

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



January 19, 2024

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

Re: Administrative Order 2RF-122
PLU South Recycling Facility
Facility ID (fAB1805849298)

Victoria,

XTO Permian Operating, LLC. Respectfully requests a one-year extension to the existing C-147 permit for the PLU South Recycling Facility. The annual extension requests of the Permit 2RF-122 PLU South recycling Facility ID (fab1805849298) from February 25, 2024, to February 24, 2025.

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 Analyst



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

February 21, 2024

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

Re: Administrative Order 2RF-122
PLU South Recycling Facility
Facility ID (fAB1805849298)

Victoria,

XTO Permian Operating, LLC. Had encountered several leaks on the above-mentioned recycling containment in 2023. XTO hired contractors to come in a fix the primary liner at the PLU South Recycling Facility. Liner pump is very small (1" pump located at the lowest point under pond) allowing for minimal daily recovery of fluids under primary liner. In the event where there is a 4" tear in a 500 thousand bbl pit, fluid migration through a tear is faster than a 1-inch pump can pull out quickly, it takes time. In addition, all fluid must migrate under primary liner to the sump area, further slowing this process. The liner is repaired utilizing a piece of liner material or simply welding the failed point back together with Polyethylene welding rods. Contractors came out on 12/10/22- Pond drained 4th quarter of 22 to repair liner. Liner patched with 2 square feet of 60ML material and Polyethylene welding rods, 6/23/23 -Tear in liner under influent line, Liner patched with 2 square feet of 60ML material and Polyethylene welding rods, 8/28/23 - Tear in liner from vendor equipment interface, rip repaired with Polyethylene welding rods, 10/9/23 -Rip repaired with Polyethylene welding rods, 11/7/23 -Rip repaired with Polyethylene welding rods, and 12/5/23- Rip repaired with Polyethylene welding rods. Liner is currently fixed and in working order.

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 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/

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 South Recycling Facility
OCD Permit Number: 2RF-122/fAB1805849298 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr J/O Section 27 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 32.098780 Longitude -103.867983 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 32.097679 Longitude -103.866801 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 1339' x W 1199' x D 22'
[] 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: 02/22/2024

Title: Environmental Specialist OCD Permit Number: 1RF-122

- OCD Conditions _____
- Additional OCD Conditions on Attachment _____

PLU South 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

WEST PIT: Brackish Water

Month	Action	Date	Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-23	INITIAL Pond Drain					
	24 HR Leak Detection	01/04/23	24hr	48	48	
	INITIAL Pond Drain					
	24 HR Leak Detection	01/11/23	24hr	49	97	
	INITIAL Pond Drain					
	24 HR Leak Detection	01/18/23	24hr	48	145	
	INITIAL Pond Drain					
	24 HR Leak Detection	01/25/23	24hr	49	194	
Feb-23	INITIAL Pond Drain					
	24 HR Leak Detection	02/01/23	24hr	48	242	
	INITIAL Pond Drain					
	24 HR Leak Detection	02/08/23	24hr	50	292	
	INITIAL Pond Drain					
	24 HR Leak Detection	02/15/23	24hr	50	342	
	INITIAL Pond Drain					
	24 HR Leak Detection	02/22/23	24hr	49	391	
Mar-23	INITIAL Pond Drain					
	24 HR Leak Detection	03/01/23	24hr	48	439	
	INITIAL Pond Drain					
	24 HR Leak Detection	03/08/23	24hr	0	0	
	INITIAL Pond Drain					
	24 HR Leak Detection	03/15/23	24hr	0	0	
	INITIAL Pond Drain					
	24 HR Leak Detection	03/22/23	24 hr	300	300	
Apr-23	INITIAL Pond Drain					
	24 HR Leak Detection	04/01/23	24HR	400 gal	0	
	INITIAL Pond Drain				400 gal	
	24 HR Leak Detection	04/04/23	24hr	0	0	
	INITIAL Pond Drain					
	24 HR Leak Detection	04/17/23	24hr	142	142	
	INITIAL Pond Drain					
	24 HR Leak Detection	04/26/23	24 hr	300 gal	300 gal	
May-23	INITIAL Pond Drain					
	24 HR Leak Detection	05/02/23	24hr	647	647	
	INITIAL Pond Drain					
	24 HR Leak Detection	05/16/23	24hr	770	770	
	INITIAL Pond Drain					
	24 HR Leak Detection	05/30/23	24hr	1,140	1,140	

	INITIAL Pond Drain 24 HR Leak Detection								
							0		
Jun-23	INITIAL Pond Drain 24 HR Leak Detection								1,093
	INITIAL Pond Drain 24 HR Leak Detection	06/06/23		24hr			1,093		
	INITIAL Pond Drain 24 HR Leak Detection	06/13/23		24hr			35		35
	INITIAL Pond Drain 24 HR Leak Detection	06/20/23		24hr			0		0 gal
	INITIAL Pond Drain 24 HR Leak Detection	06/27/23		24hr			0		0 gal
	INITIAL Pond Drain 24 HR Leak Detection								
Jul-23	INITIAL Pond Drain 24 HR Leak Detection								
	INITIAL Pond Drain 24 HR Leak Detection	07/04/23		24hr			351		351
	INITIAL Pond Drain 24 HR Leak Detection	07/11/23		24hr			974		974
	INITIAL Pond Drain 24 HR Leak Detection	07/18/25		24hr			0		0 gal
	INITIAL Pond Drain 24 HR Leak Detection	07/25/25		24hr			0		0 gal
	INITIAL Pond Drain 24 HR Leak Detection								
Aug-23	INITIAL Pond Drain 24 HR Leak Detection								
	INITIAL Pond Drain 24 HR Leak Detection	08/01/23		24 hr			300 gal		300 gal
	INITIAL Pond Drain 24 HR Leak Detection	08/08/23		24 hr			320 gal		320 gal
	INITIAL Pond Drain 24 HR Leak Detection	08/15/23		24 hr			350 gal		350 gal
	INITIAL Pond Drain 24 HR Leak Detection	08/22/23		24 hr			277 gal		277 gal
	INITIAL Pond Drain 24 HR Leak Detection								
Sep-23	INITIAL Pond Drain 24 HR Leak Detection								
	INITIAL Pond Drain 24 HR Leak Detection	09/05/23		24hr			298 gal		298 gal
	INITIAL Pond Drain 24 HR Leak Detection	09/12/23		24hr			350 gal		350 gal
	INITIAL Pond Drain 24 HR Leak Detection	09/19/23		24hr			325 gal		325 gal
	INITIAL Pond Drain 24 HR Leak Detection	09/26/23		24hr			290 gal		290 gal
	INITIAL Pond Drain 24 HR Leak Detection								
Oct-23	INITIAL Pond Drain 24 HR Leak Detection								
	INITIAL Pond Drain 24 HR Leak Detection	10/04/23		24hr			250		250
	INITIAL Pond Drain 24 HR Leak Detection	10/11/23		24hr			310		310
	INITIAL Pond Drain 24 HR Leak Detection	10/18/24		24hr			400		400
	INITIAL Pond Drain 24 HR Leak Detection	10/25/23		24hr			470		470
	INITIAL Pond Drain 24 HR Leak Detection								
Nov-23	INITIAL Pond Drain 24 HR Leak Detection								
	INITIAL Pond Drain 24 HR Leak Detection	11/01/23					0		0
	INITIAL Pond Drain 24 HR Leak Detection	11/08/23					200		200
	INITIAL Pond Drain 24 HR Leak Detection	11/15/23					187		187
	INITIAL Pond Drain								
	INITIAL Pond Drain								

	24 HR Leak Detection	11/22/23			100	
Dec-23	INITIAL Pond Drain					
	24 HR Leak Detection	12/06/23		0		0
	INITIAL Pond Drain					
	24 HR Leak Detection	12/13/23		111		111
	INITIAL Pond Drain					
	24 HR Leak Detection	12/20/23		0		0
	INITIAL Pond Drain			180		180
	24 HR Leak Detection	12/27/23				

EAST PIT: Recycled Produced Water

Month	Action	Date	Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
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Jan-23	INITIAL Pond Drain					
	24 HR Leak Detection	01/04/23	24hrs	3,048		3,048
	INITIAL Pond Drain					
	24 HR Leak Detection	01/11/23	24hrs	0		0
	INITIAL Pond Drain					
	24 HR Leak Detection	01/18/23	24hrs	0		0
	INITIAL Pond Drain			3,748		3,748
	24 HR Leak Detection	01/25/23	24hrs			

Feb-23	INITIAL Pond Drain					
	24 HR Leak Detection	02/01/23	24hrs	649		649
	INITIAL Pond Drain					
	24 HR Leak Detection	02/08/23	24hrs	0		0
	INITIAL Pond Drain					
	24 HR Leak Detection	02/15/23	24hrs	0		0
	INITIAL Pond Drain			974		974
	24 HR Leak Detection	02/22/23	24hrs			

Mar-23	INITIAL Pond Drain					
	24 HR Leak Detection	03/01/23	24hrs	3,592		3,592
	INITIAL Pond Drain					
	24 HR Leak Detection	03/08/23	24hrs	1,749		1,749
	INITIAL Pond Drain					
	24 HR Leak Detection	03/15/23	24hrs	0		0
	INITIAL Pond Drain			1,765		1,765
	24 HR Leak Detection	03/22/23	24 Hr			

Apr-23	INITIAL Pond Drain					
	24 HR Leak Detection	04/04/23	24 HR	2,000 gal		2,000 gal
	INITIAL Pond Drain					
	24 HR Leak Detection	04/11/23	24hr	1,527		1,527
	INITIAL Pond Drain					
	24 HR Leak Detection	04/18/23	24hr	720		720
	INITIAL Pond Drain			800 gal		800
	24 HR Leak Detection	04/25/23	24 hr			

	INITIAL Pond Drain					
	24 HR Leak Detection	05/02/23	24hr	2,215		2,215

Nov-23	24 HR Leak Detection	11/08/23	24hr	2,208	
	INITIAL Pond Drain				
	24 HR Leak Detection	11/15/23	24hr	1,100	
	INITIAL Pond Drain				
Dec-23	24 HR Leak Detection	12/06/23	24hr	2,544	
	INITIAL Pond Drain				
	24 HR Leak Detection	12/06/23	24hr	987	
	INITIAL Pond Drain				
	24 HR Leak Detection	12/13/23	24hr	500	
	INITIAL Pond Drain				
	24 HR Leak Detection	12/20/23	24hr	3,915	
	INITIAL Pond Drain				
24 HR Leak Detection	12/27/23	24hr	3,672		
				3,672	

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, February 22, 2024 2:54 PM
To: Houston, Kristen /C
Subject: 2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298]
Attachments: C-147 2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] 02.22.2024.pdf

2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298]

Good afternoon Ms. Houston,
NMOCD has reviewed the annual registration /permit extension request for 2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] received from [373075] XTO PERMIAN OPERATING LLC on 02/21/2024, Application ID: 316246. The registration/permit extension request is approved with the following conditions of approval.

- 2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] 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-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] 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-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] 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-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298]. [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.

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/oed/>



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 316246

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 316246
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	2RF-122 - PLU SOUTH RECYCLING FACILITY ID [fAB1805849298] 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.	2/22/2024