Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS HOLDINGS LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

March 8 2016

7014 1200 0002 0906 3810
Return Receipt Requested

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

Re: Enterprise Field Services LLC
Below Grade Tank Registrations

To Whom It May Concern:

Enterprise Field Services LLC is submitting Below Grade Tank Registrations for the following facilities:

- Poker Lake Compressor Station
- Nash Compressor Station
- Lost Tank Compressor Station
- Sand Dunes Compressor Station
- Corazon Compressor Station
- Trunk C Compressor Station
- Turkey Track Compressor Station
- Cedar Canyon Compressor Station

If you have questions or require additional information, please contact our area environmental representative, Alena Polk at (575) 706-4926, or me directly at (713) 381-6684.

Sincerely,

Jon E. Fields
Director, Field Environmental

cc: Oil Conservation Division, District II, 811 S. First Street, Artesia, NM 88210

P. O. BOX 4324
HOUSTON, TX 77210-4324
713.381.6500

1100 LOUISIANA STREET
HOUSTON, TX 77002-5227
www.enterpriseproducts.com

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 W. Texas Ave
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

OKLAHOMA CITY
430 West Wilshire Blvd, Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7033

SAN ANTONIO
13111 Lookout Way
San Antonio, Texas 78223
Phone 210.265.8025
Fax 210.568.2191

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

Toll Free: 866.742.0742
www.talonlpe.com

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan

Sand Dunes Compressor Station

Owned/Operated:
Enterprise Field Services, LLC
PO Box 4324
Houston, TX 77210-4324

Prepared by: Talon/LPE
December 2015

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1. INTRODUCTION

Enterprise Field Services, LLC is pleased to submit this application for a below-grade tank with secondary containment and leak detection. The proposed tank will be owned and operated by Enterprise Field Services, LLC and is proposed to be installed on federally owned land. The existing facility, Sand Dunes Compressor Station, is located at 32.277222, -103.798056 (NAD 1983), on the southwest ¼ of the northeast ¼ of section 29, township 23 south, range 31 east, in Eddy county. The metal tank will have the capacity to hold 100 bbl of water and condensate. The existing six foot, chain link fence with barbed wire surrounds the existing facility and will include the proposed tank.

Form C-144, *Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application* is included in **Appendix 1.**

2. HYDROGEOLOGIC REPORT

Fifteen (15) wells were located within a five-mile radius of the facility. Wells measured in depth from 135 feet to 4,291 feet. Of the fifteen wells, only four (4) had water. C 02492 (New Mexico Office of the State Engineer, 2015) located 3.51 miles to the northwest had water at 85 feet. C 02492 POD2 (New Mexico Office of the State Engineer, 2015) located 3.35 miles to the northwest had water at 125 feet. C 02348 (New Mexico Office of the State Engineer, 2015) located 2.8 miles to the southeast of the facility had water at 430 feet. Finally, C 02664 (New Mexico Office of the State Engineer, 2015) located 3.94 miles north of the facility had water at 354 feet. The closest well is C 02954 EXPL (New Mexico Office of the State Engineer, 2015) located 0.69 miles to the north was drilled to 905 feet with no water located.

A 1962 report entitled "Ground-water investigations of the project Gnome area, Eddy and Lea Counties, New Mexico" prepared on the behalf of the U.S. Atomic Energy Commission (now the Department of Energy) (Cooper, 1962) encompasses the area where the facility is situated and appears to be the best available data. In 1962, approximately 70 wells in the area showed water depth with a minimum of 6.5 feet and a maximum of 445 feet.

In 2005, the EPA Waste Isolation Pilot Plant (WIPP) Recertification Fact Sheet No. 5 (Environmental Protection Agency, 2005) showed that 15 monitoring wells were drilled in the area of the Plant. Water was encountered at 50-60 feet below ground surface (bgs) in 14 of the 15 wells. The 15th well was dry.

Sand Dune Compressor Station is located outside the five mile radius of the Gnome area but within the fifteen mile radius of the Gnome area. Based on the best available data, using the well location with the highest water level, the groundwater level used for this report is 85 feet bgs.

3. SITING CRITERIA COMPLIANCE DEMONSTRATIONS

Based on topographic maps and aerial views of the site, there are no flowing or significant watercourses, lakebeds, sinkholes, wetlands, playa lakes, springs, public-use fresh water wells, or fresh water wells used for livestock consumption within a 200 foot radius of the proposed site. These maps can be found in **Appendix 4** of this report.

The bottom of the tank's outer wall will rest five feet below grade. Since data shows that groundwater levels are at approximately 50 feet, the bottom of the tank will be greater than 25 feet above groundwater.

4. DESIGN PLAN

A sign of at least 12 inches by 24 inches is currently posted upright in a conspicuous place on the surrounding fence, with lettering at least two inches in height. The sign includes the operator's name, the specific location of the site, and all necessary emergency telephone numbers. A photograph of the sign on site is included in **Appendix 3.**

A surrounding chain link perimeter fence is currently in place around the facility that will include the below-grade tank. This fence is six feet in height with two strands of barbed wire at the top. A photograph of the fence on site is included in **Appendix 3.**

The 100 bbl tank will be constructed of metal and will be resistant to sunlight damage, and to its contents of water and condensate. It will have a cone-shaped top to prevent damage from snow or water puddling, and it will be double-walled with leak detection capabilities. The foundation will have a level base free of anything that could damage the liner or tank bottom. Drawings of the tank design are included in **Appendix 2.**

5. OPERATION AND MAINTENANCE PLAN

The operation and maintenance plan will follow what is required by NMAC 19.15.17.12, and can be found in **Appendix 5** of this report.

6. CLOSURE PLAN

The closure plan will follow what is required by Subsection C of NMAC 19.15.17.9, and can be found in **Appendix 6.**

Cooper. (1962). *Ground-water investigations of the project Gnome area, Eddy and Lea Counties, New Mexico.* U.S. Atomic Energy Commission.
Environmental Protection Agency. (2005, June). EPA Waste Isolation Pilot Plant (WIPP) Recertification Fact Sheet No. 5. New Mexico, USA.
New Mexico Office of the State Engineer. (2015, December 3). New Mexico.
New Mexico Office of the State Engineer. (2015, December 3). Point of Diversion Summary - C 02348. New Mexico.
New Mexico Office of the State Engineer. (2015, December 3). Point of Diversion Summary - C 02492 POD2. New Mexico.
New Mexico Office of the State Engineer. (2015, December 3). Point of Diversion Summary - C 02664. New Mexico.
New Mexico Office of the State Engineer. (2015, December 3). Point of Diversion Summary - C02492. New Mexico.

Appendix 1

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Form C-144

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-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☒ Below grade tank registration
☐ Permit of a pit or proposed alternative method
☐ Closure of a pit, below-grade tank, or proposed alternative method
☐ Modification to an existing permit/or registration
☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please 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: Enterprise Field Services, LLC OGRID #:
Address: P O Box 4324, Houston, TX 77210-4324
Facility or well name: Sand Dunes Compressor Station
API Number: N/A OCD Permit Number: N/A
U/L or Qtr/Qtr SW 1/4 of NE 1/4 Section 29 Township 23S Range 31E County: Eddy
Center of Proposed Design: Latitude 32.277222 Longitude -103.798056 NAD: ☐1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 100 bbl Type of fluid: used lube oil, water, antifreeze
Tank Construction material: steel
☒ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☒ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC – N/A

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☒ NM Office of the State Engineer - iWATERS database search; ☒ USGS; ☒ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . 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. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - 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. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied 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 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 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 private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
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

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC - **Appendix 4**
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC – **Appendix 2**
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC - **Appendix 5**
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC – **Appendix 6**

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
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
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral 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

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Jon Fields Title: Director Field Environmental

Signature: Jon Fields Date: 03/01/2016

e-mail address: snolan@eprod.com Telephone: 713-381-6595

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** _____

20.
Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

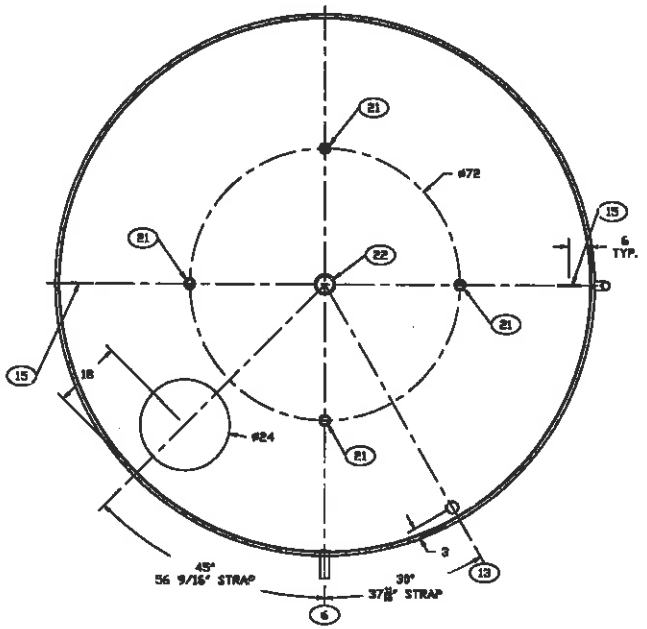
e-mail address: _____ Telephone: _____

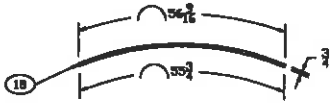
Appendix 2

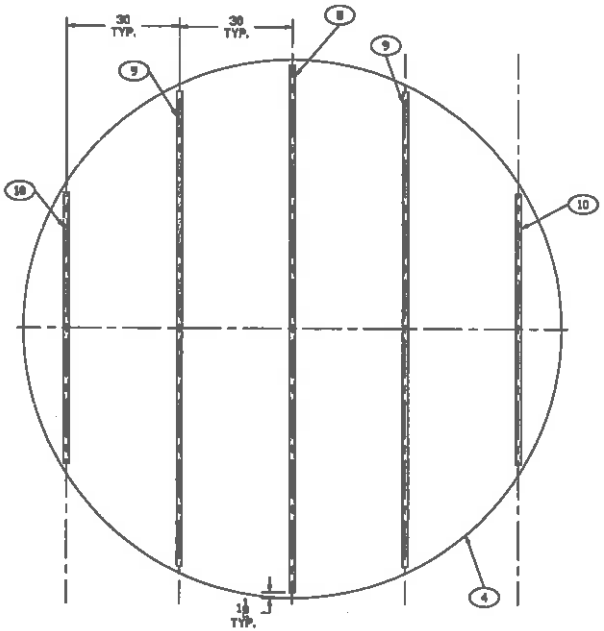
Tank Design Drawing

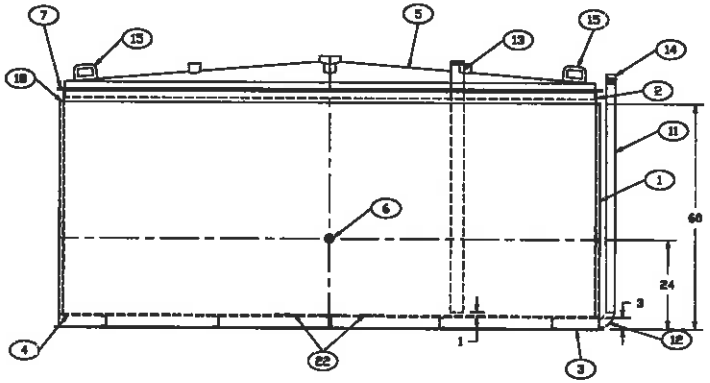
MATERIAL SPECIFICATION

ITEM	QTY.	PART #	DESCRIPTION	GRADE
1	1	RR318512	ROLLED RING 3/16" X 6' X 12' OD	SA-36
2	1	RR316811116	ROLLED RING 3/16" X 5' X 11'-10" OD	SA-36
3	1	BOT-11612	CS PL 1/4" X 12'-2" OD	SA-36
4	1	BOT-31612	CS PL 3/16" X 11'-11" OD	SA-36
5	1	TP-31612	CONE TOP FOR 12'-0" OD TANKS	SA-36
6	1	PP238218	PIPE 2" X .218" X 7 1/2" LG SCH 80 SMLS	SA-106B
7	4	RA21412	ROLLED ANGLE 1/4" X 2" X 2" X 12' OD	SA-36
8	1	SC341	CS CHANNEL 3" 4.1# X 140" LG	SA-36
9	2	SC341	CS CHANNEL 3" 4.1# X 128" LG	SA-36
10	2	SC341	CS CHANNEL 3" 4.1# X 72" LG	SA-36
11	1	PP238218	PIPE 2" X .218" X 52" LG SCH 80 SMLS TOE	SA-106B
12	1	3663	WELD ELL 2" X .218" 90 LR SCH 80	SA-234WPB
13	1	PP3218	LOAD LUG 3" X .218" X 67" LG SCH 40 SMLS T.O.E.	SA-106B
14	1	3663	CAP MALLIABLE 2" 150#	SA-197
15	2	LC3846	LIFTING EYE 3/8" X 4" X 6"	SA-36
16	1	NMPLTBRKT	NAME PLATE BRACKET	SA-36
17	1	T-NMPLBET	TANK NAME PLATE	ALUM.
18	4	SP31696R	CS PL 3/16" X 1" X 56 9/16" LG	SA-36
19	1	CP-1226	CS SHT 12 GA X 26" OD	SA-36
20	1	M1-A	HINGE 4" WITH 1/2" PIN	SA-105
21	4	86980	FS COUPLING 2" 3000# HALF	SA-105
22	1	4APSH	FS HALF CPLG 4" API	SA-105
23				
24				
25				
26				
27				









GENERAL NOTES

GENERAL NOTES:
1. ALL CPLGS HAVE 1/2" EXTERNAL PROJECTION.
2. ALL DIMENSIONS ARE HOLD UNLESS OTHERWISE NOTED.

REV	DESCRIPTION	BY	DATE

CUSTOMER:

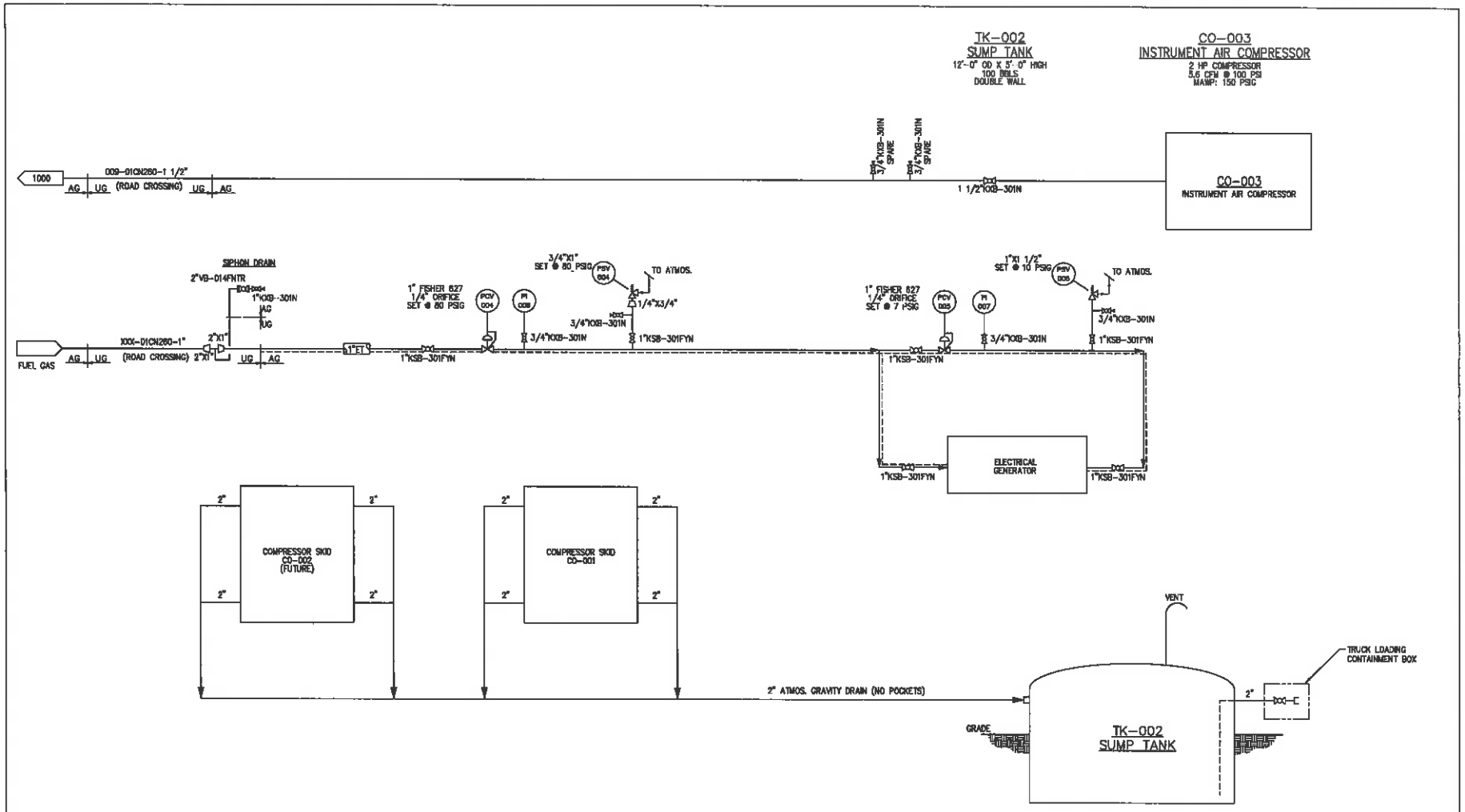
BENCHMARK EQUIPMENT & TANK
326 N. BERGIN LANE
BLOOMFIELD, N.M. 87413
(505)-632-9030

DWN BY:	CHK BY:	QC BY:	ENG:	DATE	DRAWING #
BBB				06-17-14	PT100BBLDWDBCT

TITLE: 100 BBL PIT TANK
12' DD X 5' TALL
DOUBLE BOTTOM, DOUBLE WALL
CONE TOP

REV.: 0
SCALE: 3/8"=1'-0"
PAGE: 1 OF 1

BET PART # PT100BBLDWDBCT



REFERENCE DRAWINGS			
DRA. NO.	DESCRIPTION		

REVISIONS								
NO.	DESCRIPTION	BY	DATE	CHK	DATE	APP	DATE
3	REVISED FOR VALVE NUMBERS	CR	4/22/14	DH	4/22/14	VC	4/22/14
2	REVISED AS SHOWN	CR	4/3/14	DH	4/3/14	VC	4/3/14
1	ISSUED FOR CONSTRUCTION	CR	3/21/14	DH	3/21/14	VC	3/21/14
0	SUBMITTED FOR CONSTRUCTION	TT	1/27/14	VC	1/27/14	VC	1/27/14
5	REVISED FOR AS-BUILT	BH	1/30/13	DH	1/30/13	VC	1/30/13
4	ISSUED FOR AS-BUILT	BKH	8/29/11	DH	8/29/11	VC	8/29/11

Enterprise Products Partners L.P.

ENTERPRISE PRODUCTS OPERATING LLC

CHISUM CANYON COMPRESSOR STATION

OPEN DRAIN SYSTEM/UTILITIES
PIPING & INSTRUMENT DIAGRAM

SCALE: NONE | DWG. NUMBER: 30376-PPID-1006 | REV 5

Appendix 3

Photographs

Fencing – 6 foot, 3-strand barbed wire

Sand Dunes Compressor Station Signage

Appendix 4

Maps

Sand Dunes Compressor Station – 100-foot radius

Sand Dunes Compressor Station Topographic Map within 200 feet

Sand Dunes Compressor Station – 100 feet

Sand Dunes Compressor Station 200 feet

Sand Dunes Compressor Station – 1000-foot radius

Appendix 5

Operating and Maintenance Plan

Operational Plan

NMAC 19.15.17.12

OPERATIONAL REQUIREMENTS

Enterprise will operate and maintain the below-grade tank to contain liquids and solids and maintain the secondary containment system to prevent contamination of fresh water and protect public health and the environment.

Enterprise shall not discharge into or store any hazardous waste in the below-grade tank.

If the below-grade tank develops a leak, Enterprise shall remove all liquid above the damage or leak within 48 hours of discovery, notify the appropriate division office and repair the damage or replace the below-grade tank as applicable.

Enterprise shall operate and install the below-grade tank to prevent the collection of surface water run-on.

Enterprise shall maintain on site an oil absorbent boom or other device to contain an unanticipated release.

Enterprise shall not allow a below-grade tank to overflow or allow surface water run-on to enter the below-grade tank.

Enterprise shall remove any measurable layer of oil from the fluid surface of a below-grade tank.

Enterprise shall inspect the below-grade tank for leakage and damage at least monthly.

Enterprise shall document the integrity of each tank at least annually and maintain a written record of the integrity for five years.

Enterprise shall maintain adequate freeboard to prevent overtopping of the below-grade tank.

Operator of a below-grade tank who discovers that the below-grade tank does not demonstrate integrity or that the below-grade tanks develops any of the conditions identified in Paragraph (5) of Subsection A of th19.15.17.12 NMAC (para 3 above) shall repair the damage or close the existing below-grade tank pursuant to the closure requirements of 19.15.17.13 NMAC.

Enterprise Products	System/Location: **Carlsbad - Compressor Stations**	Procedure No. **CARLS-COMPSTA-350**		
		Revision No: **0**	Revision Date: **4/06/15**	Page: **1 of 2**

Procedure Title:

Inspection of Sump Tank Interstitial Space

Procedure Description: Provide clear instructions to safely inspect sump tank interstitial space to ensure tank integrity.

Procedure Requirements: Personal Protective Equipment (P PE) must be worn including but not limited to the following: Company approved Fire Retardant Clothing (FRC) and the following ANSI / ASTM approved equipment; safety glasses, hard hat, safety shoes and hearing protection (high noise areas or activities). For additional PPE requirements, refer to the workplace Hazard Assessment (SF19).

Procedure Preparation: **BEFORE** performing this procedure, read and understand all steps.

Warning: NATURAL GAS CONDENSATE is an OSHA/NFPA Class-1A Extremely Flammable liquid. Releases flammable vapors at well below ambient temperatures and readily forms flammable mixtures with air. Exposed to an ignition source, it will burn in the open or be explosive in confined spaces. Keep away from heat, sparks and open flame. May cause irritation to eyes, skin, and respiratory system. May be harmful if inhaled or absorbed through skin and harmful or fatal if swallowed. Avoid liquid, mist, and vapor contact. Refer to SDS for proper PPE and additional information.

COMPLETION STEPS:

1. REMOVE cap on Nozzle 13.
2. Visually INSPECT interstitial space for liquids.

If liquids ARE OBSERVED then,

Replace cap on Nozzle 13.

Contact management immediately.

If liquids ARE NOT OBSERVED then,

Replace cap on Nozzle 13.

***** End of Procedure *****

Revision Log

Revision Approval Log			
Rev. No.	**Date**	**Action**	**By**
0	4/06/15	Initial Issue	T. Green

Enterprise Products	System/Location: **Carlsbad - Compressor Stations**	Procedure No. **CARLS-COMPSTA-351**		
		Revision No: **0**	Revision Date: **4/06/15**	Page: **1 of 3**

Procedure Title:

Emptying Station Sump Tank

Procedure Description: Provide clear instructions to safely remove liquid level from station sump tank.

Procedure Requirements: Personal Protective Equipment (PPE) must be worn including but not limited to the following: Company approved Fire Retardant Clothing (FRC) and the following ANSI / ASTM approved equipment; safety glasses, hard hat, safety shoes and hearing protection (high noise areas or activities). For additional PPE requirements, refer to the workplace Hazard Assessment (SF19).

Procedure Preparation: **BEFORE** performing this procedure, read and understand all steps.

SYSTEM BACKGROUND INFORMATION:

Warning: NATURAL GAS CONDENSATE is an OSHA/NFPA Class-1A Extremely Flammable liquid. Releases flammable vapors at well below ambient temperatures and readily forms flammable mixtures with air. Exposed to an ignition source, it will burn in the open or be explosive in confined spaces. Keep away from heat, sparks and open flame. May cause irritation to eyes, skin, and respiratory system. May be harmful if inhaled or absorbed through skin and harmful or fatal if swallowed. Avoid liquid, mist, and vapor contact. Refer to SDS for proper PPE and additional information..

COMPLETION STEPS:

1. REMOVE cap on Nozzle 13.

2. Visually INSPECT interstitial space for liquids.

   If liquids ARE OBSERVED then,

   Replace cap on Nozzle 13.

   Contact management immediately.

   If liquids ARE NOT OBSERVED then,

   Replace cap on Nozzle 13.

   Continue to next step.

Nozzle 13

3. OPEN access hatch and visually verify liquid level in sump tank.

4. SPOT truck near sump tank.

5. ATTACH ground cable to truck fame.

6. CONNECT truck hose to N14.
7. OPEN loading line valve.
8. START truck pump.
9. VERIFY liquid level via access hatch.
10. STOP truck pump when sump empty.
11. CLOSE loading line valve.
12. CLOSE truck hose valve
13. OPEN Loading Line Drain Valve to drain any residual liquids from the hose into the catch basin.
14. DISCONNET truck hose from N14.
15. REMOVE any liquids from catch basin and dispose of properly.

Loading Line Valve

Loading Line Drain Valve N 14

***** End of Procedure *****

Revision Log

Revision Approval Log			
Rev. No.	**Date**	**Action**	**By**
0	4/06/15	Initial Issue	T. Green

Appendix 6

Closure Plan

CLOSURE REQUIREMENTS

Site Rankings

Although Site Rankings are no longer required, Enterprise has chosen to include them in this report.

Criteria:

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	
	50 feet or more, but less than 100 feet	(10 points)	10
	100 feet or more	(0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)	
	No	(0 points)	0
Distance to surface water: (Horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	
	200 feet to 1,000 feet	(10 points)	
	Great than 1,000 feet	(0 points)	0
	Ranking Score (TOTAL POINTS):	10	

Enterprise shall not commence closure without first obtaining approval of the closure plan submitted with the permit application or registration pursuant to 19.15.17.13 NMAC.

Enterprise shall close the below-grade tank by first removing all contents and transferring the materials to a division approved facility.

Enterprise shall test the soils beneath the below-grade tank as follows:

A minimum of five point composite sample to include any obvious stained or wet soils, or other evidence of contamination shall be taken under the below-grade tank and that sample shall be analyzed for the constituents listed in Table I of 19.15.17.13 NMAC below.

Table I Closure Criteria for Soils Beneath Below-Grade Tanks where contents are Removed			
Depth below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤50 feet	Chloride	EPA 300.0	600 mg/kg
	TPH	EPA SW-846 Method 418.1***	100 mg/kg

	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
51 feet -100 feet	Chloride	EPA 300.0	10,000 mg/kg
	TPH	EPA SW-846 Method 418.1 ***	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8021B or 8260B***	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8015M	50 mg/kg
	Benzene	EPA 300.0	10 mg/kg
> 100 feet	Chloride	EPA 300.0	20,000 mg/kg
	TPH	EPA SW-846 Method 418.1 ***	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8021B or 8260B***	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8015M	50 mg/kg
	Benzene	EPA 300.0	10 mg/kg

*Or other test methods approved by the division
**Numerical limits or natural background level, whichever is greater
*** Or Method 8015 with GRO, DRO, & MRO

If any contaminant concentration is higher than the above parameters, the division may require additional delineation upon review of the results and Enterprise must receive approval before proceeding with closure.

If all contaminant concentrations are less than or equal to the parameters listed above, Enterprise can proceed to backfill the excavation with non-waste containing, uncontaminated, earthen material.

CLOSURE NOTICE

Enterprise shall notify the appropriate division district office verbally, and in writing, at least 72 hours, but not more than one week, prior to any closure operation. The notice shall include the Enterprise name and the location to be closed, including the unit letter, section, township, and range.

Enterprise shall notify the surface owner by certified mail (return receipt requested) that Enterprise plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement.

CLOSURE REPORT AND BURIAL IDENTIFICATION

Within 60 days of closure completion, Enterprise shall submit a closure report on form C-144, with necessary attachments to document all closure activities including sampling results, information required by 19.15.17 NMAC, and details on back-filling, capping and covering, where applicable. In the closure report, Enterprise shall certify that all information in the report and attachments is correct and that Enterprise has complied with all applicable closure requirements and conditions specified in the approved closure plan.

TIMING REQUIREMENTS FOR CLOSURE

Within 60 days of cessation of operations, Enterprise shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility.

Within six months of cessation of operations, Enterprise shall remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. If there is any equipment associated with a below-grade tank, Enterprise shall remove the equipment, unless the equipment is required for some other purpose.

SOIL COVER DESIGNS FOR BELOW-GRADE TANKS

The soil cover for closures after site contouring (where Enterprise has removed the below-grade tank and, if necessary, remediated the soil beneath the below-grade tank to chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0) shall consist of the background thickness of topsoil or one foot of suitable material, whichever is greater.

Enterprise shall construct the soil cover to the site's existing grave and prevent ponding of water and erosion of the cover material.

RECLAMATION AND RE-VEGETATION

RECLAMATION OF AREAS NO LONGER IN USE

All areas disturbed by the closure of the below-grade tanks, except areas reasonably needed for production operations or for subsequent drilling operations, shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable.

Topsoils and subsoils shall be replaced to their original relative positions and contoured to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area then shall be reseeded in the first favorable growing season following closure of a below-grade tank.

Reclamation of all disturbed areas no longer in use shall be considered complete when all ground surface disturbing activities at the site have been completed, and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

OTHER REGULATORY REQUIREMENTS

The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operations subject to those provisions, if the other requirements provide equal or better protection of fresh water, human health and the environment.

Enterprise shall notify the division when reclamation and re-vegetation are complete.

BUREAU OF LAND MANAGEMENT (BLM) REQUIREMENTS

The long-term objective of final reclamation is to establish the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. This means returning the land to a condition approximating or equal to that which existed prior to the disturbance. It also involves salvaging and reusing all available topsoil in a timely manner, revegetation disturbed areas to native species, controlling erosion, controlling invasive non-native plants and noxious weeds, and monitoring results. With proper reclamation measures, over time, local native species will become re-established on the site and the area will regain its original productive and scenic potential.

Reclamation generally can be judged successful when a self-sustaining, vigorous, diverse, native (or otherwise approved) plant community is established on the site, with a density sufficient to control erosion and non-native plant invasion and to re-establish wildlife habitat or forage production. Native perennial species or other plant materials specified by the surface management agency or private surface owner will be used. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods such as dozer track walking followed by broadcast seeding. Seeding or planting may need to be repeated until revegetation is successful, as determined by the surface management agency/ Erosion control is generally sufficient when adequate groundcover is reestablished, water naturally infiltrates into the soil, and gullying, headcutting, slumping, and deep or excessive rilling is not observed.

The site must be free of State or county listed noxious weeds, oil field debris, contaminated soil, and equipment.

Enterprise should inform the surface management agency that reclamation has been completed and that the site is ready for final inspection when these requirements have been met. Enterprise must file a Final Abandonment Notice (FAN) upon completion of reclamation operations, which indicates that the site meets reclamation objectives and is ready for inspection. Upon receipt of the Final Abandonment Notice, the surface management agency will inspect the site to ensure reclamation is fully successful. The BLM must approve the Final Abandonment Notice, even

when the surface is managed by another surface management agency. Final abandonment will not be approved by the BLM until the surface reclamation work has been completed and the required reclamation is acceptable to the surface management agency. Enterprise is responsible for monitoring reclamation progress and taking the necessary actions to ensure success.