2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] C-147 Annual Extension 2024-2025

[373075] XTO PERMIAN OPERATING LLC January 31, 2024

Kristen Houston
Regulatory Analyst
XTO Permian Operating, LLC
6401 Holiday Hill Road, Bldg 5
Midland, TX 79707

XTO ENERGY
An ExxonMobil Subsidiary

January 22, 2024

Victoria Venegas
ENMRD-Oil Conservation Division
Environmental Bureau -
506 W. Texas Ave.
Artesia, NM 88210

Re: Administrative Order 2RF-124
PLU Central 2 Recycling Facility
Facility ID (fAB1805931927)

Victoria,

XTO Permian Operating, LLC. Respectfully requests a one-year extension to the existing C-147 permit for the PLU Central 2 Recycling Facility. The annual extension requests of the Permit 2RF-124 PLU Central 2 recycling Facility ID (fab1805931927) from February 26, 2024, to February 25, 2025.

If you have any questions or need any additional information, please feel free to contact me at (432)894-1588.

Sincerely,

Kristen Houston

Kristen Houston
Regulatory Analyst

State of New Mexico
Energy Minerals and Natural Resources
Department Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
https://www.emnrd.nm.gov/ocd/ocd-e-permitting/

Form C-147
Revised October 11, 2022

Recycling Facility and/or Recycling Containment

Type of Facility: [X] Recycling Facility [X] Recycling Containment*

Type of action: [X] Permit [ ] Registration
[ ] Modification [X] Extension
[ ] Closure [ ] Other (explain) _____

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: XTO Permian Operating LLC (For multiple operators attach page with information) OGRID #: 373075
Address: 6401 Holiday Hill Rd Bldg 5 Midland Tx 79707
Facility or well name (include API# if associated with a well): PLU Central 2 Recycling Facility
OCD Permit Number: 2RF-124/fAB1805931927 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr A/H Section 11 Township 25S Range 30E County: Eddy
Surface Owner: [X] Federal [ ] State [ ] Private [ ] Tribal Trust or Indian Allotment

2.
[X] **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.150690 Longitude -103.847266 NAD83
Proposed Use: [X] Drilling* [X] Completion* [X] Production* [X] Plugging *
The re-use of produced water may NOT be used until fresh water zones are cased and cemented*
[ ] Other, ***requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.***
[X] Fluid Storage
[ ] Above ground tanks [X] Recycling containment [ ] Activity permitted under 19.15.17 NMAC explain type_____
[ ] Activity permitted under 19.15.36 NMAC explain type:_____ [ ] Other explain _____
[ ] For multiple or additional recycling containments, attach design and location information of each containment
[ ] **Closure Report (required within 60 days of closure completion):** [ ] Recycling Facility Closure Completion Date:_____

3.
[X] **Recycling Containment:**
[X] Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
Center of Recycling Containment (if applicable): Latitude 32.148685 Longitude -103.847273 NAD83
[ ] For multiple or additional recycling containments, attach design and location information of each containment
[X] Lined [ ] Liner type: Thickness _____mil [X] LLDPE [X] HDPE [ ] PVC [ ] Other _____
[ ] String-Reinforced
Liner Seams: [X] Welded [ ] Factory [ ] Other _____ Volume: 500,000 x 2 bbl Dimensions: L 1500' x W 705' x D 16'
[ ] Recycling Containment Closure Completion Date:_____

4.

Bonding:

☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC **(These containments are limited to only the wells owned or operated by the owners of the containment.)**

☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond $_____ **(work on these facilities cannot commence until bonding amounts are approved)**

☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☒ Alternate. Please specify 8' game fence w/ 3 strands barbed wire

6.

Signs:

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting

Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; written approval obtained from the municipality	☐ Yes ☒ No ☐ NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map	☐ Yes ☒ No
Within a 100-year floodplain. FEMA map	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; aerial photo; satellite image	☐ Yes ☒ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	☐ Yes ☒ No

9.
Recycling Facility and/or Containment Checklist:
Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☐ Design Plan - based upon the appropriate requirements.
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☐ Closure Plan - based upon the appropriate requirements.
- ☐ Site Specific Groundwater Data -
- ☐ Siting Criteria Compliance Demonstrations –
- ☐ **Certify that notice of the C-147 (only) has been sent to the surface owner(s)**

10.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kristen Houston Title: Regulatory Analyst

Signature: Kristen Houston Date: 1/22/24

e-mail address: kristen.houston@exxonmobil.com Telephone: (432)894-1588

11.
OCD Representative Signature: Victoria Venegas **Approval Date:** 01/31/2024

Title: Environmental Specialist **OCD Permit Number:** 2RF-124

☒ OCD Conditions

☒ Additional OCD Conditions on Attachment

PLU CENTRAL 2 FRAC PIT

LEAK DETECTION DATA

Procedure for Performing Monthly Leak Detection Test for NCFR(Non-commercial fluid recycling) Pits

1) Drain sump to estabilish a zero baseline and note time

2) After 24 hours, drain sump and note volume of water recovered

EAST PIT: Brackish Water

Month	Action	Date	Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-23	INITIAL Pond Drain			2		
	24 HR Leak Detection	01/04/23	24hr		2	
	INITIAL Pond Drain			2		
	24 HR Leak Detection	01/11/23	24hr		2	
	INITIAL Pond Drain			3		
	24 HR Leak Detection	01/18/23	24hr		7	
	INITIAL Pond Drain			3		
	24 HR Leak Detection	01/25/23	24hr		3	
Feb-23	INITIAL Pond Drain			2		
	24 HR Leak Detection	02/01/23	24hr		2	
	INITIAL Pond Drain			2		
	24 HR Leak Detection	02/08/23	24hr		2	
	INITIAL Pond Drain			2		
	24 HR Leak Detection	02/15/23	24hr		2	
	INITIAL Pond Drain			2		
	24 HR Leak Detection	02/22/23	24hr		2	
Mar-23	INITIAL Pond Drain			3		
	24 HR Leak Detection	03/01/23	24hr		3	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	03/08/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	03/15/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	03/22/23	24hr		0	
Apr-23	INITIAL Pond Drain	04/01/23		0	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	04/04/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	04/17/23	24hr		0	
	INITIAL Pond Drain			30 gal		
	24 HR Leak Detection	04/26/23	24 hr		30 gal	
May-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	05/02/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	05/09/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	05/16/23	24hr		0	

	INITIAL Pond Drain			0		
	24 HR Leak Detection	05/23/23	24hr		0	
Jun-23	INITIAL Pond Drain			0	0	
	24 HR Leak Detection	06/06/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	06/13/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	06/20/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	06/27/23	24hr		0	
Jul-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/04/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/11/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/18/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/25/23	24hr		0	
Aug-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/01/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/08/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/23/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/29/23	24hr		0	
Sep-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/05/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/12/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/19/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/26/23	24hr		0	
Oct-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/04/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/11/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/18/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/25/23	24hr		0	
Nov-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/01/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/08/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/15/23	24hr		0	
	INITIAL Pond Drain			0		

	24 HR Leak Detection	11/22/23	24hr		0	
Dec-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/06/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/13/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/20/23	24hr		0	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/27/23	24hr		0	

West PIT: Recycled Produced Water						
Month	**Action**	**Date**	**Time**	**Volume Recovered from Sump (gal)**	**Meter Start/Stop**	**NOTES:**
Jan-23	INITIAL Pond Drain			127	127	
	24 HR Leak Detection	01/04/23	24hr			
	INITIAL Pond Drain			128		
	24 HR Leak Detection	01/11/23	24hr		128	
	INITIAL Pond Drain			127		
	24 HR Leak Detection	01/18/23	24hr		127	
	INITIAL Pond Drain			127		
	24 HR Leak Detection	01/25/23	24hr		127	
Feb-23	INITIAL Pond Drain			128		
	24 HR Leak Detection	02/01/23	24hr		128	
	INITIAL Pond Drain			127		
	24 HR Leak Detection	02/08/23	24hr		127	
	INITIAL Pond Drain			128		
	24 HR Leak Detection	02/15/23	24hr		128	
	INITIAL Pond Drain			127		
	24 HR Leak Detection	02/22/23	24hr		127	
Mar-23	INITIAL Pond Drain			127		
	24 HR Leak Detection	03/01/23	24hr		127	
	INITIAL Pond Drain			10		
	24 HR Leak Detection	03/08/23	24hr		10	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	03/15/23	24hr		0	
	INITIAL Pond Drain			250		
	24 HR Leak Detection	03/22/23	24 Hr		250	
Apr-23	INITIAL Pond Drain	04/01/23		1,150 gal		
	24 HR Leak Detection		24hr		1,150 gal	
	INITIAL Pond Drain			6		
	24 HR Leak Detection	04/04/23	24hr		6	
	INITIAL Pond Drain			207		
	24 HR Leak Detection	04/17/23	24hr		207	
	INITIAL Pond Drain			1,300 gal		
	24 HR Leak Detection	04/26/23	24 hr		1,300 gal	
	INITIAL Pond Drain			460		
	24 HR Leak Detection	05/02/23	24hr		460	

May-23	INITIAL Pond Drain			202		
	24 HR Leak Detection	05/09/23	24hr		202	
	INITIAL Pond Drain			213		
	24 HR Leak Detection	05/16/23	24hr		213	
	INITIAL Pond Drain			300		
	24 HR Leak Detection	05/23/23	24hr		300	
Jun-23	INITIAL Pond Drain			404	404	
	24 HR Leak Detection	06/06/23	24hr			
	INITIAL Pond Drain			102	102	
	24 HR Leak Detection	06/13/23	24hr			
	INITIAL Pond Drain			176		
	24 HR Leak Detection	06/20/23	24hr		176	
	INITIAL Pond Drain			187		
	24 HR Leak Detection	06/27/23	24hr		187	
Jul-23	INITIAL Pond Drain			1,338		
	24 HR Leak Detection	07/04/23	24hr		1,338	
	INITIAL Pond Drain			1,410		
	24 HR Leak Detection	07/11/23	24hr		1,410	
	INITIAL Pond Drain			921		
	24 HR Leak Detection	07/18/23	24hr		921	
	INITIAL Pond Drain			880		
	24 HR Leak Detection	07/25/23	24hr		880	
Aug-23	INITIAL Pond Drain			675		
	24 HR Leak Detection	08/01/23	24hr		675	
	INITIAL Pond Drain			793		
	24 HR Leak Detection	08/08/23	24hr		793	
	INITIAL Pond Drain			610		
	24 HR Leak Detection	08/15/23	24hr		610	
	INITIAL Pond Drain			735		
	24 HR Leak Detection	08/22/23	24hr		735	
Sep-23	INITIAL Pond Drain			589		
	24 HR Leak Detection	09/05/23	24hr		589	
	INITIAL Pond Drain			611		
	24 HR Leak Detection	09/12/23	24hr		611	
	INITIAL Pond Drain			537		
	24 HR Leak Detection	09/19/23	24hr		537	
	INITIAL Pond Drain			590		
	24 HR Leak Detection	09/26/23	24hr		590	
Oct-23	INITIAL Pond Drain			700		
	24 HR Leak Detection	10/04/23	24hr		700	
	INITIAL Pond Drain			880		
	24 HR Leak Detection	10/11/23	24hr		880	
	INITIAL Pond Drain			1,025		
	24 HR Leak Detection	10/18/23	24hr		1,025	
	INITIAL Pond Drain			1,500		
	24 HR Leak Detection	10/25/23	24hr		1,500	
	INITIAL Pond Drain			768		
	24 HR Leak Detection	11/01/23	24hr		768	
	INITIAL Pond Drain			1,002		

Nov-23	24 HR Leak Detection	11/08/23	24hr	1,002	1,002	
	INITIAL Pond Drain			901		
	24 HR Leak Detection	11/15/23	24hr		901	
	INITIAL Pond Drain			1,204		
	24 HR Leak Detection	11/22/23	24hr		1,204	
Dec-23	INITIAL Pond Drain			854		
	24 HR Leak Detection	12/06/23	24hr		854	
	INITIAL Pond Drain			996		
	24 HR Leak Detection	12/13/23	24hr		996	
	INITIAL Pond Drain			1,089		
	24 HR Leak Detection	12/20/23	24hr		1,089	
	INITIAL Pond Drain			1,567		
	24 HR Leak Detection	12/27/23	24hr		1,567	

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, February 1, 2024 9:13 AM
To: kristen.houston@exxonmobil.com
Subject: 2RF-124 - PLU CENTRAL 2 RECYCLING FACILITY ID [fAB1805931927].
Attachments: C-147 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] 02.01.2024.pdf

2RF-124 - PLU CENTRAL 2 RECYCLING FACILITY ID [fAB1805931927].

Good morning Ms. Houston,
NMOCD has reviewed the annual registration /permit extension request for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] received from [373075] XTO PERMIAN OPERATING LLC on 01/21/2024. The registration/permit extension request is approved with the following conditions of approval:

- 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 27, 2024. The new registration/permit expiration date is February 27, 2025.
- [373075] XTO PERMIAN OPERATING LLC will continue to operate, maintain, and close the for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] in compliance with 19.15.34 NMAC, to include but not limited to the performance of weekly inspections regardless of fluid levels in the containment; recording of detailed inspection reports; removal of debris, foreign objects and oil from the containment; and monthly reporting of recycling and reuse of produced water, drilling fluids, and liquid oil field waste via from C-148.
- [373075] XTO PERMIAN OPERATING LLC will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [373075] XTO PERMIAN OPERATING LLC may maintain a higher liquid level if they choose.
- If less than 20% of the total fluid capacity is utilized every consecutive six months, operation of the facility is considered ceased and a notification of cessation of operations should be sent electronically through OCD Permitting. An extension to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 form through the OCD Online system.
- If after that 6-month extension period, the containment is not utilized at a minimum of 20% fluid capacity, no additional extensions would be granted, and the operator would be directed to remove all fluids and proceed with the closure requirements.
- The recycling containment is bonded pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC. Water reuse and recycling from for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] is limited to wells owned or operated by [373075] XTO PERMIAN OPERATING LLC.
- A minimum of 3-feet freeboard must be maintained in the recycling containment at all times.
- [373075] XTO PERMIAN OPERATING LLC will comply with 19.15.29 NMAC Releases in the event of any release of produced water or produced water or other oil field wastes at 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927]. [373075] XTO PERMIAN OPERATING LLC will comply with all other OCD rules.
- [373075] XTO PERMIAN OPERATING LLC must perform weekly inspections of the containment and leak detection system.
- If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past the February 27, 2025, a registration/permit extension request must be submitted to OCD. Extension requests are reviewed on a case-by-case basis and evaluated on their merit. Extensions are considered for a maximum length of one year. Additional requests must be submitted to OCD through OCD Online on a Form C-147 (long form) as an extension request and should include a formal extension request letter, a summary of the prior registration/permit period inspection reports, and the copies of the detailed inspection records for the prior permit period. The extension request should be submitted no later than January 27, 2025.

- [373075] XTO PERMIAN OPERATING LLC must submit monthly reports of recycling and reuse of produced water, on NMOCD form C-148 through OCD Online even if there is zero activity.

Please let me know if you have any additional questions.
Regards,

Victoria Venegas ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
https://www.emnrd.nm.gov/ocd/

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 305924

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 305924
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 27, 2024. The new registration/permit expiration date is February 27, 2025. If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past the February 27, 2025, a registration/permit extension request must be submitted to OCD no later than January 27, 2025. • [373075] XTO PERMIAN OPERATING LLC must submit monthly reports of recycling and reuse of produced water, on NMOCD form C-148 through OCD Online even if there is zero activity.	2/1/2024