

Kristen Houston
Regulatory Advisor
XTO Permian Operating, LLC
6401 Holiday Hill Road, Bldg 5
Midland, TX 79707
(432)214-7887



May 20, 2025

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

Re: Administrative Order 2RF-121
PLU North Recycling Facility
Facility ID (FAB1805849028)

Victoria,

XTO Permian Operating, LLC. Respectfully requests a one-year extension to the existing C-147 permit for the PLU North Recycling Facility. The annual extension requests of the Permit 2RF-121 PLU North recycling Facility ID (fab1805849028) from February 24, 2025, to February 23, 2026.

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

Sincerely,

A handwritten signature in black ink that reads 'Kristen Houston'.

Kristen Houston
Regulatory Advisor

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: ☒ Recycling Facility ☒ Recycling Containment*
Type of action: ☒ Permit ☐ Registration
☐ Modification ☒ 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 North Recycling Facility
 OCD Permit Number: 2RF-121/fAB1805849028 (For new facilities the permit number will be assigned by the district office)
 U/L or Qtr/Qtr H/I Section 6 Township 24S Range 30E County: Eddy
 Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
 Location of recycling facility (if applicable): Latitude 32.244969 Longitude -103.916625 NAD83
 Proposed Use: ☒ Drilling* ☒ Completion* ☒ Production* ☒ 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.*
☒ Fluid Storage
☐ Above ground tanks ☒ 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.
☒ **Recycling Containment:**
☒ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
 Center of Recycling Containment (if applicable): Latitude 32.244239 Longitude -103.920419 NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☐ Liner type: Thickness _____ mil ☒ LLDPE ☒ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
 Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 500,000 x 2 bbl Dimensions: L 910' x W 550' x D 14'
☐ 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:

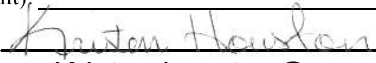
Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☐ 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:  Date: 5/20/2025
e-mail address: Kristen.houston@exxonmobil.com Telephone: (432)894-1588

11.

OCD Representative Signature: Victoria Venegas Approval Date: 07/16/2025
Title: Environmental Specialist OCD Permit Number: 2RF-121
☒ OCD Conditions
☒ Additional OCD Conditions on Attachment

PLU NORTH FRAC PIT

LEAK DETECTION DATA

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

- 1) Drain sump to establish 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	Pump Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-24	INITIAL Pond Drain	01/05/24			0	
	24 HR Leak Detection		24hr	226	226	
	INITIAL Pond Drain	01/11/24			0	
	24 HR Leak Detection		24hr	304	304	
	INITIAL Pond Drain	01/19/24			0	
Feb-24	24 HR Leak Detection		24hr	442	442	
	INITIAL Pond Drain	01/30/24			0	
	24 HR Leak Detection		24hr	206	206	
	INITIAL Pond Drain	02/09/24			0	
	24 HR Leak Detection		24hr	407	407	
	INITIAL Pond Drain	02/15/24			0	
	24 HR Leak Detection		24hr	0	0	
	INITIAL Pond Drain	02/19/24			0	
	24 HR Leak Detection		24hr	0	0	
	INITIAL Pond Drain	02/28/24			0	
Mar-24	24 HR Leak Detection		24hr	547	547	
	INITIAL Pond Drain	03/06/24			0	
	24 HR Leak Detection		24hr	333	333	
	INITIAL Pond Drain	03/11/24			0	
	24 HR Leak Detection		24hr	254	254	
Apr-24	INITIAL Pond Drain	03/17/24			0	
	24 HR Leak Detection		24hr	286	286	
	INITIAL Pond Drain	03/24/24			0	
	24 HR Leak Detection		24 hr	241	241	
	INITIAL Pond Drain	04/02/24			0	
	24 HR Leak Detection		24HR	1,940	1940	
	INITIAL Pond Drain	04/06/24			0	
	24 HR Leak Detection		24hr	618	618	
	INITIAL Pond Drain	04/16/24			0	
	24 HR Leak Detection		24hr	310	310	
May-24	INITIAL Pond Drain	04/19/24			0	
	24 HR Leak Detection		24 hr	404	404	
	INITIAL Pond Drain	05/04/24			0	
	24 HR Leak Detection		24hr	689	689	
	INITIAL Pond Drain	05/11/24			0	
	24 HR Leak Detection		24hr	557	557	

May-24	INITIAL Pond Drain	05/17/24			300	0
	24 HR Leak Detection		24hr			300
	INITIAL Pond Drain	05/26/24			258	0
	24 HR Leak Detection		24hr			258
Jun-24	INITIAL Pond Drain	06/03/24			126	0
	24 HR Leak Detection		24hr			126
	INITIAL Pond Drain	06/11/24			211	0
	24 HR Leak Detection		24hr			211
	INITIAL Pond Drain	06/16/24			385	0
	24 HR Leak Detection		24hr			385
Jul-24	INITIAL Pond Drain	06/30/24			280	0
	24 HR Leak Detection		24hr			280
	INITIAL Pond Drain	07/07/24			92	0
	24 HR Leak Detection		24hr			92
Aug-24	INITIAL Pond Drain	07/14/24			300	0
	24 HR Leak Detection		24hr			300
	INITIAL Pond Drain	07/22/24			2,338	0
	24 HR Leak Detection		24hr			2,338
	INITIAL Pond Drain	07/28/24			140	0
	24 HR Leak Detection		24hr			140
Sep-24	INITIAL Pond Drain	08/05/24			3,773	0
	24 HR Leak Detection		24hr			3,773
	INITIAL Pond Drain	08/11/24			220	0
	24 HR Leak Detection		24hr			220
	INITIAL Pond Drain	08/21/24			53	0
	24 HR Leak Detection		24hr			53
Oct-24	INITIAL Pond Drain	08/25/24			120	0
	24 HR Leak Detection		24hr			120
	INITIAL Pond Drain	09/02/24			535	0
	24 HR Leak Detection		24hr			535
	INITIAL Pond Drain	09/10/24			115	0
	24 HR Leak Detection		24hr			115
Nov-24	INITIAL Pond Drain	09/17/24			2,974	0
	24 HR Leak Detection		24hr			2,974
	INITIAL Pond Drain	09/26/24			195	0
	24 HR Leak Detection		24hr			195
	INITIAL Pond Drain	10/07/24			68	0
	24 HR Leak Detection		24hr			68
Dec-24	INITIAL Pond Drain	10/17/24			78	0
	24 HR Leak Detection		24hr			78
	INITIAL Pond Drain	10/24/24			80	0
	24 HR Leak Detection		24hr			80
	INITIAL Pond Drain	10/30/24			98	0
	24 HR Leak Detection		24hr			98
Jan-25	INITIAL Pond Drain	11/06/24			170	0
	24 HR Leak Detection		24hr			170
	INITIAL Pond Drain	11/13/24			148	0
	24 HR Leak Detection		24hr			148

Nov-24	24 HR Leak Detection		24hr	148	
	INITIAL Pond Drain	11/19/24		0	
	24 HR Leak Detection		24hr	160	
	INITIAL Pond Drain	11/29/24		0	
Dec-24	24 HR Leak Detection		24hr	51	
	INITIAL Pond Drain	12/07/24		0	
	24 HR Leak Detection		24hr	74	
	INITIAL Pond Drain	12/14/24		0	
	24 HR Leak Detection		24hr	43	
	INITIAL Pond Drain	12/22/24		0	
	24 HR Leak Detection		24hr	88	
	INITIAL Pond Drain	12/28/24		0	
	24 HR Leak Detection		24hr	43	
	INITIAL Pond Drain			43	

West PIT: Recycled Produced Water

Month	Action	Date	Pump Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-24	INITIAL Pond Drain	01/05/24		285	0	
	24 HR Leak Detection		24hr		285	
	INITIAL Pond Drain	01/11/24		362	0	
	24 HR Leak Detection		24hr		362	
Feb-24	INITIAL Pond Drain	01/19/24		402	0	
	24 HR Leak Detection		24hr		402	
	INITIAL Pond Drain	01/30/24		116	0	
	24 HR Leak Detection		24hr		116	
	INITIAL Pond Drain	02/09/24		165	0	
	24 HR Leak Detection		24hr		165	
	INITIAL Pond Drain	02/15/24		225	0	
	24 HR Leak Detection		24hr		225	
	INITIAL Pond Drain	02/19/24		415	0	
	24 HR Leak Detection		24hr		415	
	INITIAL Pond Drain	02/28/24		360	0	
	24 HR Leak Detection		24hr		360	
Mar-24	INITIAL Pond Drain	03/06/24		248	0	
	24 HR Leak Detection		24hr		248	
	INITIAL Pond Drain	03/11/24		1,932	0	
	24 HR Leak Detection		24hr		1,932	
	INITIAL Pond Drain	03/17/24		633	0	
	24 HR Leak Detection		24hr		633	
	INITIAL Pond Drain	03/24/24		347	0	
	24 HR Leak Detection		24 Hr		347	
Apr-24	INITIAL Pond Drain	04/02/24		1,045	0	
	24 HR Leak Detection		24HR		1,045	
	INITIAL Pond Drain	04/06/24		443	0	
	24 HR Leak Detection		24hr		443	
	INITIAL Pond Drain	04/16/24		607	0	
	24 HR Leak Detection				607	

	24 HR Leak Detection		24hr	697	
	INITIAL Pond Drain	04/19/24		0	
	24 HR Leak Detection		24 hr	450	
May-24	INITIAL Pond Drain	05/04/24		0	
	24 HR Leak Detection		24hr	225	
	INITIAL Pond Drain	05/11/24		0	
	24 HR Leak Detection		24hr	1160	
	INITIAL Pond Drain	05/17/24		0	
	24 HR Leak Detection		24hr	315	
	INITIAL Pond Drain	05/26/24		0	
	24 HR Leak Detection		24hr		screen not working
Jun-24	INITIAL Pond Drain	06/03/24	24hr	0	
	24 HR Leak Detection			652	
	INITIAL Pond Drain	06/11/24		0	
	24 HR Leak Detection		24hr	1500	
	INITIAL Pond Drain	06/16/24		0	
	24 HR Leak Detection		24hr	220	
	INITIAL Pond Drain	06/30/24		0	
	24 HR Leak Detection		24hr	320	
Jul-24	INITIAL Pond Drain	07/07/24		0	
	24 HR Leak Detection		24hr	8697	
	INITIAL Pond Drain	07/14/24		0	
	24 HR Leak Detection		24hr	24	
	INITIAL Pond Drain	07/22/24		0	
	24 HR Leak Detection		24hr	3399	
	INITIAL Pond Drain	07/28/24		0	
	24 HR Leak Detection		24hr	12	
Aug-24	INITIAL Pond Drain	08/05/24		0	
	24 HR Leak Detection		24hr	4481	
	INITIAL Pond Drain	08/11/24		0	
	24 HR Leak Detection		24hr	442	
	INITIAL Pond Drain	08/21/24		0	
	24 HR Leak Detection		24hr	68	
	INITIAL Pond Drain	08/25/24		0	
	24 HR Leak Detection		24hr	130	
Sep-24	INITIAL Pond Drain	09/02/24		0	
	24 HR Leak Detection		24hr	3021	
	INITIAL Pond Drain	09/10/24		0	
	24 HR Leak Detection		24hr	150	
	INITIAL Pond Drain	09/17/24		0	
	24 HR Leak Detection		24hr	3651	
	INITIAL Pond Drain	09/26/24		0	
	24 HR Leak Detection		24hr	899	
Oct-24	INITIAL Pond Drain	10/07/24		0	
	24 HR Leak Detection		24hr	186	
	INITIAL Pond Drain	10/17/24		0	
	24 HR Leak Detection		24hr	111	

Oct-24	INITIAL Pond Drain	10/24/24				0	
	24 HR Leak Detection			24hr	150	150	
	INITIAL Pond Drain	10/30/24				0	
	24 HR Leak Detection			24hr	220	220	
Nov-24	INITIAL Pond Drain	11/06/24				0	
	24 HR Leak Detection			24hr	0	0	
	INITIAL Pond Drain	11/13/24				0	
	24 HR Leak Detection			24hr		0	
	INITIAL Pond Drain	11/19/24				0	
	24 HR Leak Detection			24hr	0	0	
	INITIAL Pond Drain	11/29/24				0	
	24 HR Leak Detection			24hr	15	15	
Dec-24	INITIAL Pond Drain	12/07/24				0	
	24 HR Leak Detection			24hr	8	8	
	INITIAL Pond Drain	12/14/24				0	
	24 HR Leak Detection			24hr	0	0	
	INITIAL Pond Drain	12/22/24				0	
	24 HR Leak Detection			24hr	5	5	
	INITIAL Pond Drain	12/28/24				0	
	24 HR Leak Detection			24hr	12	12	

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Wednesday, July 16, 2025 2:53 PM
To: Houston, Kristen /C
Subject: 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028]
Attachments: C-147 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] 07.16.2025.pdf

2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028]

Good afternoon Ms. Houston,
 NMOCOD has reviewed the annual registration /permit extension request for 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] received from [373075] XTO PERMIAN OPERATING LLC on 02/02/2024, Application ID **482122**. The registration/permit extension request is approved with the following conditions of approval.

- 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] is approved for one (1) year of operation from the previous registration/permit expiration date of February 27, 2025. The new registration/permit expiration date is February 27, 2026.
- [373075] XTO PERMIAN OPERATING LLC will continue to operate, maintain, and close the for 2RF-2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] 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 reused and recycled from for 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] 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 for 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028]. [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 February 27, 2026, 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, 2026.

Please let me know if you have any other questions.

Best regards,

Victoria Venegas ● Environmental Specialist Advanced
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | Victoria.Venegas@emnrd.nm.gov

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 482122

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 482122
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] is approved for one (1) year of operation from the previous registration/permit expiration date of February 27, 2025. The new registration/permit expiration date is February 27, 2026. • If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past February 27, 2026, a registration/permit extension request must be submitted to OCD no later than January 27, 2026.	7/16/2025