: S

Date of Photo: 10/08/2024

Time of Photo: 18:17

Latitude: 33.252831

Longitude: -92.538637

Photographer: Kerri McCabe

Description: Looking S, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 24

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0119

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:16

Latitude: 33.252732

Longitude: -92.538435

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 25

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.		
City: El Dorado	County/Parish: Union	State: Arkansas



Photo File Name: PA08-0118

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:16

Latitude: 33.252561

Longitude: -92.538270

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 26

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0117

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:15

Latitude: 33.252359

Longitude: -92.538183

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 27

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0116

Orientation: S

Date of Photo: 10/08/2024

Time of Photo: 18:14

Latitude: 33.252206

Longitude: -92.538173

Photographer: Kerri McCabe

Description: Looking S, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 28

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0115

Orientation: S-SW

Date of Photo: 10/08/2024

Time of Photo: 18:13

Latitude: 33.252043

Longitude: -92.538111

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 29

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0114

Orientation: S

Date of Photo: 10/08/2024

Time of Photo: 18:13

Latitude: 33.251919

Longitude: -92.538067

Photographer: Kerri McCabe

Description: Looking S, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 30

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0113

Orientation: S-SE

Date of Photo: 10/08/2024

Time of Photo: 18:13

Latitude: 33.251919

Longitude: -92.538067

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows the continuation of the flowpath from the overflow from the secondary containment; flowpath has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 31

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0110

Orientation: E

Date of Photo: 10/08/2024

Time of Photo: 18:06

Latitude: 33.251762

Longitude: -92.538089

Photographer: Kerri McCabe

Description: Looking E, this photo shows the Total Dissolved Solids (TDS) reading of 1,708 mg/L at the point of entry into a wetland downstream of the flowpath of the release.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 32

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0111

Orientation: NE

Date of Photo: 10/08/2024

Time of Photo: 18:08

Latitude: 33.251762

Longitude: -92.538089

Photographer: Kerri McCabe

Description: Looking NE, this photo shows the area upstream of the TDS reading in Photo No. 31. Note reddish staining and petroleum sheen caused by a saltwater/crude oil discharge (bottom right).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 33

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0112

Orientation: S-SE

Date of Photo: 10/08/2024

Time of Photo: 18:08

Latitude: 33.251762

Longitude: -92.538089

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows the area downstream of the TDS reading in Photo No. 31; stream flow direction has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 34

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0147

Orientation: N-NW

Date of Photo: 10/08/2024

Time of Photo: 19:13

Latitude: 33.251899

Longitude: -92.534467

Photographer: Kerri McCabe

Description: Looking N-NW, this photo shows the TDS reading of 3,145 mg/L for the unnamed tributary (UT) of Mill Creek, which is downstream of the release site.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 35

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0107

Orientation: SW

Date of Photo: 10/08/2024

Time of Photo: 16:56

Latitude: 33.251899

Longitude: -92.534467

Photographer: Kerri McCabe

Description: Looking SW, this photo shows the area upstream of the TDS reading in Photo No. 34; stream flow direction has been highlighted for clarity.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 36

Location: Pharr, Billy W (B Pharr Operating, LLC) – Bo Gregory 2 SWD Tank Battery in Old Union at 33.253333, -92.538889.

City: El Dorado

County/Parish: Union

State: Arkansas



Photo File Name: PA08-0108

Orientation: SE

Date of Photo: 10/08/2024

Time of Photo: 16:57

Latitude: 33.251899

Longitude: -92.534467

Photographer: Kerri McCabe

Description: Looking SE, this photo shows the area downstream of the TDS reading in Photo No. 34; stream flow direction has been highlighted for clarity.