Kristen Houston
Regulatory Advisor
(432)894-1588
XTO Permian Operating, LLC
6401 Holiday Hill Road, Bldg 5
Midland, TX 79707

XTO ENERGY
An ExxonMobil Subsidiary

July 07, 2025

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

Re: Administrative Order 2RF-155
Shanghai Recycling Facility
Facility ID (fVV2103456039)

Victoria,

XTO Permian Operating, LLC. Respectfully requests a one-year extension to the existing C-147 permit for the Shanghai Recycling Facility. The annual extension requests of the Permit 2RF-155 Shanghai Recycling Facility ID (fVV2103456039) from May 22, 2024 to May 21, 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 Advisor

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-147
Revised April 3, 2017

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 Road, Bldg 5, Midland, TX 79707
Facility or well name (include API# if associated with a well): Shanghai
OCD Permit Number: 2RF-155 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr _____ Section 22 Township 25 South Range 29 East County: Eddy County
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.118675° Longitude -103.974825° 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 32.117775° Longitude -103.974687 NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☒ Liner type: Thickness 60 mil ☐ LLDPE ☒ HDPE ☐ PVC ☒ Other 40 mil HDPE (secondary liner)
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☒ Other Field Volume: 1,000,000 bbl each Dimensions: L 1500 ft x W 1200 ft x D 16 ft
☐ 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_Eight (8) feet high game fence with three (3) strands of barbed wire on top_____

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 Advisor

Signature: Kristen Houston Date: 7/7/2025

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-55

- [X] OCD Conditions
- [X] Additional OCD Conditions on Attachment

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SHANGHAI 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	Pump Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-24	INITIAL Pond Drain	01/05/24		268	0	
	24 HR Leak Detection		24hr		268	
	INITIAL Pond Drain	01/11/24		482	0	
	24 HR Leak Detection		24hr		482	
	INITIAL Pond Drain	01/19/24		159	0	
	24 HR Leak Detection		24hr		159	
	INITIAL Pond Drain	01/30/24		862	0	
	24 HR Leak Detection		24hr		862	
Feb-24	INITIAL Pond Drain	02/09/24		1	0	
	24 HR Leak Detection		24hr		1	
	INITIAL Pond Drain	02/15/24		265	0	
	24 HR Leak Detection		24hr		265	
	INITIAL Pond Drain	02/19/24		undetermined amount	0	
	24 HR Leak Detection		24hr			
	INITIAL Pond Drain	02/28/24		189	0	
	24 HR Leak Detection		24hr		189	
Mar-24	INITIAL Pond Drain	03/06/24		325	0	
	24 HR Leak Detection		24hr		325	
	INITIAL Pond Drain	03/11/24		179	0	
	24 HR Leak Detection		24hr		179	
	INITIAL Pond Drain	03/17/24		320	0	
	24 HR Leak Detection		24hr		320	
	INITIAL Pond Drain	03/24/24		168	0	
	24 HR Leak Detection		24 Hr		168	
Apr-24	INITIAL Pond Drain	04/02/24	24HR	327	0	
	24 HR Leak Detection				327	
	INITIAL Pond Drain	04/06/24		668	0	
	24 HR Leak Detection		24hr		668	
	INITIAL Pond Drain	04/16/24		397	0	
	24 HR Leak Detection		24hr		397	
	INITIAL Pond Drain	04/19/24		191	0	
	24 HR Leak Detection		24 hr		191	

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May-24	INITIAL Pond Drain	05/04/24		200	0	
	24 HR Leak Detection		24hr		200	
	INITIAL Pond Drain	05/11/24		356	0	liner repairs completed 5/9/2024
	24 HR Leak Detection		24hr		356	
	INITIAL Pond Drain	05/17/24		296	0	started refilling pit 5/21/2024
	24 HR Leak Detection		24hr		296	
	INITIAL Pond Drain	05/26/24		237	0	
	24 HR Leak Detection		24hr		237	
Jun-24	INITIAL Pond Drain	06/03/24	24hr	198	0	
	24 HR Leak Detection				198	
	INITIAL Pond Drain	06/11/24		215	0	
	24 HR Leak Detection		24hr		215	
	INITIAL Pond Drain	06/16/24		30	0	
	24 HR Leak Detection		24hr		30	
	INITIAL Pond Drain	06/30/24		268	0	
	24 HR Leak Detection		24hr		268	
Jul-24	INITIAL Pond Drain	07/07/24		262	0	
	24 HR Leak Detection		24hr		262	
	INITIAL Pond Drain	07/14/24		45	0	
	24 HR Leak Detection		24hr		45	
	INITIAL Pond Drain	07/22/24		275	0	
	24 HR Leak Detection		24hr		275	
	INITIAL Pond Drain	07/28/24		64	0	
	24 HR Leak Detection		24hr		64	
Aug-24	INITIAL Pond Drain	08/05/24		359	0	
	24 HR Leak Detection		24hr		359	
	INITIAL Pond Drain	08/11/24		95	0	
	24 HR Leak Detection		24hr		95	
	INITIAL Pond Drain	08/21/24		319	0	
	24 HR Leak Detection		24hr		319	
	INITIAL Pond Drain	08/25/24		72	0	
	24 HR Leak Detection		24hr		72	
Sep-24	INITIAL Pond Drain	09/02/24		1,584	0	
	24 HR Leak Detection		24hr		1584	
	INITIAL Pond Drain	09/10/24		120	0	
	24 HR Leak Detection		24hr		120	
	INITIAL Pond Drain	09/17/24		106	0	
	24 HR Leak Detection		24hr		106	
	INITIAL Pond Drain	09/26/24		197	0	
	24 HR Leak Detection		24hr		197	
Oct-24	INITIAL Pond Drain	10/07/24		246	0	
	24 HR Leak Detection		24hr		246	
	INITIAL Pond Drain	10/17/24		209	0	
	24 HR Leak Detection		24hr		209	
	INITIAL Pond Drain	10/24/24		300	0	
	24 HR Leak Detection		24hr		300	
	INITIAL Pond Drain	10/30/24		166	0	
	24 HR Leak Detection		24hr		166	

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Nov-24	INITIAL Pond Drain	11/06/24		150	0	
	24 HR Leak Detection		24hr		150	
	INITIAL Pond Drain	11/13/24		198	0	
	24 HR Leak Detection		24hr		198	
	INITIAL Pond Drain	11/19/24		150	0	
	24 HR Leak Detection		24hr		150	
	INITIAL Pond Drain	11/29/24		226	0	
	24 HR Leak Detection		24hr		226	
Dec-24	INITIAL Pond Drain	12/07/24		332	0	
	24 HR Leak Detection		24hr		332	
	INITIAL Pond Drain	12/14/24		120	0	
	24 HR Leak Detection		24hr		120	
	INITIAL Pond Drain	12/22/24		284	0	
	24 HR Leak Detection		24hr		284	
	INITIAL Pond Drain	12/28/24		195	0	
	24 HR Leak Detection		24hr		195	

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		17	0	
	24 HR Leak Detection		24hr		17	
	INITIAL Pond Drain	01/11/24		0	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain	01/19/24		85	0	
	24 HR Leak Detection		24hr		85	
	INITIAL Pond Drain	01/30/24		2	0	
	24 HR Leak Detection		24hr		2	
Feb-24	INITIAL Pond Drain	02/09/24		8	0	
	24 HR Leak Detection		24hr		8	
	INITIAL Pond Drain	02/15/24		12	0	
	24 HR Leak Detection		24hr		12	
	INITIAL Pond Drain	02/19/24		0	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain	02/28/24		15	0	
	24 HR Leak Detection		24hr		15	
Mar-24	INITIAL Pond Drain	03/06/24		10	0	
	24 HR Leak Detection		24hr		10	
	INITIAL Pond Drain	03/11/24		43	0	
	24 HR Leak Detection		24hr		43	
	INITIAL Pond Drain	03/17/24		Flow meter doesn't work	0	
	24 HR Leak Detection		24hr			
	INITIAL Pond Drain	03/24/24		246	0	
	24 HR Leak Detection		24 Hr		246	
	INITIAL Pond Drain	04/02/24	24HR	flow meter doesn't work	0	

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	24 HR Leak Detection			flow meter doesn't work		
Apr-24	INITIAL Pond Drain	04/06/24		85	0	
	24 HR Leak Detection		24hr		85	
	INITIAL Pond Drain	04/16/24		EMPTY	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain	04/19/24		26	0	
	24 HR Leak Detection		24 hr		26	
May-24	INITIAL Pond Drain	05/04/24		16	0	
	24 HR Leak Detection		24hr		16	
	INITIAL Pond Drain	05/11/24		0	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain	05/17/24		125	0	
	24 HR Leak Detection		24hr		125	
	INITIAL Pond Drain	05/26/24		95	0	
	24 HR Leak Detection		24hr		95	
Jun-24	INITIAL Pond Drain	06/03/24	24hr	0	0	
	24 HR Leak Detection				0	
	INITIAL Pond Drain	06/11/24		3	0	
	24 HR Leak Detection		24hr		3	
	INITIAL Pond Drain	06/16/24		115	0	
	24 HR Leak Detection		24hr		115	
	INITIAL Pond Drain	06/30/24		200	0	
	24 HR Leak Detection		24hr		200	
Jul-24	INITIAL Pond Drain	07/07/24		95	0	
	24 HR Leak Detection		24hr		95	
	INITIAL Pond Drain	07/14/24		30	0	
	24 HR Leak Detection		24hr		30	
	INITIAL Pond Drain	07/22/24		69	0	
	24 HR Leak Detection		24hr		69	
	INITIAL Pond Drain	07/28/24		170	0	
	24 HR Leak Detection		24hr		170	
Aug-24	INITIAL Pond Drain	08/05/24		80	0	
	24 HR Leak Detection		24hr		80	
	INITIAL Pond Drain	08/11/24		13	0	
	24 HR Leak Detection		24hr		13	
	INITIAL Pond Drain	08/21/24		137	0	
	24 HR Leak Detection		24hr		137	
	INITIAL Pond Drain	08/25/24		93	0	
	24 HR Leak Detection		24hr		93	
Sep-24	INITIAL Pond Drain	09/02/24		88	0	
	24 HR Leak Detection		24hr		88	
	INITIAL Pond Drain	09/10/24		73	0	
	24 HR Leak Detection		24hr		73	
	INITIAL Pond Drain	09/17/24		20	0	
	24 HR Leak Detection		24hr		20	
	INITIAL Pond Drain	09/26/24		126	0	
	24 HR Leak Detection		24hr		126	

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Oct-24	INITIAL Pond Drain	10/07/24		145	0	
	24 HR Leak Detection		24hr		145	
	INITIAL Pond Drain	10/17/24		158	0	
	24 HR Leak Detection		24hr		158	
	INITIAL Pond Drain	10/24/24		250	0	
	24 HR Leak Detection		24hr		250	
	INITIAL Pond Drain	10/30/24		84	0	
	24 HR Leak Detection		24hr		84	
Nov-24	INITIAL Pond Drain	11/06/24		0	0	
	24 HR Leak Detection		24hr		0	
	INITIAL Pond Drain	11/13/24		65	0	
	24 HR Leak Detection		24hr		65	
	INITIAL Pond Drain	11/19/24		17	0	
	24 HR Leak Detection		24hr			
	INITIAL Pond Drain	11/29/24		112	0	
	24 HR Leak Detection		24hr		112	
Dec-24	INITIAL Pond Drain	12/07/24		119	0	
	24 HR Leak Detection		24hr		119	
	INITIAL Pond Drain	12/14/24		75	0	
	24 HR Leak Detection		24hr		75	
	INITIAL Pond Drain	12/22/24		81	0	
	24 HR Leak Detection		24hr			
	INITIAL Pond Drain	12/28/24		94	0	
	24 HR Leak Detection		24hr		94	

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Wednesday, July 16, 2025 2:08 PM
To: Houston, Kristen /C
Subject: 2RF-155 SHANGHAI FACILITY [fVV2103456039]
Attachments: C-147 2RF-155 SHANGHAI FACILITY [fVV2103456039] 07.16.2025.pdf

2RF-155 SHANGHAI FACILITY [fVV2103456039]

Good afternoon Ms. Houston.

NMOCD has reviewed the registration /permit extension request for 2RF-155 SHANGHAI FACILITY [fVV2103456039] received from [373075] XTO PERMIAN OPERATING LLC on 07/07/2025, Application ID **482098**. The registration/permit extension request is approved with the following conditions of approval.

- 2RF-155 SHANGHAI FACILITY [fVV2103456039] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of May 22, 2024. The new registration/permit expiration date is May 22, 2025.
- [373075] XTO PERMIAN OPERATING LLC will continue to operate, maintain, and close the for 2RF-155 SHANGHAI FACILITY [fVV2103456039] 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 OCD Permitting. 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-155 SHANGHAI FACILITY [fVV2103456039] 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-155 SHANGHAI FACILITY [fVV2103456039]. [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 May 22, 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 April 22, 2025.

Please let me know if you have any additional 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

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 482098
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	2RF-155 SHANGHAI FACILITY [fVV2103456039] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of May 22, 2024. The new registration/permit expiration date is May 22, 2025. If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past May 22, 2025, a registration/permit extension request must be submitted to OCD no later than April 22, 2025.	7/16/2025