

**GW -** 183

**PERMITS,  
RENEWALS,  
& MODS  
Application**



June 4, 2010

RECEIVED OCD  
2010 JUL -1 P 2:45



\*\*\*\*\*AUTO\*\*MIXED AADC 680

State Of New Mexico  
Natural Resources Dept  
Water Quality Mgmt Fund  
1220 S Saint Francis Dr  
Santa Fe, NM 87505-4225

8589  
T41 P1

Dear Valued Supplier,

This letter provides notice that the entities listed on the enclosed document have changed their names. Please revise your records to reflect the new names. All future notices or other communications sent pursuant to any contracts or agreements between State Of New Mexico and any of the listed entities should continue to be sent to the address you have on record.

All terms and conditions of any contracts or agreements between State Of New Mexico and any of the entities named on the attached list remain unchanged, and such contracts or agreements continue in full force and effect.

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Please do not hesitate to contact me with any questions at 713-381-1527 or [patnguyen@eprod.com](mailto:patnguyen@eprod.com).

Sincerely,

Patrick Nguyen  
Director, Accounts Receivable and Accounts Payable

Enclosure

Entity Name Changes	
Old Name	New Name
EPCO, Inc.	Enterprise Products Company
TE Products Pipeline Company, LLC	Enterprise TE Products Pipeline Company LLC
TEPPCO Colorado, LLC	Enterprise Colorado LLC
TEPPCO Crude GP, LLC	Enterprise Crude GP LLC
TEPPCO Crude Oil, LLC	Enterprise Crude Oil LLC
TEPPCO Crude Pipeline, LLC	Enterprise Crude Pipeline LLC
TEPPCO GP, LLC	Enterprise GP LLC
TEPPCO Investments, LLC	Enterprise TE Investments LLC
TEPPCO Midstream Companies, LLC	Enterprise Midstream Companies LLC
TEPPCO NGL Pipelines, LLC	Enterprise NGL Pipelines II LLC
TEPPCO Partners, L.P.	Enterprise TE Partners L.P.
TEPPCO Seaway, L.P.	Enterprise Seaway L.P.
TEPPCO Terminaling and Marketing Company LLC	Enterprise Refined Products Company LLC
TEPPCO Terminals Company, L.P.	Note: TEPPCO Terminals Company, L.P. merged into TEPPCO Terminaling and Marketing Company LLC which then changed its name to Enterprise Refined Products Company LLC
Texas Eastern Products Pipeline Company, LLC	Enterprise Products Pipeline Company LLC



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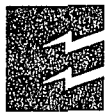
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Enterprise Products™

ENTERPRISE PRODUCTS PARTNERS LP  
ENTERPRISE PRODUCTS OPERATING LLC

ENTERPRISE PRODUCTS GP, LLC, GENERAL PARTNER  
ENTERPRISE PRODUCTS OLP GP, INC., SOLE MANAGER

April 5, 2010

8703 1030 1653  
Federal Express

New Mexico Oil Conservation Division  
Environmental Bureau  
Attn: Glenn VonGonten  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: Groundwater Discharge Plan Renewal Application  
Arch Rock Compressor Station – GW-183**

Dear Mr. VonGonten:

Enclosed for your review and handling is the renewal Discharge Plan Application with plan details. Also enclosed is a check, payable to NMED Water Quality Management Fund, in the amount of \$100 which covers the application fee for the permit.

Should you have questions or need additional information, please contact me at (713) 381-6684 or Ms. Runell Seale, Permitting Specialist, at (505) 599-2124.

Sincerely,

Matthew E. Marra  
Director, Environmental

/sjn  
attachments

CC: OCD-District 3, 1000 Rio Brazos Blvd., Aztec, NM 87410 w/attach.

RECEIVED OCD  
2010 APR -8 A 10:54

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Revised June 10, 2003

Submit Original  
Plus 1 Copy  
to Santa Fe  
1 Copy to Appropriate  
District Office

**DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES, GAS PLANTS,  
REFINERIES, COMPRESSOR, GEOTHERMAL FACILITIES  
AND CRUDE OIL PUMP STATIONS**

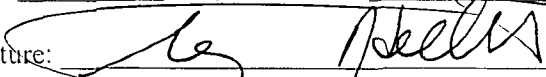
(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: Arch Rock Compressor Station
2. Operator: Val Verde Gas Gathering Company, LP  
Address: P. O. Box 4324 Houston, TX 77210-2524  
Contact Person: Matthew Marra, Director, Environmental Phone: 713-381-6684
3. Location: NW /4 SW /4 Section 14 Township 31N Range 10W  
Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Terry L. Hurlburt Title: Sr. Vice President, Operations

Signature:  Date: 7/6/10

E-mail Address: snolan@eprod.com

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check, No. \_\_\_\_\_ dated 4/5/10

or cash received on \_\_\_\_\_ in the amount of \$ 100<sup>00</sup>

from Enterprise Products

for GW-183

Submitted by: Lawrence Romero Date: 4/8/10

Submitted to ASD by: Lawrence Romero Date: 4/8/10

Received in ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Filing Fee ☒ New Facility \_\_\_\_\_ Renewal \_\_\_\_\_

Modification \_\_\_\_\_ Other \_\_\_\_\_

Organization Code 521.07 Applicable FY 2010

To be deposited in the Water Quality Management Fund.

Full Payment \_\_\_\_\_ or Annual Increment \_\_\_\_\_



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

March 31, 2006

Deodat Bhagwandin  
TEPPCO NGL Pipelines, LLC  
P.O. Box 2521  
2929 Allen Parkway  
Houston, Texas 77252-2521

Re: Discharge Permit GW-183 Renewal  
Arch Rock Compressor Station

Dear Mr. Bhagwandin:

Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby **approves the discharge permit** for the TEPPCO NGL Pipelines, LLC (owner/operator) Arch Rock Compressor Station GW-183 located in the NW/4 SW/4 of Section 14, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico, under the conditions specified in the enclosed **Attachment To The Discharge Permit**. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 30 working days of receipt of this letter including permit fees.**

Please be advised that approval of this permit does not relieve the owner/operator of responsibility should operations result in pollution of surface water, ground water or the environment. Nor does approval of the permit relieve the owner/operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Carl Chavez of my staff at (505-476-3491) or E-mail [carlj.chavez@state.nm.us](mailto:carlj.chavez@state.nm.us). On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Wayne Price  
Environmental Bureau Chief

LWP/cc  
Attachments-1  
xc: OCD District Office

## **Arch Rock Compressor Station**

NW/4 of SW/4 of Section 14, Township 31N, Range 10W  
San Juan County, New Mexico

### **GROUNDWATER DISCHARGE PLAN – GW-183**

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This document constitutes a renewal for the Groundwater Discharge Plan (GW-183) for the Arch Rock Compressor Station in San Juan County, New Mexico. This Groundwater Discharge Plan has been prepared in accordance with the NMOCD "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor, and Crude Oil Pump Stations" (rev. 12-95) and the New Mexico Water Quality Control Commission (WQCC) regulations, 20.6.2.3104 and 20.6.2.3106 NMAC.

#### **1. Type of Operation**

The Arch Rock Compressor Station (Arch Rock) is a natural gas compressor station which receives lean gas via an upstream gas gathering system. At this facility the gas is dehydrated and compressed to line pressure sufficient to enter downstream gas treating. The compression consists of two (2) skid mounted Superior 2408G compressors with 2408G internal combustion engines with a total capacity of 3200 HP. This facility does not discharge any liquids to the surface and does not intend to discharge directly or indirectly into groundwater.

#### **2. Operator/Legally Responsible Party**

##### Operator/Owner:

Val Verde Gas Gathering Company, L.P.  
P. O. Box 4324  
Houston, TX 77210

##### Legally Responsible Party:

Terry L. Hurlburt, Senior Vice President-Operations  
P. O. Box 4324  
Houston, TX 77210  
713-381-6595

##### Local Representative:

Don Fernald, Sr. Environmental Scientist  
614 Reilly Ave.  
Farmington, NM 87401  
505.599.2141

Runell Seale, Permitting Environmental Scientist  
614 Reilly Ave  
Farmington, NM 87401  
505.599.2124

### 3. Facility Location

NW/4 of SE/4 (UL L), S14, T31N, R10W, San Juan County, NM  
Latitude N 36° 53' 41.60" Longitude W -107° 51' 33.22"  
See Figure 1-Site Location Map (Topo Map)

### 4. Landowner

U. S. Department of the Interior-Bureau of Land management  
1235 La Plata Highway  
Farmington, NM 87401  
505.599.8900

### 5. Facility Description

The facility is constructed on a pad of approximately 2.9 acres in size. It provides natural gas dehydration and compression for the gathering system.

The facility will also have weekly pigging operations. Condensate and field liquids from the pigging operations are piped underground into the produced water/condensate storage tank.

See Figure 2, Arch Rock Station Discharge Plan diagram for details of the facility.

### 6. Materials Stored or Used at the Facility

Tank Contents	Solid or Liquid	Tank Capacity-Max Volume Stored	Location-Refer to Plot Plan
Produced Water & Field Liquids (T-101)	Liquid	500 barrels	See Figure 2
Used Oil (T-102)	Liquid	100 barrels	See Figure 2
Lube Oil Day Tank (T-103)	Liquid	50 gallons	See Figure 2
New Lube Oil (T-104)	Liquid	100 barrels	See Figure 2
Antifreeze-Water Mix Storage (T-105)	Liquid	100 barrels	See Figure 2
Produced Water-Open Top Tank (T-106)	Liquid	1000 gallons	See Figure 2
Corrosion Inhibitor (T-107)	Liquid	90 gallons	See Figure 2
Non-Exempt water & used oil –process sump (T-108 BGT)	Liquid	300 gallons	See Figure 2

<b>Tank Contents</b>	<b>Solid or Liquid</b>	<b>Tank Capacity-Max Volume Stored</b>	<b>Location-Refer to Plot Plan</b>
Microbiocide (T-109)	Liquid	130 gallons	See Figure 2
Glycol Day Tank (T-110)	Liquid	500 gallons	See Figure 2

## 7. Sources and Quantities of Effluent and Waste Solids Generated at the Facility

### 7A. Source & Quantity

<b>Process Fluid/Waste</b>	<b>Source</b>	<b>Quantity (Ranges)</b>	<b>Additives</b>
Absorbent Material and Rags	Compressor skids	1-2 lb/month	None
Antifreeze/Cooling Water	Compressor Engines	Intermittent	Glycol
Produced Water	Dehydration Unit	3 barrels/month	None
Produced Water and Field Liquids	30" Slug Catcher	400 barrels/month	Corrosion Inhibitors
Produced Water and Field Liquids	Inlet Filter Separator	25 barrels/month	None
Solid Waste (Trash)	General trash	< 1 yd/month	None
Used Glycol	Dehydration Unit	Intermittent	None
Used Glycol Filters	Dehydration Unit	3 filters/month	None
Used Oil	Compressor Engine skids	100 gallons/month	None
Used Oil	Discharge Filter Separator	60 gallons/month	None
Wash Water, Used Oil & Precipitation with Solids and Sludge	Compressor Engines	Intermittent	Glycol, Oil, Detergents, Water
Used Oil Filters	Compressor Engines	4 filters/month	None

### 7B. Quality Characteristics

<b>Process Fluid/Waste</b>	<b>NM WASTE STATUS</b>	<b>Analytical Process</b>	<b>Toxic Pollutants</b>
Absorbent material and rags	Non-exempt	Profiled, recycled	None
Antifreeze/Cooling Water from Compressor	Non-exempt	Not required-not removed from site as a waste	None



Engines			
Process Fluid/Waste	NM WASTE STATUS	Analytical Process	Toxic Pollutants
Produced water and field liquids from inlet filter separator	Exempt	Profiled, evaporated/injected	None
Produced Water and Field Liquids from Slug Catcher	Exempt	Profiled, evaporated/injected	None
Produced Water from Dehydration Unit	Exempt	Profiled, evaporated/injected	None
Solid Waste (Trash)	Exempt form NMED solid waste regulations due to small quantity generated	None required	None
Used Glycol Filters from dehydration unit	Exempt	Profiled, recycled	None
Used Glycol from dehydration unit	Exempt	Not required	None
Wash Water, Used Oil & Precipitation with solids and sludge	Non-exempt	Profiled, recycled	None
Used Oil-compressor engines	Non-exempt	Profiled, recycled	None
Used Oil Filters-compressor engines	Non-exempt	TCLP/metals required analysis/profiled annually	None
Used Oil-discharge filter separator	Non-exempt	Profiled, recycled	None

### 7C. Commingled Waste Streams

Produced water from the produced water tank and dehydration unit tank may be commingled prior to being hauled for disposal. In addition, wash water (fresh water) may be introduced into the BGT (T-108) during maintenance operations.

**8. Description of Current Liquid and Solid Waste Collection/Storage/Disposal Procedures**  
**Transfer, Storage, and Disposal of Process Fluids, Effluents, and Waste Solids**  
**ARCH ROCK COMPRESSOR STATION**

<b><u>PROCESS FLUID/WASTE</u></b>	<b><u>COLLECTION &amp; STORAGE SYSTEM</u></b>	<b><u>CONTAINER CAPACITY/ DESCRIPTION</u></b>	<b><u>NM Waste STATUS</u></b>	<b><u>DESCRIPTION OF FINAL DISPOSITION</u></b>
Absorbent materials and rags	Removed to Hart Canyon CS-Val Verde (GW-057) for holding until final disposition	Special waste bin, 3 yard steel	Non-Exempt	Recycled: Transported by Safety Kleen Systems, Inc. to facility located at Sec 10, T10N, R3E, NM. EPA ID #NMD 000 804 294, NM ID #2344 or Thermal Fluids, Inc to recycling facility located at 9010 Bates Road SW, Albuquerque, NM EPA #NMD 986674141.
Antifreeze/Cooling Water from engines	Pumped via underground piping between cooling system and storage tank (T-105)	100 barrel steel AGT within dirt and gravel secondary containment	Non-Exempt	No waste removed from location, all used in process.
Produced Water & field liquids from slug catcher	Collected via underground piping to T-101.	500 Barrel steel AGT within dirt and gravel secondary containment	Exempt	Evap/Injection: Transported by Industrial Mechanical Inc. to Basin Disposal Evap. Pond location: F 3-29-11 or to Agua Moss, LLC disposal well: J-34-30N-11W.
Produced water and field liquids from inlet filter separator	Collected via underground piping to T-101.	500 barrel steel AGT within dirt and gravel secondary containment	Exempt	Evap/Injection: Transported by Industrial Mechanical Inc. to Basin Disposal Evap. Pond location: F 3-29-11 or to Agua Moss, LLC disposal well: J-34-30N-11W.
Solid Waste(Trash)	Placed into waste dumpster onsite.	3 yard steel bin	Exempt	Buried: Transported by Waste Management, Inc. to San Juan County Regional Landfill, #78 CR 3140, Aztec, NM 87410.
Used Coalescer Filters	Placed on skid grate and allowed to air dry. Removed to Hart Canyon CS-Val Verde (GW-057) for holding until final disposition	Special waste bin, 3 yard steel.	Exempt	Recycled: Transported by Safety Kleen Systems, Inc. to facility located at Sec 10, T10N, R3E, NM. EPA ID #NMD 000 804 294, NM ID #2344 or Thermal Fluids, Inc to recycling facility located at 9010 Bates Road SW, Albuquerque, NM EPA #NMD 986674141.
Used Glycol Filters	Placed on the glycol skid grate which drains into the BGT (T-108). Removed to Hart Canyon CS-Val Verde (GW-057) for holding until final disposition	Special waste bin, 3 yard steel.	Exempt	Recycled: Transported by Safety Kleen Systems, Inc. to facility located at Sec 10, T10N, R3E, NM. EPA ID #NMD 000 804 294, NM ID #2344 or Thermal Fluids, Inc to recycling facility located at 9010 Bates Road SW, Albuquerque, NM EPA #NMD 986674141.

<b><u>PROCESS FLUID/WASTE</u></b>	<b><u>COLLECTION &amp; STORAGE SYSTEM</u></b>	<b><u>CONTAINER CAPACITY/ DESCRIPTION</u></b>	<b><u>NM Waste STATUS</u></b>	<b><u>DESCRIPTION OF FINAL DISPOSITION</u></b>
Used Oil	Pumped via drain line system into the used oil AGT (T-102)	100 barrel steel AGT within dirt and gravel secondary containment	Non-Exempt	Recycled: Transported by Cummins Burner Fuel ( EPA #NMD 986682102) to their facility at 119 Michigan Ave, Bloomfield, NM 87413 or Safety Kleen Systems, Inc to facility located at Sec 10, T10N, R3E, NM. EPA ID #NMD 0000804 294, NM ID #2344 or Mesa Environmental to facility at 20 Lucero Road, Belen, NM 87002, EPA ID #0000096024.
Used Oil Filters	Removed at time of oil change and taken to Hart Canyon CS-Val Verde (GW-057) for holding until final disposition.	Special waster bin, 3 yards, steel.	Non-Exempt	Recycled: Transported by Safety Kleen Systems, Inc. to facility located at Sec 10, T10N, R3E, NM. EPA ID #NMD 000 804 294, NM ID #2344.
Wash water, used oil & precipitation with solids & sludge	Collected via below ground drain lines into BG tank, T-108). Then transferred via underground drain line to used oil storage, T-102.	T-108 is a 300 gallon double wall steel tank with automatic leak detection monitoring. T-102 is a 100 barrel steel AGT.	Non-Exempt	Evap/Injection: Trucked to Kutz Hydrocarbon Recovery Facility (GW-49-1) for separation. Then trucked by Key Energy Services to the Key Four Corners Inc Disposal facility @ UL E, S2, T29N,R12W.

Bermed areas are designed and constructed to ensure that they are sufficient to contain one and one-third capacity of the largest tank. The product storage bermed area does not have an impermeable liner. The produced water bermed area does not have an impermeable liner. Concrete curbed containments are provided beneath the process areas in the facility.

A closed drain system from the compressor engine skids drains to the 300 gallon double walled below grade tank with automatic level sensing via SCADA system. Hydrostatic testing of the facility piping to the drain system is conducted every five (5) years to ensure the integrity of the passive drain line piping at this facility using appropriate methods to test integrity. This facility was last tested on August 2005 and is scheduled to be testing before August 2010.

## **9. Proposed Modifications**

There are plans to line inside the bermed area for the produced water/field liquids area and the product storage area.

## **10. Inspection, Maintenance and Reporting**

Routine inspections and maintenance are performed to ensure proper collection, storage, and off-site disposal at approved disposal and recycling facilities.

The BGT at this facility is a double lined steel vessel with leak detection. The AGT and BGT tanks will be inspected monthly. Leaks will be reported to the NMOCD in accordance with NMOCD Rule 116, NMAC 19.15.29 and WQCC regulations, NMAC 20.6.2.1203.

Precipitation and run-off do not come in contact with process waste streams. As a result, the facility has not installed any special storm water containment or collection systems. The facility pad is maintained to prevent surface accumulations.

## **11. Spill/Leak Prevention and Reporting Procedures**

Potential sources of spills or leaks at this facility include the following, tank overflow or failure; overflow or cracking of fiberglass tanks; overflow or cracking on concrete sumps, failure of process pipeline.

Prevention of accidental release from these sources is a high priority of operating personnel. Spill prevention will be achieved primarily through proper execution of operating procedures and secondly, by an active equipment inspection and maintenance program. Spill detection will be accomplished by daily visual inspection of facility equipment and continuous monitoring of process instrumentation. Tanks will be inspected monthly.

Spills occurring at this facility would be contained by the installed berms, or by berms erected on-site at the time of the incident. Heavy equipment to construct containment berms is readily available from private contractors in the area. Due to the lack of water bodies in the immediate area of the facility, containment equipment such as booms will not be stockpiled.

Operator will respond to and report spills as outlined in the SPCC plan of the Arch Rock Compressor Station and in accordance with the requirements of NMOCD Rule 116, NMAC 19.15.29.

## **12. Site Characteristics**

The information used for this section was submitted by Meridian Oil Inc. for the original Arch Rock Discharge Plan in November 1994 as follows:

Much of the information used for this section was obtained from New Mexico Bureau of Mines and Mineral Resources publications and a geotechnical report written for Meridian Oil Inc. by Western Technologies Inc. in July of 1991. The report was generated to document physical characteristics of soils in the area for Arch Rock for the purposes of construction. Documentation of the soils involved drilling four boreholes (ranging from 15' to 20' in depth), classifying and logging each soil type as it was encountered. The geotechnical survey is not included with this discharge plan.

#### A. Surface Water

There is one drainage ditch which runs along the north edge of the site. There are no known domestic water supplies or surface water bodies within one mile of Arch Rock Compressor Station.

#### B. Ground Water

Cathodic well data in the area indicates the depth to ground water to be approximately 51 feet. No ground water was encountered during construction activities or during test boring for the geotechnical survey.

Ground water flow direction is likely to be northeast, based on a review of topographic features at the site. This would be consistent with an existing drainage ditch which runs along the north edge of the site.

The aquifer most likely to be affected by a discharge in this area is the Nacimiento/Animas (Paleocene). This formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones. The thickness of the formation ranges up to 2,660 feet, in the center of the San Juan Basin (New Mexico Bureau of Mines and Mineral Resources, 1983).

Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1300 mg/l (New Mexico Bureau of Mines and Mineral Resources, 1983).

#### C. Subsurface Soils

The site is underlain predominately by clayey and silty sands. Lenses of low to medium plasticity silts and clays are also present. A low permeability sandstone layer was encountered in one test boring at 15 feet.

The soils in this area are mostly sandy, western plateau soils, inter-mixed with small quantities of clay/loam (New Mexico Bureau of Mines and Mineral resources 1983).

#### D. Flood Protection

Arch Rock lies approximately 400 feet above the Animas River to the south. One small drainage ditch lies to the north east of the location. This area is not typically subject to flooding therefore special flood protection measures are not needed.

### **13. Additional Information**

Any unauthorized release or discharge will be reported to the NMOCD in accordance with NMOCD Rule 116, NMAC 19.15.29.

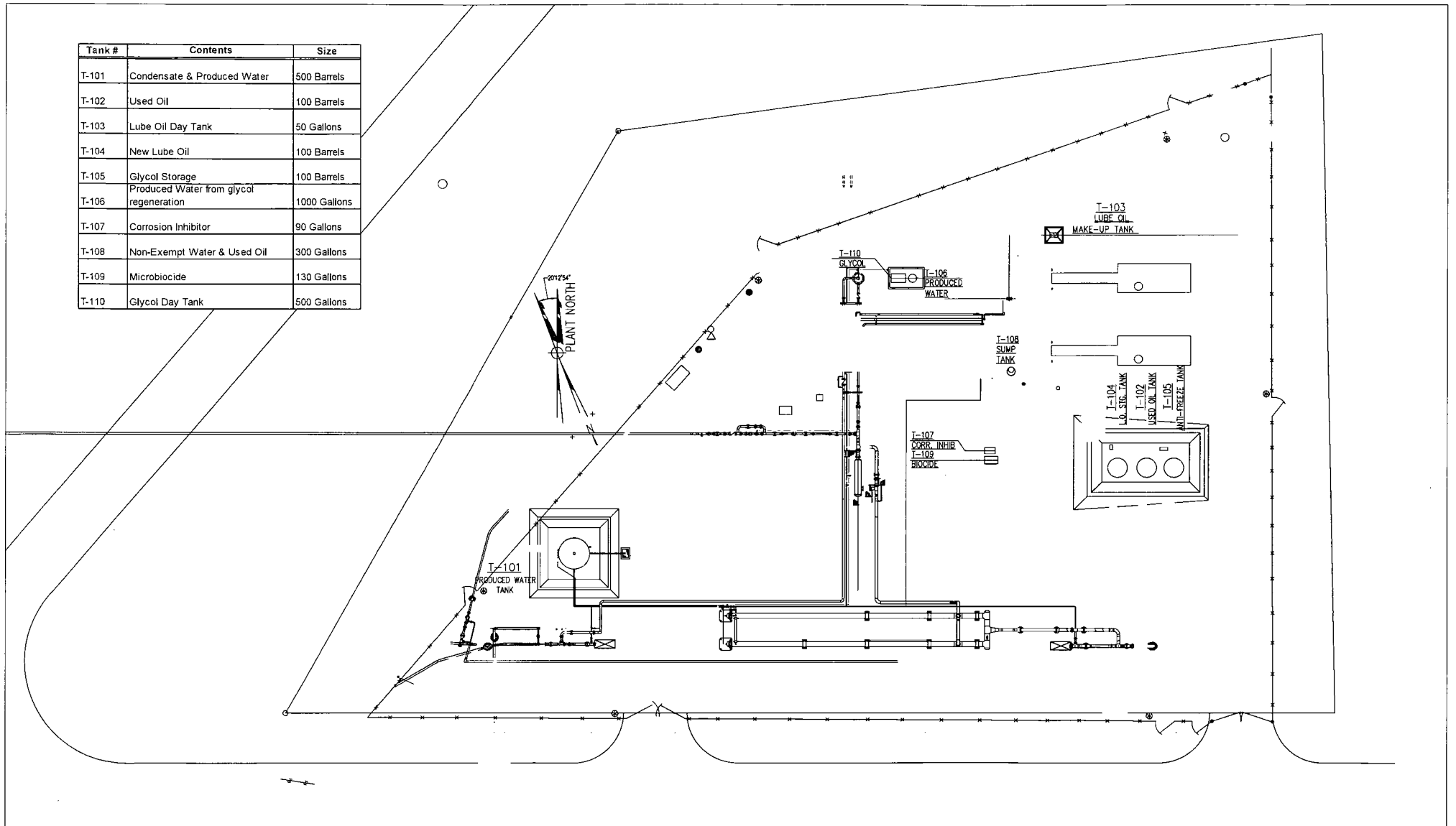
Closure of facility when abandoned will meet current NMOCD guidelines and will conform to WQCC regulations NMAC 20.6.2.3107. Reasonable and necessary measures will be taken to prevent the exceedance of NMAC 20.6.2.3103 water quality standards should Enterprise choose to permanently close the facility. Closure measure will include removal or closure in place of the underground piping and equipment. The tanks will be emptied before removal. Potentially toxic materials or effluents will be removed from the site and properly disposed. Potential sources of toxic pollutants will be inspected. Contaminated soil if discovered will be reported under NMOCD Rule 116 and WQCC regulations NMAC 20.6.2.1203 procedures and clean-up activities will commence. Post-closure maintenance and monitoring plans would not be necessary unless contamination is encountered.



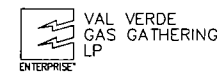




Tank #	Contents	Size
T-101	Condensate & Produced Water	500 Barrels
T-102	Used Oil	100 Barrels
T-103	Lube Oil Day Tank	50 Gallons
T-104	New Lube Oil	100 Barrels
T-105	Glycol Storage	100 Barrels
T-106	Produced Water from glycol regeneration	1000 Gallons
T-107	Corrosion Inhibitor	90 Gallons
T-108	Non-Exempt Water & Used Oil	300 Gallons
T-109	Microbiocide	130 Gallons
T-110	Glycol Day Tank	500 Gallons



REV.	DATE	REVISION	BY	CHK'D	ENGR.	REV.	DATE	REVISION	BY	CHK'D	ENGR.	NOTES



# ARCH ROCK STATION DISCHARGE PLAN

ARCH ROCK STATION SAN JUAN, NM  
DRAWN: RB DATE: 03/18/10

JA. NO.	FED. NAME
AR2PA001	
AFE NO.	SCALE
	1"=20'
BASE NO.	DWG. NO.
75520	AR2PA031



**ATTACHMENT TO THE DISCHARGE PERMIT  
TEPPCO NGL PIPELINES, LLC, ARCH ROCK COMPRESSOR STATION (GW-183)  
DISCHARGE PERMIT APPROVAL CONDITIONS  
March 31, 2006**

**Please remit a check for \$1700.00 made payable to Water Quality Management Fund:**

**Water Quality Management Fund  
C/o: Oil Conservation Division  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87505**

- 1. Payment of Discharge Plan Fees:** All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of \$100.00, plus a renewal flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division ("OCD") has received the required \$100.00 filing fee. However, the owner/operator still owes the required \$1700.00 renewal permit fee for a gas compressor station greater than 1001 horsepower.
- 2. Permit Expiration and Renewal:** Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on February 21, 2010** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved.
- 3. Permit Terms and Conditions:** Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.
- 4. Owner/Operator Commitments:** The owner/operator shall abide by all commitments submitted in its October 31, 2005 discharge permit renewal application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.
- 5. Modifications:** WQCC Regulation 20.6.2.3109.G NMAC addresses possible future modifications of a permit. Pursuant WQCC Regulation 20.6.2.3107.C NMAC, the owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. Pursuant to WQCC Regulation 20.6.2.3109.E NMAC, the Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7 NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for

Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

**6. Waste Disposal and Storage:** The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

**A. OCD Rule 712 Waste:** Pursuant to OCD Rule 712 (19.15.9.712 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

**B. Waste Storage:** The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

**7. Drum Storage:** The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

**8. Process, Maintenance and Yard Areas:** The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

**9. Above Ground Tanks:** The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

**10. Labeling:** The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

**11. Below-Grade Tanks/Sumps and Pits/Ponds.**

**A.** All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit

renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

## **12. Underground Process/Wastewater Lines:**

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

**13. Class V Wells:** The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic

wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only, must be permitted by the New Mexico Environment Department (NMED).

**14. Housekeeping:** The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

**15. Spill Reporting:** The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.5.12.1203 NMAC and OCD Rule 116 (19.15.3.116 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days.

**16. OCD Inspections:** The OCD may place additional requirements on the facility and modify the permit conditions based on OCD inspections.

**17. Storm Water:** The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

**18. Unauthorized Discharges:** The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. *An unauthorized discharge is a violation of this permit.*

**19. Vadose Zone and Water Pollution:** The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

**20. Additional Site Specific Conditions:** N/A

**21. Transfer of Discharge Permit:** The owner/operator shall notify the OCD prior to any transfer of ownership, control or possession of a facility with an approved discharge permit. The purchaser shall submit a written commitment to comply with the terms and conditions of the previously approved discharge permit and shall seek OCD approval prior to transfer.

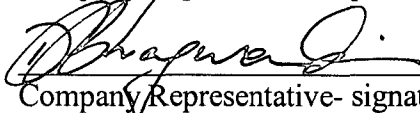
22. **Closure:** The owner/operator shall notify the OCD when operations of the facility are to be discontinued for a period in excess of six months. Prior to closure of the facility, the operator shall submit a closure plan for approval. Closure and waste disposal shall be in accordance with the statutes, rules and regulations in effect at the time of closure.

23. **Certification:** **Certification:** **TEPPCO NGL Pipelines, LLC**, by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained herein. **TEPPCO NGL Pipelines, LLC** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively.

Conditions accepted by: **TEPPCO NGL Pipelines, LLC**

Deodat Bhagwandin

Company Representative- print name



Company Representative- signature

Date 4/28/2006

Title: Manager, Environmental Protection

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND, MICROPRINTING AND A VOID FEATURE PANTOGRAPH.



TEPPCO GP, Inc.  
P.O. Box 2521  
Houston, TX 77252-2521  
(713) 759-3800

Wells Fargo Bank Ohio, N.A.

115 Hospital Drive  
Van Wert, OH 45891

April 28, 2006

56-382  
412

9800112304

PAY TO THE  
ORDER OF

NMED Water Quality Management Fund

\$19,300.00

Nineteen thousand three hundred XX/100

DOLLARS

VOID AFTER 90 DAYS



B. Senda & P. Senda

MP

## TEPPCO PERMIT PAYMENT

April 28, 2006

File No	ID	Address	Permit Fee
GW-056	Gobernador Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-057	Pump Canyon Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-059	Manzanares Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-058	Hart Canyon Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-183	Arch Rock Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-194	Frances Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-193	Sandstone Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-146	Sims Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-148	Pump Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$1,700.00
GW-051	Val Verde Gas Plant	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	\$ 4,000.00
<b>Total</b>			<b>\$19,300.00</b>



*Environmental, Health, Safety  
and Regulatory Compliance*

2929 Allen Parkway, 70019  
P.O. Box 2521  
Houston, Texas 77252-2521  
Office 713/759-3636  
Fax 713/759-3931

October 19, 2005

RECEIVED  
OCT 24 2005  
OIL CONSERVATION  
DIVISION

CERTIFIED MAIL NO.  
7004 2510 0003 2575 1626  
RETURN RECEIPT REQUESTED

Mr. Wayne Price  
New Mexico Energy, Minerals & Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC  
TEPPCO Arch Rock Compressor Station  
San Juan County, New Mexico  
Groundwater Discharge Plan (GW-183) Renewal Application

Dear Mr. Price:

TEPPCO NGL Pipelines, LLC ("TEPPCO") is submitting the enclosed Discharge Plan Application (Attachment 1) for its TEPPCO Arch Rock Compressor Station in San Juan County, New Mexico. Enclosed with the discharge plan renewal is TEPPCO Check No. **0200428489** (Attachment 4) in the amount of **\$100.00** for the application filing fee. The permit fee in the amount of \$1,700 will be paid once the application is approved.

As mentioned in previous permit renewal applications submitted by the former operator, Duke Energy Field Services ("DEFS"), TEPPCO does not believe that a discharge plan is required for this facility under the Water Quality Control Commission ("WQCC") regulations because there are no discharges from the TEPPCO Arch Rock Compressor Station.

Notwithstanding the submittal of the enclosed permit fees and documents, TEPPCO does not waive its right to question or dispute the need and/or requirement for this permit at the referenced facility or other Val Verde facilities.

If you have any questions or require additional information, please contact Peter Cain at (713) 284-5213 or myself at (713) 759-3654.

Sincerely,

  
L. Kristine Aparicio  
Manager, Environmental Protection



TE Products Pipeline Company, Limited Partnership  
Texas Eastern Products Pipeline Company, LLC, General Partner



**TEPPCO NGL Pipelines, LLC  
TEPPCO Arch Rock Compressor Station  
Groundwater Discharge Plan Renewal Application**

**Attachment 1  
Discharge Plan Application**

**October 19, 2005**

**Arch Rock Compressor Station  
NW/4, SW/4 of Section 14, Township 31N, Range 10W  
San Juan County, New Mexico**

**GROUNDWATER DISCHARGE PLAN**

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This document constitutes a renewal application for the Groundwater Discharge Plan for the Arch Rock Compressor Station in San Juan County, New Mexico. This Groundwater Discharge Plan has been prepared in accordance with the NMOCD "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations" (rev. 12-95) and the New Mexico Water Quality Control Commission ("WQCC") regulations, 20.6.2.3-104 and 3-106 NMAC.

**1 Type of Operation**

The facility does not intend or have a discharge or discharges that may move directly or indirectly into groundwater.

**2 Operator / Legally Responsible Party**

**Operator**

TEPPCO NGL Pipelines, LLC  
PO Box 2521  
Houston, Texas 77252-2521  
(713) 759-3636  
Contact Person: L. Kristine Aparicio

**Owner**

Val Verde Gas Gathering Company, LP  
PO Box 2521  
Houston, Texas 77252-2521

**3 Facility Location**

NW/4, SW/4 of Section 14, Township 31N, Range 10W

**4 Landowner**

U.S. Department of the Interior  
Bureau of Land Management  
1235 La Plata Highway  
Farmington, NM 87499  
(505) 599-8900

## **5 Facility Description**

The facility provides natural gas compression for the gathering system.

## **6 Materials Stored or Used**

There are no materials stored on-site or used that are discharged on site so that they may move directly or indirectly into groundwater.

## **7 Sources and Quantities of Effluent and Waste Solids**

There are no effluents or waste solids that are discharged on-site or off-site at the TEPPCO Arch Rock Compressor Station. All effluent and waste solids generated at the facility are removed from the facility for off-site disposal in accordance with applicable NMOCD, New Mexico Environmental Department ("NMED"), and EPA regulations as stated in previous groundwater discharge plans.

### **Separators/Scrubbers**

Effluents or waste solids generated from separators or scrubbers are not discharged on site so that they may move directly or indirectly into groundwater.

### **Boilers and Cooling Towers/Fans**

There are no boilers or cooling towers/fans at the facility.

### **Process and Storage Equipment Wash Down**

Effluent or waste solids generated from process and storage equipment wash down are not discharged on site so that they may move directly or indirectly into groundwater.

### **Solvents/Degreasers**

Solvent or degreasers are not discharged on site so that they may move directly or indirectly into groundwater.

### **Spent Acids/Caustics**

If generated, spent acids or caustics are not discharged on site so that they may move directly or indirectly into groundwater.

### **Used Engine Coolants**

Engine coolants are not discharged on site so that they move directly or indirectly into groundwater.

### **Waste Lubrication and Motor Oils**

Lubricating and motor oils are not discharged on site so that they may move directly or indirectly into groundwater.

### **Used Oil Filters**

Used oil filters are not discharged on site so that they may move directly or indirectly into groundwater.

**Solids and Sludges**

Solids and sludges are not discharged on site so that they may move directly or indirectly into groundwater

**Painting Wastes**

Painting wastes are not discharged on site so that they may move directly or indirectly into groundwater

**Sewage**

There are no restroom facilities at the facility. A portable toilet is kept on site.

**Lab Wastes**

Lab wastes are not generated at the facility.

**Other Liquids and Solid Wastes**

Other liquids and solid wastes are not discharged on site so that they may move directly or indirectly into groundwater.

**8 Liquid and Solid Waste Collection / Storage / Disposal****Collection / Storage**

All liquid and solid wastes are collected and stored in closed containers for off-site disposal.

**On-site Disposal**

There are no on-site disposal activities at the facility

**Off-site Disposal**

All liquid and solid wastes are disposed off site.

**9 Proposed Modifications**

No modifications are proposed at this time.

**10 Inspection, Maintenance, and Reporting**

Routine inspections and maintenance are performed to ensure proper collection, storage, and off-site disposal of all wastes generated at the facility.

**11 Spill / Leak Prevention and Reporting (Contingency Plans)**

TEPPCO will respond to and report spills as outlined in the TEPPCO SPCC plan for TEPPCO Arch Rock Compressor Station and in accordance with the requirements of NMOCD Rule 116 (19.15.C.116) and WQCC regulation (20.6.2.1203 NMAC)

## **12 Site characteristics**

Geological/hydrological information for this facility has not changed since the previous renewal application.

### **Hydrologic Features**

There is one drainage ditch that runs along the north edge of the site. There are no known domestic water supplies or surface water bodies within one mile of Arch Rock.

Cathodic well data in the area indicates the depth to groundwater to be approximately 51 feet.

Based on a review of the topographic map for the area, groundwater flow direction is likely to be to the northeast. This would be consistent with an existing drainage ditch which runs along the north edge of the site.

### **Geologic Description**

The aquifer most likely to be affected by a discharge in this area is the Nacimiento/Animas (Paleocene). This formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones. The thickness of the formation ranges up to 2,660 feet, in the center of the San Juan Basin. Total Dissolved Solids (TDS) of water from this formation is estimated to have an average greater than 1300 mg/l.

The site is underlain predominately by clayey and silty sands. Lenses of low to medium plasticity silts and clays are also present. A low permeability sandstone was encountered in one test boring at 15 feet.

TEPPCO Arch Rock Compressor Station lies more than 400 feet above the Animas River to the south. One drainage ditch lies to the north and east of the site. This area is not typically subject to flooding, therefore special flood protection measures are not needed.

## **13 Additional Information**

Any unauthorized releases or discharge will be reported to the NMOCD in accordance with NMOCD Rule 116, 19.15.C.116 NMAC, and WQCC regulation, 20.6.2.1203.

**TEPPCO NGL Pipelines, LLC  
TEPPCO Arch Rock Compressor Station  
Groundwater Discharge Plan Renewal Application**

**Attachment 2  
Site Location Map  
USGS Topographic Map  
Mount Nebo Quad**

**October 19, 2005**



### 6.3 Site Location



**TEPPCO NGL Pipelines, LLC  
TEPPCO Arch Rock Compressor Station  
Groundwater Discharge Plan Renewal Application**

**Attachment 3  
Facility Plot Plan**

**October 19, 2005**





**TEPPCO NGL Pipelines, LLC  
TEPPCO Arch Rock Compressor Station  
Groundwater Discharge Plan Renewal Application**

**Attachment 4  
TEPPCO Check No 0200428489**

**October 19, 2005**



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

September 30, 2005

**CERTIFIED MAIL**

**RETURN RECEIPT NO. 7001 1940 0004 7923 4788**

Karin Kimura  
Duke Energy Field Service  
370 17<sup>th</sup> Street  
Denver, Colorado 80202

Subject Matter: Compliance Orders

Dear Ms. Kimura:

Please find enclosed Compliance Orders for the following facilities:

NM-OCD 2006-002	Val Verde Plant	GW-051
NM-OCD 2006-003	Arch Rock Compressor St.	GW-183
NM-OCD 2006-004	Sandstone Compressor St.	GW-193
NM-OCD 2006-005	Hobbs Gas Processing Plant	GW-175
NM-OCD 2006-006	Apex Compressor St.	GW-163

Sincerely,

Mark E. Fesmire, P.E.

Director-Oil Conservation Division



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

September 16, 2005

**CERTIFIED MAIL**

**RETURN RECEIPT NO. 7001 1940 0004 7923 4764**

Karin Kimura  
Duke Energy Field Service  
P.O. Box 5493  
Denver, Colorado 80202

Subject Matter: Compliance Orders

Dear Ms. Kimura:

Please find enclosed Compliance Orders for the following facilities:

NM-OCD 2006-002	Val Verde Plant	GW-051
NM-OCD 2006-003	Arch Rock Compressor St.	GW-183
NM-OCD 2006-004	Sandstone Compressor St.	GW-193
NM-OCD 2006-005	Hobbs Gas Processing Plant	GW-175
NM-OCD 2006-006	Apex Compressor St.	GW-163

Sincerely,

J. Daniel Sanchez  
Enforcement and Compliance Manager  
Oil Conservation Division



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

September 15, 2005

This is a directive to notify that I, Mark Fesmire, will be out of the office from September 16 through 23, 2005.

During my absence, Daniel Sanchez is hereby given authority to sign all OCD documents requiring my signature.

Mark E. Fesmire, PE  
Director

ATTACHMENT TO THE DISCHARGE PLAN RENEWAL GW-183  
BURLINGTON RESOURCES  
ARCH ROCK COMPRESSOR STATION  
DISCHARGE PLAN APPROVAL CONDITIONS  
(March 28, 2000)

1. Payment of Discharge Plan Fees: The \$50.00 filing fee has been received by the OCD. There is a required flat fee equal to one-half of the original flat fee for natural gas compressor stations with horsepower rating above 3000 horsepower. The renewal flat fee required for this facility is \$690.00 which may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan, with the first payment due upon receipt of this approval. The filing fee is payable at the time of application and is due upon receipt of this approval.
2. Commitments: Burlington Resources will abide by all commitments submitted in the discharge plan renewal application letter dated January 14, 2000 and these conditions for approval.
3. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261.
4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.
5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.
7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at

- atmospheric temperature and pressure.
8. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.
  9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity no later than May 30, 2000 and every year from tested date thereafter. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing. The test results will be submitted to OCD by June 30, 2000.
  10. \* Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity no later than May 30, 2000 and every five (5) years thereafter. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing. The test results will be submitted to OCD by June 30, 2000.
  11. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.
  12. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.
  13. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.
  14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge

\* Process lines do not include, gas supply lines.


Mr. Ed Hasley  
GW-183 Arch Rock Compressor Station  
February 28, 2000  
Page - 5 -

plan must be submitted by the purchaser and approved by the OCD prior to transfer.

15. Storm Water Plan: The facility will have an approved storm water run-off plan.
16. Closure: The OCD will be notified when operations of the Arch Rock Compressor Station are discontinued for a period in excess of six months. Prior to closure of the Arch Rock Compressor Station, the Director will submit a closure plan for approval. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
17. Conditions accepted by: **Burlington Resources**, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. **Burlington Resources** further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

**Burlington Resources** Gathering Inc.

Print Name: John F. Zent

Signature: 

Title: Attorney in fact

Date: June 29, 2000





State of New Mexico  
**ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT**  
Santa Fe, New Mexico 87505



February 21, 1995

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-765-962-821**

Mr. Craig Bock  
Meridian Oil, Inc.  
P.O. Box 4289  
Farmington, New Mexico 87499-4289

**RE: Discharge Plan GW-183**  
**Arch Rock Compressor Station**  
**San Juan County, New Mexico**

Dear Mr. Bock:

The discharge plan GW-183 for the Meridian Oil, Inc. Arch Rock Compressor Station located in the SW/4 of Section 14, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated November 28, 1994.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3-109.A. Please note Sections 3-109.E and 3-109.F. which provide for possible future amendments or modifications of the plan. Please be advised the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface water, ground water, or the environment which may be actionable under other laws and/or regulations.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

**VILLAGRA BUILDING - 408 Gallisteo**

Forestry and Resources Conservation Division  
P.O. Box 1948 87504-1948  
827-5830

Park and Recreation Division  
P.O. Box 1147 87504-1147  
827-7465

**2040 South Pacheco**

Office of the Secretary  
827-5950

Administrative Services  
827-5925

Energy Conservation & Management  
827-5900

Mining and Minerals  
827-5970

Oil Conservation  
827-7131

Mr. Craig Bock  
February 21, 1995  
Page 2

Please note that Section 3-104 of the regulations require "When a facility has been approved, discharges must be consistent with the terms and conditions of the plan". Pursuant to Section 3-107.C. you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

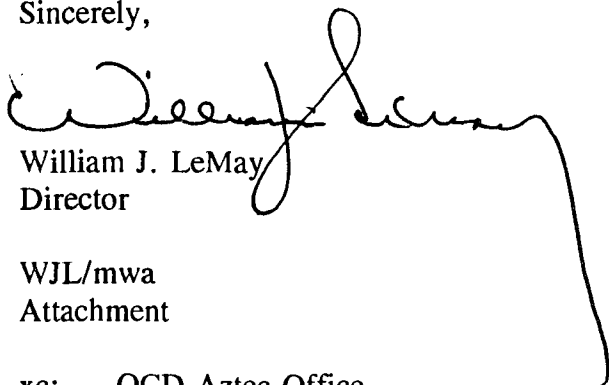
Pursuant to Section 3-109.G.4., this plan is for a period of five (5) years. This approval will expire on February 21, 2000, and you should submit an application in ample time before this date. It should be noted that all compressor stations will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan application for the Meridian Oil, Inc. Arch Rock Compressor Station is subject to WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus thirteen-hundred and eighty dollars (\$1380.00) for compressor stations with a combined horsepower of greater than 3000. The New Mexico Oil Conservation Division (OCD) received your fifty (50) dollar filing fee on November 17, 1994 but has not received your flat fee. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



William J. LeMay  
Director

WJL/mwa  
Attachment

xc: OCD Aztec Office

ATTACHMENT TO THE DISCHARGE PLAN GW-183 APPROVAL  
MERIDIAN OIL, INC.  
ARCH ROCK COMPRESSOR STATION  
DISCHARGE PLAN REQUIREMENTS  
(February 21, 1995)

1. Payment of Discharge Plan Fees: The flat fee of thirteen-hundred and eighty dollars (\$1380.00) may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.
2. Drum Storage: All drums will be stored on pad and curb type containment.
3. Sump Inspection: All pre-existing single-lined sumps at this facility will be cleaned and visually inspected on an annual basis. The inspection will coincide with the annual scheduled plant shutdown.

Any new or rebuilt sumps or below-grade tanks will incorporate leak detection in their designs and will be approved by the OCD prior to installation.

3. Berms: All tanks that contain materials other than freshwater will be bermed to contain one and one-third (1-1/3) the capacity of the largest tank within the berm or one and one-third (1-1/3) the total capacity of all interconnected tanks.
4. Above Grade Tanks: All above ground tanks (saddle tanks) will be on impermeable pad and curb type containment.
5. Pressure Testing: All discharge plan facilities are required to pressure test all underground piping at the time of discharge plan renewal. All new underground piping shall be designed and installed to allow for isolation and pressure testing at 3 psi above normal operating pressure.
6. Spills: All spills and/or leaks will be reported to the OCD Santa Fe and Hobbs District Offices pursuant to WQCC Rule 1-203 and OCD Rule 116.
7. Pads: All compressor pads will have lips or curb type containment installed to prevent contaminants from running onto the ground surface.

All containment areas must remain free of any sediments and/or fluids. Routine inspections will be made of all such areas and any sediments and/or fluids found will be removed and disposed of at an approved facility.

8. Quality Characteristics: Pursuant to VI.C. of the OCD guidelines please provide analyses for Total Dissolved Solids (TDS), Major Cations/Anions, pH, BTEX, and WQCC Section 3-103 standards for the commingled waste streams by May 21, 1995 to the OCD Santa Fe Office.

Z 765 962 821



**Receipt for  
Certified Mail**

**No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)**

PS Form 3800, March 1993

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	