2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] C-147/Annual Extension 2024-2025

[373075] XTO PERMIAN OPERATING LLC February 6, 2024

Kristen Houston

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



January 22, 2024

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 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,

Kristen Houston Regulatory Analyst

Kristen Houston

Page 3 of 13 Form C-147

Revised October 11, 2022

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: 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.
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
2DE 121/6A D19059 40029
6 24C 20E E.L.
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
2. X Recycling Facility: Location of recycling facility (if applicable): Latitude 32.244969 Longitude -103.916625 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.
∑ 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): Latitude32.244239 Longitude103.920419 NAD83
For multiple or additional recycling containments, attach design and location information of each containment
X Lined ☐ Liner type: Thicknessmil X LLDPE X HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: X Welded Factory Other Volume: 500,000 x 2 bbl Dimensions: L 910' x W 550' x D 14'
Recycling Containment Closure Completion Date:

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 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 amounts are approved) Attach closure cost estimate and documentation on how the closure cost was calculated.	
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	
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	
Variances: Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, humenvironment. 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 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 examples of the siting attachment source material are provided below under each criteria.	ution. Potential
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 X No
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 X 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

Recycling Facility and/or Containment Checklist: Instructions: Each of the following items must be attached to the application 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 - X Certify that notice of the C-147 (only) has been sent to the surface over	nts.
Operator Application Certification: I hereby certify that the information and attachments submitted with this application (Print): Kristen Houston Signature: e-mail address: Kristen.houston@exxonmobil.com	cation are true, accurate and complete to the best of my knowledge and belief. Title: Regulatory Analyst Date: 1/21/2024 Telephone: 432-894-1588
OCD Representative Signature: Victoria Venegas Title: Environmental Specialist x OCD Conditions Additional OCD Conditions on Attachment	Approval Date: 02/06/2024 OCD Permit Number: 2RF-121

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 estabilish 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:
	INITIAL Pond Drain			c		
	24 HR Leak Detection	01/04/23	24hr	•		
	INITIAL Pond Drain			c		
60 40	24 HR Leak Detection	01/11/23	24hr	·		
3411-23	INITIAL Pond Drain			c		
	24 HR Leak Detection	01/18/23	24hr	•		
	INITIAL Pond Drain	04 (75 /73	- 44bC	•		
	24 TIN LEAN DETECTION	01/23/23	111+7			
	INITIAL Pond Drain			•		
	24 HR Leak Detection	02/01/23	24hr	>		
	INITIAL Pond Drain			,		
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rep-23	INITIAL Pond Drain			c		
	24 HR Leak Detection	02/15/23	24hr	>		
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	INITIAL Pond Drain	04/01/23	24HR	c		
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Apr -23	INITIAL Pond Drain			c		
	24 HR Leak Detection	04/17/23	24hr	»		
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	24 HR Leak Detection	04/26/23	24 hr	»		
	INITIAL Pond Drain			o		
	24 HR Leak Detection	05/02/23	24hr	•		
	INITIAL Pond Drain			•		
N2V-23	24 HR Leak Detection	05/09/23	24hr	·		
01	INITIAL Pond Drain			c		
	24 HR Leak Detection	05/16/23	24hr	•		

	05/23/23	24hr	5	
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	06/07/23		Þ	
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	06/14/23	24hr	0	
	06/21/23	24hr	0	
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	06/28/23	24hr	0	
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	07/05/23	24hr		
			C	
-	07/12/23	24hr	•	
			c	
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			c	
24 HR Leak Detection 07	07/26/23	24hr	0	
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	08/16/23	24nr		
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	09/06/23	24hr	,	
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Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD

Sent: Tuesday, February 6, 2024 1:12 PM **To:** kristen.houston@exxonmobil.com

Subject: 2RF-121 - PLU NORTH RECYCLING FACILITY ID [FAB1805849028]

Attachments: C-147 2RF-121 - PLU North Recycling FACILITY ID [fAB1805849028] 02.06.2024.pdf

2RF-121 - PLU NORTH RECYCLING FACILITY ID [fAB1805849028]

Good afternoon Ms. Houston,

NMOCD 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. 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 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-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 reuse and recycling 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 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.

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/



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1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 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 310770

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	310770
	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 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. If [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.	2/6/2024