



| Corporate Headquarters | 952 Echo Lane, Ste 130 | Houston, TX 77024 |
| Midland Headquarters | 3403-B E. County Road 44 | Midland, TX 79705 |

November 2025

Ms. Victoria Venegas
NMOCD – District 2
811 S. First St.
Artesia, NM 88210
Via Email

RE: Solaris Water Midstream, LLC, Ranger ASTS Transfer of Permit, Section 22 of 20S 33E,
Lea County

Dear Ms. Venegas:

This package includes

1. A Form C-147 Modification of 1RF-501 that is a TRANSFER OF PERMIT from Solaris Water Midstream, LLC to Ranger Water Midstream, LLC.
2. A signed transfer request from an authorized employee of Solaris Water Midstream, LLC requesting the transfer of Ranger ASTs (Facility ID fVV2301837497, Permit ID 1RF-501) to Ranger Water Midstream, LLC.
3. A cost estimate that supports the bond amount and demonstrates appropriate financial assurance is in place for the containments.
4. A Letter of Intent with a certified signature and a date that clearly indicates the new operator's intended purpose for the recycling containments.

Sincerely,
Cascade Services, LLC

A handwritten signature in black ink that reads 'George Jennings'.

George Jennings
Senior Geologist

gjennings@cascadeservicesllc.com



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C-147 Form

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 There were originally 2 AST's in this facility. AST #1 was closed. This transfer of operatorship is for AST #2
☐ Modification ☐ Extension
☐ Closure ☒ Other (explain) Transfer of Permit

*** 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: Solaris Water Midstream LLC (For multiple operators attach page with information) OGRID #: 371643
 Address: 9811 Katy Freeway, Suite 900, Houston, Texas 77024
 Facility or well name (include API# if associated with a well): RANGER ASTS (facility ID: fVV2301837497) There were originally 2 AST's in this facility. AST #1 was closed. This transfer of operatorship is for AST #2
 OCD Permit Number: 1RF-501 (For new facilities the permit number will be assigned by the district office)
 U/L or Qtr/Qtr I&P Section 22 Township 20S Range 33E County: Lea
 Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
 Location of recycling facility (if applicable): Latitude 32.554988 Longitude -103.645183 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 32.554988 Longitude -103.645183 NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☐ Liner type: Thickness 40 & 30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
 Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 60K bbl Dimensions: L _____ x W _____ x D _____
☐ 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 \$ 23,995.75 (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 See Variance

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): Chad Gallagher Title: Land Water Solutions Manager
Signature: *Chad Gallagher* Date: 11/17/2025
e-mail address: chad.gallagher@ariswater.com Telephone: 575-444-9786

11.

OCD Representative Signature: *Victoria Venegas* Approval Date: 11/19/2025

Title: Environmental Specialist OCD Permit Number: 1RF-501

- ☒ OCD Conditions
- ☒ Additional OCD Conditions on Attachment



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Signed Transfer Request

+19.15.34 NMAC - TRANSFER OF PERMIT OR REGISTRATION

The operator shall not transfer a permit or registration without the OCD's prior written approval. A request for transfer of a permit or registration shall identify operator (transferor) and transferee. If the OCD denies the transfer request, it shall notify the operator and the proposed transferee of the denial. Until the OCD approves the transfer and the required financial assurance is in place, the OCD shall not release the transferor's financial assurance, if applicable, and transfer the permit or registration to the transferee.

FACILITY INFORMATION:**Permit or Registration ID:** 1RF-501**Facility Name:** Ranger ASTs (Facility ID [fVV2301837497])**Legal Description:****Location:** Unit Letter I, Section 22, Township 20S, Range 33E, Lea County, NM**From:** Company Name: Solaris Water Midstream, LLC

Company Address: 9651 Katy Freeway, Suite 400, Houston, TX 77024

To: Company Name: Ranger Water Midstream, LLC

Company Address: 1008 Southview Cir, Center, TX 75935

CERTIFICATION:

Solaris Water Midstream, LLC, hereby requests that the above permit or registration be transferred to Ranger Water Midstream, LLC.

Print Name: Drew Dixon

OGRID #: 371643

Signature: Date: 5/22/2025Title: SVP-Land and RegulatoryMailing Address: 9651 Katy Fwy, Suite 400, Houston Texas 77024Contact Telephone Number: (832) 304-7003Contact Email: drew.dixon@ariswater.com

Ranger Water Midstream, LLC, by the officer whose signature appears below, accepts this permit or registration, and agrees to comply with all terms and conditions contained herein and with 19.15.34 NMAC. Ranger Water Midstream, LLC further acknowledges that the OCD for good cause shown as necessary to protect fresh water, human health, and the environment may change such terms and conditions administratively. Ranger Water Midstream, LLC also acknowledges that the surface owner has been notified of the transfer.

Accepted:

RANGER WATER MIDSTREAM, LLC

Print Name: Gary Fisher

OGRID #: 333197

Signature: 

Date: 05 / 23 / 2025

Title: President

Mailing Address: 1008 Southview Cir, Center, TX 75935

Contact Telephone Number: 720-315-8035


Contact Email: gfisher@rwmidstream.com



Audit trail

Title	Transfer of Permit - 1RF-501 - 05-22-2025
File name	Transfer of Permi... - 05-22-2025.pdf
Document ID	e988c826efed1677bc466b4310a831946b8dc8df
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History

 SENT	05 / 23 / 2025 11:41:52 UTC-4	Sent for signature to Gary Fisher (gfisher@rwmidstream.com) from mstockdell@rwmidstream.com IP: 12.146.139.10
 VIEWED	05 / 23 / 2025 12:11:33 UTC-4	Viewed by Gary Fisher (gfisher@rwmidstream.com) IP: 158.51.20.108
 SIGNED	05 / 23 / 2025 12:11:47 UTC-4	Signed by Gary Fisher (gfisher@rwmidstream.com) IP: 158.51.20.108
 COMPLETED	05 / 23 / 2025 12:11:47 UTC-4	The document has been completed.



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Closure Cost Estimate



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Ranger RF AST Containment Financial Assurance Cost Estimate

Below is the cost estimate for reclamation of the Ranger RF Recycling AST containment.

Ranger RF AST Containment Closure Report

The cost sheet below also shows closure sampling and analysis cost to “test the soils beneath the containment for contamination with a five-point composite sample which includes stained or wet soils, if any, and that sample shall be analyzed for the constituents listed in Table I” of Rule 34. Total closure sampling costs including project management and preparation of the Closure Report for the site are estimated at \$7,500.

All work elements required by Rule 34:	\$15,922
Est. Tax TBD	0
Preparation of sampling results and closure report:	\$7,500.00
Estimated Tax	573.75
Total Closure Cost:	\$23,995.75



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Letter of Intent



November 12, 2025

Ms. Victoria Venegas
NMOCD - District 2
811 S. First St.
Artesia, NM 88210

Via E-Mail

Ms. Venegas,

In response to your request for "a letter with a certified signature and a date that clearly indicates the new operator's intended purpose for the recycling containments," Ranger Water Midstream, LLC affirms that the 1RF-501 AST will be employed for produced water recycling, with treated water provided to other operators.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Fisher", is written above the typed name.

Gary Fisher, President
Ranger Water Midstream, LLC





Audit trail

Title	Signature - Letter of Intent - Transfer of 1RF-501
File name	Letter_of_Intent_..._-_11-12-2025.pdf
Document ID	1d8c423e38f7e5d4bffd422d4829f2589534e0d1
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History

 SENT	11 / 12 / 2025 14:26:12 UTC-6	Sent for signature to Gary Fisher (gfisher@rwmidstream.com) from mstockdell@rwmidstream.com IP: 12.146.139.10
 VIEWED	11 / 12 / 2025 14:30:42 UTC-6	Viewed by Gary Fisher (gfisher@rwmidstream.com) IP: 129.222.67.182
 SIGNED	11 / 12 / 2025 14:31:04 UTC-6	Signed by Gary Fisher (gfisher@rwmidstream.com) IP: 129.222.67.182
 COMPLETED	11 / 12 / 2025 14:31:04 UTC-6	The document has been completed.

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Wednesday, November 19, 2025 9:41 AM
To: 'Chad Gallagher'; gfisher@rwmidstream.com; gjennings@cascadeservicesllc.com; Bobbi Jo Crain
Subject: TRANSFER OF PERMIT OR REGISTRATION. 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497].
Attachments: C-147 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] 11.19.2025.pdf

TRANSFER OF PERMIT OR REGISTRATION 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497].

Good morning Mr. Gallagher.

NMOCD has reviewed the permit/registration transfer application received from [371643] SOLARIS WATER MIDSTREAM LLC on 11/18/2025, Application ID **527480**, to transfer permit 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] from [371643] SOLARIS WATER MIDSTREAM LLC to [333197] Ranger Water Midstream, LLC. The form C-147 and related documents are approved for the transfer of permit/registration with the following conditions of approval:

- **[333197] Ranger Water Midstream, LLC will comply with all conditions previously approved for permit 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497]. No changes to the operations procedures, maintenance, and monitoring procedures, or closing procedures will be made and 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] must operate as originally permitted.**
- A minimum of 3-feet freeboard must be maintained at 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] at all times during operations.
- If less than 20% of the total fluid capacity is utilized every six months, beginning from the first withdrawal, operations of the 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] are considered ceased and a notification of cessation of operations should be sent electronically to OCD Permitting. A request 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, 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] 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 financial assurance should be mailed to: EMNRD - Oil Conservation Division, Administration & Compliance Bureau Attn: Bond Administrator 1220 S. St. Francis Drive| Santa Fe, NM 87505.
- [333197] Ranger Water Midstream, LLC shall submit monthly reports of recycling and reuse of produced water, drilling fluids, and liquid oil field waste on OCD form C-148 via OCD Permitting even if there is zero activity.
- [333197] Ranger Water Midstream, LLC must inspect the 1RF-501 - RANGER ASTs FACILITY ID [fVV2301837497] recycling containment and associated leak detection systems weekly while it contains fluids per 19.15.34.13(A). [333197] Ranger Water Midstream, LLC shall maintain a current log of such inspections and make the log available for review by the division upon request.

Please let me know if you have any additional questions.

Regards,

Victoria Venegas • Senior Environmental Scientist
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 527480

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 527480
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the permit/registration transfer application received from [371643] SOLARIS WATER MIDSTREAM LLC on 11/18/2025, Application ID 527480, to transfer permit 1RF-501 - RANGER ASTs FACILITY ID [fV2301837497] from [371643] SOLARIS WATER MIDSTREAM LLC to [333197] Ranger Water Midstream, LLC. The form C-147 and related documents are approved	11/19/2025