

1RF-469 - Facility ID
[fVV2117939365]

Dominator Above-
Ground Storage Tank.
C-147/Conditions of
Approval

[371643] SOLARIS WATER
MIDSTREAM, LLC
June 28, 2021

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Monday, June 28, 2021 2:47 PM
To: 'Teena Robbins'; 'Michael Incerto'; todd.carpenter@solarismidstream.com
Cc: r@rthicksconsult.com; madison@rthicksconsultant.com
Subject: 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID fVV2117939365
Attachments: C-147 1RF-469 - Dominator AST, Facility ID fVV2117939365.pdf

1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#)

Ms. Robbins,

NMOCD has reviewed the recycling containment permit application and related documents, submitted by [371643] SOLARIS WATER MIDSTREAM, LLC on March 31, 2021 for the proposed Dominator Above-Ground Storage Tank in Unit Letter O, Section 25, Township 25S, Range 33E, Lea County, New Mexico.

The application has been assigned the OCD Administrative Order number **1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#)**

[371643] SOLARIS WATER MIDSTREAM, LLC requested variances from 19.15.34 NMAC for 1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#) related to 19.15.34. NMAC

The following variances have been approved.

- The variance to 19.15.34.12.A (2) NMAC for the no side-slope requirement for the AST containment with vertical walls is approved.
- The variance to 19.15.34.12.A (3) NMAC for the liners to be anchored to the top of the AST steel walls with clips and no anchor trenches is approved.
- The variance to 19.15.34.12.A (4) NMAC for the installation on the AST of one layer of 40-mil LLDPE non-reinforced geomembrane as a primary liner and a secondary liner comprised of one layer of 30-mil LLDPE non reinforced material is approved.
- The variance to 19.15.34.12 A (4) NMAC for the installation on the AST containment of a 40-mil non-reinforced LLDPE primary liner and a 40-mil non-reinforced LLDPE secondary liner with a 200-mil geogrid drainage layer is approved.
- The variance to 19.15.34.14 NMAC Table I for the use of alternate analytical method 8015 for total petroleum hydrocarbons (TPH) is approved.
- The variance to 19.15.34.14 NMAC Table I for the use of alternate analytical method EPA 300.0 or SM4500 for the analysis of chloride is approved.

The following variance has been denied.

- The variance to 19.15.34.13 B (2) NMAC for a 2-foot freeboard has been denied. 1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#) must operate with the 3-foot freeboard as specified by rule.

The form C-147 and related documents for 1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#) is approved with the following conditions of approval:

- [371643] SOLARIS WATER MIDSTREAM, LLC shall construct, operate, maintain, close, and reclaim the 1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#) in compliance with 19.15.34 NMAC.
- The 1RF-469 - Dominator Above-Ground Storage Tank , Facility ID [fVV2117939365](#) is approved for five years of operation from the date of permit application. 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID

[fVV2117939365](#) permit expires on March 31, 2026. If [371643] SOLARIS WATER MIDSTREAM, LLC wishes to extend operations past five years, an annual permit extension request must be submitted using an OCD form C-147 through [OCD Online](#) by February 28, 2026.

- [371643] SOLARIS WATER MIDSTREAM cannot receive produced water in 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#) until after the original copy of the financial assurance has been accepted by OCD.
- Per Rule 19.15.34.15.A.(1) operators without existing financial assurance pursuant to 19.15.8 NMAC shall furnish financial assurance acceptable to the division in the amount of the recycling containment's estimated closure cost. The total closure cost estimate for 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#) consisting of one (1) AST in Unit Letter O, Section 25, Township 25S, Range 33E, Lea County, New Mexico in the amount of \$33,500.00 satisfies the requirements of NMAC 19.15.34.15.A.(1).
- The financial assurance bond should be mailed to the Oil Conservation Division; ATTN: Eva Mathes, Bonding and Compliance; 1220 South St Frances Drive; Santa Fe, NM 87505. OCD will notify you when the bond has been received and approved.
- [371643] SOLARIS WATER MIDSTREAM shall notify OCD when construction of 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#) commences.
- [371643] SOLARIS WATER MIDSTREAM shall notify OCD when recycling operations commence and cease at for 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#).
- A minimum of 3-feet freeboard must be maintained in the AST recycling containment, at all times during operations.
- If less than 20% of the total fluid capacity is utilized every six months, beginning from the first withdrawal, operation of the facility is considered ceased and notification of cessation of operations should be sent electronically to OCD.Enviro@state.nm.us. An extension to extend the cessation of operation, not to exceed six months, may be submitted using a C-147 form through [OCD Online](#).
- [371643] SOLARIS 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 through [OCD Online](#) even if there is zero activity.
- [371643] SOLARIS WATER MIDSTREAM, LLC shall comply with 19.15.29 NMAC Releases in the event of any release of produced water or other oil field wastes at 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#).

Please reference number for 1RF-469 - Dominator Above-Ground Storage Tank, Facility ID [fVV2117939365](#) in all future communications. A copy of this electronic communication can be found in facility file on OCD Imaging @:

<https://ocdimage.emnrd.state.nm.us/imaging/FacilityFileView.aspx?facility=fVV2117939365>

Regards,

Victoria Venegas • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811S. First St. | Artesia, NM 88210

(575) 909-0269 | Victoria.Venegas@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



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: Solaris Midstream LLC OGRID #: 371643
Address: 9811 Katy Freeway, Suite 900, Houston, TX, 77024
Facility or well name (include API# if associated with a well): Dominator Above-Ground Storage Tank
OCD Permit Number: IRF-469 (For new facilities the permit number will be assigned by the district)
Facility ID fVV2117939365
Office) Qtr/Qtr: O Section: 25 Township: 25S Range: 33E County: Lea
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Recycling Facility:
Location of (if applicable): Latitude: 32.096648°N Longitude: 103.525092°W approximately (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: 32.096648°N Longitude: 103.525092°W approx. (NAD83)
 For multiple or additional recycling containments, attach design and location information of each containment
 Lined Liner type: Thickness See Attachment Plate 1 LLDPE HDPE PVC Other _____
 String-Reinforced
Liner Seams: Welded Factory Other Volume: See Attachment Plate 1 Dimensions _____
 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 \$ _\$33,500 _____ (work on these facilities cannot commence until bonding amounts are approved)

Attach closure cost estimate and documentation on how the closure cost was calculated. (See Transmittal Letter)

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. See Volume 2 for Variances

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	
<u>Ground water is less than 50 feet below the bottom of the Recycling Containment.</u> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells FIGURES 1-2	<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 FIGURE 3	<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 FIGURE 4	<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 FIGURE 5	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. FEMA map FIGURE 6	<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 FIGURE 7	<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 FIGURE 8	<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. FIGURES 1 and 7 - 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. FIGURE 9 - 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): Bradley Todd Carpenter Title: Operations Manager

Signature: Todd Carpenter Date: 3/31/2021

e-mail address todd.carpenter@solarismidstream.com Telephone: 432-413-0918

11.

OCD Representative Signature: Victoria Venegas Approval Date: 06/28/2021

Title: Environmental Specialist OCD Permit Number: 1RF-469 - Facility ID

OCD Conditions fVV2117939365

Additional OCD Conditions on Attachment

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 34103

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 34103
	Action Type: [C-147] Water Recycle Short (C-147S)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	6/28/2021