GW - 263

GENERAL CORRESPONDENCE

YEAR(S):

2006 - 1996

THE SANTA FE
NEW MEXICAN
Founded 1849

NM EMNRD OIL CONSERVATION
ATTN: Ed Martin
1220 S ST FRANCIS DR
SANTA FE NM 87505

2006 MAR 29 PM 12 03

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00161261 ACCOUNT: 00002212
LEGAL NO: 78629 P.O. #: 06-199-050125

514 LINES 1 TIME(S)	287.84
AFFIDAVIT:	6.00
TAX:	22.41
TOTAL:	316.25

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, R. Lara, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 78629 a copy of which is hereto attached was published in said newspaper 1 day(s) between 03/24/2006 and 03/24/2006 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 24th day of March, 2006 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ R. Lara
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 24th day of March, 2006

Notary Janet L. Montoya

Commission Expires: 12/30/07

OK To Pay
Ed Martin
3-29-06

OFFICIAL SEAL
Janet L. Montoya
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 12/30/07

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-360) – Mr. Murray Erickson, Guardian Wellhead Protection, Inc., P.O. Box 13188, Odessa, Texas 79768 has submitted an application for their Hobbs Service Facility located in the NW/4 SW/4 of Section 36, Township 18 South, Range 37 East, Lea County, New Mexico. All effluents that may be generated at the facility will be collected in an netted open top tank and transported off-site for disposal at an OCD approved facility. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 70 feet with a total dissolved solids concentration of greater than 1200 mg/L. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-220) – Mr. Aaron Maurer, Bearcat Drilling, 5424 US Highway 64, Farmington, New Mexico 87499 has submitted a renewal application for their Farmington Service Yard located in the NW/4 NW/4 of Section 19, Township 29 North, Range 12 West, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top receptacle and transported off-site for disposal at an OCD approved facility. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 10 feet with a total dissolved solids concentration of approximately 200 mg/L. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-065) – Public Service Company of New Mexico, D. J. Engert, Compressor Plant Manager, Alvarado Square, Albuquerque, New Mexico 87102-1007, has submitted a discharge plan renewal application for their Redonda Compressor Station located in the SE/4 NW/4, Section 25, Township 8 North, Range 3 West, NMPM, Valencia County, New Mexico. Approximately 245 gallons per month of washdown water and used oil is collected in an above ground steel tank sited within a bermed area and stored prior to transport to an OCD approved off-site recycle facility. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. Groundwater most likely to be affected by an accidental discharge is at a depth ranging from 80 feet with a total dissolved solids concentration of 1050 mg/l.

(GW-066) – Public Service Company of New Mexico, D. J. Engert, Compressor Plant Manager, Alvarado Square, Albuquerque, New Mexico 87102-1007, has submitted a discharge plan renewal application for their Espejo Compressor Station located in Unit 9, Rio Rancho Estates, Township 12 North, Range 2 East, NMPM, Sandoval County, New Mexico. Approximately 83 gallons per month of washdown water and used oil is collected in an above ground steel tank sited within a bermed area and stored prior to transport to an OCD approved off-site recycle facility. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. Groundwater most likely to be affected by an accidental discharge is at a depth ranging from 719 feet with a total dissolved solids concentration of 364 mg/l.

(GW-263) – Public Service Company of New Mexico, Wilford B. Nez, Senior Engineering Tech, Alvarado Square MS 2104, Albuquerque, New Mexico 87158, has submitted a discharge plan renewal application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be collected and stored in a covered above ground tank prior to transport to an OCD approved off-site disposal facility. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. Groundwater most likely to be affected by an accidental discharge is at a depth of 58 feet with a total dissolved solids concentrations of approximately 1,750 mg/l.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of March 2006.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

S E A L

MARK FESMIRE,
P.E., Director

Legal #78629
Pub. Mar. 24, 2006

AFFIDAVIT OF PUBLICATION

Ad No. 53193

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the ADVERTISING MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Friday, March 24, 2006.

And the cost of the publication is $113.46.

Connie Pruitt

ON 3/24/06 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-220) – Mr. Aaron Maurer, Bearcat Drilling, 5424 US Highway 64, Farmington, New Mexico 87499 has submitted a renewal application for their Farmington Service Yard located in the NW/4 NW/4 of Section 19, Township 29 North, Range 12 West, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top receptacle and transported off-site for disposal at an OCD approved facility. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 10 feet with a total dissolved solids concentration of approximately 200 mg/L. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-263) – Public Service Company of New Mexico, Wilford B. Nez, Senior Engineering Tech, Alvarado Square MS 2104, Albuquerque, New Mexico 87158, has submitted a discharge plan renewal application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be collected and stored in a covered above ground tank prior to transport to an OCD approved off-site disposal facility. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. Groundwater most likely to be affected by an accidental discharge is at a depth of 58 feet with a total dissolved solids concentrations of approximately 1,750 mg/l.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of March 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

MARK FESMIRE, P.E., Director

Legal No. 53193 published in The Daily Times, Farmington, New Mexico on Friday, March 24, 2006.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 3, 2006

Ms. Robin K. DeLapp
Public Service Company of New Mexico
Alvarado Square
Albuquerque, New Mexico 87158

RE: Discharge Plan Renewal Approval GW-263
Public Service Company of New Mexico
Star Lake Compressor Station
McKinley County, New Mexico

Dear Ms. DeLapp:

The ground water discharge renewal plan GW-263 for the Public Service Company of New Mexico Star Lake Compressor Station located in the NW/4 of Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. 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 days of receipt of this letter.**

The original discharge plan application was submitted on July 31, 1996 pursuant to Section 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations. The discharge plan renewal application was submitted February 16, 2006 pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3109.A. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve Public Service Company of New Mexico of liability should operations result in pollution of surface water, ground water, or the environment.

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 non-hazardous to wildlife including migratory birds.

Please note that Section 3104 of the regulations provides: "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., Public Service Company of New Mexico is 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 3109.H.4., this discharge plan is for a period of five years. This plan will expire on April 3, **2011**, and Public Service Company of New Mexico should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan.

The discharge plan application for the Public Service Company of New Mexico Star Lake Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan application will be assessed a non-refundable fee equal to the filing fee of $100. There is a flat fee assessed for natural gas compressor stations with horsepower rating greater than 1001 horsepower equal to $1,700.00. The OCD has received the filing fee.

Please make all checks payable to:

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

If you have any questions please contact Mr. Ben Stone at (505) 476-3474. 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,

Wayne Price
Chief, Environmental Bureau
Oil Conservation Division
LWP/BES

Attachment

xc: OCD Aztec District Office

ATTACHMENT TO THE DISCHARGE RENEWAL PLAN GW-263
PUBLIC SERVICE COMPANY OF NEW MEXICO
STAR LAKE COMPRESSOR STATION
DISCHARGE PLAN APPROVAL CONDITIONS
(April 3, 2006)

1. Payment of Discharge Plan Fees: The $100.00 filing fee has been received by the OCD. There is a flat fee assessed for natural gas compressor stations with horsepower rating greater than 1001 horsepower equal to $1,700.00. The required flat fee 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. Public Service Company of New Mexico Commitments: Public Service Company of New Mexico will abide by all commitments submitted in the discharge plan renewal application dated February 16, 2006 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. Any waste stream that is not listed in the discharge plan will be approved by OCD on a case-by-case basis.

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 on an annual basis. Integrity tests include 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.

10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity every 5 years. The permittee 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.

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 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.

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 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 Star Lake Compressor Station are discontinued for a period in excess of six months. Prior to closure of the Star Lake Compressor Station a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

17. Certification: Public Service Company of New Mexico, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Public Service Company of New Mexico further acknowledges that the 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.

Accepted:

PUBLIC SERVICE COMPANY OF NEW MEXICO

By _____
Title

AFFIDAVIT OF PUBLICATION

Ad No. 53193

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the ADVERTISING MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Friday, March 24, 2006.

And the cost of the publication is $113.46.

Connie Pruitt

ON 3/24/06 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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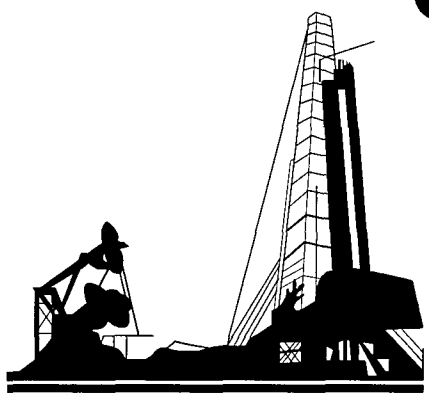
GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 20th day of March 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

MARK FESMIRE, P.E., Director

Legal No. 53193 published in The Daily Times, Farmington, New Mexico on Friday, March 24, 2006.



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
(505) 476-3440
(505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: Will Alex

FROM: Jack Ford

DATE: 2-4-03

PAGES: 6

SUBJECT: DP for GW-263 - Star Lake C.S.

Will — Boy is this going to cost you! ☺

Jack

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.

PNM
Alvarado Square
Albuquerque, NM 87158-2104
505 241-2031
Fax 505 241-2376
www.pnm.com

2006 FEB 17 PM 1 07

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

A personal commitment to New Mexico

February 16, 2006

Mr. Jack Ford
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUBJECT: Discharge Plan GW-263
Renewal Application for Star Lake Compressor Station

Dear Mr. Ford:

Enclosed please find one (1) original and one (1) copy of the renewal application for Public Service Company of New Mexico's (PNM) Star Lake Compressor Station located in Section 34, T 20 N, R 6 W, McKinley County. One (1) copy will also be mailed to Oil Conservation Division's District III office in Aztec.

In this application, an item was revised only if changes have occurred since the 2001 application. For information on unchanged items, please refer to previous applications (8/20/01 and 7/31/96).

A $100.00 filing fee for this renewal application is attached (number 201469).

Call me at (505) 241-2016 if you have questions about this submittal.

Sincerely,

Robin K. DeLapp

Robin K. DeLapp
Senior Environmental Scientist

Cc: OCD Aztec District III Office, 1000 Rio Brazos Road, Aztec, NM 87410
Kevin Lawrence, Gas Compression Operations Supervisor II
ESD/DCC

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 FACILITES AND CRUDE OIL PUMP STATIONS

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

☐ New ☒ Renewal ☐ Modification

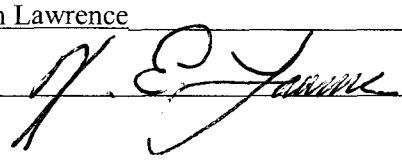
1. Type: Star Lake Compressor Station
2. Operator: Public Service Company of New Mexico

   Address: 603 W. Elm Street, Farmington, New Mexico 87499

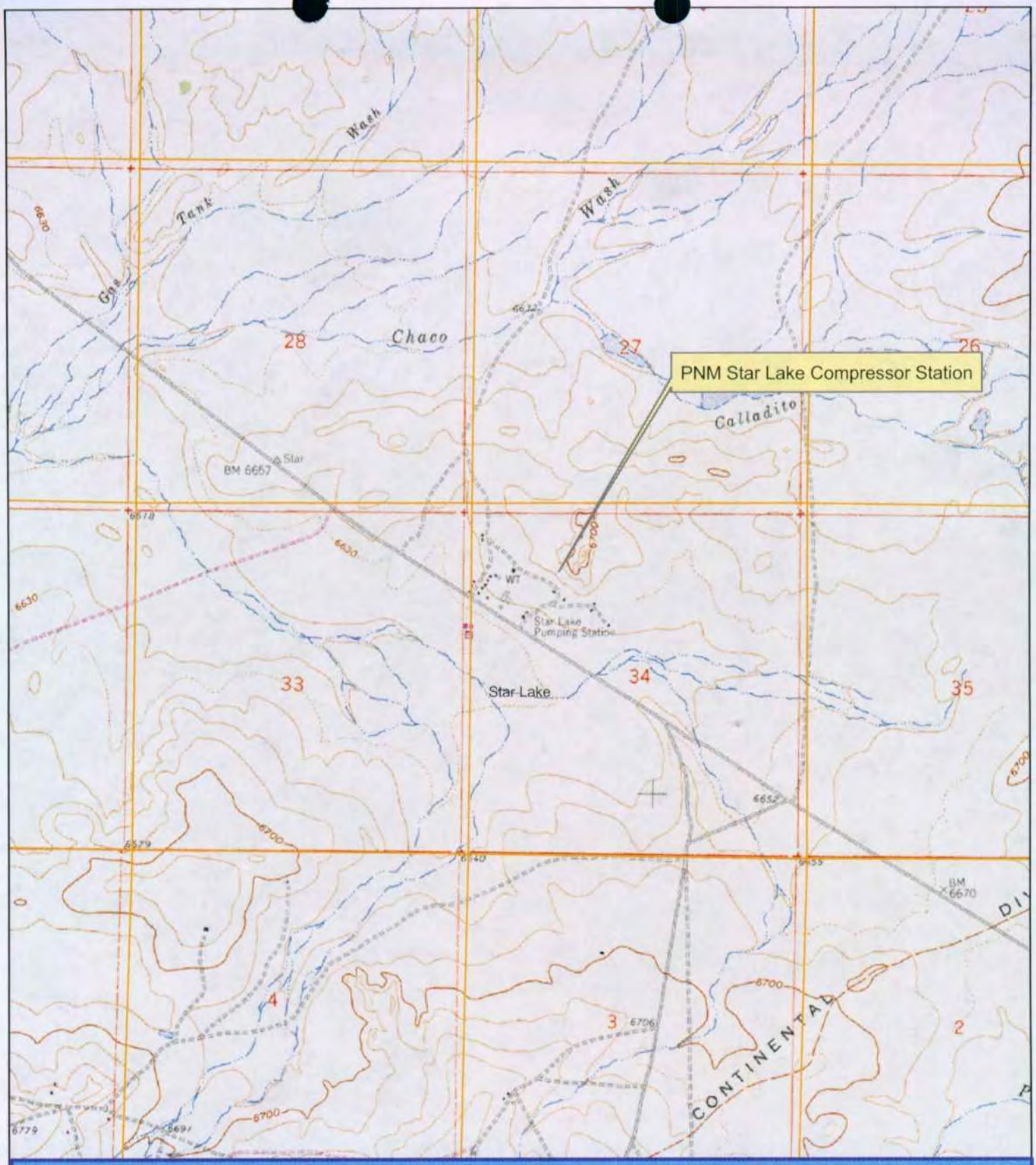
   Contact Person: Kevin Lawrence Phone: (505) 324-3749
3. Location: NW/4 /4 Section 34 Township 20N Range 6W
   Submit large-scale topographic map showing exact location. **(see attached map)**
4. Attach the name, telephone number and address of the landowner of the facility site. **(no change)**
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. **(see revised attached Item 5 and revised facility diagram)**
6. Attach a description of all materials stored or used at the facility. **(see revised attached Item 6)**
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. **(see revised attached Item 7)**
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. **(see revised attached Item 8)**
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. **(no change)**
10. Attach a routine inspection and maintenance plan to ensure permit compliance. **(see revised attached Item 10)**
11. Attach a contingency plan for reporting and clean-up of spills or releases. **(no change)**
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. **(see revised attached Item 12)**
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. **(no change)**

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: Kevin Lawrence Title: Gas Compression Operations Supervisor II

Signature:  Date: 02/15/06

E-mail Address: klawren1@pnm.com



Ownership: NM State Land Office
Quad Map: Star Lake
Sec, T N, R: Section 34, T20N, R6W

PNM Star Lake Compressor Station
McKinley County, New Mexico
Date: 1/25/2006

N
W E
S

2,000 1,000 0 2,000 4,000 6,000 Feet

General Information

This document follows the format presented in the "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations (Revised 12-95)".

A. Name of Discharger or Legally Responsible Party:
Public Service Company of New Mexico (PNM)
Alvarado Square
Albuquerque, NM 87158

B. Name of Local Representative or Contact Person:
Facility Contact: Kevin Lawrence
Public Service Company of New Mexico (PNM)
603 W. Elm Street
Farmington, New Mexico 87499
(505) 324-3749

Permit Application Contact: Robin DeLapp
Public Service Company of New Mexico (PNM)
Alvarado Square, MS 2104
Albuquerque, New Mexico 87158
(505) 241-2016

C. Location of Discharge:
NW ¼, Section 34, Township 20 North, Range 6 West, NMPM
McKinley County, New Mexico

D. Copies:
Three (3) copies of Discharge Plan Renewal Application are submitted to OCD as required (two to Santa Fe and one to Aztec).

E. Affirmation:
"I hereby certify that I am familiar with the information contained herein and submitted with this discharge plan and that such information is true, accurate and complete to the best of my knowledge."

Signature

02/15/06
Date

KEVIN E. LAWRENCE
Printed Name

COMPRESSION SUPV.
Title

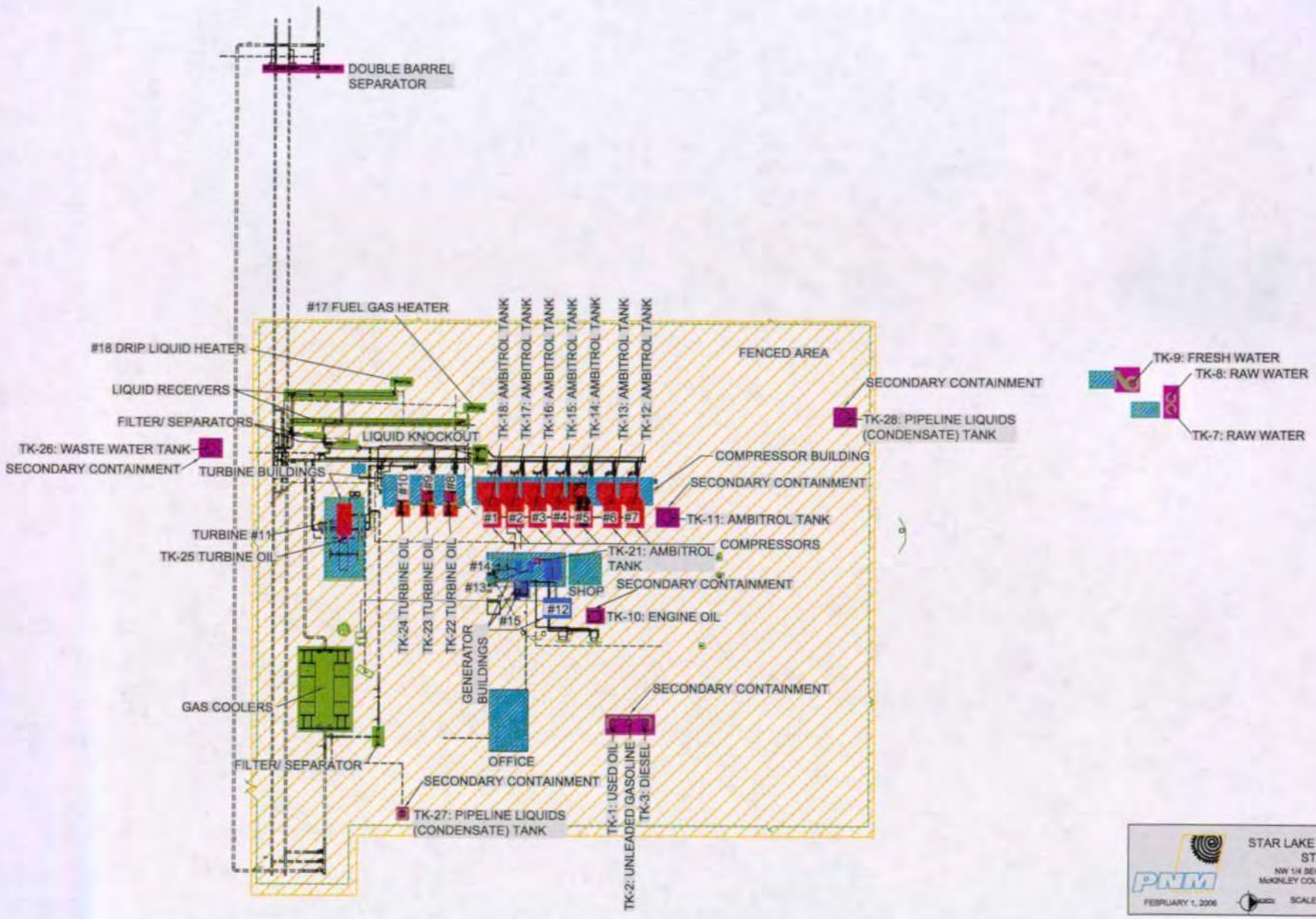
Item 5: Revised

Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

Star Lake is a compressor station located on PNM's natural gas transmission system, which connects the northwest area of New Mexico with the Albuquerque/Santa Fe natural gas distribution system. Gas entering the station passes through two liquid receivers and three filter separators. The dried gas is then routed through the compressors and then returned to the transmission pipeline. There is a liquid knockout on the fuel gas system.

Seven natural-gas fired compressor engines and four natural-gas fired turbines are at the facility for a total rated site horsepower (hp) of 11,570 hp. Electricity for the facility and adjacent housing camp is provided by one of three natural gas-fired generators. Two of the generators are standby units, which operate in the event that the 285-kw generator, which operates continuously, shuts down. An equipment list is given below. A revised facility map that shows the entire compressor plant layout is attached.

Equipment	ID No.	Equipment Description
Compressor	1	Clark HRA6
Compressor	2	Clark HRA6
Compressor	3	Clark RA6
Compressor	4	Clark RA6
Compressor	5	Clark RA6
Compressor	6	Clark RA6
Compressor	7	Clark RA6
Turbine	8	Saturn T1001S (1100)
Turbine	9	Saturn T1001S (1100)
Turbine	10	Saturn T1200 (1200)
Turbine	11	Centaur T4000 (3830)
Generator	12	Waukesha H-24GL (285-kw)
Generator (standby)	13	Caterpillar G342 SI-TA-SC LCR
Generator (emergency)	14	Caterpillar G343 SI-TA-SC LCR
Standby air compressor	15	Wisconsin
Fuel gas heater	17	-
Drip liquid heater	18	-
Liquid receiver	-	-
Liquid receiver	-	-
Filter separator	-	-
Filter separator	-	-
Filter separator	-	-
Liquid knockout	-	-
Double-barrel separator	-	-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#18 DRIP LIQUID HEATER
LIQUID RECEIVERS
FILTER/ SEPARATORS
TK-26: WASTE WATER TANK
SECONDARY CONTAINMENT
LIQUID KNOCKOUT
TURBINE BUILDINGS
TURBINE #11
TK-25 TURBINE OIL
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GENERATOR BUILDINGS
GAS COOLERS
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OFFICE
SHOP
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TK-16: AMBITROL TANK
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TK-14: AMBITROL TANK
TK-13: AMBITROL TANK
TK-12: AMBITROL TANK
#10
#9
#8
#1
#2
#3
#4
#5
#6
#7
#14
#13
#12
#15
FENCED AREA
SECONDARY CONTAINMENT
TK-28: PIPELINE LIQUIDS (CONDENSATE) TANK
COMPRESSOR BUILDING
SECONDARY CONTAINMENT
TK-11: AMBITROL TANK
COMPRESSORS
TK-21: AMBITROL TANK
SECONDARY CONTAINMENT
TK-10: ENGINE OIL
SECONDARY CONTAINMENT
TK-1: USED OIL
TK-2: UNLEADED GASOLINE
TK-3: DIESEL
TK-9: FRESH WATER
TK-8: RAW WATER
TK-7: RAW WATER
STAR LAKE COMPRESSOR STATION
NW 1/4 SEC 34 T20 N R8 W
McKINLEY COUNTY, NEW MEXICO
PNM
FEBRUARY 1, 2006
SCALE: 1"=100'

Item 6: Revised

Attach a description of all materials stored or used at the facility.

Container	ID No.	Material Stored	Volume (gallons)	Location	Containment
AGT	TK-1 (19)	Used oil	2940	East of office	Secondary containment, galvanized steel/cement
AGT-EI	TK-2 (20)	Unleaded gasoline	1000	East of office	Secondary containment, galvanized steel/cement
AGT-EI	TK-3 (21)	Diesel	1000	East of office	Secondary containment, galvanized steel/cement
AGT	TK-7 (25)	Raw water	4200	NE of water plant	None necessary
AGT	TK-8 (26)	Raw water	4200	NE of water plant	None necessary
AGT	TK-9 (27)	Fresh water	232,300	NW of water plant	None necessary
AGT-EI	TK-10 (20)	Engine oil	5875	East of shop	Secondary containment, galvanized steel/cement
AGT	TK-11 (29)	Ambitrol	4200	East of Clark building	Secondary containment, metal ring/soil base
AGT	TK-12 (30)	Ambitrol	415	East of Clark building	Concrete pads but no berms
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AGT	TK-22 (39)	Turbine oil	60	In turbine building	Turbine skid
AGT	TK-23 (40)	Turbine oil	60	In turbine building	Turbine skid
AGT	TK-24 (41)	Turbine oil	60	In turbine building	Turbine skid
AGT	TK-25 (42)	Turbine oil	221	In turbine building	Turbine skid
OTT	TK-26 (46)	Waste water	2940	South of Centaur building, on opposite side of road	Secondary containment, dirt
AGT	TK-27 (47)	Pipeline liquids (condensate)	1000	Southeast of office	Secondary containment, galvanized steel
AGT	TK-28 (48)	Pipeline liquids (condensate)	1000	Northeast of Clark building	Secondary containment, galvanized steel
Drums	--	Degreaser (3) 55-gallon	165	Clark building	Building
Drums	--	Miscellaneous oils (Motor, Engine, Turbine, Gear, Lube) (17-23) 55-gallon	935-1265	Shop, turbine, and generator buildings, tank berms	Building or in galvanized steel/cement secondary containment
Drums	--	Solvent (2) 55-gallon	110	Clark building	Building
Drums	--	Hydraulic fluid (1) 55-gallon	55	Tank berm	Secondary containment, galvanized steel/cement
Drum	--	Antifreeze (1) 55-gallon	55	Tank berm	Secondary containment, galvanized steel/cement
Drums	--	Ambitrol (1) 55-gallon	110	Tank berm	Secondary containment, galvanized steel/cement

TK: tank
AGT: above ground tank
AGT-EI: above ground tank, which is elevated or on a saddle rack
OTT: open top tank

Item 6: Revised (cont.)
Attach a description of all materials stored or used at the facility.

TK-11 (Ambitrol) is interconnected with TK-12 through TK-18 and TK-21. The connecting valves are manually operated and remain in the closed position unless the tanks are being filled by TK-11. Therefore, the berm for TK-11 has not been constructed to contain 1.33 times the combined volume of the tanks but of the single largest tank.

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TK-26 is a below-grade, double-bottomed tank situated in an earthen pit constructed according to NMOCD Guidelines for the Selection and Installation of Below-Grade Produced Water Tanks (revised 10/91).

Drums stored at the facility are stored on concrete pads in buildings or on outdoor concrete pads with secondary containment.

Item 7: Revised

Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.

Source	Type of Waste	Volume/Month	Quality
Liquid receivers, filter separators	Pipeline liquids (condensate)	Varies	No additives
Engines	Used oil Oil filters	50 gallons/month 2/year	Used motor oil
Filters and rag drain	Used oil	Varies	No additives
Wash down	Wash down – waste water	300 gallons/month	Water with degreasers, lube oil, and coolant
Parts washer	Wash down – waste water	Varies	Water, trace solvent, and lube oil
Solid waste	Office & residential	Varies	Non-hazardous
Special waste	Drained filters and rags	Varies	No additives
Sewage	Sewage (no commingling)	Varies	Sewage wastewater

Item 8: Revised

Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Type of Waste	*Collection*	*Storage*	*Hauled by*	*Disposal*
Condensate/pipeline liquids	Piped to TK-27 & TK-28	TK-27 & TK-28	Rinchem Company	Rinchem Company
Used oil	Drained into 55-gallon drums	TK-1	Rinchem Company	Rinchem Company
Waste water	Above ground pipe-manual transport	TK-26	Rinchem Company	Rinchem Company
Solid Waste	None on-site	Trash receptacle	Damon Sanitation	Eastern Navajo Landfill Crownpoint, NM
Special Waste (used filters)	Drained into TK-1	Plastic bags	Rinchem Company	Waste Management Landfill, Rio Rancho, NM
Sewage	Septic system	Two septic tanks and leach field*	N/A	N/A

Rinchem Company, 6133 Edith Boulevard, NW, Albuquerque, NM 87107 (505) 345-3655
Damon Sanitation – Crownpoint, NM – (505) 786-5281
Waste Management Landfill, 402 Industrial Park Loop, NE, Rio Rancho, NM 87124 (505) 892-2055

PNM performed pressure testing on the underground wastewater and condensate lines on July 23, 2002 and submitted to results to the Oil Conservation Division. PNM will perform these test every five years as specified in the Discharge Permit.

* A second septic tank is scheduled for installation in 2006. Once installed, all sewage from the facility will be routed to these septic tanks. An evaporation pond that has been used for a portion of the facility's sewage will no longer be utilized and will be closed.

Item 10: Revised

Attach a routine inspection and maintenance plan to ensure permit compliance.

Star Lake is continuously operated and is manned **10.5** hours per day. The station is equipped with alarms that will notify employees in the adjacent housing camp or the designated on-call operator of an emergency. The site is inspected daily by facility personnel. Inspection and maintenance are performed and documented according to the guidelines set forth in the Star Lake Prevention, Control, and Countermeasure (SPCC) Plan.

Item 12: Revised

Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

Information previously submitted is still valid; however, PNM does have more current information regarding depth to water and total dissolved solids (TDS). The United States Geological Survey (USGS) measured the depth to water in the two on-site wells on March 4, 2002. The depth to water in Well #1 is 493 feet (well depth is 1080 feet). The depth to water is Well #2 is 122 feet (well 2 is 180 feet). American Environmental Network of New Mexico, Inc. measured TDS in Well #1 at 3380 mg/l and Well #2 at 1920 mg/l.

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 FACILITES AND CRUDE OIL PUMP STATIONS

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

☐ New ☒ Renewal ☐ Modification

1. Type: Star Lake Compressor Station

2. Operator: Public Service Company of New Mexico

   Address: 603 W. Elm Street, Farmington, New Mexico 87499

   Contact Person: Kevin Lawrence Phone: (505) 324-3749

3. Location: NW/4 /4 Section 34 Township 20N Range 6W
   Submit large-scale topographic map showing exact location. **(see attached map)**

4. Attach the name, telephone number and address of the landowner of the facility site. **(no change)**

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. **(see revised attached Item 5 and revised facility diagram)**

6. Attach a description of all materials stored or used at the facility. **(see revised attached Item 6)**

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. **(see revised attached Item 7)**

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. **(see revised attached Item 8)**

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. **(no change)**

10. Attach a routine inspection and maintenance plan to ensure permit compliance. **(see revised attached Item 10)**

11. Attach a contingency plan for reporting and clean-up of spills or releases. **(no change)**

12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. **(see revised attached Item 12)**

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. **(no change)**

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: Kevin Lawrence Title: Gas Compression Operations Supervisor II

Signature: Date: 02/15/06

E-mail Address: klawren1@pnm.com

If you have any questions about this payment please contact:

Public Service Company of New Mexico
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, New Mexico 87158
(505) 241-2120

CO.	BANK #	CK DATE	VENDOR NO.	CK NO.
WA	606	[redacted]	NME336222101	201469

INVOICE #	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
NMEDWQ060182997	01/25/06	100.00	0.00	0.00	100.00	060182997	FILING FEE	

TOTAL $100.00

THE ORIGINAL DOCUMENT HAS A WHITE REFLECTIVE WATERMARK ON THE BACK. HOLD AT AN ANGLE TO VIEW. DO NOT CASH IF NOT PRESENT.

606 [redacted] 93-477/929

General Fund Account

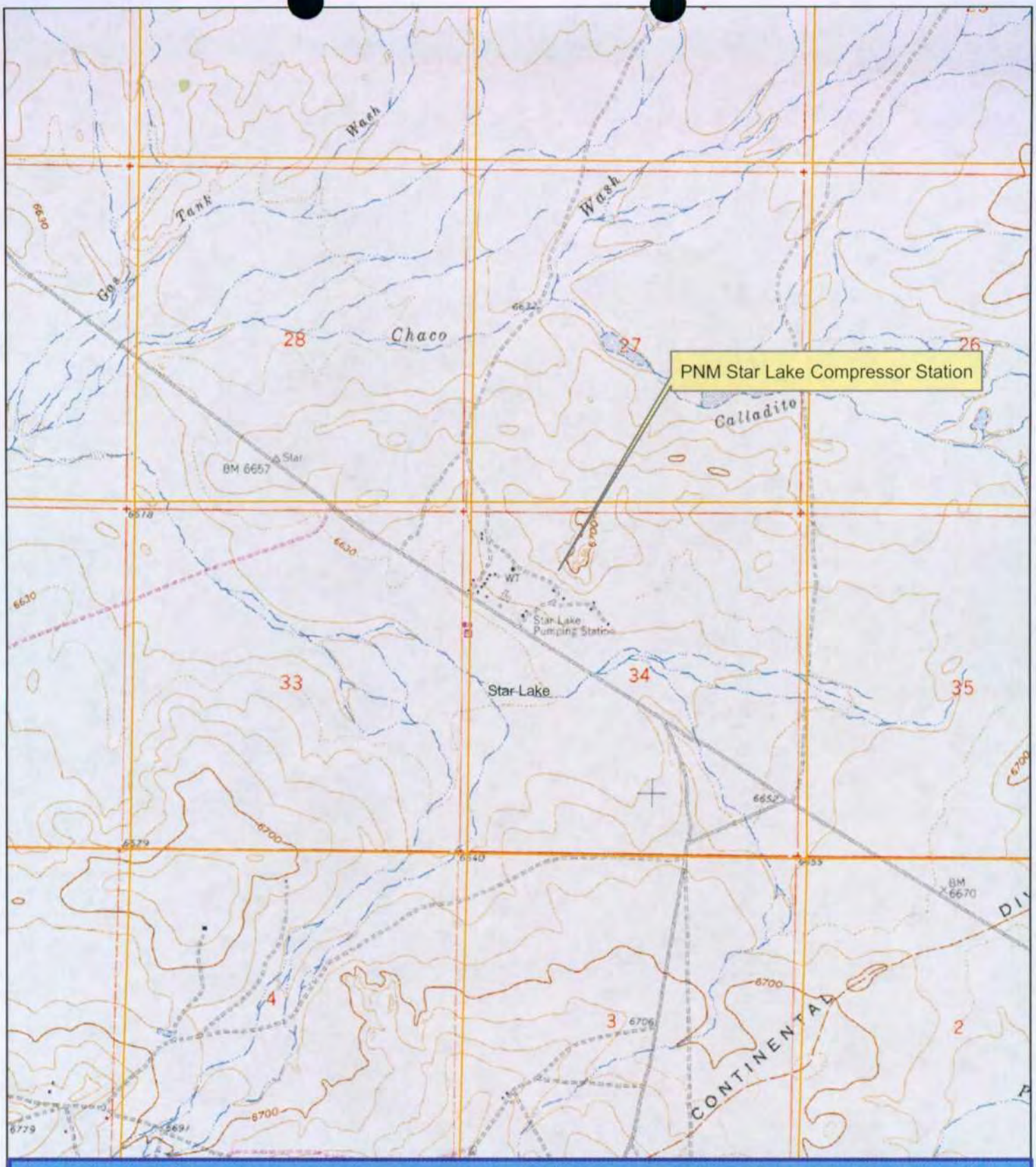
CHECK NO.	DATE	AMOUNT
[redacted]	020306	$********100.00

PAY TO THE ORDER OF

NMED WATER QUALITY MANAGEMENT FUND
OIL CONSERVATION DIVISION, ENVIRONMENTAL
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

Authorized Signature

[redacted]



Ownership: NM State Land Office
Quad Map: Star Lake
Sec, T N, R: Section 34, T20N, R6W

PNM Star Lake Compressor Station
McKinley County, New Mexico
Date: 1/25/2006

N
W E
S

2,000 1,000 0 2,000 4,000 6,000 Feet

General Information

This document follows the format presented in the "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations (Revised 12-95)".

A. Name of Discharger or Legally Responsible Party:
Public Service Company of New Mexico (PNM)
Alvarado Square
Albuquerque, NM 87158

B. Name of Local Representative or Contact Person:
Facility Contact: Kevin Lawrence
Public Service Company of New Mexico (PNM)
603 W. Elm Street
Farmington, New Mexico 87499
(505) 324-3749

Permit Application Contact: Robin DeLapp
Public Service Company of New Mexico (PNM)
Alvarado Square, MS 2104
Albuquerque, New Mexico 87158
(505) 241-2016

C. Location of Discharge:
NW ¼, Section 34, Township 20 North, Range 6 West, NMPM
McKinley County, New Mexico

D. Copies:
Three (3) copies of Discharge Plan Renewal Application are submitted to OCD as required (two to Santa Fe and one to Aztec).

E. Affirmation:
"I hereby certify that I am familiar with the information contained herein and submitted with this discharge plan and that such information is true, accurate and complete to the best of my knowledge."

K. E. Lawrence — Signature

02/15/06 — Date

KEVIN E. LAWRENCE — Printed Name

COMPRESSION SUPV. — Title

Item 5: Revised

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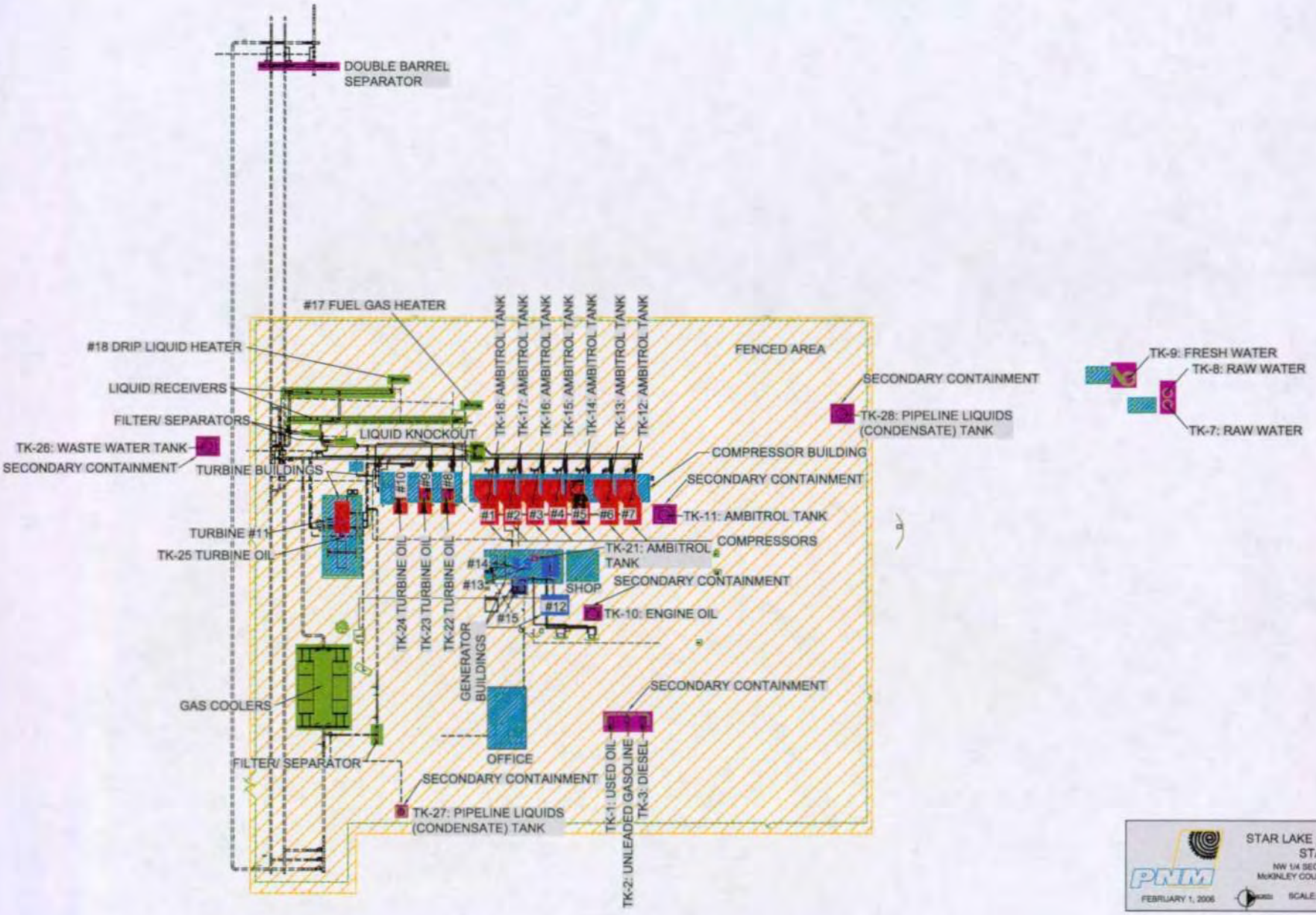
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McKINLEY COUNTY, NEW MEXICO
FEBRUARY 1, 2006
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Special Waste (used filters)	Drained into TK-1	Plastic bags	Rinchem Company	Waste Management Landfill, Rio Rancho, NM
Sewage	Septic system	Two septic tanks and leach field*	N/A	N/A

Rinchem Company, 6133 Edith Boulevard, NW, Albuquerque, NM 87107 (505) 345-3655
Damon Sanitation – Crownpoint, NM – (505) 786-5281
Waste Management Landfill, 402 Industrial Park Loop, NE, Rio Rancho, NM 87124 (505) 892-2055

PNM performed pressure testing on the underground wastewater and condensate lines on July 23, 2002 and submitted to results to the Oil Conservation Division. PNM will perform these test every five years as specified in the Discharge Permit.

* A second septic tank is scheduled for installation in 2006. Once installed, all sewage from the facility will be routed to these septic tanks. An evaporation pond that has been used for a portion of the facility's sewage will no longer be utilized and will be closed.

Item 10: Revised

Attach a routine inspection and maintenance plan to ensure permit compliance.

Star Lake is continuously operated and is manned **10.5** hours per day. The station is equipped with alarms that will notify employees in the adjacent housing camp or the designated on-call operator of an emergency. The site is inspected daily by facility personnel. Inspection and maintenance are performed and documented according to the guidelines set forth in the Star Lake Prevention, Control, and Countermeasure (SPCC) Plan.

Item 12: Revised

Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

Information previously submitted is still valid; however, PNM does have more current information regarding depth to water and total dissolved solids (TDS). The United States Geological Survey (USGS) measured the depth to water in the two on-site wells on March 4, 2002. The depth to water in Well #1 is 493 feet (well depth is 1080 feet). The depth to water is Well #2 is 122 feet (well 2 is 180 feet). American Environmental Network of New Mexico, Inc. measured TDS in Well #1 at 3380 mg/l and Well #2 at 1920 mg/l.

Public Service Company
of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158
Fax 241-2376

May 16, 2002

Mr. Jack Ford
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Hydrostatic Testing Results
Star Lake Compressor Station (GW-263)

Dear Mr. Ford:

Public Service Company of New Mexico (PNM) conducted hydrostatic testing at its Star Lake Compressor Station in accordance with the New Mexico Oil Conservation Division (NM-OCD) Ground Water Discharge Plan requirements. The integrity testing was performed on the non-pressurized gravity drained underground wastewater pipelines to demonstrate their mechanical integrity. The testing was conducted on April 5, 2002.

AMEC Earth & Environmental, Inc. of Farmington, New Mexico conducted the hydrostatic testing for PNM. AMEC used an eight (8) foot high PVC riser to provide a minimum three (3) pounds per square inch (psi) above normal operating pressure in the isolated underground wastewater lines. Clean water was injected into the lines and all air was removed. The water was pumped from a 300-gallon trailer mounted plastic tank. Water pressure was measured with gauges positioned at the base of the riser. The system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes.

Several leaks were discovered during the testing. The height of water column was raised to seven (7) feet and recorded. AMEC personnel noted the water levels at regular intervals. The water column dropped indicating a leak(s) was present. Leak locations were excavated and all faulty piping components were replaced. The lines were retested to verify all pressure loss points were located and repaired before backfilling. After the isolated system was retested the water was drained into the existing wastewater tanks. A final successful hydrostatic test was completed April 5, 2002. AMEC's test results are attached.

The soil at leak locations was excavated to a level below the pipelines. There was no hydrocarbon staining or odor present in the exposed soil so no samples were collected for analysis. The excavated damp soil was removed from the site and spread out in a land farm located east of the facility. The damp soil was mixed with dry soil to let it air dry. The repaired piping locations were covered with fresh soil.

I apologize for not notifying OCD about the test schedule. Unfortunately, internal communication between office and field personnel failed. Call me at (505) 241-4873 if you need additional information or have any questions.

Cordially,

Wilford B. Nez
Sr. Engineering Tech

Cc: R. DeLapp – Senior Environmental Scientist
D. Engert – PNM Compressor Mgr.

April 22, 2002
AMEC Project No. 2517000034

Mr. Kevin Lawrence
Public Service Company of New Mexico
West Elm Street
Farmington, NM 87401

Mr. Dan Engert
Public Service Company of New Mexico
414 Silver Avenue, SW
Albuquerque, NM 87102-1007

RE: Drain Line Testing
PNM Star Lake Compressor Station

Dear Mr. Lawrence and Mr. Engert,

AMEC Earth & Environmental, Inc. is pleased to provide Public Service Company of New Mexico (PNM) with results of hydrostatic testing for the belowground, non-pressurized, process and wastewater drain system at the Star Lake Compressor Station located south of Nageezi, New Mexico. Only below ground, non-pressurized process and wastewater lines were tested, as required by the New Mexico Oil Conservation Division (NMOCD).

Notice to proceed for this project was granted by Mr. Kevin Lawrence on April 2, 2002. AMEC mobilized to the site on April 2, 2002 and began line testing. The work was completed on April 5, 2002. AMEC's on-site crew consisted of Bruce Hare (Project Superintendent), and a field crew.

Procedures for testing the drain lines at this facility consisted of plugging the drain lines associated with the operation of the compressor used to drain oil and wastewater. The underground pipelines carrying process or wastewater were isolated. Each isolated system was filled with clean water and air was removed. A water-filled riser of at least eight feet in height was used to provide a minimum of 3 pounds per square inch above normal operating pressure. A system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes.

AMEC discovered several leaks in the system during the testing. Leaks were identified by visual observations of moisture surfacing above the sub-grade lines. Areas of leaks were excavated by AMEC to identify the cause and effect of leakage. AMEC repaired the leak by replacing sections of the drain line. Over 46 feet of piping was replaced in one area. A final passing hydrostatic test was completed on the Star Lake Compressor Station system non-pressurized drain lines on April 5, 2002.

In keeping PNM's safety policy, along with AMEC's own internal Health and Safety policies, all on-site employees participated and attended daily safety meetings.

AMEC Earth & Environmental, Inc.
2060 Afton Place
Farmington, New Mexico, USA
Tel 1+505-327-7928
Fax 1+505-326-5721
www.amec.com

AMEC appreciates the opportunity to perform these services at the Star Lake Compressor Station for PNM. Should you have any questions, please feel free to contact our office at (505) 327-7928.

Respectfully submitted,
AMEC EARTH & ENVIRONMENTAL, INC.

Don Fernald
Program Manager

Attachment: Summary of Line Testing

Hydrostatic Line Testing Form

amec

AMEC Project Number: 2517000034 **Client:** Public Service Company of New Mexico

Task: _____ **Facility Name:** Star Lake

Test Description: Hydrostat with water

System Description: 2" & 4" PVC

Test Medium: Water **Test Pressure:** 3 PSI **Test Date:** 4-5-02

Test Requirements: Hydrostatic pressure test on all underground process/wastewater pipelines in accordance with the State of New Mexico, Energy, Minerals, and Natural Resources Department - Oil Conservation Division Best Management Practices minimum requirements. Perform a hydrostatic pressure test on underground process/wastewater pipelines at 3 pounds per square inch for a period of one hour.

Test Data:

Start	Stop	Pressure	Pass/Fail	Lines Tested
10:12A	11:15A	86" w c	Pass	From Unit #11 Building Sumps To pump Sump.
11:30A	12:45P	94" w c	PASS	4" PVC Line from Clark Building To main Line. Units 8,9 & 10 Sumps To main Line. Unit #14 from Sump Discharge To Main Line. Main Line from Clark Building To waste water Tank.

Review and Approvals:

Bruce Hare	Bruce Hare	4-5-02
AMEC Representative Signature	**Printed Name**	**Date**
S. Mark Vice	S. Mark Vice	4.5.02
Client Representative Signature	**Printed Name**	**Date**

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

February 20, 2002

Ms. Robin K. DeLapp
Senior Environmental Scientist
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, New Mexico 87158

RE: Star Lake Compressor Station, GW-263
Discharge Plan Approval

Dear Ms. DeLapp:

Enclosed please find the original cover letter for the approval of the above captioned compressor station. It was returned to this office, the original should be kept by Public Service Company for your files.

If you have any questions please contact me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
Oil Conservation Division

Enclosure (1)

Public Service Company
of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158
Fax 241-2376

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

February 19, 2002

Oil Conservation Division
Attn: Roger C. Anderson
1120 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Discharge Plan GW-263
Discharge Plan Approval for Star Lake Compressor Station

Dear Mr. Anderson:

Attached please find a copy of the discharge plan renewal approval letter and one signed copy of the Conditions of Approval for the above-referenced compressor station. As required under WQCC 20.6.2.3114, Public Service Company of New Mexico submitted check number 752097 in the amount of $1700.00 under separate cover. Jack Ford received and processed this check on 2/19/02. This flat fee covers the five (5) year period of the discharge plan that ends September 18, 2006.

Thank you for you assistance regarding this matter. Please call me at (505) 241-2016 if you have any questions.

Sincerely,

Robin K. DeLapp

Robin K. DeLapp
Senior Environmental Scientist

rkd
cc: Mr. Frank T. Chavez, OCD District III Office, 1000 Rio Brazos Road, Aztec, NM 87410
D. J. Engert, PNM Compressor Station Manager (two copies)
DCC
ESD File

If you have any questions about this payment please contact:

Public Service Company of New Mexico
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, New Mexico 87158
(505) 241-2120

CO.	BANK #	CK DATE	VENDOR NO.	CK NO.
WA	606	020306	NME336222101	201469

INVOICE #	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
NMEDWQ060182997	01/25/06	100.00	0.00	0.00	100.00	060182997	FILING FEE	

GW-263 STAR LAKE COMPRESSOR STATION

TOTAL $100.00

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/3/06

or cash received on _____ in the amount of $ 100.00

from Public Service Co.

for Star Lake Compressor station GW-263.
(Facility Name) (DP No.)

Submitted by: Lawrence Romero Date: 2/28/06

Submitted to ASD by: Laurence Romero Date: 11

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

THE ORIGINAL DOCUMENT HAS A WHITE REFLECTIVE WATERMARK ON THE BACK. HOLD AT AN ANGLE TO VIEW. DO NOT CASH IF NOT PRESENT.

PNM 606 [redacted] 93-477/929

General Fund Account

CHECK NO.	DATE	AMOUNT
[redacted]	020306	$********100.00

PAY TO THE ORDER OF

NMED WATER QUALITY MANAGEMENT FUND
OIL CONSERVATION DIVISION, ENVIRONMENTAL
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

GW-263

Authorized Signature

[redacted]

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2-11-07

or cash received on _____ in the amount of $ 1,700.00

from PNM

for Star Lake C.S. GW-263
(Facility Name) (OCP No.)

Submitted by: [signature] Date: 2-18-07

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THE FACE OF THIS DOCUMENT HAS A MULTICOLORED BACKGROUND ON WHITE PAPER

PNM

Electric and Gas Services

General Fund Account

600 [redacted] 93-477/929

VOID

CHECK NO.	DATE	AMOUNT
[redacted]	020211	$******1,700.00

PAY TO THE ORDER OF

WATER MANAGEMENT QUALITY MANAGEMENT FUND
C/O OIL CONSERVATION DIVISION
1220 NORTH ST. FRANCIS DRIVE
SANTA FE, NM 87505

Authorized Signature

FORM NO. 9713M Pat. No's 4,227,720 4,310,180

[redacted]

PNM

Electric and Gas Services

If you have any questions about this payment please contact:

Public Service Company of New Mexico
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, New Mexico 87158
(505) 241-2120

CO.	BANK #	CK DATE	VENDOR NO.	CK NO.
WP	600	020211	WAT443077101	[redacted]

INVOICE #	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
)20271220	01/23/02	1,700.00	0.00	0.00	1,700.00	020271220 PNM		Y

TOTAL $1,700.00

RUSH
Check Request
1/31/02

6045

Mr. D. J. Engert
GW-263 Star Lake Compressor Station
January 23, 2002
Page 2

Pursuant to Section 3109.H.4., this discharge plan is for a period of five years. This plan will expire on **September 18, 2006**, and Public Service Company of New Mexico should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan.

The discharge plan application for the Public Service Company of New Mexico Star Lake Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan application will be assessed a non-refundable fee equal to the filing fee of $100. There is a flat fee assessed for natural gas compressor stations with horsepower rating greater than 1001 horsepower equal to $1,700.00. The OCD has received the filing fee.

FOR Star Lake Compressor Station

Please make all checks payable to: Water Management Quality Management Fund
Attn: Wayne Price, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

If you have any questions please contact Mr. W. Jack Ford at (505) 476-3489. 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,

Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Aztec District Office

Please return check
for $1700.00 to
Robin Delapp
MC 2104
DO NOT Mail

Account #
5-853000-672-00000000
370-5643-FQRQ-5643

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

January 23, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 7464

Mr. D. J. Engert
Public Service Company of New Mexico
Alvarado Square
Albuquerque, New Mexico 87158

RE: Discharge Plan Renewal Approval GW-263
Public Service Company of New Mexico
Star Lake Compressor Station
McKinley County, New Mexico

Dear Mr. Engert:

The ground water discharge renewal plan GW-263 for the Public Service Company of New Mexico Star Lake Compressor Station located in the NW/4 of Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. 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 days of receipt of this letter.**

The original discharge plan application was submitted on July 31, 1996 pursuant to Section 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations. The discharge plan renewal application was submitted August 20, 2001 pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3109.A. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve Public Service Company of New Mexico of liability should operations result in pollution of surface water, ground water, or the environment.

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.

Pursuant to Section 3109.H.4., this discharge plan is for a period of five years. This plan will expire on **September 18, 2006**, and Public Service Company of New Mexico should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan.

The discharge plan application for the Public Service Company of New Mexico Star Lake Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan application will be assessed a non-refundable fee equal to the filing fee of $100. There is a flat fee assessed for natural gas compressor stations with horsepower rating greater than 1001 horsepower equal to $1,700.00. The OCD has received the filing fee.

Please make all checks payable to: Water Management Quality Management Fund
C/o: Oil Conservation Division
1220 North St. Francis Drive
Santa Fe, New Mexico 87505.

If you have any questions please contact Mr. W. Jack Ford at (505) 476-3489. 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,

Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Aztec District Office

U.S. Postal Service
CERTIFIED MAIL ~~RECEIPT~~
(Domestic Mail Only; No Insurance Cov

OFFICIAL

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

SANTA FE NM
JAN 25 2002
87505

Sent To

Street, Apt. No.; or PO Box No.

City, State, ZIP+ 4

PS Form 3800, January 2001

7001 1940 0000

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. D. J. Engert
Public Service Co. of NM
Alvarado Square
Albuquerque, NM
87158

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature]
☐ Agent
☐ Addressee

B. Received by (Printed Name) Khem. S

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JAN 28 2002

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 3929 7464

PS Form 3811, August 2001 Domestic Return Receipt JF GW-263 102595-01-M-2509

ATTACHMENT TO THE DISCHARGE RENEWAL PLAN GW-263
PUBLIC SERVICE COMPANY OF NEW MEXICO
STAR LAKE COMPRESSOR STATION
DISCHARGE PLAN APPROVAL CONDITIONS
(January 23, 2002)

1. Payment of Discharge Plan Fees: The $100.00 filing fee has been received by the OCD. There is a flat fee assessed for natural gas compressor stations with horsepower rating greater than 1001 horsepower equal to $1,700.00. The required flat fee 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. Public Service Company of New Mexico Commitments: Public Service Company of New Mexico will abide by all commitments submitted in the discharge plan renewal application dated August 20, 2001 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. Any waste stream that is not listed in the discharge plan will be approved by OCD on a case-by-case basis.

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 on an annual basis. Integrity tests include 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.

10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity every 5 years. The permittee 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.

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 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.

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 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 Star Lake Compressor Station are discontinued for a period in excess of six months. Prior to closure of the Star Lake Compressor Station a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

17. Certification: Public Service Company of New Mexico, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Public Service Company of New Mexico further acknowledges that the 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.

Accepted:

PUBLIC SERVICE COMPANY OF NEW MEXICO

by_____
Title

THE SANTA FE
NEW MEXICAN
Founded 1849

Jan

NM OIL CONSERVATION DIVISION
ATTN: ED MARTIN

AD NUMBER: 228518 ACCOUNT: 56689
LEGAL NO: 70094 P.O.#: 02199000249
185 LINES 1 time(s) at $ 81.55
AFFIDAVITS: 5.25
TAX: 5.43
TOTAL: 92.23

AFFIDAVIT OF PUBLICATION

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-263) - Public Service Company of New Mexico, Wilford B. Nez, Senior Engineering Tech, Alvarado Square MS 2104, Albuquerque, New Mexico 87158, has submitted a discharge plan renewal application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be collected and stored in a covered above ground tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 58 feet with a total dissolved solids concentrations of approximately 1,750 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 8th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL
LORI WROTENBERY, Director
Legal #70094
Pub. September 26, 2001

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, MM Weideman being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #70094 a copy of which is hereto attached was published in said newspaper 1 day(s) between 09/26/2001 and 09/26/2001 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 26 day of September, 2001 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ MM Weideman
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 26 day of September A.D., 2001

Notary Janet L. Montoya

Commission Expires 12/30/03

OFFICIAL SEAL
Janet L. Montoya
NOTARY PUBLIC - STATE OF NEW MEXICO
MY COMMISSION EXPIRES 12/30/03

AFFIDAVIT OF PUBLICATION

Ad No. 45064

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Saturday, September 22, 2001.

And the cost of the publication is $75.60.

Connie Pruitt

ON 10/3/01 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Ginny Beck

My Commission Expires April 02, 2004

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-263) – Public Service Company of New Mexico, Wilford B. Nez, Senior Engineering Tech, Alvarado Square MS 2104, Albuquerque, New Mexico 87158, has submitted a discharge plan renewal application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be collected and stored in a covered above ground tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 58 feet with a total dissolved solids concentrations of approximately 1,750 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 8th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

Legal No. 45064, published in The Daily Times, Farmington, New Mexico, Saturday, September 22, 2001.

Ford, Jack

From: Ford, Jack
Sent: Wednesday, September 19, 2001 1:40 PM
To: Martin, Ed
Subject: Public Notices GW-256, GW-254, GW-206, & GW-263


256REPUB.DOC


263REPUB.DOC


206PUB.DOC

254

Ford, Jack

From: Martin, Ed
Sent: Wednesday, September 19, 2001 2:18 PM
To: Farmington Daily Times (E-mail)
Cc: Ford, Jack; Anaya, Mary
Subject: Legal Notices

Please publish the attached 2 legal notices, one time only, by Thursday, September 27, 2001.

Upon publication, please forward to this office the following:

1. Publisher's affidavit
2. Invoice. Our purchase order number is **02199000251**

If you have any questions, please e-mail me or phone (505) 476-3492.

Thank you.


Publ. Notice
GW-254,256.doc


Publ. Notice
GW-263.doc

Ford, Jack

From: Martin, Ed
Sent: Wednesday, September 19, 2001 2:12 PM
To: Santa Fe New Mexican (E-mail)
Cc: Ford, Jack; Olson, William
Subject: Legal Notices

Please publish the attached 4 legal notices, one time only, by Thursday, September 27, 2001. Upon publication, please forward the following to this office:

1. Publisher's affidavit
2. Invoice. Our purchase order number is **02199000249**

If you have any questions, please e-mail me or phone (505) 476-3492

Thank you.


Publ. Notice GW-003,004.doc


Publ. Notice GW-254,256.doc


Publ. Notice GW-263.doc


Publ. Notice GW-206.doc

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-263) – Public Service Company of New Mexico, Wilford B. Nez, Senior Engineering Tech, Alvarado Square MS 2104, Albuquerque, New Mexico 87158, has submitted a discharge plan renewal application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be collected and stored in a covered above ground tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 58 feet with a total dissolved solids concentrations of approximately 1,750 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 8th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

for LORI WROTENBERY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/25/01

or cash received on _____ in the amount of $ 100.00

from PNM

for Star Lake CS (Facility Name) GW-263 (DP No.)

Submitted by: [signature] Date: 8/7/01

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ✓

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THE FACE OF THIS DOCUMENT HAS A MULTICOLORED BACKGROUND ON WHITE PAPER

600 [redacted] 93-477/929

PNM

Electric and Gas Services

General Fund Account

CHECK NO.	DATE	AMOUNT
[redacted]	010725	$*********100.00

PAY TO THE ORDER OF

WATER MANAGEMENT QUALITY MANAGEMENT FUND
C/O OIL CONSERVATION DIVISION
1220 NORTH ST. FRANCIS DRIVE
SANTA FE, NM 87505

[signature]
Authorized Signature

[redacted]

FORM NO. 97134 Pat. No's 4,221,126 - 4,310,180

PNM

Electric and Gas Services

If you have any questions about this payment please contact:

Public Service Company of New Mexico
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, New Mexico 87158
(505) 241-2120

CO.	BANK #	CK DATE	VENDOR NO.	CK NO.
WP	600	010725	WAT443077101	[redacted]

INVOICE #	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
10772982	07/18/01	100.00	0.00	0.00	100.00	010772982 PNM		

GW-263
Star Lake C.S.

TOTAL $100.00

Public Service Company
of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158
Fax 241-2376

August 20, 2001

PNM

Oil Conservation Division
Att: Roger C. Anderson
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUBJECT: PNM Discharge Plan GW-263
Renewal Application for Star Lake Compressor Station

Dear Mr. Anderson:

Enclosed please find one (1) original and one (1) copy of the renewal application for Public Service Company of New Mexico's (PNM) Star Lake Compressor Station located in Section 34, T 20 N, R 6 W, McKinley County. One (1) copy will also be mailed to Oil Conservation Division's District III office in Aztec.

Attached find one completed Discharge Plan renewal application, one Location Map, Item 3, and four information sheets (listed below).

Item 5: Revised – Description of the facility with equipment list and revised facility map
Item 6: Revised – Description of all materials stored or used at the facility
Item 8: Revised – Description of current liquid and solid waste collection/treatment/disposal procedures
Item 10: Revised – Routine inspection and maintenance plan to ensure permit compliance

Item 2 and Item 14 on the application form identify a new contact person. Changes to the above information sheets are shown in bold text. Items 1, 4, 7, 9, 11, 12 and 13 are unchanged.

The required $100.00 filing fee for this renewal application has already been mailed to your office. PNM's check (number 73005) was inadvertently mailed without supporting documentation on or about July 26. Jack Ford has confirmed receipt of the check. He will hold it until the accompanying application is received and start the renewal process.

Call me at (505) 241-4873 if you have questions about this submittal.

Sincerely,

Wilford B. Nez
Sr. Engineering Tech

Cc: OCD Aztec District III Office
Mr. D. J. Engert, PNM Compressor Plant Mgr.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, 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 January 24, 2001

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 FACILITES AND CRUDE OIL PUMP STATIONS

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

☐ New ☒ Renewal ☐ Modification

1. Type: **Star Lake Compressor Station**

2. Operator: **Public Service Company of New Mexico (PNM)**

   Address: **Alvarado Square, Albuquerque, NM 87158 Mail Stop 1007**

   Contact Person: **D.J. Engert, Compressor Plant Manager** Phone: **(505) 241-4512**

3. Location: **NW 1/4** /4 _____ /4 Section **34** Township **20N** Range **6W**
   Submit large scale topographic map showing exact location. ***(See Attached Location Map)***

4. Attach the name, telephone number and address of the landowner of the facility site. ***(No Change)***

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. ***(See Attached Item 5:Revised and Facility Map)***

6. Attach a description of all materials stored or used at the facility. ***(See Attached Item 6:Revised)***

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. ***(No Change)***

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. ***(See Attached Item 8: Revised)***

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. ***(No Change)***

10. Attach a routine inspection and maintenance plan to ensure permit compliance. ***(See Attached Item 10:Revised)***

11. Attach a contingency plan for reporting and clean-up of spills or releases. ***(No Change)***

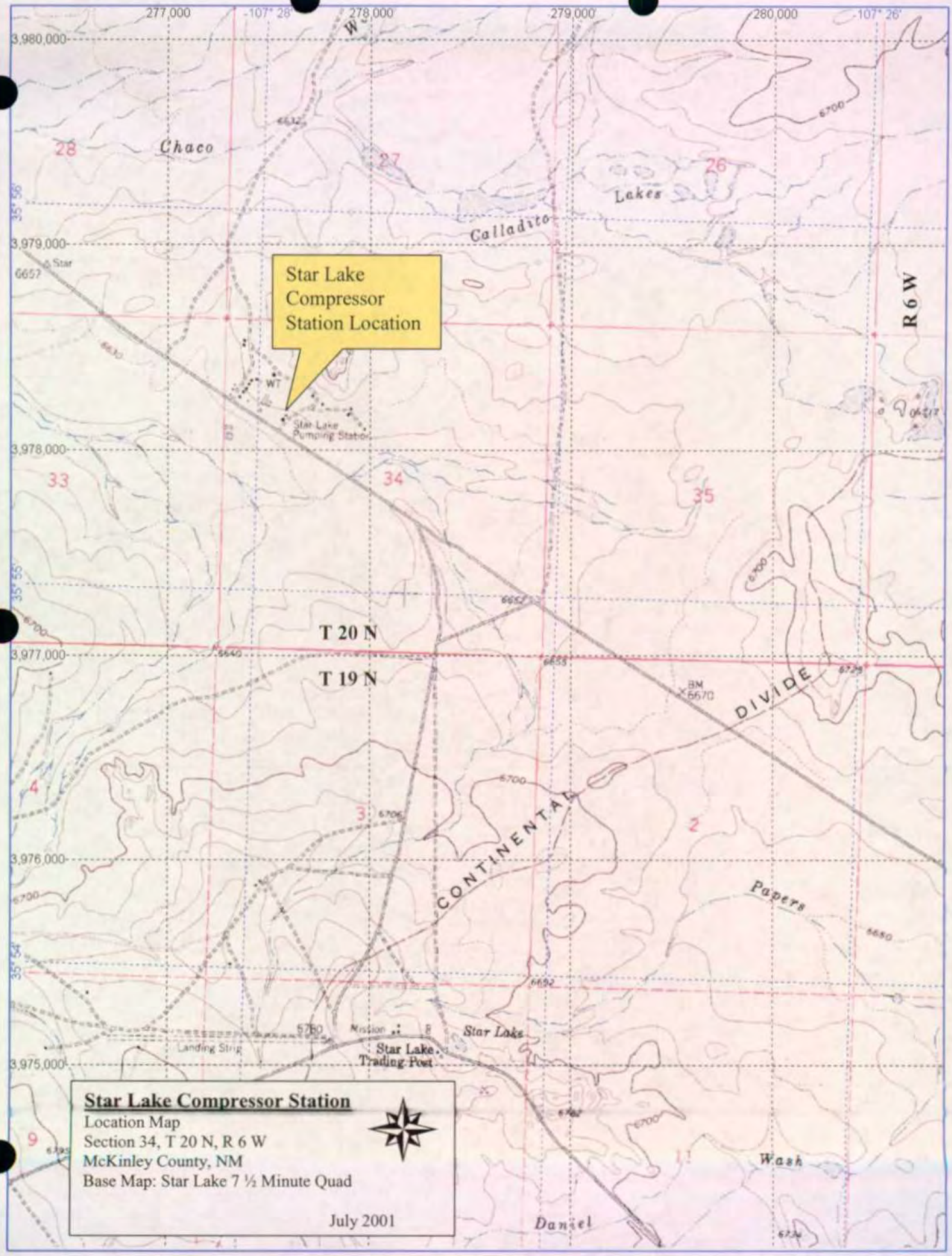
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. ***(No Change)***

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. ***(No Change)***

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: **D. J. Engert** Title: **Compressor Plant Manager**

Signature: _____ Date: 08/20/01



Star Lake Compressor Station
Location Map
Section 34, T 20 N, R 6 W
McKinley County, NM
Base Map: Star Lake 7 ½ Minute Quad

July 2001

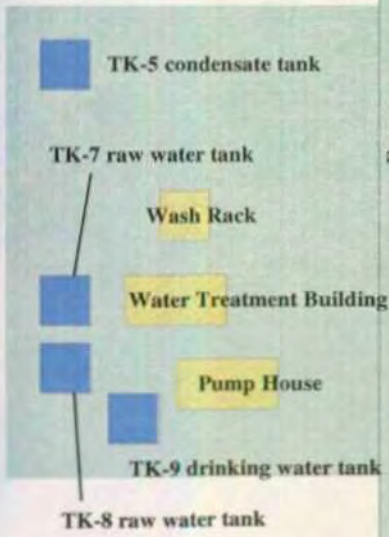
Star Lake Compressor Station

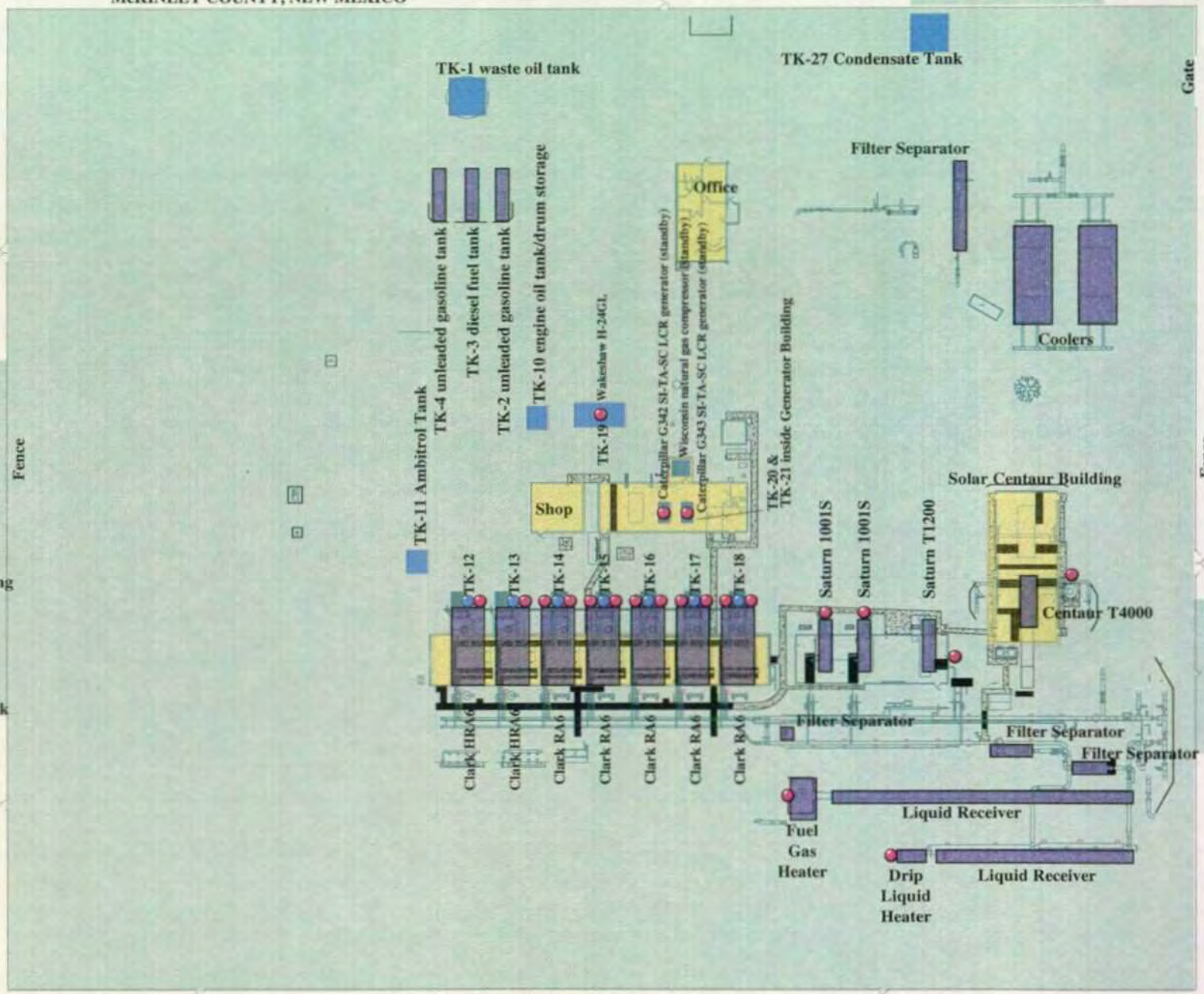
ALBUQUERQUE M/L STATION # 2798+40 C.S. M.P. 53.00

SEC. 34, T-20-N, R-06-W

McKINLEY COUNTY, NEW MEXICO

7/10/2001





LEGEND

Stack

TK Tank

Item 5: Revised

Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

Star Lake is a compressor station located on PNM Gas Services' natural gas transmission system, which connects the gathering and process operations in the northwest area of New Mexico, with the Albuquerque natural gas distribution system. Gas entering the station passes through two liquid receivers and two filter separators. The dried gas is then routed through the compressors and then returned to the transmission pipeline. There is a liquid knockout on the fuel gas system. Seven natural-gas-fired compressor engines and four natural-gas fired turbines are at the facility for a total rated site horsepower (hp) of 11,570 hp. Electricity for the facility and adjacent housing camp is provided by one of three natural gas-fired generators. Two of the generators are standby units, which operate in the event that the **285-kw** generator, which operates continuously, shuts down. An equipment list is given below. **A revised facility map that shows the entire compressor plant layout is attached.**

Equipment	ID
Liquid receiver	-
Liquid receiver	-
Drip liquid heater	-
Filter separator	-
Filter separator	-
Liquid knockout	-
Fuel Gas heater	-
Compressor	Clark HRA6
Compressor	Clark HRA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Saturn T1001S
Compressor	Saturn T1001S
Compressor	Saturn T1200
Compressor	Centaur T4000
Generator	**Waukesha H-24GL (Ingersoll-Rand retired)**
Generator (standby)	Caterpillar G342 SI-TA-SC LCR
Generator (standby)	Wisconsin
Generator (standby)	Caterpillar G343 SI-TA-SC LCR
Filter separator	-

Item 6:Revised

Attach a description of all materials stored or used at the facility.

Container	*ID*	*Material*	*Form*	*Volume*	*Location*	*Containment*
OTT	TK-1	Used Oil	Liquid	2940 gal	East of office	Secondary containment, dirt
AGT-EI	TK-2	Unleaded gasoline	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT-EI	TK-3	Diesel	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT-EI	TK-4	Unleaded gasoline	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT	TK-5	Condensate	Liquid	21,000 gal	North of plant area	Secondary containment, dirt
AGT	TK-7, TK-8	Raw Water	Liquid	(2) 4200 gal	NE of water plant	None necessary
AGT	TK-9	Fresh Water	Liquid	232,300 gal	NW of water plant	None necessary
AGT-EI	TK-10	Engine Oil	Liquid	5875 gal	East of shop	Secondary containment, galvanized steel/cement
Drum	--	"		(~15)55 gal	Under TK-10	Curbed concrete pad
Drum	--	"		(4) 55 gal	Saturn,Centaur and Generator buildings	Building is containment
AGT	TK-11	Ambitrol	Liquid	4200 gal	East of Clark building	Secondary containment, metal ring, dirt bottom
AGT	TK-12 thru TK-18	"		(7) 415 gal	East of Clark building	See containment note next page
AGT	TK-19	"		95 gal	West of generator bldg	See containment note next page
AGT	TK-20, TK-21	"		(2) 95 gal	in generator building	Generator building sump
Drum	--	"		55 gal	In TK-11 berm	Graveled berm area
OTT	TK-26	Waste Water	Liquid	2600 gal	South of Centaur building On opposite side of road	Secondary containment, dirt
AGT	**TK-27**	**Condensate**	**Liquid**		**SE of Office**	**Secondary containment, galvanized steel/cement**
Drum	--	Bio-Solv degreaser		55 gal	Clark Building	Building is containment
Drum	--	Simple Green degreaser		55 gal	Clark Building	Building is containment
Drum	--	Safety Solvent 140		55 gal	Under TK-10	Curbed concrete pad

AGT: above ground tank
AGT-EI: above ground tank, which is elevated or on a saddle rack

OTT: open top tank
(2): number of drums or tanks

Item 6: Revised (cont.)
Attach a description of all materials stored or used at the facility.

TK-11 is interconnected with TK-12 through TK-21. The connecting valves are manually operated and remain in the closed position unless TK-12 through TK-21 is being filled by TK-11. Therefore, the berm for TK-11 has not been constructed to contain 1.33 times the combined volume of the tanks.

TK-12 through TK-18, located adjacent to the Clark compressor building, and TK-19, located adjacent to the generator building, are situated on concrete pads but not bermed. Due to the close proximity of the tanks to the buildings and process equipment, it is not possible to individually berm these tanks. The flat terrain between the Clark compressor building and generator building, where the tanks are located, indicate that a running spill from any of the ambitrol tanks would be stopped by either the buildings or paved walk way which protrudes slightly above the ground surface. Any spills will be handled in accordance with spill response procedures for small spills as outlined in the Spill Prevention, Control and Countermeasure Plan (SPCC) located on-site.

TK-1 and TK-26 are below-grade, double-bottomed tanks situated in earthen pits constructed according to NMOCD Guidelines for the Selection and Installation of Below-Grade Produced Water Tanks (revised 10/91).

Drums stored at the facility are stored on concrete pads in buildings or on outdoor concrete pads with curbs.

Item 8: Revised

Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Type of Waste	*Collection*	*Storage*	*Hauled by*	*Disposal*
Used Oil	Drained into 55-gal drums	TK-1	**Mesa Environmental**	**Mesa Environmental** removes to its facility for recycling
Waster water	Above ground pipe, manual transport	TK-26	An approved trucking company	TnT surface disposal facility
Solid Waste	None onsite	Trash Receptacle	PNM hauls to Southwest Services dumpster	**Eastern Navajo Landfill Crownpoint, NM**
Special Waste (used filters)	Drained into TK-1	Special Receptacle	**Damon Sanitation**	**Eastern Navajo Landfill**

TnT Construction Inc., Rio Arriba County, NM, OGRID#22099, 505-774-6663
Mesa Environmental Inc., 7329 Bradburn, Denver, CO 80030
Damon Sanitation – Crownpoint, NM – 505-786-5281

Item 10: Revised
Attach a routine inspection and maintenance plan to ensure permit compliance.

Star Lake is continuously operated and is manned **14.5** hours per day. The station is equipped with alarms that will notify employees in the adjacent housing camp or the designated on-call operator of an emergency. The site is inspected daily by facility personnel. Inspection and maintenance will be performed according to the guidelines set forth in the Star Lake Prevention, Control, and Countermeasure (SPCC) Plan.

In addition to the regular inspections, TK-11 and TK-5 will be cleaned out and visually inspected every five years as they are not situated on permeable pads. PNM will also perform pressure testing on the underground waste water and condensate lines within 6-months of the approval of this discharge plan.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

February 12, 2001

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 0197

Ms. Jean Arya
PNMGS
Alvardo Square, M.S. 0408
Albuquerque, New Mexico 87158

RE: Discharge Plan Renewal Notice for the PNMGS Facilities

Dear Ms. Arya:

PNMGS has the following discharge plans, which expire during the current calendar year.

GW-065 expires 6/25/2001 – Rio Puerco Compressor Station
GW-066 expires 6/25/2001 – Santa Fe Junction Compressor Station
GW-254 expires 9/5/2001 – Animas Compressor Station
GW-263 expires 9/18/2001 – Star Lake Compressor Station

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 20NMAC 6.2.3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $100.00. After January 15, 2001 renewal discharge plans require a flat fee equal to the flat fee schedule for gas prossessing facilities pursuant to revised WQCC Regulations 20NMAC 6.2.3114. A copy of the revised fee schedule is included for your assistance. The $100.00 filing fee is to be submitted with each discharge plan renewal application and is nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** A complete copy of the regulations is also available on NMED's website at **www.nmenv.state.nm.us**).

If any of the above-sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If PNMGS has any questions, please do not hesitate to contact Mr. Jack Ford at (505) 476-3489.

Sincerely,

Roger C. Anderson
Oil Conservation Division

RCA/wjf

cc: OCD Aztec District Office

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 11:15 AM	Date 5/1/97

Originating Party	Other Parties
Pat Sanchez - OCD	Denver Bearden - PNM65

Subject GW-263, Starlake Compressor station RO-Reject water. (Letter dated April 9, 1997 from PNM65 - signed by Denver Bearden.)

Discussion

① RO-Reject Quality is worse (4800 mg/L TDS) than the shallowest well (well #2 @ 1,920 mg/L TDS). - OCD cannot allow the higher TDS RO-Reject to percolate to the lower TDS groundwater; Therefore we need some method to protect the groundwater.

Note: RO-Reject water metals are below WQCC (20 NMAC 6.1.3101.K - Livestock watering standards)

Conclusions or Agreements

Mr. Bearden will look into the possibility of laying a line to the stock-tanks and discharging the water into a lined tank instead of the current pit.

Distribution File, Denny Foust

Signed Patricia W. Sanchez

Public Service Company
of New Mexico
603 W. Elm - P.O. Box 4750
Farmington, NM 87499
505 950-1997
505 325-7365

File Copy

PNM
Gas Services

April 9, 1997

Mr. Roger C. Anderson
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87806

Re: Discharge Plan GW-263
Star Lake Compressor Station
McKinley County, New Mexico

Dear Mr. Anderson:

PNM Gas Services is requesting a modification to the Discharge Plan GW-263.

The change will be to add an additional drain line from the RO system to drain into the existing sewer evaporation ponds . This drain line will only be used if the stock pond is full and there is a potential of discharging the water into the arroyo. If we receive approval to continue to discharge RO reject water to the existing stock pond based on meeting the requirements as stated in your letter dated February 5, 1997. Enclosed is a packet with all of the documentation requested to make a determination if we can resume discharging to the stock pond.

If denied to continue the discharge to the stock pond , we then would discharge all of the RO reject water to the evaporation ponds.

Please contact me at 505-324-3763 if you have any questions.

Sincerely,

Denver Bearden

Denver Bearden
Environmental Department

324-3763 Direct to Denver
320-0960 - Mobil

Mr. Roger C. Anderson
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87806

Re: Discharge Plan GW-263
Starlake Compressor Station
McKinley County, New Mexico

Dear Mr. Anderson:

The discharge of the RO reject water at the subject station has been modified such that it will not be discharged to a water of the USA.

A couple of changes are or will be made; (1) an additional drain line was run from the RO system to drain into the existing sewer evaporation ponds and (2) the existing stock pond will be enlarged. We feel that these two modifications will alleviate the possible discharge of the RO reject into waters of the USA.

Please feel free to contact me at 505-324-3722 if you have any questions.

Sincerely,

Jesse D. Evans
District Engineer

TO WHOM IT MAY CONCERN:

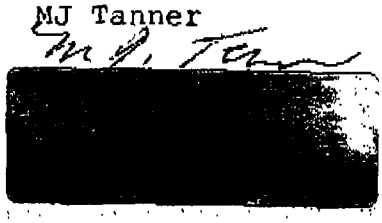
Our cattle operation includes the land near the Star Lake Plant in McKinley County.

Because of the lack of water in this area, PNM is letting us use their water.

We have used the water for about three years; it is used only for the cattle and is very necessary for our operation.

We would appreciate continuing to be granted this priviledge.

MJ Tanner



PNM - GAS SERVICES
STAR LAKE PLANT CORRESPONDENCE

3/12/97

To: Denver Bearden
From: S. Mark Vice

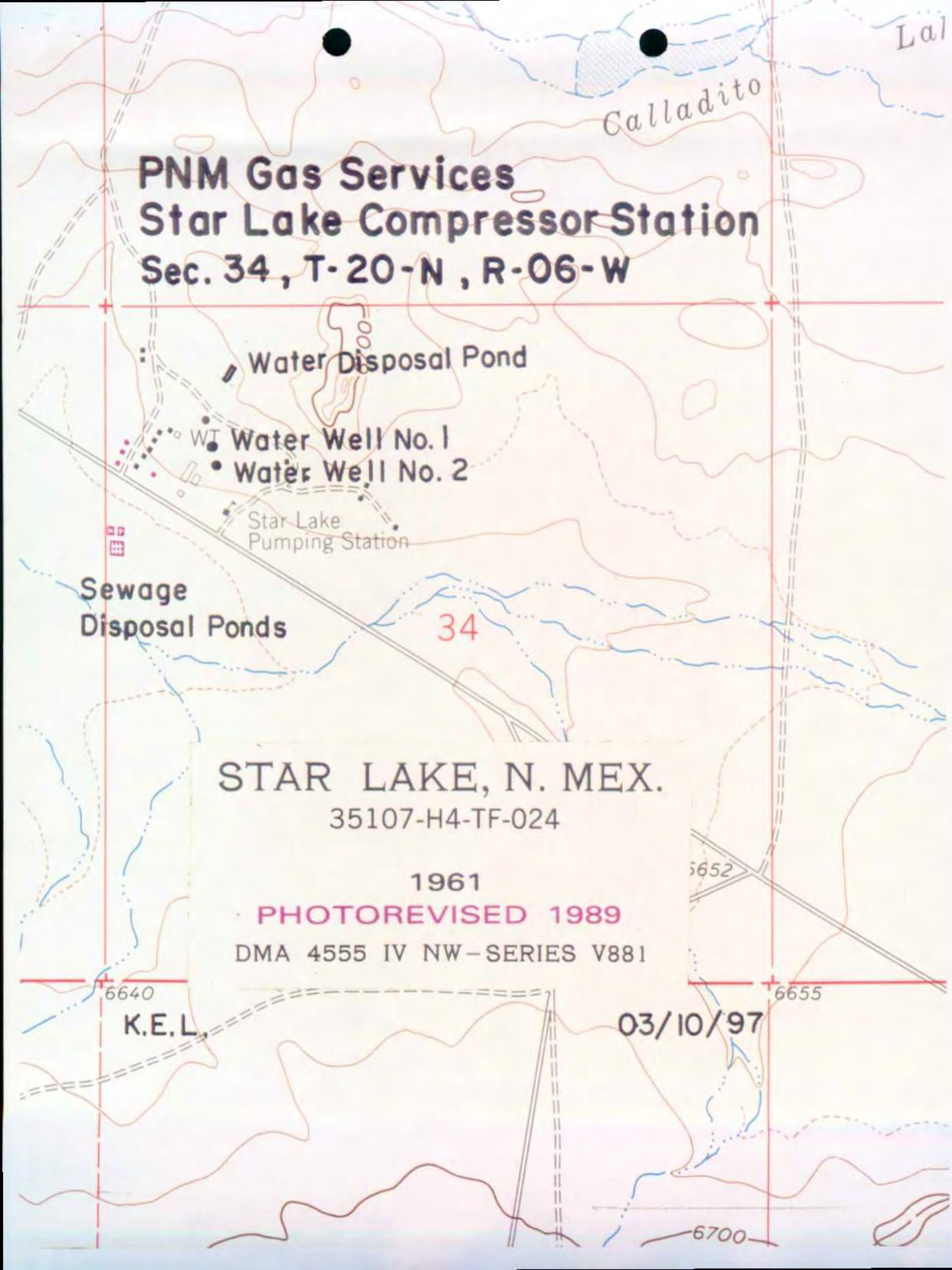
Subject: Star Lake Water Wells - Water Source Zones

The water wells at Star Lake Plant produce water from the following Water Source Zones:

#1 Well	#2 Well
Menefee Formation	Fruitland Formation
	Pictured Cliff Sandstone Formation

This information was provided to us by Mr. Andy Core, Hydrologist - New Mexico State Engineers Office (505 827-6158). He obtained this information by consulting the U.S. Geological Survey.

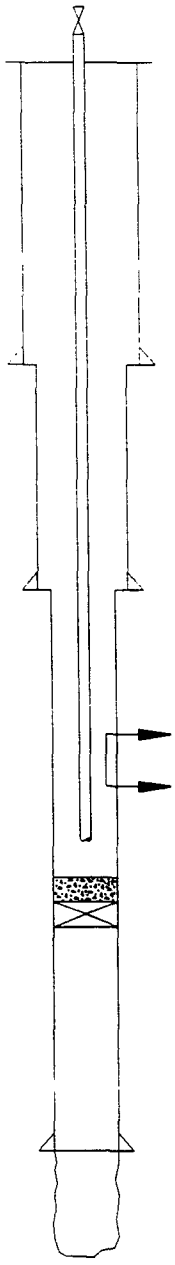
Mr. Core is familiar with the wells located at Star Lake Plant and recently conducted Water Level Static Tests on both of our wells. Wells #1 - depth to water level = 404.66 ft. Well #2 - depth to water level = 87.89 ft.


Lal
Calladito
PNM Gas Services
Star Lake Compressor Station
Sec. 34, T-20-N, R-06-W
Water Disposal Pond
WT
Water Well No. 1
Water Well No. 2
Star Lake
Pumping Station
Sewage
Disposal Ponds
34
STAR LAKE, N. MEX.
35107-H4-TF-024
1961
PHOTOREVISED 1989
DMA 4555 IV NW-SERIES V881
6652
6640
6655
6700
K.E.L.
03/10/97

PNM Gas Services

STAR LAKE #1 WATER WELL
SEC. 34 , T20N , R06W – McKINLEY CO. NEW MEXICO

ELEVATION 6920'



12" CASING TO 150 FEET

8 5/8" CASING TO 448 FEET

775'
785'
PERFORATIONS

PUMP & 2" TUBING SET AT 834 FEET

PBTD AT 1,080 FEET

7" CASING TO 1,423 FEET

OPEN HOLE TO 1,470'

PNM Gas Services

K.E. LAWRENCE

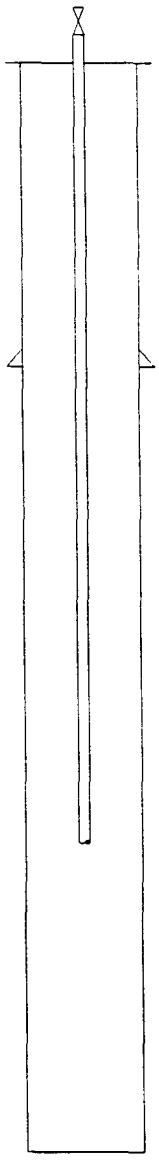
ACAD FILE #KL95-010 (SLWW-1)

FEB. 24, 1997

PNM Gas Services

STAR LAKE #2 WATER WELL
SEC. 34 , T20N , R06W – McKINLEY CO. NEW MEXICO

ELEVATION 6920'



DEPTH OF 10" CASING UNKNOWN

PUMP & 2" TUBING SET AT 170 FEET

DEPTH OF WELL 180 FEET

PNM Gas Services

K.E. LAWRENCE

ACAD FILE #KL95-010 (SLWW-2)

FEB. 24, 1997

STAR LAKE PLANT
WATER WELL SPECIFICATIONS

2/20/97

	WELL #1	WELL #2
DEPTH OF WELL	1,000 ft.	180 ft.
DEPTH OF PUMP	824 ft.	170 ft.
DEPTH TO WATER (STATIC)	487 ft.	58 ft.
DEPTH TO WATER (during pumping)	560 ft.	69 ft.
TOTAL DISSOLVED SOLIDS	3,380 mg/L	1,920 mg/L
FLOW (CONTINUOUS FLOW)	4.88 gpm	1.82 gpm
FLOW (AFTER ½ HR. WAIT)	4.97 gpm	2.73 gpm

Prepared by: S. Mark Vice

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 12/5/96 PAGE: 1 OF 1

AEN LAB I.D. 612317

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: Denver Beardon
COMPANY: PNM
ADDRESS: 603 W Elm
P.O. Box 4750 Farmington, N.M.
PHONE: 505-324-3763
FAX:
BILL TO: PNM
COMPANY: 603 W Elm
ADDRESS: Farmington, N.M. 87401

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	504 EDB / DBCP	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8250) GC/MS	Metal Scan @ 2	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Analysis + Metal Scan @ 25	General Chemistry	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP Metals (8)	Metals	NUMBER OF CONTAINERS
Star Lake RO Reject	12/5/96	0945	AQ	-01													X				X							1

PROJECT INFORMATION

PROJ. NO:
PROJ. NAME: Star Lake
P.O. NO: 661-2940
SHIPPED VIA: Walk-in

SAMPLE RECEIPT

NO. CONTAINERS	1
CUSTODY SEALS	Y/N/(NA)
RECEIVED INTACT	Y
BLUE ICE/ICE	N/A

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) [ ] 24hr [ ] 48hr [ ] 72hr [ ] 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: [ ] NM [ ] SDWA [ ] OTHER

METHANOL PRESERVATION [ ]

COMMENTS: FIXED FEE [ ]

- DIRECT FROM FIELD

RELINQUISHED BY: 1.

Signature: Gary Cook Time: 1220
Printed Name: Gary Cook Date: 12/05/96
Company: PNM Gas Services

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 1220
Printed Name: H.M. Rubenstein Date: 12/5/96
American Environmental Network (NM), Inc.

DISTRIBUTION: White, Canary AEN Pink ORIGINATOR

American Environmental Network
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 12/9 PAGE 1 OF 2

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: American Environmental Network
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER

Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)	Metals 13 Scan 025 (see Attached list)	TOX	TOC	Gen Chemistry	Anion/Cation Scan # 025 (see Attached list)	Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	3240 (TCLP 1311) ZHE	3270 (TCLP 1311)			TCLP	Gross Alpha/Beta				NUMBER OF CONTAINERS
612312-01	12/5/96	0948	AQ	1					X				X																		1

PROJECT INFORMATION

PROJECT NUMBER 612312
PROJECT NAME Public Service Co.
QC LEVEL (STD) IV
QC REQUIRED MS MSD BLANK
TAT (STANDARD) RUSH

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	1 + cc
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	612631

DUE DATE 12/19
RUSH SURCHARGE
CLIENT DISCOUNT
SPECIAL CERTIFICATION REQUIRED ( ) YES ( ) NO

SAMPLES SENT TO:

SAN DIEGO	
Paragon	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	X

RELINQUISHED BY: 1.
Signature: John Caldwell Time: 1700
Printed Name: John Caldwell Date: 12/9/96
Albuquerque

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2
Signature Time
Printed Name Date
Company

RECEIVED BY: (LAB) 2.
Signature Time 9:50
Printed Name: ERIC BRAIDEN Date 12/10/96
Company

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 12/5/96 PAGE: 1 OF 1

AEN LAB I.D. 612312

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Denver Bearden

COMPANY: PNM
ADDRESS: 603 W E/m
P.O. Box 4750 Farmington, N.M
PHONE: 505-324-3763
FAX:

BILL TO: PNM
COMPANY: 603 W E/m
ADDRESS: Farmington, NM 87401

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	NUMBER OF CONTAINERS
Star Lake RO Reject	12/5/96	0945	AQ	-01	1

Petroleum Hydrocarbons (418.1) TRPH
(MOD.8015) Diesel/Direct/Inject
(M8015) Gas/Purge & Trap
Gasoline/BTEX & MTBE (M8015/8020)
BTXE/MTBE (8020)
BTEX & Chlorinated Aromatics (602/8020)
BTEX/MTBE/EDC & EDB (8020/8010/Short)
Chlorinated Hydrocarbons (601/8010)
504 EDB ☐ / DBCP ☐
Polynuclear Aromatics (610/8310)
Volatile Organics (624/8240) GC/MS
Volatile Organics (8260) GC/MS
X Metal Scan 02Y
Pesticides/PCB (608/8080)
Herbicides (615/8150)
Base/Neutral/Acid Compounds GC/MS (625/8270)
X Anion/Cation Scan 025
General Chemistry:
Priority Pollutant Metals (13)
Target Analyte List Metals (23)
RCRA Metals (8)
RCRA Metals by TCLP (Method 1311)
Metals:

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Star Lake
P.O. NO.: 661-2940
SHIPPED VIA: Walk-in

SAMPLE RECEIPT

NO. CONTAINERS	1
CUSTODY SEALS	Y/N/(NA)
RECEIVED INTACT	Y
BLUE ICE/ICE	N/A

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

- DIRECT FROM FIELD

RELINQUISHED BY: 1.
Signature: Gary Cook Time: 1220
Printed Name: Gary Cook Date: 12/05/96
Company: PNM Gas Services

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 1220
Printed Name: H M Rubenstein Date: 12/5/96
American Environmental Network (NM), Inc.

American Environmental Network, Inc.

AEN I.D. **612312**

January 7, 1997

Public Service Company
603 West Elm
P.O. Box 4750
Farmington, NM 87401

Project Name/Number: STARLAKE (NONE)

Attention: Denver Bearden

On **12/05/96**, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze **aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by American Environmental Network (AZ), Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
General Manager

MR:ft

Enclosure

American Environmental Network, Inc.

CLIENT	: PUBLIC SERVICE COMPANY	DATE	12/05/96
PROJECT #	: (NONE)		
PROJECT NAME	: STARLAKE	REPORT DATE	: 01/07/97

AEN ID: 612312

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	612312-01	STARLAKE RO REJECT	AQUEOUS	12/05/96

---TOTALS---

MATRIX	#SAMPLE(S)
AQUEOUS	1

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 612631

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO.

PARAMETER	UNITS	01
CARBONATE (CACO3)	MG/L	180
BICARBONATE (CACO3)	MG/L	3140
HYDROXIDE (CACO3)	MG/L	<10
TOTAL ALKALINITY (AS CACO3)	MG/L	3320
BROMIDE (EPA 300.0)	MG/L	2.2
CHLORIDE (EPA 325.2)	MG/L	460
CONDUCTIVITY, (UMHOS/CM)		6770
FLUORIDE (EPA 340.2)	MG/L	11.1
PH (EPA 150.1)	UNITS	8.5
SULFATE (EPA 375.2)	MG/L	400
T. DISSOLVED SOLIDS (160.1)	MG/L	4800

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO. ATI I.D. : 612631

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CARBONATE	MG/L	61263101	180	180	0	NA	NA	NA
BICARBONATE	MG/L		3140	3140	0	NA	NA	NA
HYDROXIDE	MG/L		<10	<10	NA	NA	NA	NA
TOTAL ALKALINITY	MG/L		3320	3320	0	NA	NA	NA
BROMIDE	MG/L	61280101	0.7	0.8	13	2.1	2.0	70
CHLORIDE	MG/L	61260201	70	70	0	260	200	95
CONDUCTIVITY(UMHOS/CM)		61249903	630	627	0.5	NA	NA	NA
FLUORIDE	MG/L	61262201	0.15	0.16	6	0.33	0.20	90
PH	UNITS	61255802	7.8	7.8	0	NA	NA	NA
SULFATE	MG/L	61258602	9	9	0	28	20	95
TOTAL DISSOLVED SOLIDS	MG/L	61263101	4800	4700	2	NA	NA	NA

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

American Environmental Network, Inc.

METALS RESULTS

ATI I.D. : 612631

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO.

PARAMETER	UNITS	01
SILVER (EPA 200.7/6010)	MG/L	<0.010
ALUMINUM (EPA 200.7/6010)	MG/L	0.16
ARSENIC (EPA 206.2/7060)	MG/L	<0.003
BORON (EPA 200.7/6010)	MG/L	0.7
BARIUM (EPA 200.7/6010)	MG/L	0.038
BERYLLIUM (EPA 200.7/6010)	MG/L	<0.004
CALCIUM (EPA 200.7/6010)	MG/L	2.2
CADMIUM (EPA 213.2/7131)	MG/L	<0.0005
COBALT (EPA 200.7/6010)	MG/L	<0.010
CHROMIUM (EPA 200.7/6010)	MG/L	<0.010
COPPER (EPA 200.7/6010)	MG/L	0.045
IRON (EPA 200.7/6010)	MG/L	<0.050
POTASSIUM (EPA 200.7/6010)	MG/L	3.7
MAGNESIUM (EPA 200.7/6010)	MG/L	1.2
MANGANESE (EPA 200.7/6010)	MG/L	<0.010
MOLYBDENUM (EPA 200.7/6010)	MG/L	<0.02
SODIUM (EPA 200.7/6010)	MG/L	2230
NICKEL (EPA 200.7/6010)	MG/L	<0.020
LEAD (EPA 239.2/7421)	MG/L	<0.002
ANTIMONY (EPA 200.7/6010)	MG/L	<0.05
SELENIUM (EPA 270.2/7740)	MG/L	<0.005
SILICON (EPA 200.7/6010)	MG/L	8.5
THALLIUM (EPA 279.2/7841)	MG/L	<0.005
VANADIUM (EPA 200.7/6010)	MG/L	<0.010
ZINC (EPA 200.7/6010)	MG/L	0.054

METALS - QUALITY CONTROL

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO. ATI I.D. : 612631

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER	MG/L	61263101	<0.010	<0.010	NA	0.449	0.500	90
ALUMINUM	MG/L	61263101	0.16	0.16	0	1.12	1.00	96
ARSENIC	MG/L	61249908	0.004	0.004	0	0.054	0.050	100
BORON	MG/L	61263101	0.7	0.7	0	1.7	1.0	100
BARIUM	MG/L	61263101	0.038	0.038	0	0.961	1.00	92
BERYLLIUM	MG/L	61263101	<0.004	<0.004	NA	0.485	0.500	97
CALCIUM	MG/L	61263101	2.2	2.2	0	50.5	50.0	97
CADMIUM	MG/L	61249911	<0.0005	<0.0005	NA	0.0048	0.0050	96
COBALT	MG/L	61263101	<0.010	<0.010	NA	0.971	1.00	97
CHROMIUM	MG/L	61263101	<0.010	<0.010	NA	0.970	1.00	97
COPPER	MG/L	61263101	0.045	0.044	2	0.532	0.500	97
IRON	MG/L	61263101	<0.050	<0.050	NA	1.03	1.00	103
POTASSIUM	MG/L	61249903	9.5	9.4	1	118	100	108
MAGNESIUM	MG/L	61263101	1.2	1.2	0	24.8	25.0	94
MANGANESE	MG/L	61263101	<0.010	<0.010	NA	1.02	1.00	102
MOLYBDENUM	MG/L	61263101	<0.02	<0.02	NA	0.98	1.00	98
SODIUM	MG/L	61263101	2230	2210	0.9	12600	10000	104
NICKEL	MG/L	61263101	<0.020	<0.020	NA	0.992	1.00	99
LEAD	MG/L	61249917	<0.002	<0.002	NA	0.053	0.050	106
ANTIMONY	MG/L	61263101	<0.05	<0.05	NA	1.04	1.00	104
SELENIUM	MG/L	61249920	0.008	0.009	12	0.040	0.050	64 *W
SILICON	MG/L	61263101	8.5	8.4	1	17.8	10.0	93
THALLIUM	MG/L	61249914	<0.025	<0.025	NA	0.054*W	0.125	43*W
VANADIUM	MG/L	61263101	<0.010	<0.010	NA	0.983	1.00	98
ZINC	MG/L	61263101	0.054	0.060	11	0.580	0.500	105

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

* Result out of limits due to sample matrix interference

DATE: 12-26-97

ION BALANCE

AEN ACCESSION NUMBER: 61263101
SAMPLE IDENTIFICATION: 612312-01
CLIENT: AMERICAN ENV. NETWORK OF NM, INC.

ANIONS	RESULT MG/L	FACTOR ME/L	TOTAL	
ALKALINITY (AS $CaCO_3$)	3320.000	0.02000	66.40000	
CHLORIDE	460.000	0.02821	12.97660	
FLUORIDE	11.100	0.05264	0.58430	
NITRATE AS N (NO_3(NO_3-N X 4.43))	NA	0.01613	0.00000	
SiO_3 (SILICON X 2.71)	NA	0.02629	0.00000	
SULFATE	400.000	0.02082	8.32800	
		TOTAL ANIONS		88.2889

CATIONS	RESULT	FACTOR	TOTAL	
CALCIUM	2.200	0.04990	0.10978	
POTASSIUM	3.700	0.02558	0.09465	
MAGNESIUM	1.200	0.08229	0.09875	
SODIUM	2230.000	0.04350	97.00500	
		TOTAL CATIONS		97.30817
		%RPD (<10%)*		-9.72
TOTAL ANIONS/CATIONS	(CALCULATED)	5100.200		
TOTAL DISSOLVED SOLIDS	(ANALYZED)	4800	%RPD (<15%)*	6.06
ELECTRICAL COND.		6770	TDS/EC RATIO (0.65+/-0.10)	0.71

* If either Total Cations or Total Anions <10, then the %RPD Limit is not applicable.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/3/97,

or cash received on _____ in the amount of $ 1380.00

from PNM

for Star Lake C.S. (Facility Name) GW-263 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R C Anderson Date: 3/19/97

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility X Renewal ___

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 97

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment ___

PNM Gas Services

WORKING FUND DRAFT

PNM4206 3/96

95-27/1070

THIS IS A DRAFT

PLEASE PRESENT FOR PAYMENT PROMPTLY - **VOID AFTER 60 DAYS**

LOCATION	CODE	NO [redacted]
Farmington	660	
DATE Feb. 3, 1997	VENDOR CODE	TAX

Liz Cadron
AUTHORIZED SIGNATURE

PURPOSE Discharge Plan Flat Fee

PAY THE SUM OF One Thousand Three Hundred Eighty and no/100 ~~$~~ $1,380

TO THE ORDER OF
NMED/Water Quality Management
2040 S. Pacheco
Santa Fe, NM 87505

ENDORSE ON REVERSE SIDE EXACTLY AS SHOWN OPPOSITE

PAYABLE THROUGH
FIRST SECURITY BANK IN ALBUQUERQUE
ALBUQUERQUE, NEW MEXICO

[redacted]

PNM GS - "STAR LAKE" Compressor Station
GW - 263
Flat Fee

FEB - 5 1997

Environmental Bureau
Oil Conservation Division

WORKING FUND DRAFT
PNM4206 3/96

95-27/107

PNM Gas Services

THIS IS A DRAFT
PLEASE PRESENT FOR PAYMENT PROMPTLY - **VOID AFTER 60 DAYS**

LOCATION: Farmington | CODE: 660 | NO: [redacted]
DATE: Feb. 3, 1997 | VENDOR CODE | TAX

L. C. Catron
AUTHORIZED SIGNATURE

PURPOSE: Discharge Plan Flat Fee

PAY THE SUM OF One Thousand Three Hundred Eighty and no/100 ~ $1,380

TO THE ORDER OF
NMED/Water Quality Management
2040 S. Pacheco
Santa Fe, NM 87505

ENDORSE ON REVERSE SIDE EXACTLY AS SHOWN OPPOSITE

PAYABLE THROUGH
FIRST SECURITY BANK IN ALBUQUERQUE
ALBUQUERQUE, NEW MEXICO

[redacted]

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 5, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-762

Mr. Denver Bearden
Public Service Company of New Mexico (PNMGS)
603 W. Elm St.
Farmington, NM 87499

RE: Discharge Plan GW-263
Starlake Compressor Station
McKinley County, New Mexico

Dear Mr. Bearden:

The OCD on February 5, 1997 received the analytical results for water wells 1 and 2, as well as the RO reject. Upon review of the analysis it appears that the RO reject TDS concentration exceeds the groundwater TDS concentration. The OCD, without the following information cannot allow the continued discharge of the RO reject water to the stock pond. **The OCD will therefore require that PNMGS cease the discharge of the RO reject water to the stock pond until the following four points can be addressed by PNMGS:**

1. Provide a site map indicating the location of water wells 1 and 2, as well as the stock pond. The map will be to scale and will show surface topography of the site in terms of surface elevation and physical features such as washes, ditches, and hills.

2. The construction, depth to groundwater, and water source zone for each well.

3. If the RO reject water is used in the stock pond for a beneficial use, such a livestock water, a written agreement specifying and requesting the use between PNMGS and the user.

4. Provide a certification that the RO reject will not be discharged to a water of the USA.

In the meantime, PNMGS will store and dispose of the RO reject as a non-exempt waste, and will utilize an OCD approved facility for proper disposal. If you have any questions regarding this matter, please contact me at (505)-827-7152 or Mr. Patricio Sanchez at (505) 827-7156.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/pws

xc: Mr. Denny Foust - Aztec District OCD office

P 288 258 762

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to PVMGS - Starlake - GW-263	
Street & Number M-. Bearden.	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

ANALYTICA
ENVIRONMENTAL LABORATORY

WATER ANALYSIS

Gas Company of NM

Project ID:	Star Lake	Report Date:	11/14/94
Sample ID:	Well #2	Date Sampled:	10/27/94
Laboratory ID.	256	Time Sampled:	11:00
Sample Matrix:	Water	Date Received:	10/27/94
Condition:	Cool/Intact		

Target Analyte	Analytica Result	Units		Units
Lab pH	8.7	s.u.		
Conductivity	3,200	um/hos		
Total Dissolved Solids	1,920	mg/L		
Calculated TDS	1,910	mg/L		
Total Alkalinity as $CaCO_3$	927	mg/L	18.5	meq/L
Bicarbonate as HCO_3^-	1,070	mg/L	17.6	meq/L
Carbonate as CO_3^{2}	29	mg/L	0.97	meq/L
Hydroxide as OH^-	0	mg/L	0.00	meq/L
Chloride	142	mg/L	4.0	meq/L
Sulfate	472	mg/L	9.82	meq/L
Total Hardness as $CaCO_3$	10.1	mg/L	0.20	meq/L
Calcium	3.83	mg/L	0.19	meq/L
Magnesium	0.13	mg/L	0.01	meq/L
Potassium	3.30	mg/L	0.08	meq/L
Sodium	735	mg/l	32.0	meq/L
Cations			32	meq/L
Anions			32	meq/L
Cation/Anion Difference			0.19	%

Total Coliform Bacteria	0	colonies/100mL
Noncoliform Type Bacteria	TNTC*	colonies/100mL

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: The sample tested for Total Coliform had Noncoliform bacteria that were too numerous to count.

Reviewed

ANALYTICA
ENVIRONMENTAL LABORATORY

WATER ANALYSIS

Gas Company of NM

Project ID:	Star Lake	Report Date:	11/14/94
Sample ID:	Well #1	Date Sampled:	10/27/94
Laboratory ID.	257	Time Sampled:	11:00
Sample Matrix:	Water	Date Received:	10/27/94
Condition:	Cool/Intact		

Target Analyte	Analytical Result	Units		Units
Lab pH	8.4	s.u.		
Conductivity	5,640	um/hos		
Total Dissolved Solids	3,380	mg/L		
Calculated TDS	3,320	mg/L		
Total Alkalinity as $CaCO_3$	1,150	mg/L	22.0	meq/L
Bicarbonate as HCO_3^-	1,340	mg/L	22.0	meq/L
Carbonate as CO_3^{2-}	26	mg/L	0.88	meq/L
Hydroxide as OH^-	0	mg/L	0.00	meq/L
Chloride	691	mg/L	19.5	meq/L
Sulfate	674	mg/L	14.0	meq/L
Total Hardness as $CaCO_3$	25.7	mg/L	0.51	meq/L
Calcium	8.26	mg/L	0.41	meq/L
Magnesium	1.2	mg/L	0.10	meq/L
Potassium	5.20	mg/L	0.13	meq/L
Sodium	1,250	mg/L	54.4	meq/L
Cations			55	meq/L
Anions			56	meq/L
Cation/Anion Difference			1.28	%

Total Coliform Bacteria	0	colonies/100mL
Noncoliform Type Bacteria	TNTC*	colonies/100mL

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: The sample tested for Total Coliform had Noncoliform bacteria that were too numerous to count.

Reviewed

American Environmental Network, Inc.

AEN I.D. **612312**

FEB - 5 1997

Oil Conservation Division

January 7, 1997

Public Service Company
603 West Elm
P.O. Box 4750
Farmington, NM 87401

Project Name/Number: STARLAKE (NONE)

Attention: Denver Bearden

On **12/05/96**, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze **aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by American Environmental Network (AZ), Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
General Manager

MR:ft

Enclosure

2709-D Pan American Freeway, NE • Albuquerque, NM 87107 • (505) 344-3777 • Fax (505) 344-4413

American Environmental Network, Inc.

CLIENT	: PUBLIC SERVICE COMPANY	DATE	12/05/96
PROJECT #	: (NONE)		
PROJECT NAME	: STARLAKE	REPORT DATE	: 01/07/97

AEN ID: 612312

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	612312-01	STARLAKE RO REJECT	AQUEOUS	12/05/96

---TOTALS---

MATRIX	#SAMPLE(S)
AQUEOUS	1

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 612631

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO.

PARAMETER	UNITS	01
CARBONATE (CACO3)	MG/L	180
BICARBONATE (CACO3)	MG/L	3140
HYDROXIDE (CACO3)	MG/L	<10
TOTAL ALKALINITY (AS CACO3)	MG/L	3320
BROMIDE (EPA 300.0)	MG/L	2.2
CHLORIDE (EPA 325.2)	MG/L	460
CONDUCTIVITY, (UMHOS/CM)		6770
FLUORIDE (EPA 340.2)	MG/L	11.1
PH (EPA 150.1)	UNITS	8.5
SULFATE (EPA 375.2)	MG/L	400
T. DISSOLVED SOLIDS (160.1)	MG/L	4800

American Environmental Network, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO. ATI I.D. : 612631

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CARBONATE	MG/L	61263101	180	180	0	NA	NA	NA
BICARBONATE	MG/L		3140	3140	0	NA	NA	NA
HYDROXIDE	MG/L		<10	<10	NA	NA	NA	NA
TOTAL ALKALINITY	MG/L		3320	3320	0	NA	NA	NA
BROMIDE	MG/L	61280101	0.7	0.8	13	2.1	2.0	70
CHLORIDE	MG/L	61260201	70	70	0	260	200	95
CONDUCTIVITY(UMHOS/CM)		61249903	630	627	0.5	NA	NA	NA
FLUORIDE	MG/L	61262201	0.15	0.16	6	0.33	0.20	90
PH	UNITS	61255802	7.8	7.8	0	NA	NA	NA
SULFATE	MG/L	61258602	9	9	0	28	20	95
TOTAL DISSOLVED SOLIDS	MG/L	61263101	4800	4700	2	NA	NA	NA

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

American Environmental Network, Inc.

METALS RESULTS

ATI I.D. : 612631

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO.

PARAMETER	UNITS	01
SILVER (EPA 200.7/6010)	MG/L	<0.010
ALUMINUM (EPA 200.7/6010)	MG/L	0.16
ARSENIC (EPA 206.2/7060)	MG/L	<0.003
BORON (EPA 200.7/6010)	MG/L	0.7
BARIUM (EPA 200.7/6010)	MG/L	0.038
BERYLLIUM (EPA 200.7/6010)	MG/L	<0.004
CALCIUM (EPA 200.7/6010)	MG/L	2.2
CADMIUM (EPA 213.2/7131)	MG/L	<0.0005
COBALT (EPA 200.7/6010)	MG/L	<0.010
CHROMIUM (EPA 200.7/6010)	MG/L	<0.010
COPPER (EPA 200.7/6010)	MG/L	0.045
IRON (EPA 200.7/6010)	MG/L	<0.050
POTASSIUM (EPA 200.7/6010)	MG/L	3.7
MAGNESIUM (EPA 200.7/6010)	MG/L	1.2
MANGANESE (EPA 200.7/6010)	MG/L	<0.010
MOLYBDENUM (EPA 200.7/6010)	MG/L	<0.02
SODIUM (EPA 200.7/6010)	MG/L	2230
NICKEL (EPA 200.7/6010)	MG/L	<0.020
LEAD (EPA 239.2/7421)	MG/L	<0.002
ANTIMONY (EPA 200.7/6010)	MG/L	<0.05
SELENIUM (EPA 270.2/7740)	MG/L	<0.005
SILICON (EPA 200.7/6010)	MG/L	8.5
THALLIUM (EPA 279.2/7841)	MG/L	<0.005
VANADIUM (EPA 200.7/6010)	MG/L	<0.010
ZINC (EPA 200.7/6010)	MG/L	0.054

American Environmental Network, Inc.

METALS - QUALITY CONTROL

CLIENT : AMERICAN ENV. NETWORK OF NM, INC.
PROJECT # : 612312
PROJECT NAME : PUB SVC CO. ATI I.D. : 612631

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER	MG/L	61263101	<0.010	<0.010	NA	0.449	0.500	90
ALUMINUM	MG/L	61263101	0.16	0.16	0	1.12	1.00	96
ARSENIC	MG/L	61249908	0.004	0.004	0	0.054	0.050	100
BORON	MG/L	61263101	0.7	0.7	0	1.7	1.0	100
BARIUM	MG/L	61263101	0.038	0.038	0	0.961	1.00	92
BERYLLIUM	MG/L	61263101	<0.004	<0.004	NA	0.485	0.500	97
CALCIUM	MG/L	61263101	2.2	2.2	0	50.5	50.0	97
CADMIUM	MG/L	61249911	<0.0005	<0.0005	NA	0.0048	0.0050	96
COBALT	MG/L	61263101	<0.010	<0.010	NA	0.971	1.00	97
CHROMIUM	MG/L	61263101	<0.010	<0.010	NA	0.970	1.00	97
COPPER	MG/L	61263101	0.045	0.044	2	0.532	0.500	97
IRON	MG/L	61263101	<0.050	<0.050	NA	1.03	1.00	103
POTASSIUM	MG/L	61249903	9.5	9.4	1	118	100	108
MAGNESIUM	MG/L	61263101	1.2	1.2	0	24.8	25.0	94
MANGANESE	MG/L	61263101	<0.010	<0.010	NA	1.02	1.00	102
MOLYBDENUM	MG/L	61263101	<0.02	<0.02	NA	0.98	1.00	98
SODIUM	MG/L	61263101	2230	2210	0.9	12600	10000	104
NICKEL	MG/L	61263101	<0.020	<0.020	NA	0.992	1.00	99
LEAD	MG/L	61249917	<0.002	<0.002	NA	0.053	0.050	106
ANTIMONY	MG/L	61263101	<0.05	<0.05	NA	1.04	1.00	104
SELENIUM	MG/L	61249920	0.008	0.009	12	0.040	0.050	64 *W
SILICON	MG/L	61263101	8.5	8.4	1	17.8	10.0	93
THALLIUM	MG/L	61249914	<0.025	<0.025	NA	0.054*W	0.125	43*W
VANADIUM	MG/L	61263101	<0.010	<0.010	NA	0.983	1.00	98
ZINC	MG/L	61263101	0.054	0.060	11	0.580	0.500	105

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

* Result out of limits due to sample matrix interference

American Environmental Network, Inc.

DATE: 12-26-97

ION BALANCE

AEN ACCESSION NUMBER: 61263101
SAMPLE IDENTIFICATION: 612312-01
CLIENT: AMERICAN ENV. NETWORK OF NM, INC.

ANIONS	RESULT MG/L	FACTOR ME/L	TOTAL	
ALKALINITY (AS $CaCO_3$)	3320.000	0.02000	66.40000	
CHLORIDE	460.000	0.02821	12.97660	
FLUORIDE	11.100	0.05264	0.58430	
NITRATE AS N (NO_3(NO_3-N X 4.43))	NA	0.01613	0.00000	
SiO_3 (SILICON X 2.71)	NA	0.02629	0.00000	
SULFATE	400.000	0.02082	8.32800	
		TOTAL ANIONS		88.2889

CATIONS	RESULT	FACTOR	TOTAL	
CALCIUM	2.200	0.04990	0.10978	
POTASSIUM	3.700	0.02558	0.09465	
MAGNESIUM	1.200	0.08229	0.09875	
SODIUM	2230.000	0.04350	97.00500	
		TOTAL CATIONS		97.30817
		%RPD (<10%)*		-9.72
TOTAL ANIONS/CATIONS	(CALCULATED)	5100.200		
TOTAL DISSOLVED SOLIDS	(ANALYZED)	4800	%RPD (<15%)*	6.06
ELECTRICAL COND.		6770	TDS/EC RATIO (0.65+/-0.10)	0.71

* If either Total Cations or Total Anions <10, then the %RPD Limit is not applicable.

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 12/5/96 PAGE: 1 OF 1

AEN LAB I.D. 612312

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Denver Bearden

COMPANY: PNM
ADDRESS: 603 W E/M
P.O. Box 4750 Farmington, N.M
PHONE: 505-324-3763
FAX:

BILL TO: PNM
COMPANY: 603 W E/M
ADDRESS: Farmington, NM 87401

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	504 EDB ☐ / DBCP ☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	MeOH SCAN 02Y	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	ANION/CATION SCAN 02S	General Chemistry:			Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
Star Lake RO Reject	12/5/96	0945	AQ	-01													X				X										1

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Star Lake
P.O. NO.: 661-2940
SHIPPED VIA: WALK-IN

SAMPLE RECEIPT

NO. CONTAINERS	1
CUSTODY SEALS	Y/N/(NA)
RECEIVED INTACT	Y
BLUE ICE/ICE	N/A

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

DIRECT FROM FIELD

RELINQUISHED BY: 1.
Signature: Gary Cook Time: 1220
Printed Name: Gary Cook Date: 12/05/96
Company: PNM Gas Services

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 1220
Printed Name: H.M. Rydenstein Date: 12/5/96
American Environmental Network (NM), Inc.

DISTRIBUTION: White, Canary - AEN Pink - ORIGINATOR

American Environmental Network
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 12/9 PAGE 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: American Environmental Network
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:
Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)	Metals Scan #024 (see Attached pg)	TOX	TOC	Gen Chemistry	Anion/Cation Scan #025 (see Attached pg)	Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)	TO-14	Gross Alpha/Beta	NUMBER OF CONTAINERS
612312-01	12/5/96	0948	AQ	1					X				X													1

PROJECT INFORMATION

PROJECT NUMBER: 612312
PROJECT NAME: Public Service Co.
QC LEVEL: (STD) IV
(QC REQUIRED) MS MSD BLANK
TAT (STANDARD) RUSH!

DUE DATE: 12/19
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION REQUIRED: [ ] YES [ ] NO

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	2+
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	612631

SAMPLES SENT TO:

SAN DIEGO	
Paragon	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	X

RELINQUISHED BY: 1.
Signature: [signature] Time: 1700
Printed Name: John Caldwell Date: 12/9/96
Albuquerque

RELINQUISHED BY: 2
Signature Time
Printed Name Date
Company

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [signature] Time: 9:50
Printed Name: Eric Braisanen Date: 12/10/96
Company:

Labs San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 12/5/96 PAGE: 1 OF 1

AEN LAB I.D. 612312

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Denver Bearden
COMPANY: PNM
ADDRESS: 603 W E/m
P.O. Box 4750 Farmington, N.M
PHONE: 505-324-3763
FAX:

BILL TO: PNM
COMPANY: 603 W E/m
ADDRESS: Farmington, NM 87401

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	504 EDB / DBCP	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	Metals Scan 624	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Anion/Cation Scan 625	General Chemistry:			Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP Method 1311	Metals		NUMBER OF CONTAINERS
Star Lake RO Reject	12/5/96	0945	AQ	-01													X				X									1

PROJECT INFORMATION
PROJ. NO:
PROJ. NAME: Star Lake
P.O. NO: 661-2940
SHIPPED VIA: Walk-in

SAMPLE RECEIPT

NO. CONTAINERS	1
CUSTODY SEALS	Y/N/(NA)
RECEIVED INTACT	Y
BLUE ICE/ICE	N/A

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
(RUSH) [ ] 24hr [ ] 48hr [ ] 72hr [ ] 1 WEEK (NORMAL) [X]
CERTIFICATION REQUIRED: [ ] NM [ ] SDWA [ ] OTHER
METHANOL PRESERVATION [ ]
COMMENTS: FIXED FEE [ ]
DIRECT FROM FIELD

RELINQUISHED BY: 1.
Signature: Gary Cook Time: 1220
Printed Name: Gary Cook Date: 12/05/96
Company: PNM Gas Services

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature Time
Printed Name Date
Company

RECEIVED BY: (LAB) 2.
Signature: Time: 1220
Printed Name: H M Rubenstein Date: 12/5/96
American Environmental Network (NM), Inc

PNMGS "STAR LAKE" Compressor Station

GW-263

Flat Fee

RECEIVED

FEB - 5 1997

Environmental Bureau
Oil Conservation Division

PNM Gas Services

WORKING FUND DRAFT

PNM4206 3/96

95-27/107

THIS IS A DRAFT

PLEASE PRESENT FOR PAYMENT PROMPTLY - **VOID AFTER 60 DAYS**

LOCATION: Farmington | CODE: 660 | NO. [redacted]

DATE: Feb. 3, 1997 | VENDOR CODE | TAX

Liz Cantor
AUTHORIZED SIGNATURE

PURPOSE: Discharge Plan Flat Fee

PAY THE SUM OF One Thousand Three Hundred Eighty and 00/100 ~ $1,380

TO THE ORDER OF
NMED/Water Quality Management
2040 S. Pacheco
Santa Fe, NM 87505

ENDORSE ON REVERSE SIDE EXACTLY AS SHOWN OPPOSITE

PAYABLE THROUGH
FIRST SECURITY BANK IN ALBUQUERQUE
ALBUQUERQUE, NEW MEXICO

[redacted]

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

January 29, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-753

Mr. Jessie D. Evans
Compression Manager
Public Service Company of New Mexico (PNMGS)
603 W. Elm St.
Farmington, NM 87499

RE: Discharge Plan Fees GW-263
Starlake Compressor Station
McKinley County, New Mexico

Dear Mr. Evans:

On September 23, 1995, PNMGS, received, via certified mail, an approval dated September 18, 1995 from the New Mexico Oil Conservation Division (OCD) for discharge plan GW-263. Each discharge plan has a filing fee and a flat fee as described in WQCC Section 3114 (see **attachment**), the flat fee of $1,380 for the Starlake facility discharge plan GW-263 has not as of this date January 29, 1997 been received by the OCD Santa Fe Division office for GW-263.

PNMGS will submit the $1,380 flat fee in full by March 3, 1997 in order to be in compliance with Water Quality Control Commission Regulation 3114.B.6, or the OCD may initiate enforcement actions which may include fines and/or an order to cease all operations at the facility. Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you have any questions regarding this matter, please contact me at (505)-827-7152 or Mr. Patricio Sanchez at (505) 827-7156.

Sincerely,

Roger Anderson
Environmental Bureau Chief

RCA/pws

xc: Mr. Denny Foust - Aztec District OCD office
attachment

P 288 258 753

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to Mr. EVANS, PNMGS	
Street & Number STARLIGHT Dr 263	
Post Office, State, & ZIP Code Flat Pk.	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

Public Service Company
of New Mexico
603 W. Elm - P.O. Box 4750
Farmington, NM 87499
505 950-1997
Fax 505 325-7365

PNM
Gas Services

December 30, 1996

Mr. Patricio W. Sanchez
Petroleum Engineering Specialist
Environmental Bureau- - OCD
2040 South Pacheco Street
Santa Fe, NM 87505

Dear Mr. Sanchez,

RE: OCD Inspection Reports for GW-263 and GW-254

The inspection of the Animas Compressor Station was completed on October 22, 1996. The inspection report was received on October 30, 1996. In reviewing the report of the Animas Compressor Station there are no issues that need to be addressed by PNM Gas Services. All waste generated at the facility will be non-exempt and will be disposed of by OCD guidelines for non-exempt waste.

The inspection of the Star Lake Compressor Station was completed on October 23 1996. The inspection report was received on October 30, 1996.

The following addresses each issue in the report:

1. Drum Storage
   All drums are properly labeled. All empty drums will be stored properly. Mark Vice is responsible for the labeling of all drums and the proper storage of empty drums. A daily inspection will be performed.
2. Process Area - No Issues
3. Above Ground Tanks:
   A visual inspection of the condensate tank is done once a week. The tank is gauged and the results documented.
4. Above Ground Saddle Tanks: No Issues
5. Tank Labeling:
   All tanks have been checked for proper labels. All tanks are labeled with the correct labels.
6. Below Grade Tank/Sumps
   All below grade sumps are cleaned and inspected yearly and the results are documented and maintained at the facility.
7. Underground Process/Wastewater Lines:
   PNM Gas Services will notify OCD at least 72 hours prior to underground process/wastewater line testing so that the OCD may have the opportunity to witness the testing.
8. Onsite/Offsite Waste Disposal and Storage Practice:
   The facility does not generate Hazardous Waste and no Hazardous Waste number is required.
9. Class V Wells - No Issues

10. Housekeeping:

A preventive maintenance program is in place with daily inspection done in order to be proactive in controlling minor leaks.

11. Spill Reporting

Spill Manual Training is given annually to all employees. All spills are reported immediately to Supervision and the Environmental Department. All spills will be reported by the Environmental Department pursuant to OCD Rule 116 and WQCC 1203 to the OCD District Office.

12. Does the facility have any other potential environmental concerns/issues?

The Reverse Osmosis Unit discharges its by product to the ground and is channeled to a ranchers pond where his livestock is watered. This has been the practice for a number of years. There is an oral agreement PNM Gas Services and the rancher has in order to do this.

The discharge water from the R.O. Unit has been sent to AEN Laboratory in Albuquerque for analysis. The results of the analysis will be sent to the OCD immediately upon receipt of the results by PNM Gas Services

13. Does the facility have any other environmental permits, i.e. SPCC, Storm Water, etc.?

The facility does not require a storm water plan. The facility does have a SPCC plan. The lagoons may have been permitted at one time, but no longer require a permit or inspection by the State.,

The lagoons were inspected by the State Land Office when Star Lake had a resident population of 35. The number of residents at Star Lake currently is about 5.

The lagoons receive only domestic toilet/gray/black water. No industrial effluent is released to the ponds.

If you have any questions, you can contact me at 324-3763.

Sincerely,

Denver Bearden

Denver Bearden
Administrator III
Environmental Services Department

JAN - 3 1997

Oil Conservation Division

cc: Denny Foutz
Jesse Evans
Gerald Crespin
Jean Arya

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

P 288 258 629

September 18, 1996

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to PNMGS - Evans	
Street & Number GW-263 APR.	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, April 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-629

Mr. Jessie D. Evans
Compression Manager
Public Service Company of New Mexico (PNMGS)
603 W. Elm St.
Farmington, NM 87499

RE: Approval of Discharge Plan GW-263
Starlake - Compressor Station
McKinley County, New Mexico

Dear Mr. Evans:

The **discharge plan GW-263 for the PNMGS Starlake Compressor Station** located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated July 31, 1996 from PNMGS, and this approval letter with conditions of approval from OCD dated September 18, 1996. 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 five working days of receipt of this letter.**

The discharge plan application was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission Regulations. Please note Sections 3109.E and 3109.F which provide for possible future amendments or modifications of the plan. Please be advised that the approval of this plan does not relieve **PNMGS** of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment.

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

Please note that Section 3104 of the regulations requires that "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C PNMGS is 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 3109.G.4, this plan is for a period of five (5) years. **This approval will expire September 18, 2001, and an application for renewal should be submitted in ample time before that date.** It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan approval.

The discharge plan for the PNMGS Starlake Compressor Station GW-263 is subject to the WQCC Regulation 3114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty dollars ($50), and a flat fee of one thousand three hundred and eighty dollars ($1,380) for this facility since the horsepower is greater than 3,000.

The $50 filing fee has been received by the OCD. The $1,380 has not been received by the OCD and is due upon receipt of this approval. The flat fee check must be made payable to NMED-Water Quality Management and submitted to the OCD Santa Fe office. The flat fee may be paid in one lump sum or equal annual installments of $276 per year.

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

Sincerely,

William J. LeMay
Director

WJL/ pws

Attachment

xc: Mr. Denny Foust - Environmental Geologist

ATTACHMENT TO DISCHARGE PLAN GW-263
PNMGS - Starlake Compressor Station
DISCHARGE PLAN REQUIREMENTS
(September 18, 1996)

1. **Payment of Discharge Plan Fees**: The $50 filing fee has been received by the OCD. The $1,380 has not been received by the OCD and is due upon receipt of this approval. The flat fee check must be made payable to NMED-Water Quality Management and submitted to the OCD Santa Fe office. The flat fee may be paid in one lump sum or equal annual installments of $276 per year.

2. **PNMGS Commitments:** PNMGS will abide by all commitments submitted in the Application dated July 31, 1996 from PNMGS, and this approval letter with conditions of approval from OCD dated September 18, 1996.

3. **Drum Storage**: All drums containing materials other than fresh water must be stored on an impermeable pad and curb type containment. All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets should also be stored on an impermeable pad and curb type containment.

All drums and chemical containers shall be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.

4. **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.

5. **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 facilities or modifications to existing facilities must place the tank on an impermeable type pad.

6. **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.

7. **Tank Labeling**: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. **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 that do not have secondary containment and leak detection must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks /or sumps.

9. **Underground Process/Wastewater Lines**: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years there after. Companies 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 so that an OCD representative may witness the testing.

10. **Housekeeping**: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

11. **Spill Reporting**: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the Aztec OCD District Office at (505)-334-6178.

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

13. **New Mexico Oil Conservation Division Inspections:** Additional requirements may be placed on the facility based upon results from New Mexico Oil Conservation Division inspections.

14. **Closure:** The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. **Conditions accepted by**:

_____ _____
Company Representative Date

_____
Title

Affidavit of Publication

RECEIVED

AUG 26 1996

Environmental Bureau
Oil Conservation Division

STATE OF NEW MEXICO
) SS
COUNTY OF McKINLEY

RANGEL, LYDIA being duly sworn upon oath, deposes and says:

As LEGAL CLERK of The Independent, a newspaper published in and having a general circulation in McKinley County, New Mexico and in the City of Gallup, New Mexico and having a general circulation in Cibola County, New Mexico and in the City of Grants, New Mexico and having a general circulation in Apache County, Arizona and in the City of St. Johns and in the City of Window Rock, Arizona therein: that this affiant makes this affidavit based upon personal knowledge of the facts herein sworn to. That the publication, a copy of which is hereto attached was published in said newspaper during the period and time of publication and said notice was published in the newspaper proper, and not in a supplement thereof,

for one time, the first publication being on the 16th day of August, 19 96 the second publication being on the _____ day of _____, 19_____ the third publication on the _____ day of _____, 19_____.

and the last publication being on the _____ day of _____, 19_____.

That such newspaper, in which such notice or advertisement was published, is now and has been at all times material hereto, duly qualified for such purpose, and to publish legal notices and advertisements within the meaning of Chapter 12, of the statutes of the State of New Mexico, 1941 compilation.

Lydia Rangel
Affiant.

Sworn and subscribed to before me this 22nd day of August, A.D., 19 96.

Diane Chavez
Notary Public

My commission expires
June 22, 1997

2735 2M BUTLER'S Gallup

LEGAL NOTICE
Santa Fe County
New Mexico

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND
NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505)827-7131:

(GW-263 - Public Service Company of New Mexico, Mr. Jessie D. Evans, (505)324-3722, 603 West Elm St., Farmington, NM, 87499, ahs submitted a Discharge Plan Application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, McKinley County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 58 feet with a total dissolved solids concentration of approximately 1,750 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may be obtain further information form the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharged plan or its modification, the Director of the Oil Conservation Division shall allow least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why the hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 7th day of August, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
/s/ William J. LeMay, Director

Legal #13249 Published in The Independent August 16, 1996.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/31/96

or cash received on ______________ in the amount of $ 50.00

from Environmental Services (for PNM)

for Star Lake Compressor Sta   GW-263
(Facility Name)   (DP No.)

Submitted by: ______________________ Date: __________

Submitted to ASD by: R. [signature] Date: 8/22/96

Received in ASD by: [illegible] Date: [illegible]

Filing Fee X   New Facility ____   Renewal ____

Modification ____   Other ______________
(specify)

Organization Code 521.07   Applicable FY 97

To be deposited in the Water Quality Management Fund.

Full Payment ____ or Annual Increment ____

ENVIRONMENTAL SERVICES, INC.
4665 INDIAN SCHOOL RD. NE, STE. 106 PH. 266-6611
ALBUQUERQUE, NM 87110

[redacted]

DATE 7/31/96   95-32/1070 0109676338

PAY TO THE ORDER OF NM Water Quality Management Fund $ 50.00

Fifty and no/100 ———————— DOLLARS

SUNWEST
SUNWEST BANK OF ALBUQUERQUE, N.A.
ALBUQUERQUE, NEW MEXICO 87125-0500 (505) 765-2600

MEMO Star lake Filing Fee   [signature]

[redacted]

RECEIVED

The Santa Fe New Mexican

Since 1849. We Read You.

NEW MEXICO OIL CONSERVATION
ATTN: SALLY MARTINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 537074
LEGAL NO: 60208
ACCOUNT: 56689
P.O. #: 96199002997

167 LINES once at $ 66.80
Affidavits: 5.25
Tax: 4.50
Total: $ 76.55

Okay to Pay PMS 8-19-96

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a News paper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 60208 a copy of which is hereto attached was published in said newspaper once each week for one consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 14th day of AUGUST 1996 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 14th day of AUGUST A.D., 1996

OFFICIAL SEAL
Candace C. Ruiz
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 4/29/99

Candace C. Ruiz

RECEIVED
AUG 19 1996
Environmental Bureau
Oil Conservation Division

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico, 87505, Telephone (505) 827-7131:

(GW-263) - Public Service Company of New Mexico, Mr. Jessie D. Evans, (505)-324-3722, 603 West Elm St., Farmington, NM, 87499, has submitted a Discharge Plan Application for their Star Lake Compressor Station located in the NW/4, Section 34, Township 20 North, Range 6 West, NMPM, Mckinley County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 58 feet with a total dissolved solids concentration of approximately 1,750 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of July 1996.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
WILLIAM J. LEMAY,
Director
Legal #60208
Pub. August 14, 1996

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 10:10 AM	Date 8-15-96

Originating Party	Other Parties
Pat Sanchez - OCD	Robynn Delap w/ ESI representing PNMGS

Subject: PNMGS - Star Lake and Animas Compressors.

Discussion: Ms. Delap gave me the following address for the "service center" for both facilities:

PNMGS
603 W. Elm
Farmington, NM 8701
505-324-3763

Also, I asked about the 2ndry. containment at Star lake - she said PNMGS had told her that they had berming in compliance w/ 1⅓ requirement now (recent upgrade.)

Conclusions or Agreements

Told Ms. Delap that General permit conditions in permits cover 1⅓ volume - PNMGS will have to sign-off on conditions anyway.

Distribution: Starlake, Animas, File

Signed: Patricia W. Sanchez

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 7th day of August, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

WJL/pws

environmental SERVICES inc.

July 31, 1996

GW-263

Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
PO Box 6429
Santa Fe, NM 87505-6429

Subject: Discharge Plan Application, Star Lake Compressor Station, Rio Arriba County, NM

Dear Mr. Anderson

On behalf of my client, Public Service Company of New Mexico (PNM), I am enclosing two copies of the subject discharge plan application and the application fee. If you have any questions, please don't hesitate to contact me or PNM's Jessie Evans.

Sincerely

Robin K. DeLapp

Robin K. DeLapp

cc: Denny Foust
OCD, Aztec

4665 INDIAN SCHOOL NE
SUITE 106
ALBUQUERQUE
NEW MEXICO
87110
PHO 505 266 6611
FAX 505 266 7738

Application for Groundwater Discharge Plan

Star Lake Compressor Station

GW-263

prepared for

Public Service Company of New Mexico
July 31, 1996

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Revised 12/1/95

Submit Original
Plus 1 Copies
to Santa Fe
1 Copy to appropriate
District Office

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

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

[X] New [ ] Renewal [ ] Modification

1. Type: Star Lake Compressor Station 11,570 hp
2. Operator: Public Service Company of New Mexico

   Address: 603 W. Elm St., Farmington, NM 87499

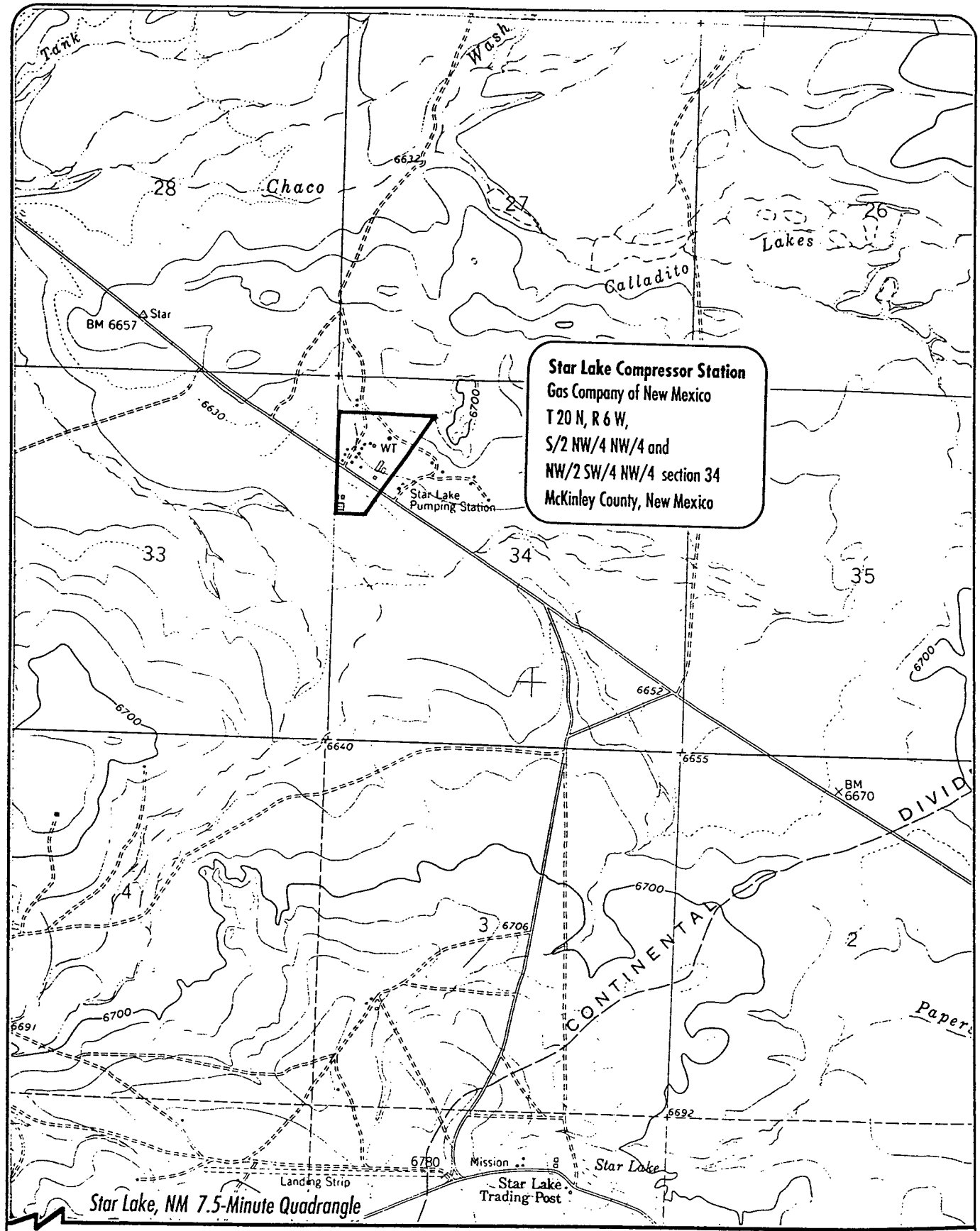
   Contact Person: Jessie D. Evans Phone: 505-324-3722
3. Location: NW /4 _____/4 Section .34 Township 20N Range 6W

   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site. see attached
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. see attached item 4
6. Attach a description of all materials stored or used at the facility. see attached item 5
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. see attached item 6
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. see attached item 7
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. see attached item 8
10. Attach a routine inspection and maintenance plan to ensure permit compliance. see attached item 9
11. Attach a contingency plan for reporting and clean-up of spills or releases. see attached item 10
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. see attached item 11
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. see attached item 12
14. CERTIFICATION see attached item 13

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

NAME: Jessie D. Evans Title: Compression Manager

Signature: Jessie D. Evans Date: 7/8/96



esc

N

0 2000 4000 feet

Location of Star Lake Compressor Station

Item 4

Attach the name, telephone number and address of the landowner of the facility site.

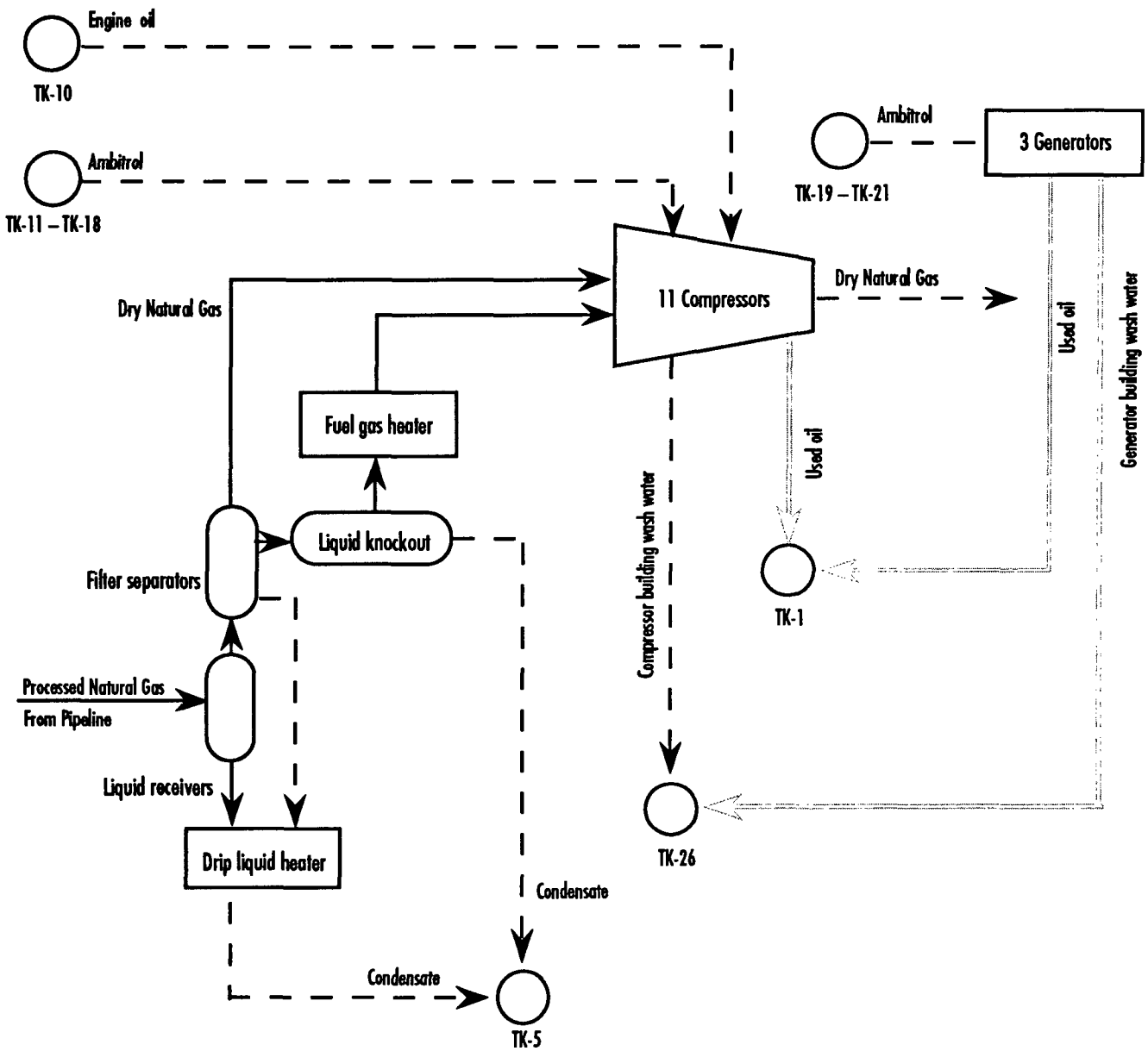
New Mexico State Land Office
Records Management Division
PO Box 1148
Santa Fe, NM 87504-1148
(505) 827-5721

Item 5

Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

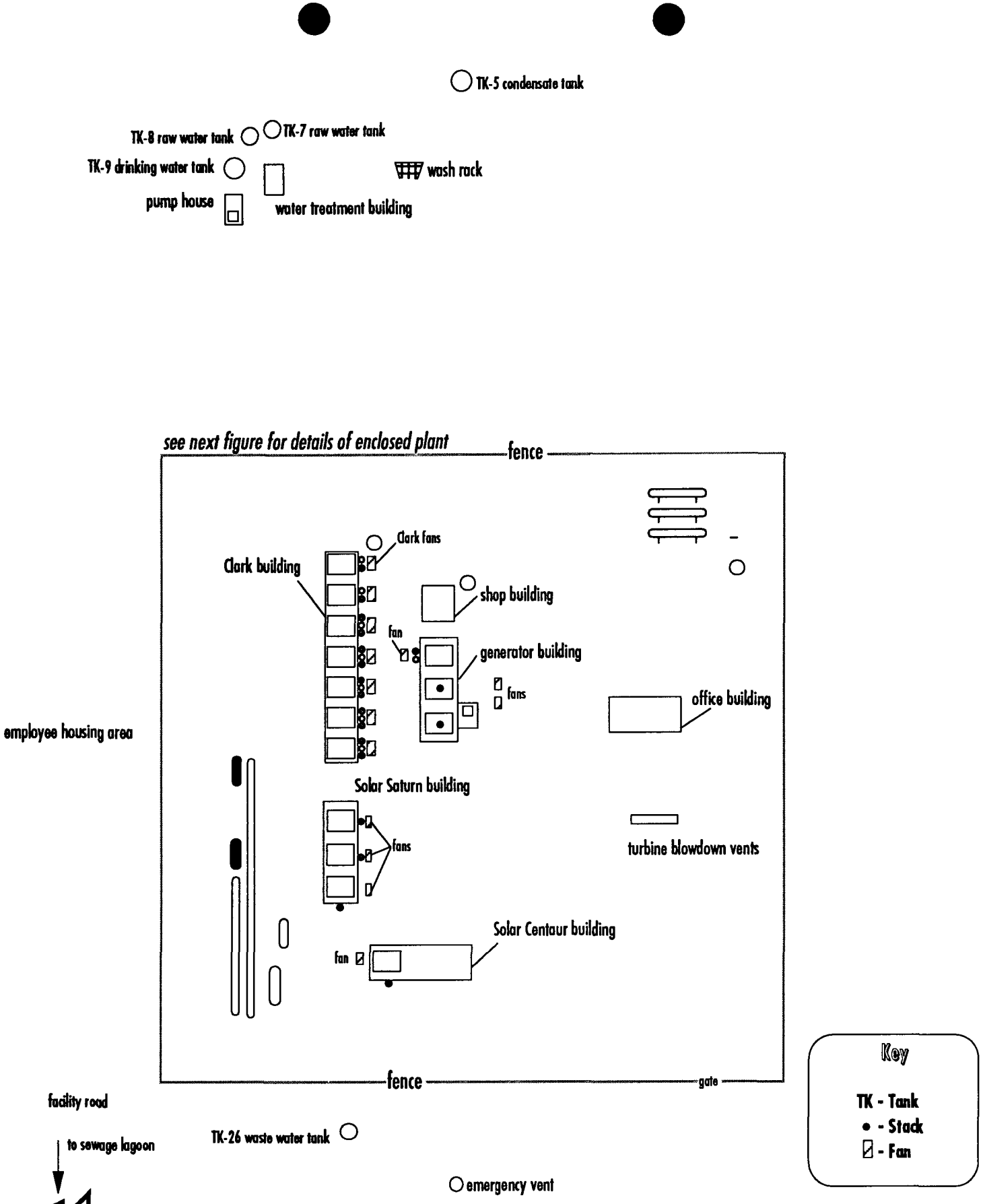
Star Lake is a compressor station located on PNM Gas Services' natural gas transmission system which connects the gathering and process operations in the northwest area of New Mexico with the Albuquerque natural gas distribution system. A simplified process flow diagram is attached (item 5a). Gas entering the station passes through two liquid receivers and two filter separators. The dried gas is then routed through the compressors and then returned to the transmission pipeline. There is a liquid knockout on the fuel gas system. Seven natural-gas-fired compressor engines and four natural-gas-fired turbines are at the facility for a total rated site horsepower (hp) of 11,570 hp. Electricity for the facility and adjacent housing camp is provided by one of three natural-gas-fired generators. Two of the generators are standby units which operate in the event that the 318-hp generator, which operates continuously, shuts down. An equipment list is given below. Two facility layouts are attached. Item 5b is a diagram of the entire site. Item 5c gives details of the portion of the plant enclosed by a fence.

Equipment	ID
Liquid receiver	-
Liquid receiver	-
Drip liquid heater	-
Filter separator	-
Filter separator	-
Liquid knockout	-
Fuel gas heater	-
Compressor	Clark HRA6
Compressor	Clark HRA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Clark RA6
Compressor	Saturn T1001S
Compressor	Saturn T1001S
Compressor	Saturn T1200
Compressor	Centaur T4000
Generator	Ingersoll-Rand
Generator (standby)	Caterpillar G342 SI-TA-SC LCR
Generator (standby)	Wisconsin
Generator (standby)	Caterpillar G343 SI-TA-SC LCR

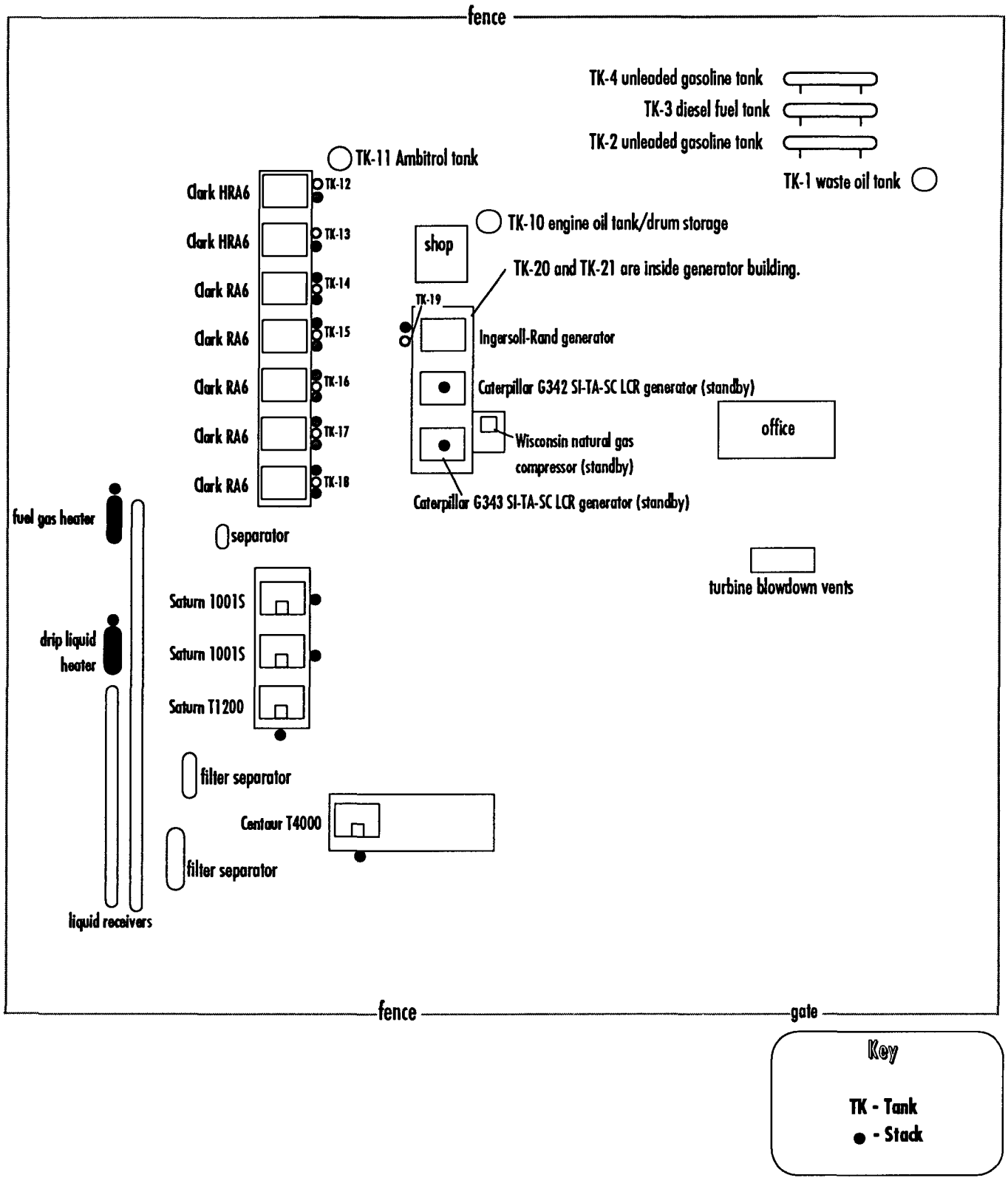


Item 5a

Effluent and Solid Waste Production Diagram



Item 5b
Site Diagram



esc N

Approximate scale

0 50 100 Feet

Item 5c

Site Diagram - Details of Enclosed Plant

Item 6

Attach a description of all materials stored or used at the facility.

Container	*ID*	*Material*	*Form*	*Volume*	*Location*	*Containment*
OTT	TK-1	Used oil	Liquid	2940 gal	East of office	Secondary containment, dirt
AGT-El	TK-2	Unleaded gasoline	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT-El	TK-3	Diesel	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT-El	TK-4	Unleaded gasoline	Liquid	1035 gal	East of office	Secondary containment, galvanized steel/cement
AGT	TK-5	Condensate	Liquid	21,000 gal	North of plant area	Secondary containment, dirt
AGT	TK-7, TK-8	Raw water	Liquid	(2) 4200 gal	NE of water plant	None necessary
AGT	TK-9	Fresh water	Liquid	22,300 gal	NW of water plant	None necessary
AGT-El	TK-10	Engine oil	Liquid	5875 gal	East of shop	Secondary containment, galvanized steel/cement
Drum	—	"		(~15) 55 gal	Under TK-10	Curbed concrete pad
Drum	—	"		(4) 55 gal	Saturn, Centaur, and generator buildings	Building is containment
AGT	TK-11	Ambitrol	Liquid	4200 gal	East of Clark building	Secondary containment, metal, dirt bottom
AGT	TK-12 thru TK-18	"		(7) 415 gal	East of Clark building	See contingency plan belo
AGT	TK-19	"		95 gal	West of generator bldg	See contingency plan belo
AGT	TK-20, TK-21	"		(2) 95 gal	In generator building	Generator building sump
Drum	—	"		55 gal	In TK-11 berm	Graveled berm area
OTT	TK-26	Waste water	Liquid	2600 gal	South of Centaur building on opposite side of road	Secondary containment, dirt
Drum	—	Bio-Solv degreaser		55 gal	Clark building	Building is containment
Drum	—	Simple Green degreaser		55 gal	Clark building	Building is containment
Drum	—	Safety Solvent 140		55 gal	Under TK-10	Curbed concrete pad

AGT - above-ground tank
AGT-El - above-ground tank which is elevated or on a saddle rack
OTT - open top tank

TK-11 is interconnected with TK-12 through TK-21. The connecting valves are manually operated and remain in the closed position unless TK-12 through TK-21 are being filled by TK-11. Therefore, the berm for TK-11 has not been constructed to contain 1.33 times the combined volume of the tanks.

TK-12 through TK-18, located adjacent to the Clark compressor building, and TK-19, located adjacent to the generator building, are situated on concrete pads but not bermed. Due to the close proximity of the tanks to the buildings and process equipment, it is not possible to individually berm these tanks. The terrain between the Clark compressor building and generator building, where the tanks are located, indicate that a running spill from any of the ambitrol tanks would be stopped by either the buildings or paved walk way which protrudes slightly above the ground surface.

TK-1 and TK-26 are below-grade, double-bottomed, tanks situated in earthen pits constructed according to NMOCD Guidelines for the Selection and Installation of Below-Grade Produced Water Tanks (revised 10/91).

Drums stored at the facility are stored on concrete pads in buildings or on outdoor concrete pads with curbs.

Item 7

Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.

Source	*Type of waste*	*Volume/month*	*Quality*
Liquid receivers, filter separators	Hydrocarbon liquids	varies	No additives
Engines	Waste oil Oil filters	~ 100 gal/mo ~ 20/yr	Used motor oil; analysis attached (7a)
Wash Down	Wash down water	300 gal/mo	Water with degreasers, lube oil, and coolant
Filter, rag drain	Waste oil	varies	No additives
Parts washer	Wash down water	varies	Water, trace solvent, and lube oil
Sewage	Sewage	varies	Sewage wastewater
Special waste	Drained filters and rags	varies	No additives

Mobil EM/PA PROGRESSIVE ANALYSIS FOR GAS ENGINES

7a/1

ACCOUNT	PNM GAS SERVICES	UNIT NUMBER	[redacted] NUMBER E30955
MAIL	HCR 79 BOX 15	DIV & TERR #	25 2581 CUSTOMER NUMBER 22A8159
ADDRESS	CUBA NM 87013	STATION NAME	STAR LAKE
		LOCATION	RIO PUERCO
CONTACT	GERALD CRESPIN	PHONE	5056553266 2581

PRODUCT	BRAND/NAME PEGASUS 80	DATE INSTALLED 01/01/52	SYSTEM GALLONS 150		
ENGINE	MAKE INGR-RAND	MODEL PSVG	SERIAL NO. 6APS128	NO. CYLS. 6	
	☐ 2-CYCLE ☒ 4-CYCLE	H.P. 318	RPM 514	☐ EBULLIENT	☐ WATER COOLED
	☒ NAT. ASPIRATED ☐ TURBOCHARGED	☒ CONTINUOUS DUTY	☐ INTERMITTENT SERVICE		
	☐ ENGINE COMPRESSOR ☒ ENGINE GENERATOR	☐ OTHER	☒ NATURAL GAS	☐ OTHER	
FILTER	☐ FULL FLOW MAKE FLO-LINE	MODEL Q-CS-336-C	MATERIAL CLOTH	SIZE	
	☐ BY-PASS (YES or NO) N				
COOLANT	TYPE ETHYLENE GLYCOL	BRAND AMBITROL	INHIBITOR		

LABEL INFORMATION

OPERATING DATA	DATE	SAMPLE TAKEN	07/27/94	10/24/94	11/03/94	02/28/95	[redacted]/95
		SAMPLE RECEIVED	08/01/94	11/01/94	12/07/94	03/06/95	10/23/95
		OF REPORT	08/02/94	11/01/94	12/07/94	03/07/95	10/24/95
	HOURS	TOTAL SINCE NEW					
		SINCE O/H	1034	3875	4619	6298	11214
		SINCE FILTER CHG.	1034	2605	3349	2155	7479
		SINCE OIL CHG.	1034	2605	3349	2155	7479
	TEMP.	OIL AVG. IN/OUT	160 /160	160 /175	152 /160	/155	160 /165
		WATER AVG. IN/OUT	165 /	189 /190	160 /160	/160	164 /157
	MAKE-UP	GAL. SINCE CHG.	0	165	12	34	547
PRODUCT PER LABEL			PEG 80	PEG 80	PEG 80	PEG 80	PEG 80
LABORATORY NUMBER			94158217	94236873	94267625	95054456	95275161

OIL ANALYSIS RESULTS

VISCOSITY @ 100°C	(1)	cSt & LEVEL	13.7 /NORM	15.2 /NORM	14.5 /NORM	14.5 /NORM	16.6 /NORM
WATER	(2)	% VOL & LEVEL	0 /NIL	0.01 /MOD	0 /NIL	0 /NIL	0 /NIL
COOLANT	(3)	% VOL & LEVEL	0 /NIL	0.19 /EXCES	0 /NIL	0 /NIL	0 /NIL
OXIDATION	(4)	A/CM & LEVEL	0 /NIL	2 /LOW	1 /LOW	1 /LOW	13 /LOW
OXIDATION TEND	(5)	LEVEL	NORM	NORM	NORM	NORM	NORM
NITRATION	(6)	A/CM & LEVEL	2 /LOW	6 /LOW	5 /LOW	4 /LOW	25 /LOW
NITRATION TEND	(7)	LEVEL	NORM	NORM	NORM	NORM	MOD
NITRO COMPOUNDS	(8)	A/CM & LEVEL	0 /NIL	0 /NIL	0 /NIL	0 /NIL	3.00 /MOD
COKING	(9)	A/CM & LEVEL	0 /NIL	0 /NIL	0 /NIL	0 /NIL	0 /NIL
INSOLUBLES	(10)	% & LEVEL	0.00 /NIL	0.00 /NIL	0.00 /NIL	- /	- /

ELEMENTAL ANALYSIS RESULTS

SILICON	(11)	PPM & LEVEL	4 /NORM	5 /NORM	3 /NORM	4 /NORM	5 /NORM
IRON	(12)	PPM & LEVEL	9 /NORM	21 /NORM	11 /NORM	7 /NORM	14 /NORM
ALUMINUM	(13)	PPM & LEVEL	2 /NORM	4 /NORM	2 /NORM	1 /NORM	2 /NORM
COPPER	(14)	PPM & LEVEL	6 /NORM	7 /NORM	6 /NORM	4 /NORM	7 /NORM
LEAD	(15)	PPM & LEVEL	5 /NORM	5 /NORM	3 /NORM	0 /NORM	10 /NORM
TIN	(16)	PPM & LEVEL	0 /NORM	1 /NORM	0 /NORM	0 /NORM	1 /NORM
CHROMIUM	(17)	PPM & LEVEL	0 /NORM	0 /NORM	0 /NORM	0 /NORM	0 /NORM
BORON	(18)	PPM & LEVEL	2 /NORM	4 /NORM	2 /NORM	11 /NORM	10 /NORM
POTASSIUM	(19)	PPM & LEVEL	36 /NORM	90 /ABNOR	45 /NORM	16 /NORM	29 /NORM
SODIUM	(20)	PPM & LEVEL	7 /NORM	10 /NORM	7 /NORM	2 /NORM	9 /NORM

TEST RESULTS INTERPRETATION

CONDITION	S, B or U	S	U	S	S	S
OIL ACTION CODES		0	22	0	0	0
ENGINE CONDITION	NORM OR ABNORM	NORM	ABNORM	NORM	NORM	NORM
ENGINE ACTION CODES			3 19			

TURN SHEET OVER FOR ACTION CODES AND EXPLANATIONS

OIL CONDITION: S-SATISFACTORY, B-BORDERLINE, U-UNSATISFACTORY

CO-3609(7-90)

EM/PA FOR GAS ENGINES - ACTION CODES

ACTION CODE	ACTION REQUIRED	SIGNIFICANCE OF EM/PA RESULT	INVESTIGATE/POSSIBLE CAUSES
0	No Engine or Oil Action Required.	All results are within acceptable ranges.	Examine progressive changes or moderate EM/PA results for changing trends
1A	Locate and Correct Cause of Low Viscosity.	Low Viscosity can reduce lubrication protection.	Use of incorrect viscosity grade or incorrect label information provided
1B	Locate and Correct Cause of High Viscosity.	Higher than expected viscosity can reduce cooling of parts; restrict oil flow causing oil starvation and wear.	Oil oxidation due to excessive service; high temperature conditions; considerable oil nitration; appreciable blowby; contamination with insolubles, sludge or glycol.
2	Locate and Eliminate Source of Water. Drain engine crankcase; then refill.	Engine and oil in unsatisfactory condition resulting from higher than expected water which can cause scuffing and wear; sludge and emulsion deposits; short oil filter life.	Cooling system leaks, condensation due to frequent shut downs, low temperature operation, poor crankcase ventilation, outside water contamination.
3	Locate and Eliminate Source of Coolant. Drain and flush engine crankcase; then refill.	Any measurable glycol is extremely thermally unstable; causes very sticky molasses type varnish; can cause oil starvation, engine seizure and failure; short filter life	Cooling system leaks due to cracks, failure of O-rings and gaskets or glycol contaminated fuel. Can occur during engine operation or after engine shutdown.
4	Identify and Correct Causes of Oxidation.	Higher than expected oxidation indicates oil saturation with soluble and/or insoluble oxy-products. Leaves light brown to black varnish; causing ring sticking, blowby, oil consumption and engine wear.	High oil or water temperatures; insufficient oil flow; scale build-up in water jackets; excessive length of service; localized engine hot spots (see Action Code 5), slow glycol leak.
5	Locate and Correct Causes of Hot Spots.	Higher than expected rate of oxidation for this type engine due to localized high engine temperatures. Can cause engine seizure and shut-down; failed bearings, rings and pistons; high wear and scuffing	Stuck or broken piston rings; overheating pistons due to inadequate cooling, cylinder scuffing or detonation; hot bearings due to fatigue or restricted flow; failure of coolant or lubricant flow, unbalanced engine.
6	Identify and Correct Causes of Nitration.	Higher than expected nitration indicates oil saturation with soluble and/or insoluble products of nitrogen oxides reaction with oil film at top of cylinders. Leaves light amber to maroon deposits' causes oil ring plugging, high oil consumption, short filter life, and sludge formations.	Unfavorable operation conditions; low oil temperatures; high air intake temperatures, inadequate ventilation; excessive length of service, high cylinder oil feeds (2-cycle), specifically critical ignition and combustion conditions, improper air-fuel ratios.
7	Locate and Correct Causes of Improper Ignition and Combustion.	Higher than expected rate of nitration for this type engine due to improper ignition and combustion conditions. Can sludge up engine and shorten filter life	Unfavorable air/fuel ratios; uneven fuel/air distribution; poor scavenging; detonation or preignition; unbalanced loads and firing pressure; faulty ignition, spark timing and spark plugs; high blowby, leaking fuel valves, high combustion pressure; engine overloading improper cooling, low oil temperatures, excessive cylinder scrapedown (2-cycle)
8	Locate and Repair Source of Piston Blowby or Other Causes of Nitro Compounds.	Higher than expected nitro compound concentration. Represents unreacted nitrogen oxide gases in oil for this engine. Tends to thicken oil abnormally and causes premature drop-out of varnish and sludge. Evidenced by reddish skirt varnish, lower groove and oil ring sludge.	Piston blowby due to stuck, worn or broken compression rings, scored or "oval" worn liners, exhaust gas leaks into the oil due to high valve guide wear or poor valve sealing; leaking turbocharger seals, critical engine ignition and combustion patterns; length of service
9	Locate and Correct Causes of Oil Coking	Higher than expected coke concentrations indicate oil cracking under excessive heat forming a soluble "build-up" which gradually develops into harder granular carbon. Can cause ring sticking, carbon scratches on liners and shorten engine life.	Inadequate cooling; severe ebullient cooling; local liner overheat due to cavitation; cylinder overheat because of water leaks or jacket water scale; stuck compression rings; cylinder scuff; engine hot spots; severe detonation, overload or load unbalance
10	Locate and Eliminate Sources of Insolubles.	Higher than expected insolubles represent deposit forming oxy, nitrates, soaps, and coke build-up and/or inadequate filtration	Excessive build-up of any combination of oxidation; nitrates; soot coke; and sooty materials. Excessive service life, malfunctioning filters (see 2, 3, 4, 5, 6, 7, 8 & 9).

NOTE FOR ACTION CODES 12-17 (WEAR METALS): The significance of wear varies with the engine model and oil in use. It is affected by engine speed (slow, medium or high), air charging (naturally aspirated, turbo charged) and oil dispersancy. Values should not be examined only by their level (normal, moderate, abnormal). They should be evaluated for trends (increasing, decreasing, gradual, sudden) and engine conditions (idling, overloading, break-in, age of service, etc). The interrelation of metals (copper/lead, chrome/iron, etc.) is often a key to the wearing part and the cause of wear. The interrelation of metals with silicon is a key to determining the source of abrasive dirt and location of abrasive wear

11	Determine and Eliminate Source of Silicon Dirt.	Higher than expected silicon with moderately, or abnormally high wear metals indicates abrasive dirt, but with normal wear metals it indicates the presence of non-abrasive silicon compounds, i.e., defoamants, seal materials, gasket cements, etc.	Inefficient air intake filters, leaks at intake filters or in piping, clogged oil-bath air filtration, poor oil filtration, contamination of "open" engine during overhaul or shutdown, dirty containers or sampling procedures.
12	Identify and Evaluate Components Showing Iron Wear.	Higher than expected iron wear or rust/scale contamination in case of water leaks	Liners, piston rings, gears, valve trains, shafts, pistons of some engines. May be critical wear or due to break-in following overhaul. In case of water leak may represent cooling jacket scale or rust particles.
13	Identify and Evaluate Source of Aluminum.	Higher than expected aluminum level. May represent engine wear or be a component of silicon dirt.	Scuffing, scoring or burning of aluminum pistons, aluminum bearing wear, abrasive dirt contamination.
14	Identify and Evaluate Source of Copper.	Higher than expected copper level, from wear, cooling water leaks or scaling compounds.	Bearing wear, sometimes in conjunction with lead; can be main, connecting rod, piston pin, camshaft or gear support bearings or bushings, oil cooler leaks or sealing compounds.
15	Identify and Evaluate Source of Lead.	Higher than expected lead level. May represent normal flashing wear after overhaul or problem wear.	Babbitt and copper-lead bearings; lead flashings on bearings, anti-seize grease compounds.
16	Identify and Evaluate Component Showing Tin Wear.	Higher than expected tin wear level.	Tin-babbitt bearings, tin flashings on bearings and bushings, tin plating of pistons, thrust washers and certain bushings.
17	Identify and Evaluate Source of Chromium.	Higher than expected chromium level. May represent component of water inhibitor or engine wear	Chrome-plated piston rings or liners, liner and ring scoring and scuffing, leakage of cooling water-treated with chromates (sometimes without evidence of water or glycol).
18	Locate and Repair Source of Boron.	Higher than expected boron level can represent component of water inhibitor or glycol. At normal levels, may represent additive components in certain oils.	Leakage of cooling water treated with borate inhibitors (sometimes without evidence of water or glycol).
19	Locate and Repair Source of Potassium.	Higher than expected potassium level may represent engine coolant leak into engine crankcase.	Cooling system leaks due to cracks or failure of o-rings and gaskets. Can occur either during engine operation or after engine shutdown.
20	Locate and Repair Source of Sodium.	Higher than expected sodium level may represent engine coolant leak into engine crankcase.	Cooling system leaks due to cracks or failure of o-rings and gaskets. Can occur either during engine operation or after engine shutdown.
21	Resample and Recheck Oil Condition ASAP.	Oil borderline, approaching control limits.	Take extra care that recheck sample is taken while engine is runn. still hot.
22	Drain Crankcase Charge and Refill.	Oil has Unsatisfactory Rating exceeding control limits.	Resample at normal interval unless problem is suspected.

Mobil Product Data Sheet

Mobil® Pegasus® 80; 80 Super

Gas Engine Oils

Description

Mobil Pegasus 80 and Mobil Pegasus 80 Super gas engine oils are made from the highest quality selected base stocks to provide excellent oxidation, nitration, and thermal stability, reduced levels of carbon and sludge formation, and longer oil and filter life. The products have superior resistance to foaming, exhibit good demulsibility, and provide protection against corrosion.

The advanced additive technology in Mobil Pegasus 80 and 80 Super is a medium-ash level which exhibits high-ash performance characteristics. Mobil Pegasus 80 Series, therefore, offers outstanding valve face and seat protection, optimized engine cleanliness, and control of deposit formation. The additive system also provides protection against piston scuffing, scoring, and cylinder wear.

Application

Mobil Pegasus 80 is designed to provide the highest level of performance and protection in Caterpillar, Superior, Waukesha, and other turbocharged and naturally aspirated, medium- to high-speed, four-cycle gas engines requiring a medium-ash-level product. It minimizes ash deposits in cooler-combustion, lean-burn engines and in stoichiometric engines showing higher levels of oil consumption. With its low levels of zinc and phosphorus, Mobil Pegasus 80 also can be used in engines equipped with catalytic converters requiring medium ash oils.

Mobil Pegasus 80 can be used in gas engines when alternate energy sources for fuel gas contain low levels of chlorine and sulfur compounds. When sour gas is used as engine fuel, a gas engine lubricant with higher reserve alkalinity may be required. Consult your Mobil technical representative for additional information on lubricant selection and oil-change frequencies.

Mobil Pegasus 80 Super can be used in all the applications described for Mobil Pegasus 80. It is properly applied in four-cycle, medium- and high-speed engines which must start in cold environments. Where superior high-temperature performance must be combined with excellent low-temperature oil flow, Mobil Pegasus 80 Super is the best choice for long engine life.

Advantages

When used as recommended, Mobil Pegasus 80 Series gas engine oils provide the following advantages and benefits:

- Excellent valve guide face and seat protection
- Maximum protection against piston scuffing, scoring, and cylinder liner wear
- Improved engine cleanliness
- Minimum ash deposits in lean-burn and high-oil-consumption gas engines
- Excellent foam and corrosion resistance
- Excellent TBN retention
- Excellent resistance to oxidation and nitration
- Excellent wide-temperature performance with Mobil Pegasus 80 Super

	Mobil Pegasus 80	Mobil Pegasus 80 Super
Product Number	60677-4	60574-1
SAE Number	40	15W-40
Gravity, API	28.0	30.5
Color, ASTM D 1500	5.0	3.0
Pour Point, °C(°F), max	-15 (+5)	-40 (-40)
Flash Point, °C(°F), min	238 (460)	218 (425)
Viscosity, cSt at 40°C cSt at 100°C SUS at 100°F SUS at 210°F	121 13 630 72	111 14.7 575 80
Viscosity Index, min	95	137
Sulfated Ash, wt %	0.48	0.48
TBN, ASTM D 2896	5.3	5.5
CCR, wt % (base stock only)	.04	0.04

GAS COMPANY OF N.M.
ATTN: GERALD CRESPIN
HCR 79, BOX 15

JA NM 87013-9701
Computer-Code-> GASCOO 9

MONITORED MAINTENANCE
Lube Oil Analysis Program
TEST REPORT

Atlanta, GA
(404) 454-8000

Unit No: 9 E
Company: GAS COMPANY OF N.M.
Location: CUBA NM
Component: ENGINE
Make & Model: SOLAR TURBINE N/G
Oil Capacity: 60.0 GAL
Oil Type: CONOCO TURBINE OIL 32

10/4

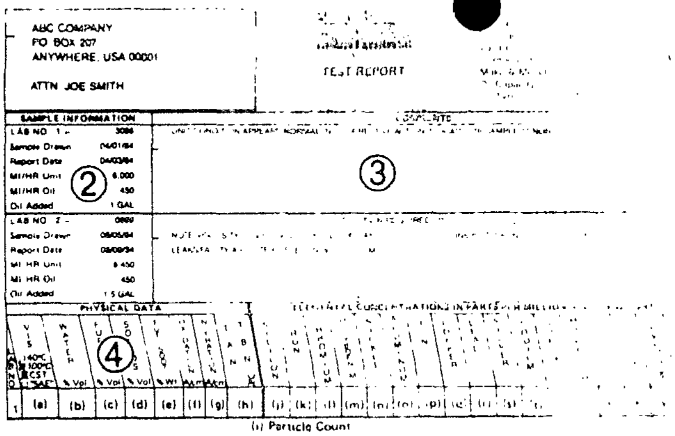
SAMPLE INFORMATION		COMMENTS
LAB NO. 1-	B07164662	ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL. (EVALUATOR-MARK CALLAWAY).
Sample Drawn:	07/08/91	
Report Date:	07/17/91	
MI/HR Unit:	7444	
MI/HR Oil:	26344	
Oil Added:	NORMAL	
LAB NO. 2-	B10166481	ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL. (RESULTS EVALUATED BY MIKE
Sample Drawn:	10/06/91	COSTELLO)
Report Date:	10/17/91	
MI/HR Unit:	7653	
MI/HR Oil:	26553	
Oil Added:	NORMAL	
LAB NO. 3-	C07144977	ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL. (EVALUATOR-MARK CALLAWAY).
Sample Drawn:	07/08/92	
Report Date:	07/22/92	
MI/HR Unit:	11274	
MI/HR Oil:	30147	
Oil Added:	NORMAL	
LAB NO. 4-	D05044533	ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL. (EVALUATOR-MARK CALLAWAY).
Sample Drawn:	04/26/93	
Report Date:	05/05/93	
MI/HR Unit:	12678	
Oil:	1142	
Oil Added:	NORMAL	
LAB NO. 5-	D07216490	ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL. (EVALUATOR-MARK CALLAWAY).
Sample Drawn:	07/04/93	
Report Date:	07/22/93	
MI/HR Unit:	13293	
MI/HR Oil:	1148	
Oil Added:	NORMAL	
LAB NO. 6-	F08140548	PHYSICAL AND WEAR DATA SATISFACTORY. SEE MANUFACTURER'S RECOMMENDATION FOR PARTICLE COUNT. RESAMPLE
Sample Drawn:	08/03/95	AT NORMAL INTERVAL. (RESULTS EVALUATED BY G. DAWSON).
Report Date:	08/23/95	
MI/HR Unit:	20358	
MI/HR Oil:	4756	
Oil Added:	NORMAL	5m=165 15m=37 25m=12 50m=1 100M=0 ISO=15/12

PHYSICAL DATA | ELEMENTAL CONCENTRATIONS IN PARTS PER MILLION (PPM) BY WEIGHT

LAB NO	VIS 100C cSt	WATER % Vol	FUEL % Vol	SOLIDS % Vol	FUEL SOOT % Wt	OXIDATION A/cm	NITRATION A/cm	TAN	SILICON	IRON	CHROMIUM	MOLYBDENUM	NICKEL	ALUMINUM	TIN	COPPER	LEAD	SILVER	SODIUM	BORON	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC
1	5.6	<.05		<.1		---	---		2	0	0	0	0	0	1	0	1	0	1	0	1	4	0	2	6
2	5.9	<.05		<.1		---	---		12	0	0	0	0	0	1	0	0	0	0	0	0	0	3	4	7
3	5.6	<.05		<.1		---	---		0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	7
4	6	<.05		<.1		---	---		1	0	0	0	1	0	3	0	0	0	1	0	0	0	0	0	2
5	5.6	<.05		<.1		1	1		0	0	0	0	0	0	5	0	0	0	1	0	0	1	0	0	4
6	5.1	<.05		---		2	0	.07	0	0	0	0	1	0	7	0	0	0	0	0	0	4	9	1	2

Abnormal values are coded to indicate degree of severity.
3 = Slightly above normal. Requires monitoring.
C = High value. Normally requires corrective action or validation
D = Severe abnormality indicated. Requires immediate corrective action

The validity of comments/recommendations is dependent on accurate, complete sample information and representative oil sample



(1.) UNIT INFORMATION — This section lists the identification number of the unit sampled. The name of the company that operates the unit and the unit's geographic location are provided. ... equipment manufacturer, model, oil capacity and oil type ... here. Unit information is supplied by the customer.

(2.) ... the date the ... received ... "UNIT" ... OIL" ... of service ... lubricant ... "Oil Added" is the quantity ... added to ... system ... oil change.

Explanation of Oil Analysis ...

The following is a brief explanation of the routine oil analyses provided by the lab. For more detailed explanations, ask for the Training Manual related to interpreting test data.

PHYSICAL DATA

(a) **Viscosity** — indicates whether the lubricant has thickened or thinned excessively due to contamination or oxidation. Other tests indicate the cause of viscosity changes. (See VIS, equivalent chart)

(b) **Water,** % volume - can rust lubricated parts, promote degradation and impair the oil's lubricating and other qualities. ... water down to 0.05%. An optional test ... stituted when greater accuracy ... necessary.
  (b-1) Coolant — Up to four separate ... indicators to detect ... coolant contamination are used.

(c) **Fuel,** % volume — Percent fuel contamination in the oil sample ... dilution impairs the oil's lubricating qualities and is indicative ... operational or maintenance defect.

(d) **Solids,** % volume — measures the amount of solid and ... contaminants in the oil sample. Contaminants measured ... mental debris, system generated material and oil oxidation p...

(e) **Fuel Soot,** % weight — an excellent indicator of combustion ... diesel engines. The test measures fuel soot specifically and ... solids or insolubles.

(f) **Oxidation,** A/cm — the quantity of oxidation products ... direct measurement of oil serviceability. Infrared analysis ... *only method of measuring these products directly*

(g) **Nitration,** A/cm — nitration products are formed during the ... tion process in engines. The products are highly corrosive ... oil oxidation. Infrared analysis represents the only method ... these products directly

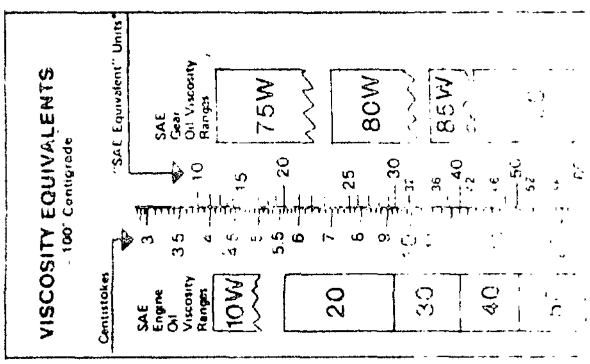
(h) TAN/TBN
Total Acid Number (TAN) — the higher the TAN the greater the ... *for corrosive wear (in most cases). The test measures the* ... titratable acid or acid-like material in the oil. By plotting a series ... oil from a component, trends develop which indicate serviceab...
Total Base Number (TBN) — the ... the TBN, the great... neutralize strong acids formed ... combustion ... measures the quantity of chemically ... in ... sant, alkaline oils.

(i) **Particle Count** (not shown above) — ... hydraulic and other systems. The lab reports ... nants code and the number of particles present ... size range ...

(3.) ... displayed ... bottom ...

... hydraulic component manufacturer.

SPECTROGRAPHIC (ELEMENTAL) ANALYSIS — reports ... or more elements present in the oil sample. The lab utilizes ... and atomic absorption spectro... ... nts can be ... into three ...



UNITED TESTING GROUP ...
1775-A CORTLAND COURT
ADDISON, IL 60101
(800) 824-1461
(708) 691-8096
(708) 691-0156 FAX

GAS COMPANY OF NEW MEXICO
ATTN: GERALD CRESPIN
R 79, BOX 15
BA , NM, 87013-9701

MONITORED MAINTENANCE
Lube Oil Analysis Program
TEST REPORT

Atlanta, GA
(404) [illegible]

Unit No:
Company:
Location: [illegible]
Component: ENGINE
Make & Model: CLARK RA
Oil Capacity: 170 GALS
Oil Type: CONOCO [illegible] MAR

7/6

SAMPLE INFORMATION		COMMENTS
LAB NO. 1-	D05044528	ANALYSES INDICATE NORMAL CONDITION [illegible] INTERVAL. (EVALUATOR-MARK CALLAWAY)
Sample Drawn:	04/21/93	
Report Date:	05/05/93	
MI/HR Unit:	10,557	
MI/HR Oil:	5,607	
Oil Added:	NORMAL	
LAB NO. 2-	E01070175	ANALYSES INDICATE NORMAL CONDITION. [illegible] INTERVAL (RESULT EVALUATED BY MIKE COSTELLO)
Sample Drawn:	12/14/93	
Report Date:	01/10/94	
MI/HR Unit:	11,473	
MI/HR Oil:	6,523	
Oil Added:	NORMAL	
LAB NO. 3-		
Sample Drawn:		
Report Date:		
MI/HR Unit:		
MI/HR Oil:		
Oil Added:		
LAB NO. 4-		
Sample Drawn:		
Report Date:		
MI/HR Unit:		
MI/HR Oil:		
Oil Added:		
LAB NO. 5-		
Sample Drawn:		
Report Date:		
MI/HR Unit:		
MI/HR Oil:		
Oil Added:		
LAB NO. 6-		
Sample Drawn:		
Report Date:		
MI/HR Unit:		
MI/HR Oil:		
Oil Added:		

PHYSICAL DATA / ELEMENTAL CONCENTRATIONS IN PARTS PER MILLION (PPM) BY WEIGHT

LAB NO	VIS 100 C CST	WATER % Vol	FUEL % Vol	SOLIDS % Vol	FUEL SOOT % Wt	OXIDATION A/cm	NITRATION A/cm	SILICON	IRON	CHROMIUM	MOLYBDENUM	NICKEL	ALUMINUM	TIN	COPPER	LEAD	SILVER	SODIUM	BORON	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC
1	12.8	<.05	---	<.1				5	6	0	0	0	0	5	7	2	0	2	62	22	24	0	315	380
2	12.6	<.05	---	<.1		---	---	4	5	0	0	0	0	3	14	2	0	2	41	27	29	0	565	[illegible]
3																								
4																								
5																								
6																								

Abnormal values are coded to indicate degree of severity.
B = Slightly above normal. Requires monitoring C = High value. Normally requires corrective action or validation D = Severe abnormality indicated. Requires immediate [illegible]

The validity of comments/recommendations is dependent on accurate, complete sample information and representative oil sample

Item 8

Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Type of waste	*Collection*	*Storage*	*Hauled by*	*Disposal*
Used oil	Drained into 55-gal drums	TK-1	Mesa Oil	Mesa Oil removes to its facility for recycling
Waste water	Above ground pipe, manual transport	TK-26	an approved trucking company	TnT surface disposal facility
Solid waste	None onsite	Trash receptacle	PNM hauls to Southwest Services dumpster	Rio Rancho Landfill
Special waste (used filters)	Drained into TK-1	Special receptacle	Waste Management	Rio Rancho Landfill

TnT Construction Inc., Rio Arriba County, NM, OGRID#22099, 505-774-6663
Mesa Oil Company, 20 Lucero Dr., Belen, NM 87002, EPA ID#NM0000096024, 1-800-873-3645
Waste Management, Rio Rancho Landfill, 402 Industrial Park Loop, Rio Rancho, NM, 505-892-1200

Item 9

Attach a description of proposed modifications to existing collection/treatment/disposal systems.

Star Lake Compressor station is in compliance with NMOCD discharge plan requirements; therefore, no modifications to the facility are required.

Item 10

Attach a routine inspection and maintenance plan to ensure permit compliance.

Star Lake is continuously operated and is manned eight hours per day. The station is equipped with alarms which will notify employees in the adjacent housing camp or the designated on-call operator of an emergency. The site is inspected daily by facility personnel. Inspection and maintenance will be performed according to the guidelines set forth in the Star Lake Spill Prevention, Control, and Countermeasure (SPCC) Plan.

In addition to the regular inspections, TK-11 and TK-5 will be cleaned out and visually inspected every five years as they are not situated on impermeable pads. PNM will also perform pressure testing on the underground waste water and condensate lines within five years of plan approval. A testing plan and timetable will be submitted to the NMOCD for approval six months prior to testing.

Pressure testing has recently been conducted for the wastewater lines. Results are attached (item 10a).

PNM - GAS SERVICES
STAR LAKE CORRESPONDENCE

7/24/96

SUBJECT: HYDROSTATIC TEST OF WASTE WATER DRAIN LINE

On this date a Hydrostatic test of the Waste Water Drain Line was performed.

- The outlet of this line was capped with a four inch PVC cap.
- All inlets to this line were filled with water to a level above the inlet. All water levels were marked and noted.
- The water level was monitored.
- The water level dropped, indicating a leak on the system.
- A leak was found on the lower end of the system. A cleanout had been installed at this point sometime in the past. The top of the clean out had been broken off and never properly repaired.
- The leak was repaired.
- The Hydrostatic test was repeated.
- The water levels were monitored for four hours.
- There were no additional leaks indicated.

The water level at each of the inlets remained constant for the four hours of the test.

CONCLUSION:
The Waste Water Drain Line does not leak. No waste liquids can enter the soil by way of this line.

CERTIFIED BY: S. Mark Vice **DATE:** 7/24/96

PNM - GAS SERVICES
STAR LAKE CORRESPONDENCE

6/04/96

SUBJECT: PRESSURE TEST OF DRIP LIQUID SYSTEM LINES

On this date a Pressure test of the Drip System Lines was performed.

- The outlet valve at the Drip Liquid Tank was greased and then closed.
- A Pressure Gauge was installed on the Drip Liquid Line at the Liquid Knockout Bottle.
- The Automatic Dump Lines from each inlet were closed.
- The Drip Liquid Line was pressurized from the Manual Dump Valve on #1 Filter Separator, to 100 psi.
- The pressure was monitored for a period of four hours.

The pressure level dropped a total of 3 psi. during the test period. I soap tested the exposed fittings on this line and found a small leak on the Manual Dump Line on #2 Filter Separator. I tightened the fitting.

CONCLUSION:
The Drip Liquid Line does not leak. No Drip Liquids can enter the soil by way of this line.

CERTIFIED BY: S. Mark Vice **DATE:** 6/04/96

S. Mark Vice

Item 11

Attach a contingency plan for reporting and clean-up of spills or releases.

Two types of leaks or spills could occur at the facility.

- Leaks from effluent line malfunction
- Spills during oil and filter changes or when the wastewater tank (TK-26) is emptied.

PNM will handle all spills as required by the Star Lake SPCC Plan. A spill response flowchart is attached (item 11a). Spills and leaks will be reported according to the requirements of the state of New Mexico found in NMOCD Rule 116 and 20 NMAC 6.2.1203. Copies of these regulations are attached (item 11b).

Since Star Lake is located downstream from processing plants, it is considered to be a transmission facility. Therefore, since Star Lake effluent streams are not associated with the exploration, development, or production of natural gas, the waste streams at the facility are non-exempt wastes (*Crude Oil and Natural Gas Exploration and Production Wastes: Exemption from RCRA Subtitle C Regulation*, Environmental Protection Agency, May 1995). Accordingly, in the event of a spill of a reportable quantity of a RCRA hazardous material, PNM will notify the NMED Hazardous and Radioactive Materials Bureau in addition to the NMOCD.

Star Lake Compressor Station

Spill Response Procedures

These procedures should be reviewed on a regular basis by Star Lake personnel. **In the event of a spill, facility personnel should immediately follow the guidelines set forth in this section.**

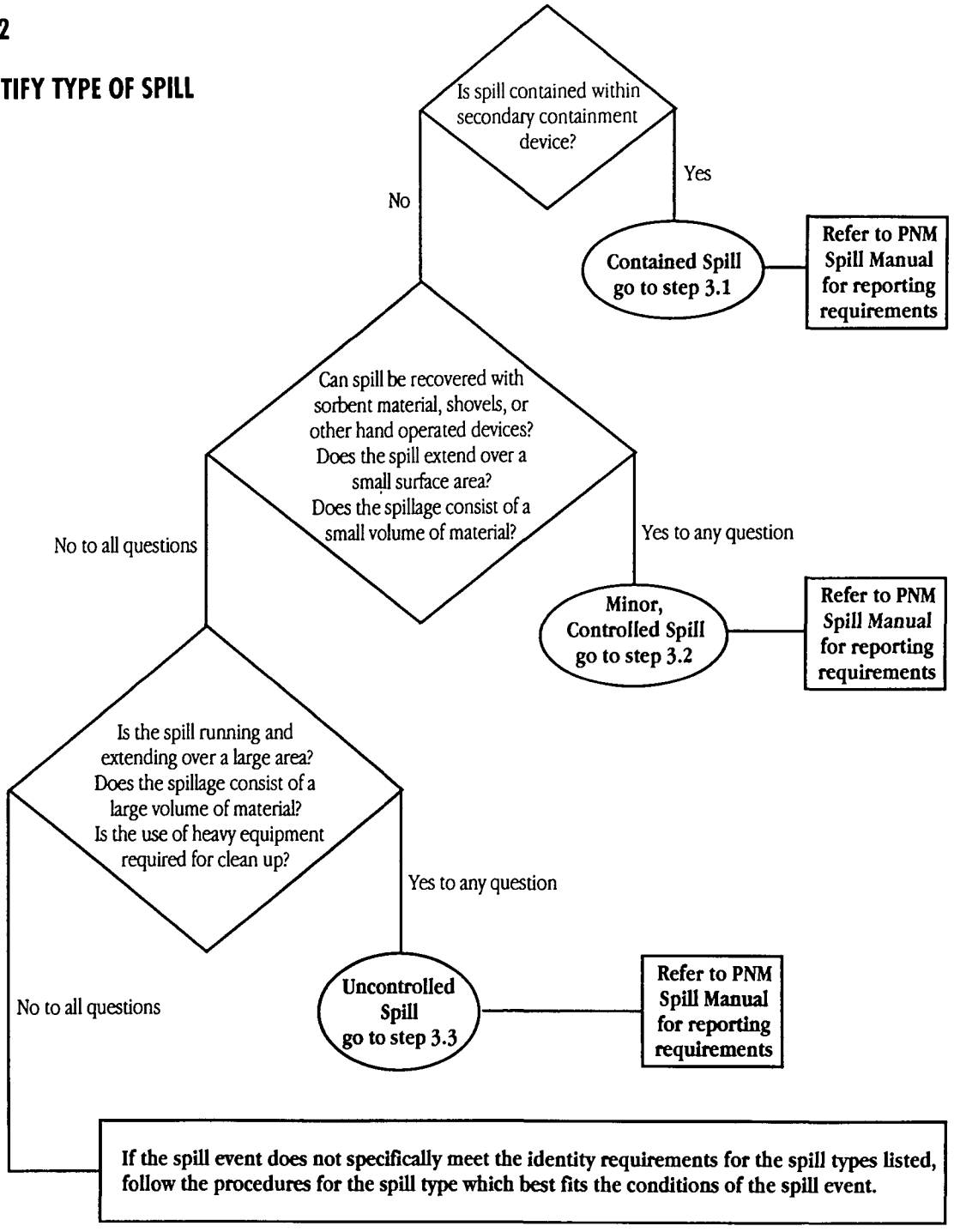
According to the OSHA Hazardous Communication Program, employers are required to provide Material Safety Data Sheets (MSDS) to employees for chemicals used and stored at facilities. Star Lake personnel should review the MSDS for the various oils used and stored at the station to familiarize themselves with the chemical properties of the oils. MSDS are an important part of spill response/ they provide health and reactivity data on substances. Therefore, it is necessary that facility personnel review the MSDS prior to a spill event to ensure their health and safety while responding to a spill event. MSDS for on-site substances should be kept in a location accessible to all facility and emergency response personnel.

Step 1
STOP SPILL

- Identify source.
- Stop source—Close necessary valves and pumps.
- Seal necessary equipment.

Step 2

IDENTIFY TYPE OF SPILL



Step 3
CONTAINMENT AND CLEAN UP

3.1

Contained Spill

- Inspect containment area for seepage and leaks - repair if necessary.

- **Small volume of material**

  Remove material with shovel.

  or

  Add water to the containment area and pump material into drums or storage tanks for disposal.

  or

  Add water to the containment area and skim oils from the surface of the water. Place recovered material into drums or storage tanks for disposal. Allow water to evaporate.

- **Large volume of material**

  Remove material with pumps and store in drums or storage tanks for disposal.

3.2

Minor, Controlled Spill

- Stop the flow of material with sorbent materials or construct small earthen berms.

- Recover spilled material with sorbent materials or shovels and place in drums or storage tanks for disposal.

- Remove contaminated soil or other ground surfaces from the spill site and place into appropriate containers for off site disposal. If an OCD-approved land farm is located on site, place contaminated soils there.

3.3

Uncontrolled Spill

- Stop the flow of material by creating low areas in the terrain ahead of the spill in order to collect the material. Most often, this will require the use of backhoes or other similar equipment. It may be necessary to rent equipment and skilled operators from the nearest town.

- Follow the clean up guidelines established in 3.1 for large volume spills.

- If the spill has contaminated a large amount of soil, excavate the contaminated area. If there is not an on site land farm, follow these procedures.

  Pile the soil removed from the excavation on site.
  Line the excavation with an impermeable liner.
  Place soil back in excavation.
  Wash the soil using high pressure hoses.
  Skim oils off the surface of the water.
  Place recovered material into drums or storage tanks for disposal.
  Pump remaining water into drums or tanks or allow to evaporate.

RULE 113. - SHOOTING AND CHEMICAL TREATMENT OF WELLS (as of 3-1-91)

If injury results to the producing formation, injection interval, casing or casing seat from shooting, fracturing, or treating a well and which injury may create underground waste or contamination of fresh water, the operator shall give written notice to the Division within five (5) working days and proceed with diligence to use the appropriate method and means for rectifying such damage. If shooting, fracturing, or chemical treating results in irreparable injury to the well the Division may require the operator to properly plug and abandon the well.

RULE 114. - SAFETY REGULATIONS (as of 3-1-91)

A. All oil wells shall be cleaned into a pit or tank, not less than 40 feet from the derrick floor and 150 feet from any fire hazard. All flowing oil wells must be produced through an oil and gas separator of ample capacity and in good working order. No boiler or portable electric lighting generator shall be placed or remain nearer than 150 feet to any producing well or oil tank. Any rubbish or debris that might constitute a fire hazard shall be removed to a distance of at least 150 feet from the vicinity of wells and tanks. All waste shall be burned or disposed of in such manner as to avoid creating a fire hazard.

B. When coming out of the hole with drill pipe, drilling fluid shall be circulated until equalized and subsequently drilling fluid level shall be maintained at a height sufficient to control subsurface pressures. During course of drilling blowout preventers shall be tested at least once each 24-hour period.

RULE 115. - WELL AND LEASE EQUIPMENT (as of 3-1-91)

A. Christmas tree fittings or wellhead connections shall be installed and maintained in first class condition so that all necessary pressure tests may easily be made on flowing wells. On oil wells the Christmas tree fittings shall have a test pressure rating at least equivalent to the calculated or known pressure in the reservoir from which production is expected. On gas wells the Christmas tree fittings shall have a test pressure equivalent to at least 150 percent of the calculated or known pressure in the reservoir from which production is expected.

B. Valves shall be installed and maintained in good working order to permit pressures to be obtained on both casing and tubing. Each flowing well shall be equipped to control properly the flowing of each well, and in case of an oil well, shall be produced into an oil and gas separator of a type generally used in the industry.

(Due to be Rev'sed - Still current 6/96)

RULE 116. - NOTIFICATION OF FIRE, BREAKS, LEAKS, SPILLS AND BLOWOUTS (as of 3-1-91)

A. The Division shall be notified of any fire, break, leak, spill, or blowout occurring at any injection or disposal facility or at any oil or gas drilling, producing, transporting, or processing facility in the State of New Mexico by the person operating or controlling such facility.

B. "Facility," for the purpose of this rule, shall include any oil or gas well, any injection or disposal well, and any drilling or workover well; any pipe line through which crude oil, condensate, casinghead or natural gas, or injection or disposal fluid (gaseous or liquid) is gatbered, piped, or transported (including field flow-lines and lead-lines but not including natural gas distribution systems); any receiving tank, holding tank, or storage tank, or receiving and storing receptacle into which crude oil, condensate, injection or disposal fluid, or casinghead or natural gas is produced, received, or stored; any injection or disposal pumping or compression station including related equipment; any processing or refining plant in which crude oil, condensate, or casinghead or natural gas is processed or refined; and any tank or drilling pit or slush pit associated with

oil or gas well or injection or disposal well drilling operations or any tank, storage pit, or pond associated with oil or gas production or processing operations or with injection or disposal operations and containing hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, or other deleterious chemicals or harmful contaminants.

C. Notification of such fire, break, leak, spill, or blowout shall be in accordance with the provisions set forth below:

(1) Well Blowouts. Notification of well blowouts and/or fires shall be "immediate notification" described below. ("Well blowout" is defined as being loss of control over and subsequent eruption of any drilling or workover well, or the rupture of the casing, casinghead, or wellhead or any oil or gas well or injection or disposal well, whether active or inactive, accompanied by the sudden emission of fluids, gaseous or liquid, from the well.)

(2) "Major" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 25 or more barrels of crude oil or condensate, or 100 barrels or more of salt water, none of which reaches a watercourse or enters a stream or lake; breaks, spills, or leaks in which one or more barrels of crude oil or condensate or 25 barrels or more of salt water does reach a watercourse or enters a stream or lake; and breaks, spills, or leaks of hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, gases, or other deleterious chemicals or harmful contaminants of any magnitude which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" described below.

(3) "Minor" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 5 barrels or more but less than 25 barrels of crude oil or condensate, or 25 barrels or more but less than 100 barrels of salt water, none of which reaches a watercourse or enters a stream or lake, shall be "subsequent notification" described below.

(4) "Gas Leaks and Gas Line Breaks. Notification of gas leaks from any source or of gas pipe line breaks in which natural or casinghead gas of any quantity has escaped or is escaping which may with reasonable probability endanger human health or result in substantial damage to property shall be "immediate notification" described below. Notification of gas pipe line breaks or leaks in which the loss is estimated to be 1000 or more MCF of natural or casinghead gas but in which there is no danger to human health nor of substantial damage to property shall be "subsequent notification" described below.

(5) Tank Fires. Notification of fires in tanks or other receptacles caused by lightning or any other cause, if the loss is, or it appears that the loss will be, 25 or more barrels of crude oil or condensate, or fires which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" as described below. If the loss is, or it appears that the loss will be at least 5 barrels but less than 25 barrels, notification shall be "subsequent notification" described below.

(6) Drilling Pits, Slush Pits, and Storage Pits and Ponds. Notification of breaks and spills from any drilling pit, slush pit, or storage pit or pond in which any hydrocarbon or hydrocarbon waste or residue, strong caustic or strong acid, or other deleterious chemical or harmful contaminant endangers human health or does substantial surface damage, or reaches a watercourse or enters a stream or lake in such quantity as may with reasonable probability endanger human health or result in substantial damage to such watercourse, stream, or lake, or the contents thereof, shall be "immediate notification" as described below. Notification of breaks or spills of such magnitude as to not endanger human health, cause substantial surface damage, or result in substantial damage to any watercourse, stream, or lake, or the contents thereof, shall be "subsequent notification" described below, provided however, no notification shall be required where there is no threat of any damage resulting from the break or spill.

(7) IMMEDIATE NOTIFICATION. "Immediate Notification" shall be as soon as possible after discovery and shall be either in person or by telephone to the district office of the Division district in which the incident occurs, or if the incident occurs after normal business hours, to the District Supervisor, the Oil and Gas Inspector, or the Deputy Oil and Gas Inspector. A complete written report ("Subsequent Notification") of

the incident shall also be submitted in DUPLICATE to the appropriate district office of the Division within ten days after discovery of the incident.

(8) SUBSEQUENT NOTIFICATION. "Subsequent Notification" shall be a complete written report of the incident and shall be submitted in duplicate to the district office of the Division district in which the incident occurred within ten days after discovery of the incident.

(9) CONTENT OF NOTIFICATION. All reports of fires, breaks, leaks, spills, or blowouts, whether verbal or written, shall identify the location of the incident by quarter-quarter, section, township, and range, and by distance and direction from the nearest town or prominent landmark so that the exact site of the incident can be readily located on the ground. The report shall specify the nature and quantity of the loss and also the general conditions prevailing in the area, including precipitation, temperature, and soil conditions. The report shall also detail the measures that have been taken and are being taken to remedy the situation reported.

(10) WATERCOURSE, for the purpose of this rule, is defined as any lake-bed or gully, draw, stream bed, wash, arroyo, or natural or man-made channel through which water flows or has flowed.

RULE 117. - WELL LOG, COMPLETION AND WORKOVER REPORTS (as of 3-1-91)

Within 20 days after the completion of a well drilled for oil or gas, or the recompletion of a well into a different common source of supply, a completion report shall be filed with the Division on Form C-105. For the purpose of this rule, any hole drilled or cored below fresh water or which penetrates oil- or gas-bearing formations or which is drilled by an "owner" as defined herein shall be presumed to be a well drilled for oil or gas.

RULE 118. - HYDROGEN SULFIDE GAS - PUBLIC SAFETY (as of 3-1-91)

A. The intent of this rule is to provide for the protection of the public's safety in areas where hydrogen sulfide (H_2S) gas in concentrations greater than 100 parts per million (PPM) may be encountered.

B. Producing operations should be conducted with due consideration and guidance from American Petroleum Institute (API) publication "Conducting Oil and Gas Production Operations Involving Hydrogen Sulfide" (RP-55). The operator of a lease producing, or a gas processing plant handling H_2S or any other related facility where H_2S gas is present in concentrations of 100 PPM or more shall take reasonable measures to forewarn and safeguard persons having occasion to be on or near the property. In addition to training operator's employees in H_2S safety such measures may include, but are not necessarily limited to, posting of warning signs, fencing of surface installations, installation of safety devices and wind direction indicators, and maintaining tanks, thief hatches and gaskets, valves and piping in condition so as to prevent avoidable loss of vapors. Where release of hydrogen sulfide is unavoidable, the operator shall burn or vent the gas stream in such a manner as to avoid endangering human life.

C. Wells drilled in known H_2S gas producing areas, or where there is substantial probability of encountering H_2S gas in concentrations of 100 PPM or more, should be planned and drilled with due regard to and guidance from API RP-49 "Recommended Practices for Safe Drilling of Wells Containing Hydrogen Sulfide", latest edition. Wells completed and serviced by well servicing units where there is substantial probability of encountering H_2S gas in concentrations of 100 PPM or more should be worked on with due regard to the latest industry accepted practices. These practices may include, but are not necessarily limited to, the proper training of personnel in H_2S safety and the use of H_2S safety equipment as listed for safe operations by the American Petroleum Institute draft report for "Land, Oil and Gas Well Servicing and Workover Operations Involving Hydrogen Sulfide."*

B. Plans, specifications and reports required by this Section, if related to facilities for the production, refinement and pipeline transmission of oil and gas, or products thereof, shall be filed instead with the Oil Conservation Division. [1-4-68, 12-1-95]

C. Plans and specifications required to be filed under this Section must be filed prior to the commencement of construction. [9-3-72]

1203. NOTIFICATION OF DISCHARGE--REMOVAL.

A. With respect to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, the following notifications and corrective actions are required: [2-17-74, 12-24-87]

1. As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, any person in charge of the facility shall orally notify the Chief of the Ground Water Protection and Remediation Bureau of the department, or his counterpart in any constituent agency delegated responsibility for enforcement of these rules as to any facility subject to such delegation. To the best of that person's knowledge, the following items of information shall be provided:

a. the name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility;

b. the name and address of the facility;

c. the date, time, location, and duration of the discharge;

d. the source and cause of discharge;

e. a description of the discharge, including its chemical composition;

f. the estimated volume of the discharge; and

g. any actions taken to mitigate immediate damage from the discharge.
[2-17-74, 2-20-81, 12-24-87, 12-1-95]

2. When in doubt as to which agency to notify, the

person in charge of the facility shall notify the Chief of the Ground Water Protection and Remediation Bureau of the department. If that department does not have authority pursuant to commission delegation, the department shall notify the appropriate constituent agency. [12-24-87, 12-1-95]

3. Within one week after the discharger has learned of the discharge, the facility owner and/or operator shall send written notification to the same department official, verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification. [12-24-87]

4. The oral and written notification and reporting requirements contained in this Subsection A are not intended to be duplicative of discharge notification and reporting requirements promulgated by the Oil Conservation Commission (OCC) or by the Oil Conservation Division (OCD); therefore, any facility which is subject to OCC or OCD discharge notification and reporting requirements need not additionally comply with the notification and reporting requirements herein. [2-17-74, 12-24-87]

5. As soon as possible after learning of such a discharge, the owner/operator of the facility shall take such corrective actions as are necessary or appropriate to contain and remove or mitigate the damage caused by the discharge. [2-17-74, 12-24-87]

6. If it is possible to do so without unduly delaying needed corrective actions, the facility owner/operator shall endeavor to contact and consult with the Chief of the Ground Water Protection and Remediation Bureau of the department or appropriate counterpart in a delegated agency, in an effort to determine the department's views as to what further corrective actions may be necessary or appropriate to the discharge in question. In any event, no later than fifteen (15) days after the discharger learns of the discharge, the facility owner/operator shall send to said Bureau Chief a written report describing any corrective actions taken and/or to be taken relative to the discharge. Upon a written request and for good cause shown, the Bureau Chief may extend the time limit beyond fifteen (15) days. [12-24-87, 12-1-95]

7. The Bureau Chief shall approve or disapprove in writing the foregoing corrective action report within thirty (30) days of its receipt by the department. In the event that the report is not satisfactory to the department, the Bureau Chief shall specify in writing to the facility owner/operator any shortcomings in the report or in the corrective actions already taken or proposed to be taken relative to the discharge, and shall give the facility owner/operator a reasonable and clearly specified

time within which to submit a modified corrective action report. The Bureau Chief shall approve or disapprove in writing the modified corrective action report within fifteen (15) days of its receipt by the department. [12-24-87]

8. In the event that the modified corrective action report also is unsatisfactory to the department, the facility owner/operator has five (5) days from the notification by the Bureau Chief that it is unsatisfactory to appeal to the department secretary. The department secretary shall approve or disapprove the modified corrective action report within five (5) days of receipt of the appeal from the Bureau Chief's decision. In the absence of either corrective action consistent with the approved corrective action report or with the decision of the secretary concerning the shortcomings of the modified corrective action report, the department may take whatever enforcement or legal action it deems necessary or appropriate. [12-24-87, 12-1-95]

9. If the secretary determines that the discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 4103 of this Part, and the water pollution will not be abated within one hundred and eighty (180) days after notice is required to be given pursuant to Section 1203.A.1 of this Part, the secretary may notify the facility owner/operator that he is a responsible person and that an abatement plan may be required pursuant to Sections 4104 and 4106.A of this Part. [12-1-95]

B. Exempt from the requirements of this Section are continuous or periodic discharges which are made: [2-17-74]

1. in conformance with regulations of the commission and rules, regulations or orders of other state or federal agencies; or [2-17-74]

2. in violation of regulations of the commission, but pursuant to an assurance of discontinuance or schedule of compliance approved by the commission or one of its duly authorized constituent agencies. [2-17-74]

C. As used in this Section and in Sections 4100 through 4115, but not in other Sections of this Part: [2-17-74, 12-1-95]

1. "discharge" means spilling, leaking, pumping, pouring, emitting, emptying, or dumping into water or in a location and manner where there is a reasonable probability that the discharged substance will reach surface or subsurface water; [2-17-74]

2. "facility" means any structure, installation, operation, storage tank, transmission line, motor vehicle, rolling

stock, or activity of any kind, whether stationary or mobile; [2-17-74]

3. "oil" means oil of any kind or in any form including petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes; [2-17-74]

4. "operator" means the person or persons responsible for the overall operations of a facility; and [12-24-87]

5. "owner" means the person or persons who own a facility, or part of a facility. [12-24-87]

D. Notification of discharge received pursuant to this Part or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except for perjury or for giving a false statement. [2-17-74]

E. Any person who has any information relating to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, is urged to notify the Chief of the Ground Water Protection and Remediation Bureau of the department. Upon such notification, the secretary may require an owner/operator or a responsible person to perform corrective actions pursuant to Sections 1203.A.5 or 1203.A.9 of this Part. [12-1-95]

[1204-1209] Reserved

1210. VARIANCE PETITIONS.

A. Any person seeking a variance pursuant to Section 74-6-4 (G) NMSA 1978, shall do so by filing a written petition with the commission. The petitioner may submit with his petition any relevant documents or material which the petitioner believes would support his petition. Petitions shall: [7-19-68, 11-27-70, 9-3-72]

1. state the petitioner's name and address; [7-19-68, 11-27-70]

2. state the date of the petition; [7-19-68]

3. describe the facility or activity for which the variance is sought; [7-19-68, 11-27-70]

4. state the address or description of the property upon which the facility is located; [11-27-70]

Item 12

Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

Star Lake Compressor Station is on the southwest limb of the Central Basin of the San Juan Basin on the Colorado Plateau. The facility is located within 50 vertical feet of Chaco Wash, and is therefore, in an expanded vulnerable area. The site lies on a hillslope just west of the Continental Divide, and surface water drains to Chaco Wash. The area is one of arid piedmont, windswept cuestas and mesas.

There are no groundwater discharge sites within one mile of the perimeter on the 1961 Star Lake, NM, 7.5 ′ U.S.G.S. quadrangle. South of the facility about 1000 feet, several intermittent streams from the east and south merge into an unnamed intermittent stream. This dry arroyo flows northwest into Chaco Wash, a tributary of the intermittent Chaco River which enters the San Juan River at Farmington.

About 3300 feet north of the station on the other side of the hill, Chaco Wash runs northeast to west. An unnamed, intermittent stream to the northeast, fed by the intermittent Calladito Lakes, feeds into Chaco Wash 3800 feet north of the facility. The two largest Calladito Lakes lie about 3100 feet northeast of the facility and on the other side of the hill.

The bedrock at the site is the Cretaceous Fruitland Formation–Kirtland Shale, undifferentiated (Stone et al., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines & Mineral Resources, Hydrologic Report 6, Sheet 1). The soil developed on this unit is the Calladito-Elias association, a fine, loamy soil from the breakdown of sandstone and shale on valley sides, here developed on a 3 percent slope. The soil is about 5 feet deep and rapidly permeable (Scott Zschetzsche, Personal Communication, 1996, Grants Soil Survey Office, unpublished data for the McKinley County Soil Survey).

There are two water wells on the property which are used for domestic and industrial purposes. The resident population at the facility fluctuates, and the water is treated as if it were a public supply and is regularly analyzed. These two wells are the only wells located within one mile of the facility which are recorded as of April 1966 with the State Engineer Office, Albuquerque, well record database and well logs; with the National Water Information System, Version I, Groundwater Site Information, U.S.G.S; and with the U.S. EPA's STORET database.

In 1986, the depth to the water table below the facility was measured at 58 feet in the "Fruitland Formation or Pictured Cliffs Formation" (well number 20N.06W.34.1143B, National Water Information System, April , 1996, Version I, Groundwater Site Information, U.S.G.S). Total dissolved solids measured in this well by the U.S.G.S. in 1975 were 1750 mg/l, the aquifer was reported as Quaternary alluvium (U.S. EPA, STORET). The depth of well #1 is 300 feet; the depth of well #2 is 200 feet. The U.S.G.S.-reported aquifer in 1986 is the Fruitland Formation &/or Pictured Cliffs Sandstone. The concentration of total dissolved solids from this well probably represents the value of the total dissolved solids in the Kirtland–Fruitland, undifferentiated, the bedrock unit and the shallowest aquifer at the site.

The total dissolved solids reported in 1963 from the deeper well on-site were 2430 mg/l (U.S. EPA, STORET). This value is probably indicative of the water quality of the Menefee Formation, as the Menefee is the perfed interval and the aquifer reported for this well in the U.S.G.S. database.

The aquifers below the Star Lake Compressor Station are, in descending order from the local stratigraphic section on correlated well logs in Stone et al. (Hydrogeology and water resources of San Juan Basin, New Mexico, New Mexico Bureau of Mines & Mineral Resources, Hydrologic Report 6, Sheet 3):

- Fruitland Formation–Kirtland Shale, undifferentiated, a sandy, clayey, coaly, unconfined aquifer directly beneath the facility, with a thickness to 100 feet, depending on the thickness of the Pictured Cliffs Sandstone.
- Pictured Cliffs Sandstone, a massive, marine sandstone that possibly contributes to the water of the shallow well on the site. The Pictured Cliffs may be less than 100 feet thick here, and it is not labeled on the nearby well logs on Sheet 3.
- Lewis Shale, an aquiclude.
- Cliff House Sandstone, a massive, marine sandstone that is probably less than 100 feet thick.
- Menefee Formation, an interval of over 1000 feet of interbedded clays, siltstones, coals, and sandstones.
- Point Lookout Sandstone, a coastal sand that lies below the Menefee and may be at or near the bottom of the deeper well on-site. The Point Lookout is underlain by about 800 feet of Mancos Shale.
- Late Cretaceous and older sedimentary formations fill the basin below these aquifers, but would probably not be affected by any discharges from the station, as there is such a thick layer of sediments over them, and they are not penetrated by any wells at the site.

The flood protection measures at the site consist of some slight grading which forms dips through the parking lots and open areas to channel runoff away from buildings into small culverts which are installed under the roadways. The culverts have been installed to allow runoff to run under road surfaces. All runoff is still downhill from north to south, and water from the culverts flows out onto the highly permeable soil of the hillside.

Flood potential at the site is low, as the facility is sited on a hillside on deep and permeable soil where runoff quickly sinks into the soil. The facility is uphill of an arroyo and not in any designated special flood hazard area (FEMA, 1978, McKinley County, New Mexico, unincorporated area, community panel no. 3500390005A).

Item 13

Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

All reasonable and necessary measures will be taken to prevent the exceedance of 20 NMAC 6.2.3103 quality standards should PNM choose to permanently close the Star Lake Compressor Station. Closure measures will include removal or closure in place of all underground piping and equipment. All tanks will be emptied. No potentially toxic materials or effluents will remain on the site. All potential sources of toxic pollutants will be inspected. Should contaminated soil be discovered, any necessary reporting under NMOCD Rule 116 and 20 NMAC 6.2.1203 will be made, and clean-up activities will commence. Post-closure maintenance and monitoring plans would not be necessary unless contamination is encountered.