

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  
☐ Modification  
☐ Closure

☐ Registration  
☒ Extension  
☒ Other (explain) Request for cessation of operations 11/24 through 4/25

\* 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: Enduring Resources IV, LLC (For multiple operators attach page with information) OGRID #: 372286

Address: 200 Energy Court, Farmington, New Mexico 87401

Facility or well name (include API# if associated with a well): WEU 300H Water Recycle Facility / Containment

OCD Permit Number: #3RF-50 (For new facilities the permit number will be assigned by the district office)

U/L or Qtr/Qtr A Section 17 Township 22N Range 7W County: Sandoval

Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude 36.143847 Longitude -107.589762 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 36.143847 Longitude -107.589762 NAD83

☒ For multiple or additional recycling containments, attach design and location information of each containment

☒ Lined ☐ Liner type: Thickness 45 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other Secondary Liner – 30 mil

☐ String-Reinforced

Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 50K & 60K bbl Dimensions: see tank attachment

☐ 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 \_\_\_\_\_

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.

☐ Yes ☒ No  
☐ NA

- Written confirmation or verification from the municipality; written approval obtained from the municipality

Within the area overlying a subsurface mine.

☐ Yes ☒ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

Within an unstable area.

☐ Yes ☒ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

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).

☐ Yes ☒ No

- Topographic map; visual inspection (certification) of the proposed site

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Yes ☒ No

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

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.

☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

Within 500 feet of a wetland.

☐ Yes ☒ No

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

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): Heather Huntington Title: Permitting Technician  
Signature:  Date: 08/27/2024  
e-mail address: hhuntington@enduringresources.com Telephone: (970) 749-0124

11.

**OCD Representative Signature:** \_\_\_\_\_ **Approval Date:** \_\_\_\_\_

**Title:** \_\_\_\_\_ **OCD Permit Number:** \_\_\_\_\_

- ☐ OCD Conditions \_\_\_\_\_  
☐ Additional OCD Conditions on Attachment

**Venegas, Victoria, EMNRD**

---

**From:** Venegas, Victoria, EMNRD  
**Sent:** Tuesday, October 8, 2024 11:19 AM  
**To:** Heather Huntington; Kayla White  
**Subject:** 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557]  
**Attachments:** C-147 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557]  
 10.08.2024.pdf

**3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557]**

Good morning Ms. Huntington,  
 NMOCD has reviewed the extension of the cessation of operations request for 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557], received from [372286] ENDURING RESOURCES, LLC on 10/03/2024, Application ID 389846. The extension of the cessation of operations is approved with the following conditions of approval:

- 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557] registration/permit expires on July 21, 2026.
- 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557] extension of cessation of operations is approved from November 1/2024 to May 1/2025. **However, if after this 6-month period, the containment was 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.**
- [372286] ENDURING RESOURCES, LLC will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [372286] ENDURING RESOURCES, LLC may maintain a higher liquid level if they choose.
- [372286] ENDURING RESOURCES, LLC will provide written notice to OCD Permitting at least 72 hours, but no more than one week, prior to the recommencement of operations. Recommencement of recycling operations means that the operator plans to resume moving fluids through the containment and discharging fluids from the containment.
  - At the resumption of recycling operations, [372286] ENDURING RESOURCES, LLC is required to perform an incremental fluid level test for containment liquid levels above the minimum liquid level.
  - [372286] ENDURING RESOURCES, LLC will fill the containment. [372286] ENDURING RESOURCES, LLC will pause filling operations at every 10% of total fluid capacity above the minimum level.
  - [372286] ENDURING RESOURCES, LLC will maintain the liquid level for each 10% volume increase for 24 hours and inspect and operate the leak detection system at the end of the 24-hour period.
  - If there are no liquids present in the leak detection system, [372286] ENDURING RESOURCES, LLC may proceed to fill the next 10% volume and repeat the process until the containment full design capacity minus the 3-feet of freeboard is reached.
  - If liquids are present, [372286] ENDURING RESOURCES, LLC should immediately cease the incremental fill test and perform a liner inspection. [372286] ENDURING RESOURCES, LLC should provide written notice of the fluid detection and liner inspection findings to OCD via OCD Permitting using a C-147 (long form) with the “Other” box checked and “Notice of fluid detection” written as the explanation of “Other.”
  - Upon notification of fluid detection in the leak detection system, the OCD will verify the source of water (condensation versus produced water).
  - If the detected fluid is confirmed to be condensation, the OCD will issue a written approval to proceed with the incremental fluid level test.

- If the detected fluid is confirmed to be produced water, [372286] ENDURING RESOURCES, LLC must comply with 19.15.34.13 NMAC [372286] ENDURING RESOURCES, LLC must provide written notification to OCD Permitting on the actions taken to comply with 19.15.34.13 NMAC.
  - After fluid is detected in the leak detection system, the incremental fill test cannot continue until after a written approval to proceed is issued by the OCD.
  - [372286] ENDURING RESOURCES, LLC must submit copies of the detailed containment inspection records for the prior three months and a report detailing the incremental fluid level test process and results through OCD Permitting using a C-147 (long form) with the "Other" box checked. "Recommendation of Operations - Incremental Fluid Level Test" should be written as the explanation of "Other." Form C-147 must be completed and include information in sections 1 General Information, 2 Recycling Facility, 3 Recycling Containment, 4 Bonding, and 10 Operator Application Certification. Section 9 Recycling Facility and/or Containment Checklist may also need to be partially completed. Operators should verify that the resumption of operations notification does not result in any changes to the recycling containment operating and maintenance plan or the closure plan. If the recommencement of operations will affect the operating and maintenance plan or closure plan, operators should check those boxes in section 9 and provide updated plans or plan addendums as attachments to the C-147.
- [372286] ENDURING RESOURCES, LLC will continue to operate, maintain, and close 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [fVV2123855557] in compliance with 19.15.34 NMAC, to include but not limited detailed inspection records, removal of trash/oil from containment, and monthly C-148 reporting (even if there is zero activity).
  - A minimum of 3-feet freeboard must always be maintained in the recycling containment during operations.

Please let me know if you have any further 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](mailto:Victoria.Venegas@emnrd.nm.gov)  
<https://www.emnrd.nm.gov/oecd/>



**From:** [Kayla White](#)  
**To:** [Tafoya, Jeff](#)  
**Cc:** [Wenman, Christopher P](#); [Adeloye, Abiodun A](#); [Craun, James \(Nolan\)](#); [Heather Huntington](#)  
**Subject:** Enduring Resources WEU 300H Notice of Cessation of Operations  
**Date:** Wednesday, August 28, 2024 8:10:00 AM

---

Good morning Mr. Tafoya,

Enduring Resources is requesting a cessation of operations from NMOCD for the WEU 300H Water Recycling Facility. In accordance with 19.15.34.10.A NMAC, Enduring Resources is required to notify the surface owner of the request, which in this case is BLM. Please consider this email as surface owner notification of this extension request. The requested extension is in accordance with 19.15.34.13.C NMAC, *"A recycling containment shall be deemed to have ceased operations if less than twenty percent of the total fluid capacity is used every six months following the first withdrawal of produced water for use. The operator must report cessation of operations to the division."*

Enduring is requesting a cessation of operations from 11/2024 through the end of 4/2025. There have been no indications that the leak detection system integrity is compromised. Enduring will continue to operate the facility per regulations in 19.15.34 NMAC.

This email is the surface owner notification of this permit extension request.

Please let us know if you have any questions.

Thank you,

Kayla White, P.E.  
CDH Consulting, LLC  
720-768-3575  
[kwhite@CDHConsult.com](mailto:kwhite@CDHConsult.com)



[www.CDHConsult.com](http://www.CDHConsult.com)

## Enduring Resouces, LLC

## AST Recycling Facility Inspection Sheet

WEU #300 50K

3RF-50

SECTION 17 TOWNSHIP 22N RANGE 7W

SANDAVOL COUNTY NEW MEXICO

## LEAK

DATE	AST LVL	DETECTION
1/3/2024	15"	0"
1/10/2024	15"	0"
1/17/2024	15"	0"
1/24/2024	15"	0"
1/31/2024	15"	0"
2/7/2024	15"	0"
2/14/2024	15"	0"
2/21/2024	15"	0"
2/28/2024	15"	0"
3/6/2024	15"	0"
3/13/2024	15"	0"
3/20/2024	15"	0"
3/27/2024	15"	0"
4/3/2024	15"	0"
4/10/2024	64"	0"
4/17/2024	90"	0"
4/24/2024	19"	0"
5/1/2024	19"	0"
5/8/2024	19"	0"
5/15/2024	19"	0"
5/22/2024	19"	0"
5/29/2024	19"	0"
6/5/2024	19"	0"
6/12/2024	19"	0"
6/19/2024	19"	0"
6/26/2024	19"	0"
7/3/2024	19"	0"
7/10/2024	19"	0"
7/17/2024	19"	0"
7/24/2024	19"	0"
7/31/2024	19"	0"
8/7/2024	19"	0"
8/14/2024	19"	0"
8/21/2024	19"	0"



ENDURING RESOURCES IV LLC

200 Energy Court Farmington, NM 87401  
Field Office: 505.636.9720 | Main Office: 303.573.1222

Enduring Resources, LLC  
WEU 300 – 3RF-50  
Recycling Facility/Containment  
Cessation Request for 19.15.34 NMAC

New Mexico Oil Conservation Division  
Attn: Victoria Venegas

Enduring Resources is requesting a cessation of operations for the WEU 300 (3RF-50) Water Recycling Facility. In accordance with 19.15.34.13.C NMAC, *"A recycling containment shall be deemed to have ceased operations if less than twenty percent of the total fluid capacity is used every six months following the first withdrawal of produced water for use. The operator must report cessation of operations to the division."*

Enduring is requesting a cessation of operations from 11/2024 through the end of 4/2025. The division may grant an extension to this determination of cessation of operations not to exceed six months. Enduring has included records for the last 6 months of inspections at this facility.

Thank you,

Heather Huntington  
Permitting Technician  
Enduring Resources, LLC.  
[hhuntington@enduringresources.com](mailto:hhuntington@enduringresources.com)

**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 389846

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 389846
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• 3RF-50 - W ESCAVADA UNIT 300H – FACILITY ID [FVV2123855557] extension of cessation of operations is approved from November 1/2024 to May 1/2025. However, if after this 6-month period, the containment was 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.	10/8/2024