GW - 66

GENERAL CORRESPONDENCE

YEAR(S):

2006 - 1990

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

2006 MAR 28 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

SEAL

MARK FESMIRE,
P.E., Director

Legal #78629
Pub. Mar. 24, 2006

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

A personal commitment to New Mexico

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 17, 2006

Oil Conservation Division
Attn: Ben Stone
1120 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Discharge Plans GW-065, -066, and -263
Discharge Plan Approvals for Redonda, Espejo, and Star Lake Compressor Stations

Dear Mr. Stone:

Attached please find signed original copies of the discharge plan renewal approvals for the above-referenced compressor stations. Public Service Company of New Mexico is submitting check number 108761 in the amount of $5100.00. This check pays the flat fee of $1700 assessed for each of the three compressor stations and covers the five (5) year period of the discharge plans that end April 3, 2011.

Thank you for your 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

cc: Kevin Lawrence, PNM Gas Operations (cover letter only)
DCC
ESD File

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:

Oil Conservation Division
Attention: Ben Stone
1120 South St. Francis Drive
Santa Fe, NM 87505

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 7-20

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

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) 7004 2510 0006 5228 0226

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7004 2510 0006 5228 0225

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Oil Conservation Division
Attention: Ben Stone
1120 South St. Francis Drive
Santa Fe, NM 87505

See Reverse for Instructions

PNM
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If you have any questions about this payment please contact:
PNM UTILITY
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, NM 87158

[redacted]

615	Jul/17/2006	0000011449			[redacted]
050806	May/08/2006	5,100.00	0.00	5,100.00	00016481

Total Gross Amount	Total Discounts	Total Paid Amount
$5,100.00	$0.00	$5,100.00

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WELLS FARGO, N.A.
200 Lomas E Nat. NW
Albuquerque, NM 87102

[redacted]

[redacted]	Jul/17/2006	$5,100.00****

PAY ****FIVE THOUSAND ONE HUNDRED AND XX / 100 DOLLAR****

TO THE ORDER OF
NEW MEXICO ENVIRONMENT DEPARTMEN
WATER MGMT QUALITY MGMT FUND
C/O OIL CONSERVATION DIVISION
1220 NORTH ST FRANCIS DRIVE
SANTA FE, NM 87505

Authorized Signature

[redacted]

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-066
Renewal Application for Espejo 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) Espejo Compressor Station located in Section 31, T 12 N, R 2 E Sandoval County.

One (1) copy will also be mailed to OCD District 4 Supervisor in Santa Fe. In this application, an item was revised only if changes have occurred since the 5/14/01 application. For information on unchanged items, please refer to the previous application.

A $100.00 filing fee for this renewal application is attached (number 200847).

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

Sincerely,

Robin K. DeLapp

Robin K. DeLapp
Senior Environmental Scientist

Cc: Mr. Roy Johnson, District 4 Supervisor, 1220 South St. Francis Drive, Santa Fe, NM 87505
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: Espejo 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 NW/4 Section 31 Township 12N Range 2E
   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. **(no change)**
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. **(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: Kevin Lawrence Title: Gas Compression Operations Supervisor II

Signature: K. E. Lawrence Date: 02/15/06

E-mail Address: klawren1@pnm.com

Ownership: PNM
Quad Map: Volcano Ranch
Sec, T N, R: Section 31, T12N, R2E

PNM Espejo Compressor Station
Sandoval County, New Mexico
Date: 1/25/2006

N
W E
S

2,100 1,050 0 2,100 4,200 6,300 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

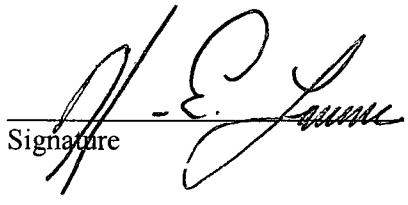
B. Name of Local Representative or Contact Person:
Facility Contact: Kevin Lawrence
Public Service Company of New Mexico (PNM)
603 W. Elm Street
Farmington, New Mexico 87499
(505) 324-3749

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 of the NW 1/4, Section 31, Township 12 North, Range 2 East, NMPM
Unit 9, Rio Rancho Estates
Sandoval County, New Mexico

D. Copies:
Three (3) copies of Discharge Plan Renewal Application are submitted to OCD.

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

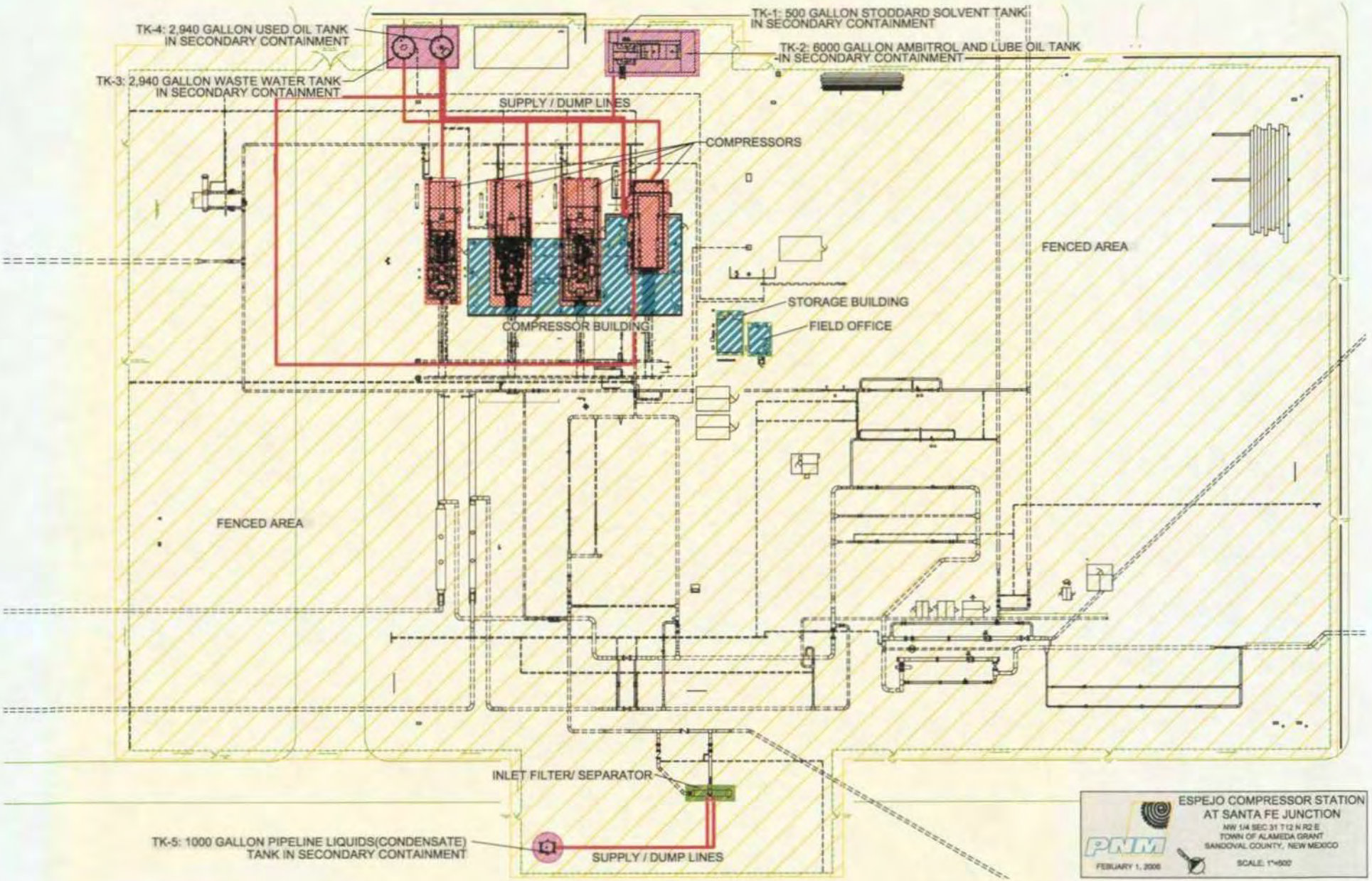
COMPRESSION SUPV.
Title

Item 5: Revised

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

Espejo is a compressor station located on PNM's natural gas transmission system. Four natural-gas fired compressor engines are at the facility for a total rated site horsepower (hp) of 5,466 hp. 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	Waukesha L7042 GSI
Compressor	2	Waukesha L7042 GL
Compressor	3	Waukesha L7044 GSI
Compressor	4	Waukesha L7044 GSI


TK-4: 2,940 GALLON USED OIL TANK
IN SECONDARY CONTAINMENT
TK-3: 2,940 GALLON WASTE WATER TANK
IN SECONDARY CONTAINMENT
TK-1: 500 GALLON STODDARD SOLVENT TANK
IN SECONDARY CONTAINMENT
TK-2: 6000 GALLON AMBITROL AND LUBE OIL TANK
IN SECONDARY CONTAINMENT
SUPPLY / DUMP LINES
COMPRESSORS
FENCED AREA
STORAGE BUILDING
FIELD OFFICE
COMPRESSOR BUILDING
FENCED AREA
INLET FILTER/ SEPARATOR
TK-5: 1000 GALLON PIPELINE LIQUIDS(CONDENSATE)
TANK IN SECONDARY CONTAINMENT
SUPPLY / DUMP LINES
ESPEJO COMPRESSOR STATION
AT SANTA FE JUNCTION
NW 1/4 SEC 31 T12 N R2 E
TOWN OF ALAMEDA GRANT
SANDOVAL COUNTY, NEW MEXICO
PNM
FEBUARY 1, 2006
SCALE: 1"=500'

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	Stoddard Solvent	500	East of compressor building	Secondary containment, galvanized steel/ cement
AGT	TK-2	Ambitrol (FL-50) and lube oil (Pegasus 805)	6000 (3000 Ambitrol and 3000 lube oil)	East of compressor building	Secondary containment, galvanized steel/ cement
IGT	TK-3	Waste water	2940	Northeast of compressor building	Double walled, double bottomed in secondary containment, galvanized steel/gravel
IGT	TK-4	Used oil	2940	Northeast of compressor building	Double walled, double bottomed in secondary containment, galvanized steel/gravel
AGT	TK-5	Pipeline liquids (condensate)	1000	West of compressors	Secondary containment, galvanized steel/ cement
Drum	--	Degreaser (1) 55-gallon	55	Tank berm or building	Secondary containment, galvanized steel/ Cement or building
Drum	--	Detergent (1) 55-gallon	55	Tank berm or building	Secondary containment, galvanized steel/ Cement or building

TK: tank
IGT: in-ground tank
AGT: above ground tank
(1): Number of drums

Item 8: Revised
Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Type of Waste	*Collection*	*Storage*	*Hauled by*	*Disposal*
Pipeline liquids (condensate)	Piped to TK-5	TK-5	Rinchem Company	Rinchem Company
Used oil	Piped to TK-4 by 2" line	TK-4	Rinchem Company	Rinchem Company
Waste water	Piped to TK-3 by 2" line	TK-3	Rinchem Company	Rinchem Company
Solid Waste	Trash receptacle	Trash receptacle	Waste Management	Waste Management Landfill, Rio Rancho, NM
Special Waste (used filters)	Drained into TK-4	Plastic bags	Rinchem Company	Waste Management Landfill, Rio Rancho, NM

Rinchem Company, 6133 Edith Boulevard, NW, Albuquerque, NM 87107 (505) 345-3655
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 March 19, 2002 and submitted to results to the Oil Conservation Division. PNM will perform these test every five years as specified in the Discharge Permit.

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

Espejo is continuously operated and is manned **4** hours per day. The station is equipped with alarms that will notify 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 Espejo Prevention, Control, and Countermeasure (SPCC) Plan.

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: Espejo 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 NW/4 Section 31 Township 12N Range 2E
   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. **(no change)**
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. **(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: Kevin Lawrence Title: Gas Compression Operations Supervisor II

Signature: K. E. Lawrence Date: 02/15/06

E-mail Address: klawren1@pnm.com

PNM

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	012606	NME336222101	[redacted]

INVOICE #	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
NMEDWQ060182999	01/25/06	100.00	0.00	0.00	100.00	060182999	FILING FEE	Y

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.

PNM

606 [redacted]

[redacted]

General Fund Account

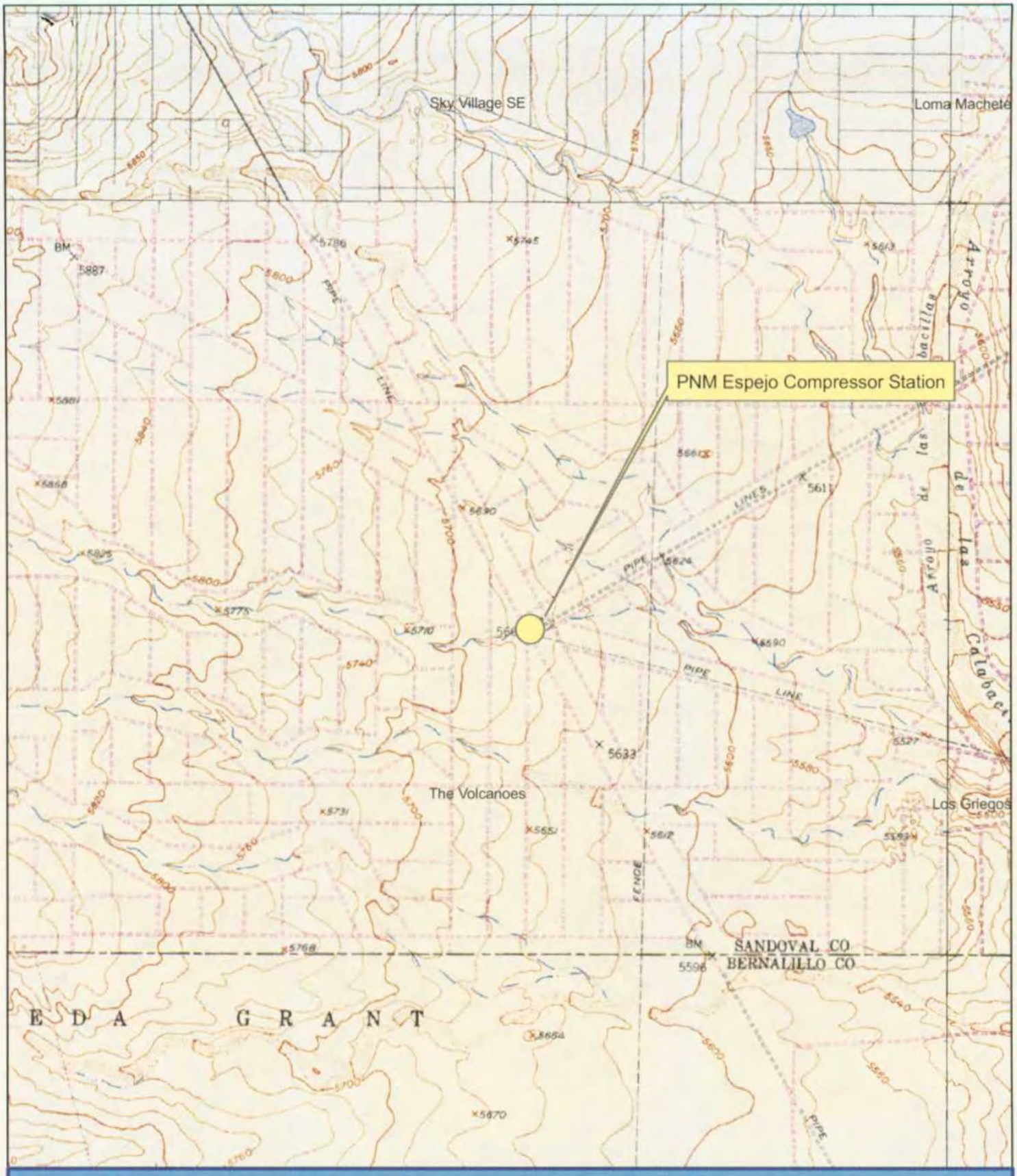
CHECK NO.	DATE	AMOUNT
[redacted]	012606	$********100.00

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: PNM
Quad Map: Volcano Ranch
Sec, T N, R: Section 31, T12N, R2E

PNM Espejo Compressor Station
Sandoval County, New Mexico
Date: 1/25/2006

N
W E
S

2,100 1,050 0 2,100 4,200 6,300 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

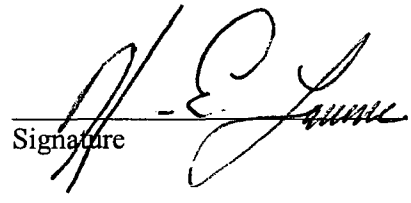
B. Name of Local Representative or Contact Person:
Facility Contact: Kevin Lawrence
Public Service Company of New Mexico (PNM)
603 W. Elm Street
Farmington, New Mexico 87499
(505) 324-3749

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 of the NW 1/4, Section 31, Township 12 North, Range 2 East, NMPM
Unit 9, Rio Rancho Estates
Sandoval County, New Mexico

D. Copies:
Three (3) copies of Discharge Plan Renewal Application are submitted to OCD.

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

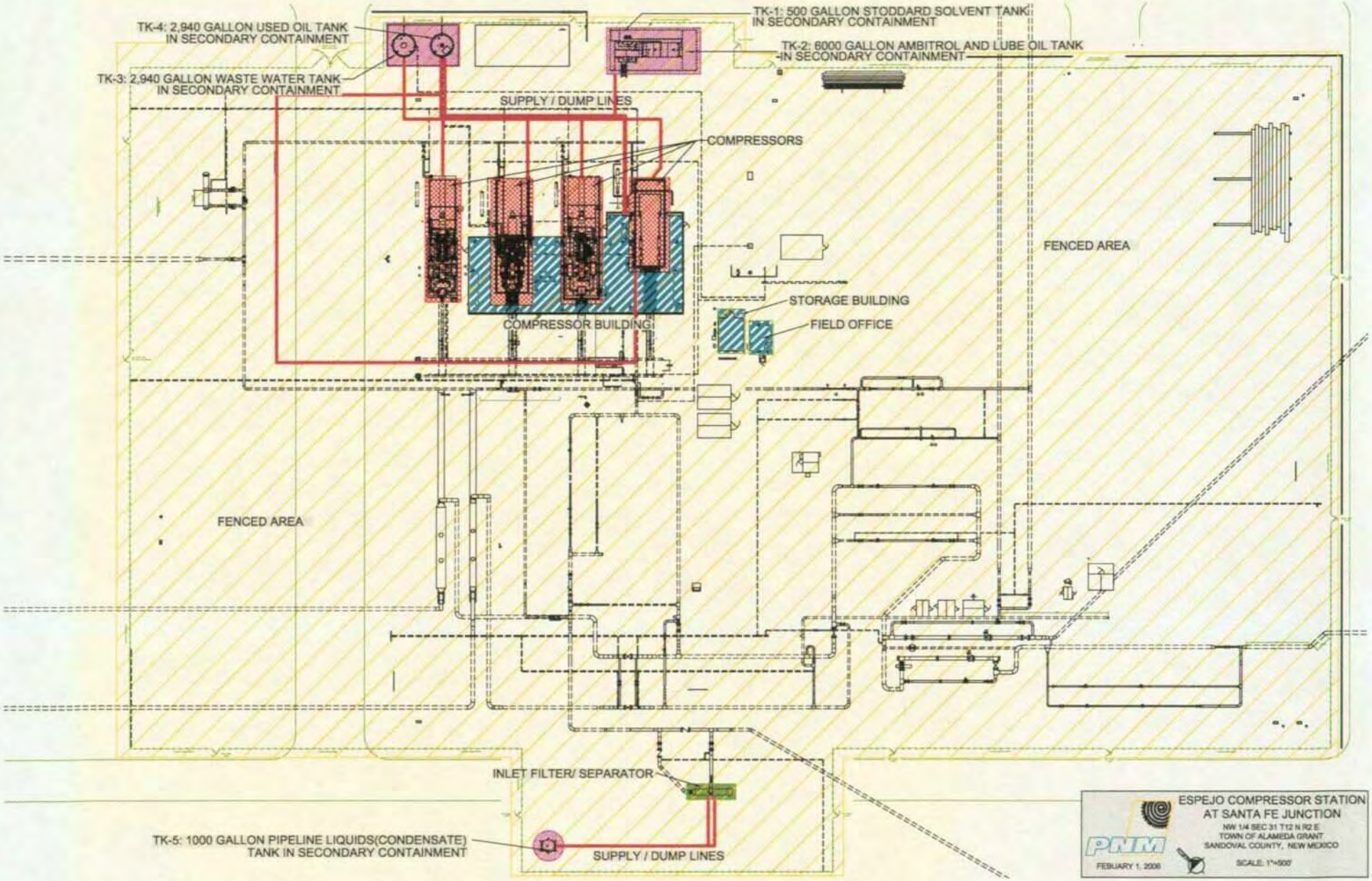
COMPRESSION SUPV.
Title

Item 5: Revised

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

Espejo is a compressor station located on PNM's natural gas transmission system. Four natural-gas fired compressor engines are at the facility for a total rated site horsepower (hp) of 5,466 hp. 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	Waukesha L7042 GSI
Compressor	2	Waukesha L7042 GL
Compressor	3	Waukesha L7044 GSI
Compressor	4	Waukesha L7044 GSI


TK-4: 2,940 GALLON USED OIL TANK
IN SECONDARY CONTAINMENT
TK-3: 2,940 GALLON WASTE WATER TANK
IN SECONDARY CONTAINMENT
TK-1: 500 GALLON STODDARD SOLVENT TANK
IN SECONDARY CONTAINMENT
TK-2: 6000 GALLON AMBITROL AND LUBE OIL TANK
IN SECONDARY CONTAINMENT
SUPPLY / DUMP LINES
COMPRESSORS
FENCED AREA
STORAGE BUILDING
FIELD OFFICE
COMPRESSOR BUILDING
FENCED AREA
INLET FILTER/ SEPARATOR
TK-5: 1000 GALLON PIPELINE LIQUIDS(CONDENSATE)
TANK IN SECONDARY CONTAINMENT
SUPPLY / DUMP LINES
ESPEJO COMPRESSOR STATION
AT SANTA FE JUNCTION
NW 1/4 SEC 31 T12 N R2 E
TOWN OF ALAMEDA GRANT
SANDOVAL COUNTY, NEW MEXICO
PNM
FEBUARY 1, 2006
SCALE: 1"=500'

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	Stoddard Solvent	500	East of compressor building	Secondary containment, galvanized steel/ cement
AGT	TK-2	Ambitrol (FL-50) and lube oil (Pegasus 805)	6000 (3000 Ambitrol and 3000 lube oil)	East of compressor building	Secondary containment, galvanized steel/ cement
IGT	TK-3	Waste water	2940	Northeast of compressor building	Double walled, double bottomed in secondary containment, galvanized steel/gravel
IGT	TK-4	Used oil	2940	Northeast of compressor building	Double walled, double bottomed in secondary containment, galvanized steel/gravel
AGT	TK-5	Pipeline liquids (condensate)	1000	West of compressors	Secondary containment, galvanized steel/ cement
Drum	--	Degreaser (1) 55-gallon	55	Tank berm or building	Secondary containment, galvanized steel/ Cement or building
Drum	--	Detergent (1) 55-gallon	55	Tank berm or building	Secondary containment, galvanized steel/ Cement or building

TK: tank
IGT: in-ground tank
AGT: above ground tank
(1): Number of drums

Item 8: Revised
Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Type of Waste	*Collection*	*Storage*	*Hauled by*	*Disposal*
Pipeline liquids (condensate)	Piped to TK-5	TK-5	Rinchem Company	Rinchem Company
Used oil	Piped to TK-4 by 2" line	TK-4	Rinchem Company	Rinchem Company
Waste water	Piped to TK-3 by 2" line	TK-3	Rinchem Company	Rinchem Company
Solid Waste	Trash receptacle	Trash receptacle	Waste Management	Waste Management Landfill, Rio Rancho, NM
Special Waste (used filters)	Drained into TK-4	Plastic bags	Rinchem Company	Waste Management Landfill, Rio Rancho, NM

Rinchem Company, 6133 Edith Boulevard, NW, Albuquerque, NM 87107 (505) 345-3655
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 March 19, 2002 and submitted to results to the Oil Conservation Division. PNM will perform these test every five years as specified in the Discharge Permit.

Item 10: Revised

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

Espejo is continuously operated and is manned **4** hours per day. The station is equipped with alarms that will notify 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 Espejo Prevention, Control, and Countermeasure (SPCC) Plan.

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
Espejo Compressor Station (GW-066) and Redonda Compressor Station (GW-065)

Dear Mr. Ford:

Public Service Company of New Mexico (PNM) conducted hydrostatic testing at its Espejo Compressor Station and Redonda Compressor Station in accordance with the New Mexico Oil Conservation Division (NM-OCD) Ground Water Discharge Plan requirements. The tests were conducted in accordance with procedures submitted to (3/8/02) and approved by the OCD (3/14/02). The integrity testing was performed on the non-pressurized gravity drained underground wastewater pipelines to demonstrate their mechanical integrity. The testing was conducted in two (2) stages because of pressure loss in the first stage.

Stage 1
PNM employees conducted Stage 1 using air pressure. Testing was performed March 19, 2002 (Espejo) and March 20, 2002 (Redonda). A drop in air pressure occurred at both facilities. PNM suspected the source of the problem was minor since the amount of wastewater drained into the tank closely matched the amount of washdown water used on the compressor pads. The results, as recorded by PNM personnel, are attached. Since the source of pressure loss was undetectable with air it was decided water would be used to better pinpoint the cause.

Stage 2
For Stage 2 PNM used a contractor experienced in conducting water hydrostatic testing. Testing was performed March 26, 2002 (Redonda) and 27, 2002 (Espejo). The contractor, AMEC Earth & Environmental, Inc. of Farmington, New Mexico 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 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. A system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes.

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 at both facilities confirming pressure loss. The soil at major drain line junctions or at visible surface moisture locations were excavated to inspect the piping. One leak was found at Espejo and several at Redonda. All faulty piping components were replaced. Soil samples around the leak location(s) were collected for

analysis. The lines were retested to verify all pressure loss points were located and corrected before backfilling. After each isolated system was tested the water was drained into the existing wastewater tanks. A final successful hydrostatic test was completed at Redonda on March 26 and at Espejo on March 27. AMEC's test results are attached.

During Stage 2 two samples were taken at Redonda and one at Espejo. All samples collected were submitted to Pinnacle Laboratories for analysis of total petroleum hydrocarbons (TPH) using EPA Method 418.1.

At Redonda, the samples were collected at a leaking connection found during testing. Two samples were taken, one at 20" deep from ground surface and the second at 24" below ground surface (a depth 4" below the leaking connection). The concentration of TPH at the leak was 2900 ppm. At 4" deeper, the TPH concentration was 130 ppm. Using the OCD ranking score at Redonda, a value of ten (10) points is given for the depth to ground water (80 feet), ten (10) points for distance to a surface water body (less than 1000 feet), and zero (0) points since no domestic wells are located within 1000 feet. Therefore, the total ranking score is twenty (20) that correlates to a recommended concentration of TPH 100 ppm. We would anticipate that if the second sample was taken just an inch or two lower, then concentration would meet the 100 ppm recommended level and would therefore not require any further action. Our sampling results at Redonda indicate high TPH concentrations stayed very close to the leaking connection and did not migrate very far.

At Espejo, the sample was taken at the leaking connection and resulted in a concentration of TPH 4000 ppm. Using the OCD ranking score at Espejo, a value of zero (0) points is given for the depth to ground water (719 feet), zero (0) points for distance to a surface water body (greater than 1000 feet), and zero (0) since no domestic wells are located within 1000 feet. Therefore, the total ranking score is zero, which indicates no further action. The laboratory results are attached.

Jack, 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 19, 2002
AMEC Project No. 2517000028

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 Espejo 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 Espejo Compressor Station located west of Rio Rancho, 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. Dan Engert with PNM on March 25, 2002. AMEC mobilized to the site on March 27, 2002 and began line testing and completed the work on the same day. AMEC's on-site crew consisted of Morgan Killion (Project Superintendent), and a 2-man 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 leaks by replacing several valves, couplings, 24 feet of 2-inch drain line and several Tee's that were part of the drain line system. A final passing hydrostatic test was completed on the Espejo Compressor Station system non-pressurized drain lines on March 27, 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

Public Service Company of New Mexico
Espejo Compressor Station – Drain Line Testing
April 19, 2002

AMEC appreciates the opportunity to perform these services at the Espejo 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: 25170002.3 **Client:** Public Service Company of New Mexico

Task: _____ **Facility Name:** ESPEJO

Test Description: Hydrostatic Test

System Description: waste water system

Test Medium: Water **Test Pressure:** 3 PSI **Test Date:** 3-27-02

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
				we Replaced 2 Values and Filled system
				it started leaking as soon as the
				water got to the water colum. we
				Found leak and Repaired it
14:30	1530	94" WG 3# PSI	Pass	Drain lines for 3 compressor Tied
				to the same system

Review and Approvals:

Morgan Killion	Morgan Killion / Project Supervisor	3-27-02
AMEC Representative Signature	**Printed Name**	**Date**
Larry Gonzales	Larry Gonzales	3-27-02
Client Representative Signature	**Printed Name**	**Date**

2002 WASTE WATER TESTING

Station: Espeio Compressor Station Date: 03/19/02

Legal Description: NW//4 Sec. 31, T12N, R02W County : Sandoval

Test: ☒ Retest: 1 2 3

Size Pipe Tested: 2" Approximate Footage: 254'

Pipe Material: PVC (SCH. 40)

Test Media: Compressed Air Test Pressure: 10#

Type of System: Gravity Fed Waste Water

Start Test Pressure: 10.5# Ending Test Pressure: 6.5# Pressure Drop: 4#

Duration of Test: 1 Hour (5 Mins. / See Below)

Weather at Test: Clear / Cool / Windy Ambient Temp.: 68°F

Test Start Time: 2:05 PM Test Stop Time: 2:10 PM

Test Successful: ☐ Test Failed: ☒

Reason for Failure (Explain): Unknown / Line would not hold pressure

PNM or Contract Personnel Performing Test: Kevin Lawrence, Larry Gonzales & Plemon Johnson – PNM Compression Services

Person(s) Witnessing Test: Wilford Nez – PNM Environmental Services

If Test Failed, Follow-Up with Attached Retest Sheet....

Comments: If Failed, Follow-up with Corrections Made. Prior to Re-Test.

Unknown reason for pressure drop.

Line appears to contain a lot of thick sludge.

Line retested by Amec Environmental Services out of Farmington on 03/27/02.

Discovered Multiple Bad Valves and Cracked 2" PVC Pipe & Fittings.
Replaced and Re-Tested Successfully (See Final Amec Report Dated 04/19/02.)

	Kevin Lawrence	03/19/02
(Signature)	Printed	Date

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

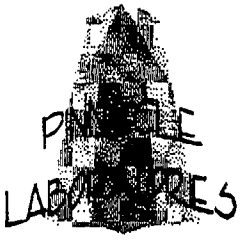
GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE I.D.	: 203107
PROJECT #	: (NONE)	DATE RECEIVED	: 03/28/02
PROJECT NAME	: REDONDA COMPRESSOR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	REDONDA COMPRESSOR 20"	NON-AQ	03/26/02	03/29/02	03/29/02	10
02	REDONDA COMPRESSOR 24"	NON-AQ	03/26/02	03/29/02	03/29/02	1

PARAMETER	DET. LIMIT	UNITS	REDONDA COMPRESSOR 20"	REDONDA COMPRESSOR 24"
PETROLEUM HYDROCARBONS	20	**MG/KG**	**2900**	**130**
DRY WEIGHT (%)			86	92

CHEMIST NOTES:
N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GENERAL CHEMISTRY RESULTS
418.1

CLIENT	: PUBLIC SERVICE COMPANY	PINNACLE I.D.	: 204115
PROJECT #	: (NONE)	DATE RECEIVED	: 04/29/02
PROJECT NAME	: ESPEJO		

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	ESPEJO	NON-AQ	04/29/02	04/29/02	04/29/02	20

PARAMETER	DET. LIMIT	UNITS	ESPEJO
PETROLEUM HYDROCARBONS	20	**MG/KG**	**4000**

CHEMIST NOTES:
N/A

Ford, Jack

To: DeLapp, Robin

Subject: RE: PNM Espejo & Redonda +

Robin
Public Service Company of New Mexico

To clarify Condition 10 of the discharge plan attachment. Process/wastewater lines are those underground pipelines that drain to a collection tank under gravity conditions. Product is generally moved through pipelines under pressure and any leaks that occur could be detected rather quickly, therefore these type of underground lines are not required to be tested. Lines used to move fluids under gravity conditions might not show on the surface until a major leakage had occurred and therefore could move downward through the vadose zone for some period of time before being detected. This has proved to be the case in a number of circumstances in the past.

Your "workplan", as described in your e-mail message, is approved. Please furnish the OCD with a final report at the conclusion of the work. We appreciate your prompt attention to the initial results in making a determination of the integrity of the wastewater lines at Espejo and Redono compressor stations.

If you have any questions contact me via e-mail or telephone (505) 476-3489.

Sincerely,
/s/
Jack Ford
Oil Conservation Division

-----Original Message-----
From: DeLapp, Robin [mailto:RDELAPP@pnm.com]
Sent: Friday, March 22, 2002 9:14 AM
To: 'jwford@state.nm.us'
Subject: PNM Espejo & Redonda + Others

Jack Ford
Oil Conservation Division

Jack,
I wanted to discuss a couple of items with you.

First, I wanted to ask for clarification of Condition 10 of the OCD Discharge Plan Approval Conditions for PNM's Animas, Espejo, Redonda, and Star Lake Compressor Stations. Condition 10 states that "All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity every 5 years". Can you please define process/wastewater pipelines? Would these include underground pipelines that transfer products other than wastewater?

Secondly, I wanted to let you know that the integrity tests on the wastewater lines were completed at PNM's Espejo Compressor Station (March 19, 2002) and Redonda Compressor Station (March 20, 2002) using air pressure. A drop in pressure occurred at both locations. PNM will conduct additional investigations to determine the cause of the pressure drop. We suspect the source of this problem to be minor since the wastewater tank level raises in accordance with the amount of washdown water used on the compressor pads.

To determine the source of the problem, PNM plans to conduct leak surveys at Espejo and Redonda

between March 27 and 29, 2002. The survey will consist of filling the wastewater lines with natural gas and using a gas detector on the ground surface that senses leaking natural gas. Any potential problem area(s) will be marked and the survey will be conducted again to verify the results. Once the problem area has been pinpointed, the area will be excavated and repaired. If a leak has occurred, PNM will notify the OCD and supply the required information as specified in OCD's Guidelines for Remediation of Leaks, Spills, and Releases, August 13, 1993.

If no leaks are detected, PNM will bring in an outside contractor to assist to explain why the pressure dropped in the initial tests.

Please let me know if you require any additional information at this time. We will keep you posted on activities at both sites.

Robin DeLapp
Public Service Company of New Mexico
Alvarado Square, Mail Stop 2104
Albuquerque, New Mexico 87158
phone: (505) 241-2016/ fax: (505) 241-2376
cell: (505) 362-0730/ email: rdelapp@pnm.com

Ford, Jack

From: DeLapp, Robin
Sent: Friday, March 22, 2002 9:14 AM
To: 'jwford@state.nm.us'
Subject: PNM Espejo & Redonda + Others

Jack Ford
Oil Conservation Division

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Robin DeLapp
Public Service Company of New Mexico
Alvarado Square, Mail Stop 2104
Albuquerque, New Mexico 87158
phone: (505) 241-2016/ fax: (505) 241-2376
cell: (505) 362-0730/ email: rdelapp@pnm.com

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

By fax and mail

March 14, 2002

Mr. Frank Chavez
New Mexico Oil Conservation Division (OCD)
District 3
1000 Rio Brazos Road
Aztec, NM 87410

Subject: Public Service Company of New Mexico
Underground Pipeline Integrity Testing
Espejo Compressor Station (GW-066) and Redondo Compressor Station (GW-065)

Dear Mr. Chavez:

Attached find notification and approval of Public Service Company of New Mexico's scheduled March 19 hydrostatic testing at the above-referenced facilities.

Cordially,

Wil Nez
Senior Engineering Tech

wbn
Attachments

cc: W. Jack Ford, OCD
Dan Engert, PNM
DCC
ESD Files

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 8, 2002

Mr. Roger Anderson
New Mexico Oil Conservation Division (OCD)
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Public Service Company of New Mexico
Groundwater Discharge Plan Approvals for
Espejo Compressor Station (GW-066) and Redonda Compressor Station (GW-065)

Dear Mr. Anderson,

The Public Service Company of New Mexico (PNM) hereby notifies the OCD of its plans to conduct underground process/wastewater pipeline mechanical integrity testing at the Espejo and Redonda Compressor Stations on March 19, 2002. PNM proposes to conduct the tests in accordance with the test methods and procedures attached for review and approval by OCD. In accordance with Discharge Plan Approval Condition 10, PNM is submitting this notification at least 72 hours prior to the tests. Please call me at (505) 241-2016 if you have any questions.

Sincerely,

Robin K. DeLapp
Senior Environmental Scientist

rkd
Enclosure

cc: Dan Engert, PNM
DCC
ESD Files

Public Service Company of New Mexico
Process and Wastewater Drain Lines Pressure Test Procedure

PNM will provide a group of employees to perform hydrostatic drain line testing at the facilities. The drain line testing will be performed in accordance with the New Mexico Oil Conservation Division (NM-OCD) Ground Water Discharge Plan requirements.

The underground pipelines carrying fluids, process, or wastewater will be isolated and will be filled with clean water to remove airspace. A water-filled riser of sufficient height to provide three pounds per square inch (psi) above normal operating pressure will be installed. The height of the water column will be noted. Each system will be considered not leaking when the height of the water column holds steady for a period of 60 minutes. If the water in the riser pipe drops during the test, valves, plugs, and other blocking methods will be checked and the test repeated. If the repeated test fails, the system will be classified as leaking.

Line leaks will be located using one of the following detection methods. Hydro detection, which consists of filling the system with water, will be used to locate areas of the system where the surface is wet. This method is used first, due to the fact that the system is already filled with water and some leaks are quickly detectable. If the leaking area of the system is not located in a reasonable length of time, the system will be drained of water the filled with an inert gas. A specific gas detector will be used to locate the leak. In the event these methods fail, areas where leaks are most likely to occur, such as valves, unions and connections will be excavated for visual inspection. After a leak is located, the soil around the leak will be sampled to determine if it has been impacted. The leak will be repaired and the system re-checked for the possibility of multiple leaks.

Should any impacted soils be encountered, PNM's Environmental Services Department will be contacted and a remediation plan for impacted soils will be developed in accordance with regulatory requirements.

3/18/02
Modified to use air pressure @ 3# psi instead of water.

March 14, 2002

Via e-mail

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

RE: UNDERGROUND PIPELINE INTEGRITY TESTING
ESPEJO COMPRESSOR STATION, GW-066 AND REDONDO COMPRESSOR STATION, GW-065

Dear Ms. DeLapp:

The New Mexico Oil Conservation Division (OCD) has reviewed Public Service Company of New Mexico's (PNM) March 8, 2002 work plan for the hydrostatic testing of the underground pipelines at the two above captioned facilities. The above referenced work plan **is herewith approved.**

Please notify the OCD Aztec District office prior to beginning the testing procedures. Please notify the OCD of the results of the testing. In addition, OCD approval does not relieve PNM of responsibility for compliance with any other federal, state or local laws and regulations.

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

Sincerely,

/s/

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Aztec District Office

Ford, Jack

From: System Administrator [postmaster@pnm.com]
Sent: Thursday, March 14, 2002 10:32 AM
To: JWFORD@state.nm.us
Subject: Delivered: Work Plan Approval

Work Plan Approval

<<Work Plan Approval>> Your message

To: 'rdelapp@pnm.com'
Cc: Foust, Denny
Subject: Work Plan Approval
Sent: Thu, 14 Mar 2002 10:25:29 -0700

was delivered to the following recipient(s):

DeLapp, Robin on Thu, 14 Mar 2002 10:24:36 -0700
MSEXCH:MSExchangeMTA:CENTRAL:ALBMAIL1

March 14, 2002

Via e-mail

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

RE: UNDERGROUND PIPELINE INTEGRITY TESTING
ESPEJO COMPRESSOR STATION, GW-066 AND REDONDO COMPRESSOR STATION, GW-065

Dear Ms. DeLapp:

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

Sincerely,

/s/

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Aztec District Office

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 8, 2002

Mr. Roger Anderson
New Mexico Oil Conservation Division (OCD)
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Public Service Company of New Mexico
Groundwater Discharge Plan Approvals for
Espejo Compressor Station (GW-066) and Redonda Compressor Station (GW-065)

Dear Mr. Anderson,

The Public Service Company of New Mexico (PNM) hereby notifies the OCD of its plans to conduct underground process/wastewater pipeline mechanical integrity testing at the Espejo and Redonda Compressor Stations on March 19, 2002. PNM proposes to conduct the tests in accordance with the test methods and procedures attached for review and approval by OCD. In accordance with Discharge Plan Approval Condition 10, PNM is submitting this notification at least 72 hours prior to the tests. Please call me at (505) 241-2016 if you have any questions.

Sincerely,

Robin K. DeLapp

Robin K. DeLapp
Senior Environmental Scientist

rkd
Enclosure

cc: Dan Engert, PNM
DCC
ESD Files

Public Service Company of New Mexico
Process and Wastewater Drain Lines Pressure Test Procedure

PNM will provide a group of employees to perform hydrostatic drain line testing at the facilities. The drain line testing will be performed in accordance with the New Mexico Oil Conservation Division (NM-OCD) Ground Water Discharge Plan requirements.

The underground pipelines carrying fluids, process, or wastewater will be isolated and will be filled with clean water to remove airspace. A water-filled riser of sufficient height to provide three pounds per square inch (psi) above normal operating pressure will be installed. The height of the water column will be noted. Each system will be considered not leaking when the height of the water column holds steady for a period of 60 minutes. If the water in the riser pipe drops during the test, valves, plugs, and other blocking methods will be checked and the test repeated. If the repeated test fails, the system will be classified as leaking.

Line leaks will be located using one of the following detection methods. Hydro detection, which consists of filling the system with water, will be used to locate areas of the system where the surface is wet. This method is used first, due to the fact that the system is already filled with water and some leaks are quickly detectable. If the leaking area of the system is not located in a reasonable length of time, the system will be drained of water the filled with an inert gas. A specific gas detector will be used to locate the leak. In the event these methods fail, areas where leaks are most likely to occur, such as valves, unions and connections will be excavated for visual inspection. After a leak is located, the soil around the leak will be sampled to determine if it has been impacted. The leak will be repaired and the system re-checked for the possibility of multiple leaks.

Should any impacted soils be encountered, PNM's Environmental Services Department will be contacted and a remediation plan for impacted soils will be developed in accordance with regulatory requirements.

THE SANTA FE
NEW MEXICAN
Founded 1849

OIL CONSERVATION DIV.
01 MAY 29 PM 1:09

NEW MEXICO OIL CONSERVATION DIVISION
ATTN: ED MARTIN
2040 S. PACHECO
SANTA FE, NM 87505

AD NUMBER: 208170 ACCOUNT: 56689
LEGAL NO: 69228 P.O.#: 01199000033
186 LINES 1 time(s) at $ 82.00
AFFIDAVITS: 5.25
TAX: 5.45
TOTAL: 92.70

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, M M Weedeman 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 #69228 a copy of which is hereto attached was published in said newspaper 1 day(s) between 05/25/2001 and 05/25/2001 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 25 day of May, 2001 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ M M Weedeman
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 25 day of May 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

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-066) - Public Service Company of New Mexico, D.J. Engert, Compressor Plant Manger, 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 50 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. 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 384 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 6th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY, Director
Legal #69228
Pub. May 25, 2001

Ford, Jack

From: Martin, Ed
Sent: Monday, May 21, 2001 12:23 PM
To: 'Santa Fe New Mexican'
Cc: Ford, Jack
Subject: Legal Notices

Please publish the attached notices one time only upon receipt of this request.
Upon notification, please send the following to this office:

1. Publisher's affidavit
2. Invoice. Our purchase order number is: **01199000033**

Please publish not later than May 25, 2001.
If you have any questions, please e-mail me or phone (505) 476-3492.
Thank you.


Publ. Notice
GW-065.doc


Publ. Notice
GW-066.doc

NOTICE OF PUBLICATION

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

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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 6th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

for LORI WROTENBERY, Director

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 Conservation Commission at Santa Fe, New Mexico, on this 6th day of March, 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

for LORI WROTENBERY, Director

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)

Filing Fee Paid

☐ New ☑ Renewal ☐ Modification

1. Type: **Espejo Compressor Station at Santa Fe Junction**
2. Operator: **Public Service Company of New Mexico (PNM)**

   Address: **Alvarado Square, Albuquerque, NM 87158**

   Contact Person: **D.J. Engert, Compressor Plant Manager** Phone: **(505) 241-4512**
3. Location: **NW** /4 **NW** /4 Section **31** Township **12N** Range **2E**
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI 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: D J Engert Date: 05/14/01

1 General Information

This document follows the format presented in "Guidelines for the Preparation of Ground Water Discharge Plants at Natural Gas Processing Plants" a copy of which can be found in Appendix A.

I. General Information

A. Name of Discharger or Legally Responsible Party:
Public Service Company of New Mexico (PNM)
Alvarado Square
Albuquerque, NM 87102
(505) 241-4512

B. Name of Local Representative or Contact Person:
D.J. Engert, Compressor Plant Manager
Public Service Company of New Mexico (PNM)
Alvarado Square
Albuquerque, NM 87102-1007
(505) 241-4512

C. Location of Discharge:
Township 12 North, Range 2 East, NMPM
Unit 9, Rio Rancho Estates
Sandoval County, NM (see Plate 1)

D. Types of Natural Gas Operations:
A compression facility used for the transportation of pipeline quality natural gas (see Plate 2).

Process: Pipeline quality gas enters the station at a minimum pressure of 400 psig. The natural gas will be compressed and discharged from the station into a pipeline at a maximum pressure of 913 psig.

Design Conditions: Single Stage Compression – (3) Reciprocating Compressors
Gas Volume: 20-105 MMSCFD
Station hp: 4,090 hp

E. Copies
Three copies of Discharge Plan are submitted to OCD as required.

F. Affirmation

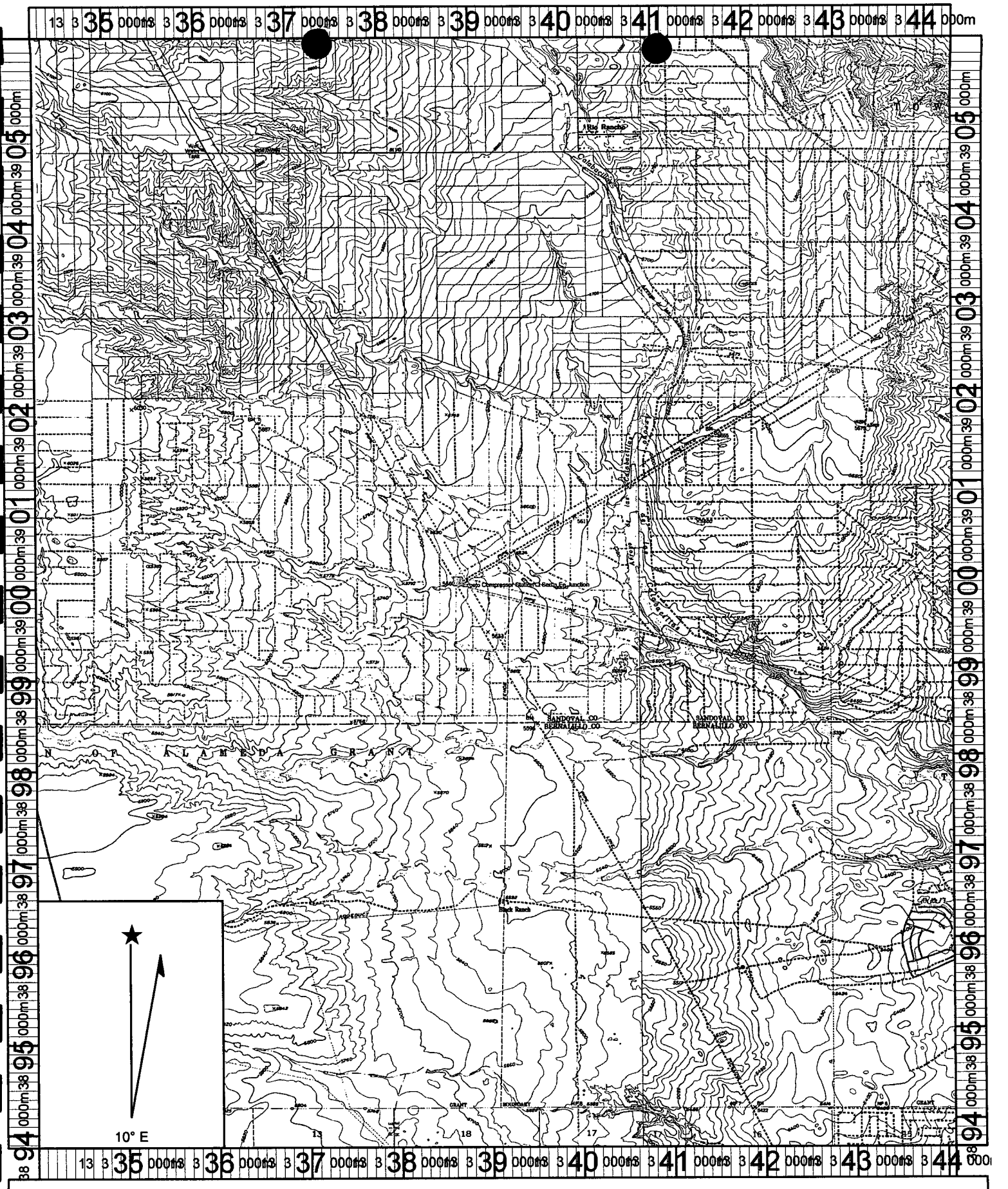
"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan and that such information is true, accurate, and complete to the best of my knowledge and belief."

Signature

05/14/01
Date

DANIEL J. ENGERT
Printed Name

MANAGER
Title



Name: VOLCANO RANCH
Date: 5/15/2001
Scale: 1 inch equals 4444 feet

Location: 13 339148 E 3899877 N
Caption: Plate 1: Location of Discharge

Espejo Compressor Station at Santa Fe Junction

4/25/2001

ALBUQUERQUE M/L STATION #6606+90 , MILE POST 125.13

RIO RANCHO ESTATES, UNIT NINE

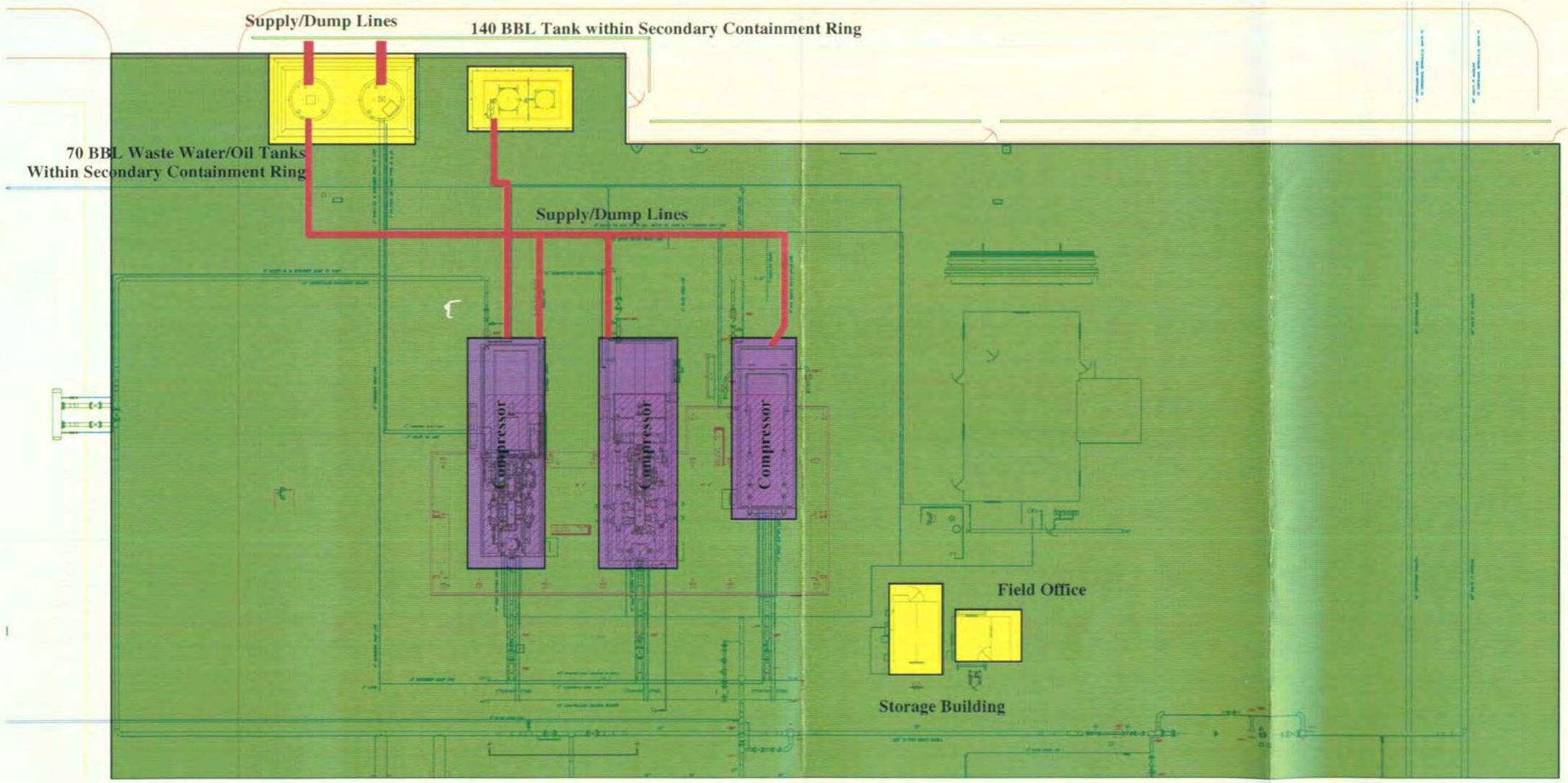
N.W. 1/4 SEC. 31, T-12-N, R-02-E

TOWN OF ALAMEDA GRANT, SANDOVAL COUNTY, NEW MEXICO

N

W E

S



II. Plant Processes

A. Sources and Quantities of Effluent and Process Fluids

The natural gas passing through the compressor station is greater than 90% methane by volume.

1. Fresh water will be used to clean or wash-down the compressors, engines, and floors of the compressor buildings. Contaminants in the water consist of dirt and small amounts of lubricating oil that may spill onto the floor of the compressor building during routine maintenance. The usage rate of wash-down water is estimated at 50 gallons per month. The used water is stored in a used water tank.

2. The oil utilized in the compressor engines is changed based on compressor run-time and used at a rate of 200 gallons per month. The used oil is transferred to a used oil tank.

3. A glycol coolant is added to the compressors as evaporation takes place. The replacement rate of the coolant is estimated to be 20 gallons per month.

4. The gas turbines have an oil usage rate of approximately 30 gallons per month.

B. Quality Characteristics

1. Mobil Pegasus 89 and Pegasus 805 engine oil is used as lubricating oil for the compressor engines. Refer to the Material Safety Data Sheets (MSDS) in Appendix B for a description of this product.

2. Ethylene glycol FL-50 is used as the coolant for the compressor engines. Refer to the Material Safety Data Sheets (MSDS) in Appendix B for a description of this product.

C. Transfer and Storage of Process Fluids and Effluents

1. All pressure vessels in this plant conform to ASME Code. All process piping was designed and installed per ASME B31.3 Code. Retesting of the effluent lines, with the exception of the five-foot stretch of gravity fed wastewater line, will take place within one year of the approval of this discharge plan.. All pressure piping welds were 100% x-rayed. Maximum operating pressures for the pipelines are suction, 600 psia; and discharge, 913 psia.

2. The station has a 6000-gallon above ground tank divided into three sections that hold up to 3000 gallons of ethylene glycol FL-50, 2000 gallons of Pegasus 89, and 1000 gallons of Pegasus 805. The tank is located on a concrete slab within a steel containment ring designed to contain 1.5 times the capacity of the tank.

3. The station has a 3000-gallon capacity used oil tank and a 3000-gallon capacity used water tank. The tanks are located on a concrete slab within a steel containment ring designed to contain 1.5 times the capacity of one of the tanks.

D. Spill/Leak Prevention and Housekeeping Procedures

1. All operations personnel have been instructed to handle process fluid spills or leaks as follows:

   - Small spills: Cover with sand to soak up fluid and shovel into drums for off-site disposal.

   - Large spills: Dike around spill and pump into drums. Call vacuum truck if necessary.

   - Any spill large enough to require a dike to contain it will be reported immediately by phone to the OCD. Written notification will be sent to OCD within one week as specified in Rule 116 of the New Mexico Water Quality Control Commission Regulation.

2. Each aboveground tank will be located within a bermed area with a capacity of at least 1-1/2 times the volume of the largest tank.

3. A daily walk-through inspection will be performed by the compressor station operator.

4. All areas identified during operation as susceptible to leaks or spills will be paved, bermed, or otherwise contained to prevent the discharge of any effluents.

III. Effluent Disposal

1. All effluents from the site will be collected, hauled, and disposed of by a recycling contactor approved by the NMOCD.

2. The shipping agent contracted for the off-site disposal is Mesa Environmental, Inc., 7329 Bradburn, Denver, CO 80030.

IV. Site Characteristics

A. Hydrologic Features:

1. Based on well information from the New Mexico State Engineers office, estimated depth to ground water at the site is 719 feet.

2. The aquifer for this area is the Santa Fe Group aquifer of the Rio Grande Valley fill.

B. Geologic Description of Discharge Site

A soil survey was performed by Western Technologies, Inc. 8305 Washington Place, N.E., Albuquerque, New Mexico 87113. Geotechnical borings drilled to a depth of 25 feet encountered primarily fine to medium grained silty sand with some sandy silts. Surface soils to depths of 10 to 13 feet were found to be of moderate calcareous cementation. Region subsoils consist of a thin upper Quarternary valley fill underlain by upper Santa Fe group basin fill. The Santa Fe Junction station lies approximately 4 miles east of the Sand Hills fault zone in the Llano de Albuquerque area.

C. Flood Protection

Flooding is very unlikely and flood protection is not necessary.

V. Additional Information

Produced water will not be present in the pipeline because all gas transported through this system will be a marketable, methane rich, pipeline quality gas.

Contractors used for the hauling and final disposal of the compressor oil will be approved by the New Mexico Environmental Environment Department.

There are no exposed pits or open top tanks exceeding sixteen feet in diameter at this facility. No screening or netting is necessary to preserve wildlife.

All reasonable and necessary measures will be taken to prevent the exceedances of 20 NMAC 6.2.3103 quality standards should PNM choose to close the facility permanently. Closure measures will include removal or closure in place of any underground piping and equipment. All tanks will be emptied. No potentially toxic materials or effluents will remain on 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.

GUIDELINES FOR THE PREPARATION OF DISCHARGE PLANS

AT NATURAL GAS PLANTS, REFINERIES, COMPRESSOR AND CRUDE OIL PUMP STATIONS

(Revised 12-95)

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
SANTA FE, NEW MEXICO 87505
PHONE: 505-476-3440
FAX: 505-476-3462

Introduction

The New Mexico Oil Conservation Division (OCD) regulates disposal of non-domestic wastes resulting from the activities at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations pursuant to authority granted in the New Mexico Oil and Gas Act and the Water Quality Act. OCD administers, through delegation by the New Mexico Water Quality Control Commission (WQCC), all Water Quality Act regulations pertaining to surface and ground water except sewage. However, if the sewage is in a combined waste stream, the OCD will have jurisdiction.

Sections 3104 and 3106 of the WQCC Regulations stipulate that, unless otherwise provided for by the regulations, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into the ground water unless such discharge is pursuant to a discharge plan approved by the director. The Oil and Gas Act (Section 70-2-12.B(22)) authorizes the OCD to regulate the disposition of non-domestic, non-hazardous wastes at oil field facilities to protect public health and the environment. The OCD has combined these requirements into one document, (a "discharge plan") that will provide protection to ground water, surface water and the environment through proper regulation of the transfer and storage of fluids at the facility, and disposal of waste liquids and solids.

A proposed discharge plan shall set forth in detail the methods or techniques the discharger proposes to use which will ensure compliance with WQCC regulations and the Oil and Gas Act. The proposed discharge plan must provide the technical staff and the director of the regulating agency (in this case, the OCD) with sufficient information about the operation to demonstrate that the discharger's activities will not cause state regulations or ground water standards (WQCC Section 3103) to be violated.

A facility having no intentional liquid discharges still is required to have a discharge plan. Inadvertent discharges of liquids (ie. leaks and spills, or any type of accidental discharge of contaminants) or improper disposal of waste solids still have a potential to cause ground water contamination or threaten public health and the environment. The discharge plan must address surface facility operations including storage pits, tankage and loading areas.

For new or proposed facilities, WQCC Regulation 3106.B. requires the submittal and approval of a discharge plan prior to the start of discharges. The regulation further specifies that "for good cause shown, the director may allow such a person to discharge without an approved discharge plan for a period not to exceed 120 days."

For existing facilities, WQCC Regulation 3106.A. provides for submittal of a ground water discharge plan within "120 days of receipt of written notice that a discharge plan is required, or such longer time as the director shall for good cause allow." Dischargers not having an approved discharge plan may continue discharging "without an approved discharge plan until 240 days after written notification by the director that a discharge plan is required or such longer time as the director shall for good cause allow."

The following discharge plan application guidelines have been prepared for use by the discharger to aid in fulfilling the requirements of Sections 3106 and 3107 of the WQCC regulations and to expedite the review process by minimizing OCD requests for additional information. It sets up a logical sequence in which to present the information required in a discharge plan for this type of facility. It is suggested that you read the entire document before preparing your application. Not all information discussed may be applicable to your facility. However, all sections of the application must be completed.

NOTE: A completed "Discharge Application" form including date and signature must be included with the application along with the filing fee described in WQCC 3114. The filing fee should be made payable to - NMED Water Quality Management Fund.

If there are any questions on the preparation of a discharge plan, please contact OCD's Environmental Bureau. (1220 S. St. Francis Dr., Santa Fe, New Mexico 87505 or by telephone at (505) 476-3440).

A. Process specific chemicals - i.e. TEG, Amine, Lean Oil, etc.

B. Acids/Caustics;

C. Detergents/soaps;

D. Solvents, inhibitors and degreasers;

E. Paraffin Treatment/Emulsion breakers;

F. Biocides;.

G. Others;

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

A. For each source include types of major effluent (e.g. produced water, spent gas treating fluids, heat media, hydrocarbons, sewage, etc.) estimated quantities in barrels or gallons per month, and types and volumes of major additives (e.g. acids, biocides, detergents from steam cleaner, degreasers, corrosion inhibitors etc.)

1. Separator(s), Scrubber(s), and Slug Catcher(s);

2. Boilers, Waste Heat Recovery Units, cogeneration facilities, and cooling towers/fans;

3. Wash down/Steam out effluent from process and storage equipment internals and externals;

4. Solvent/degreaser use;(Describe)

5. Spent acids or caustics; (Describe).

6. Used engine coolants;(i.e. antifreeze)

7. Used lubrication and motor oils;

8. Used lube oil and process filters;

9. Solids and sludges from tanks (provide description of materials)

10. Painting wastes;

C. Commingled Waste Streams.

Note: It is recommended that waste streams be segregated as much as possible-especially those wastes that are exempt from RCRA Subtitle C regulations and those that are non-exempt. If hazardous wastes are on site they should never be commingled with exempt wastes or non-exempt non-hazardous wastes. For guidance in dealing with hazardous wastes contact the NMED Hazardous and Radioactive Materials Bureau at 505-827-1558.

1. If produced and process fluids are commingled within the facility, and if individual rates, volumes and concentrations do not vary beyond a set range, and if process units are entirely self-contained to prevent intentional discharges and spills or inadvertent discharges (see B. 3,4 previous page), then chemical characterization of commingled effluent or process streams may be sufficient to satisfy discharge plan requirements.

2. If the discharger wishes to submit information on commingled streams in lieu of submittal of individual stream characteristics, adequate information should be provided to justify the request.

8. Description of Current Liquid and Solid Waste Collection/Storage/Disposal Procedures

A. Summary Information.

For each source listed in Part 7, provide summary information about onsite collection, storage and disposal systems. Indicate whether collection/storage/disposal location is tank or drums, floor drain or sump, lined or unlined pit, onsite injection well, leach field, or offsite disposal.

B. Collection and Storage Systems.

1. For collection and storage systems named in Part A, provide sufficient information to determine what water contaminants may be discharged to the surface and subsurface within the facility. Water and wastewater flow schematics may be used provided they have sufficient detail to show individual treatment units. Information desired includes whether tanks, piping, and pipelines are pressurized, above ground or buried. If fluids are drained to surface impoundments, oil skimmer pits, emergency pits, shop floor drains, sumps, etc. for further transfer and processing, provide size and indicate if these collection units are lined or unlined. If lined describe lining material (e.g. concrete, steel tank, synthetic liner, etc.).

(3) Injection wells - Describe effluent injected, volume, depth, formation, OCD order number and approval date. The effluent must not be classified as a hazardous waste at the time of injection. (Note - Any sump, floor drain or hole deeper than wide used for subsurface emplacement of fluids may be considered an injection well unless its integrity to contain fluids can be (demonstrated). Class II injection wells are required to have an OCD permit and can only inject produced water or other waste fluids brought to the surface that are Exempt from RCRA Subtitle C Hazardous Waste regulations. A Part 5 WQCC Class I Non-Hazardous discharge plan approval will be required if the injection well is used to dispose of Non-Exempt, Non-Hazardous effluent. The effluent can not be classified as a Hazardous Waste by characteristics or listing as spelled out in RCRA Subtitle C.

(4) Drying beds or other pits - Types and volumes of waste, area, capacity, liner, clean-out interval and method, and ultimate disposal location.

(5) Solids disposal - Describe types volumes frequency and location of on-site solids dried disposal. Types solids include sands, sludges, filters, containers, cans and drums.

(6) Landfarms- Describe the surface dimensions of the landfarm area and the operational and monitoring procedures.

NOTE: The OCD has developed specific guidelines for the construction, operation, and monitoring of landfarms.

b. For leach fields, pits, and surface impoundments having single liners of any composition, clay liners or that are unlined and not proposed to be modified or closed as part of this discharge plan:

(1) Describe the existing and proposed measures to prevent or retard seepage such that ground water at any place of present or future use will meet the WQCC Standards of Section 3103, and not contain any toxic pollutant as defined in Section 1101.TT.

(2) Provide the location and design of site(s) and method(s) to be available for effluent sampling. and for measurement or calculation of flow rates.

1. The frequency of sampling, and constituents to be analyzed.

2. The proposed periodic reporting of the results of the monitoring and sampling.

3. The proposed actions and procedures (including OCD notification) to be undertaken by the discharger in the event of detecting leaks or failure of the discharge system.

C. Discuss general procedures for containment of precipitation and runoff such that water in contact with process areas does not leave the facility, or is released only after testing for hazardous constituents. Include information on curbing, drainage, disposition, notification, etc.

11. Spill/Leak Prevention and Reporting Procedures (Contingency Plans)

It is necessary to include in the discharge plan submittal a contingency plan that anticipates where any leaks or spills might occur. It must describe how the discharger proposes to guard against such accidents and detect them when they have occurred. The contingency plan also must describe the steps proposed to contain and remove the spilled substance or mitigate the damage caused by the discharge such that ground water is protected, or movement into surface waters is prevented. The discharger will be required to notify the OCD Director of significant leaks and spills, and this commitment and proposed notification threshold levels must be included in the contingency plan. In any case the local OCD District field office should be notified by telephone within 24 hours of a significant spill or release as defined in OCD Rule 116 and WQCC Section 1203.

NOTE: USE NMOCD RULE 116 AND WQCC Section 1203 for spill reporting

A. Describe proposed procedures addressing containment, cleanup and reporting in case of major and minor spills at the facility. Include information as to whether areas are curbed, paved and drained to sumps; final disposition of spill material; proposed schedule for OCD notification of spills; etc.

B. Describe methods used to detect leaks and ensure integrity of above and below round tanks, and piping. Discuss frequency of inspection and procedures to be undertaken if significant leaks are detected.

C. If an injection well is used for on-site effluent disposal, describe the procedures to be followed to prevent unauthorized discharges to the surface or subsurface in the event the disposal well or disposal line is shut-in for work over or repairs (e.g. extra storage tanks, emergency pond, shipment offsite, etc.). Address actions to be taken in the event of disposal pipeline failure, extended disposal well downtime, etc.

B. Additional Information

Provide any additional information necessary to demonstrate that approval of the discharge plan will not result in concentrations in excess of the standards of WQCC Section 3103 or the presence of any toxic pollutant (Section 1101.TT.) at any place of withdrawal of water for present or reasonably foreseeable future use. Depending on the method and location of discharge, detailed technical information on site hydrologic and geologic conditions may be required to be submitted for discharge plan evaluation. This material is most likely to be required for unlined surface impoundments and pits, and leach fields. Check with OCD before providing this information. However, if required it could include but not be limited to:

1. Stratigraphic information including formation and member names, thickness, lithologies, lateral extent, etc.

2. Generalized maps and cross-sections;

3. Potentiometric maps for aquifers potentially affected;

4. Porosity, hydraulic conductivity, storativity and other hydrologic parameters of the aquifer;

5. Specific information on the water quality of the receiving aquifer; and

6. Information on expected alteration of contaminants due to sorption, precipitation or chemical reaction in the unsaturated zone, and expected reactions and/or dilution in the aquifer.

13. Other Compliance Information

Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. Examples include previous Division orders or letters authorizing operation of the facility or any surface impoundments at the location.

1. Also include a brief statement committing to NMOCD Rule 116 and WQCC Section 1203 spill/leak reporting.

2. A closure plan as described in WQCC Section 3107.A.11 " Monitoring, Reporting, and other Requirements." The "Closure Plan" shall include all of the information described in WQCC Section 3107.A.11 and can use OCD guidelines for accepted remmediation techniques and unlined surface impoundment closure guidelines.

605717-00 MOBIL PEGASUS 89
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 89
SUPPLIER: MOBIL OIL CORP.
NORTH AMERICA MARKETING AND REFINING
3225 GALLOWS RD.
FAIRFAX. VA 22037

24 - Hour Emergency (call collect):	609-737-4411	
Product and MSDS Information:	800-662-4525	856-224-4644
CHEMTREC:	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES
INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:
This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.
See Section 15 for European Label Information.
See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.
EFFECTS OF OVEREXPOSURE: No significant effects expected.
EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water.
INHALATION: Not expected to be a problem.
INGESTION: Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from

fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 248(479) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.
EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.
APPEARANCE: Liquid
COLOR: Amber

ODOR: Marketable
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): NE
MELTING POINT C(F): NA
FLASH POINT C(F): 245(473) (ASTM D-92)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, cSt: 130.0
VISCOSITY AT 100 C, cSt: 13.5
POUR POINT C(F): -12(10)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Not applicable ---Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
---SUBCHRONIC TOXICOLOGY (SUMMARY)---
Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---CHRONIC TOXICOLOGY (SUMMARY)---
The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.
EU Labeling:
Symbol: * EU labeling not required..
Risk Phrase(s): R.
NA
Safety Phrase(s): Not applicable.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
This product contains no chemicals reportable under SARA (313) toxic release program.
The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
XYLENES (0.03%)	1330-20-7	22
ZINC (ELEMENTAL ANALYSIS) (<0.04%)	7440-66-6	22

PHOSPHORODITHOIC ACID, O,O-DI C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) 68649-42-3 22 (0.33%)

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: ENGINE LUBRICANT
NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

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For Internal Use Only: MHC: 0* 0* NA 1* 1*, MPPEC: A, TRN: 602466-00, GLIS: 400795, CMCS97: 97D936, REQ: US - MARKETING, SAFE USE: L
EHS Approval Date: 21AUG2000

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602466-00 MOBIL PEGASUS 805
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 805
SUPPLIER: MOBIL OIL CORP.
NORTH AMERICA MARKETING AND REFINING
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Emergency (call collect):	609-737-4411	
Product and MSDS Information:	800-662-4525	856-224-4644
CHEMTREC:	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES
INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:
This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.
See Section 15 for European Label Information.
See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.
EFFECTS OF OVEREXPOSURE: No significant effects expected.
EMERGENCY RESPONSE DATA: Light Amber Liquid. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water.
INHALATION: Not expected to be a problem.
INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from

fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): 245(473) (ASTM D-92). Flammable limits - LEL: NE, UEL: NE.
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.
EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.
APPEARANCE: Liquid
COLOR: Light Amber

ODOR: Mild
ODOR THRESHOLD-ppm: NE
pH: 8.8
BOILING POINT C(F): 388(730)
MELTING POINT C(F): NA
FLASH POINT C(F): > 248(479) (ASTM D-92)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: 121.5
VISCOSITY AT 100 C, cSt: 13.0
POUR POINT C(F): -15(5)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NA
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.
---SUBCHRONIC TOXICOLOGY (SUMMARY)---
Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses

significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Ames Test and IP-346.

---SENSITIZATION (SUMMARY)---

Representative Mobil formulations have not caused skin sensitization in guinea pigs.

---OTHER TOXICOLOGY DATA---

Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. There is no evidence to suggest bioaccumulation will occur. It is not expected to be toxic to aquatic organisms.
Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.
EU Labeling: EU labeling not required.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
This product contains no chemicals reportable under SARA (313) toxic release program.
The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.03%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZODP) (0.26%)	68649-42-3	22

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL
NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

For Internal Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, TRN: 605717-00, GLIS: 403164, CMCS97: 979930, REQ: US - MARKETING, SAFE USE: L
EHS Approval Date: 19JUN1999

Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropiate warnings and safe handling procedures should be providedto handlers and users. Use or re-transmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

011 06/16/00 AMBITROL* FL 50 COOLANT

PRODUCT NAME:
AMBITROL* FL 50 COOLANT

MSDS #: DW07666

2. COMPOSITION/INFORMATION ON INGREDIENTS

ETHYLENE GLYCOL	CAS# 000107-21-1	50-53%
DIPOTASSIUM PHOSPHATE	CAS# 007758-11-4	<3%
WATER	CAS# 007732-18-5	<50%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

****
* COLORED LIQUID. GLYCOL ODOR. NO SIGNIFICANT IMMEDIATE HAZARDS FOR *
* EMERGENCY RESPONSE ARE KNOWN. *
* *
****

POTENTIAL HEALTH EFFECTS (SEE SECTION 11 FOR TOXICOLOGICAL DATA.)

EYE: MAY CAUSE SLIGHT TRANSIENT (TEMPORARY) EYE IRRITATION. CORNEAL INJURY IS UNLIKELY. VAPORS OR MISTS MAY CAUSE EYE IRRITATION.

SKIN: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SLIGHT SKIN IRRITATION. MAY CAUSE MORE SEVERE RESPONSE IF SKIN IS ABRADED (SCRATCHED OR CUT). A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. REPEATED SKIN EXPOSURE TO LARGE QUANTITIES MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS.

INGESTION: SINGLE DOSE ORAL TOXICITY IS BELIEVED TO BE MODERATE. EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, CARDIOPULMONARY EFFECTS (METABOLIC ACIDOSIS) AND KIDNEY FAILURE. SMALL AMOUNTS SWALLOWED INCIDENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY; HOWEVER, SWALLOWING AMOUNTS LARGER THAN THAT MAY CAUSE SERIOUS INJURY, EVEN DEATH. SINGLE DOSE ORAL TOXICITY IS EXPECTED TO BE MODERATE TO HUMANS EVEN THOUGH TESTS WITH ANIMALS SHOW A LOWER DEGREE OF TOXICITY. THE LETHAL DOSE IN HUMANS IS ESTIMATED TO BE 100 ML (3 OUNCES) FOR ETHYLENE GLYCOL.

INHALATION: AT ROOM TEMPERATURE, VAPORS ARE MINIMAL DUE TO LOW VAPOR PRESSURE. IF MATERIAL IS HEATED OR MIST IS PRODUCED, CONCENTRATIONS MAY BE ATTAINED THAT ARE SUFFICIENT TO CAUSE IRRITATION AND OTHER EFFECTS.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT (NOSE AND THROAT). OBSERVATIONS IN ANIMALS INCLUDE KIDNEY AND LIVER EFFECTS AND DEPOSITION OF CALCIUM SALTS IN VARIOUS TISSUES AFTER LONG-TERM DIETARY INTAKE OF ETHYLENE GLYCOL.

CANCER INFORMATION: ETHYLENE GLYCOL DID NOT CAUSE CANCER IN LONG-TERM ANIMAL STUDIES.

TERATOLOGY (BIRTH DEFECTS): BASED ON ANIMAL STUDIES, INGESTION OF VERY LARGE AMOUNTS OF ETHYLENE GLYCOL APPEARS TO BE THE MAJOR AND POSSIBLY ONLY ROUTE OF EXPOSURE TO PRODUCE BIRTH DEFECTS. EXPOSURES BY INHALATION (TESTED NOSE-ONLY IN ANIMALS TO PREVENT INGESTION) OR SKIN CONTACT, THE PRIMARY ROUTES OF OCCUPATIONAL EXPOSURE, HAD MINIMAL OR ESSENTIALLY

NO EFFECT ON THE FETUS.

REPRODUCTIVE EFFECTS: INGESTION OF LARGE AMOUNTS OF ETHYLENE GLYCOL HAS BEEN SHOWN TO INTERFERE WITH REPRODUCTION IN ANIMALS. SPECIFICALLY, GROWTH RETARDATION AND DECREASED LITTER SIZE IN RATS AND MICE AND DECREASED MATING FREQUENCY IN MICE WERE OBSERVED.

4. FIRST AID

EYES: FLUSH EYES WITH PLENTY OF WATER.

SKIN: WASH OFF IN FLOWING WATER OR SHOWER.

INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT MEDICAL PERSONNEL. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

NOTE TO PHYSICIAN: EARLY ADMINISTRATION OF ETHANOL MAY COUNTER THE TOXIC EFFECTS OF ETHYLENE GLYCOL -- METABOLIC ACIDOSIS AND RENAL DAMAGE. HEMODIALYSIS OR PERITONEAL DIALYSIS HAVE BEEN OF BENEFIT. NEW ENG. J. MED. 304:21 1981. 4-METHYL PYRAZOLE IS AN EFFECTIVE BLOCKER OF ALCOHOL DEHYDROGENASE AND IS AVAILABLE NOW AS FOMEPIZOLE (ANTIZOL) (R) AND SHOULD BE USED IN THE TREATMENT OF ETHYLENE GLYCOL, DIETHYLENE GLYCOL AND METHANOL INTOXICATION IF AVAILABLE. SUPPORTIVE CARE. TREATMENT BASED ON NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: NONE TO 220F (104C)
METHOD USED: TCC
AUTOIGNITION TEMPERATURE: 748F, 398C (IN AIR)

FLAMMABILITY LIMITS
LFL: 3.2 VOL. PERCENT IN AIR (ETHYLENE GLYCOL)
UFL: NOT DETERMINED

HAZARDOUS COMBUSTION PRODUCTS: COMBUSTION MAY PRODUCE CARBON, CARBON MONOXIDE, CARBON DIOXIDE AND WATER. UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

OTHER FLAMMABILITY INFORMATION: DENSE SMOKE EMITTED WHEN BURNED WITHOUT SUFFICIENT OXYGEN.

EXTINGUISHING MEDIA: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. FOR LARGE-SCALE FIRES, ALCOHOL RESISTANT FOAMS ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY. WATER MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE EXPOSURES AND TO DILUTE SPILLS TO NON-FLAMMABLE MIXTURES. IF POSSIBLE, CONTAIN FIRE RUN-OFF WATER. FOR LARGE SCALE FIRES, DIRECT WATER STREAM MAY CAUSE VIOLENT FROTHING, BUT FINE WATER SPRAY MAY HELP CONTROL SITUATION.

FIRE FIGHTING INSTRUCTIONS: KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY UNNECESSARY ENTRY. WHEN USING WATER SPRAY, BOIL OVER MAY OCCUR WHEN THE PRODUCT TEMPERATURE REACHES THE BOILING POINT OF WATER (TANK TYPE SCENARIOS, NOT

SPILLS).

THIS MATERIAL WILL NOT BURN UNTIL THE WATER CONTENT IS REDUCED BELOW 25% W/W. AT THIS POINT, THE MATERIAL WILL EXHIBIT THE FLAMMABILITY CHARACTERISTICS OF ETHYLENE GLYCOL (I.E. FLASH POINT = 232F (111C), LFL = 3.2 VOL %).

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

6. ACCIDENTAL RELEASE MEASURES (SEE SECTION 15 FOR REGULATORY INFORMATION)

PROTECT PEOPLE: ISOLATE AND CONFINE SPILL AREA. SPILLS MAY BE A SLIPPING HAZARD. IF TEMPERATURE IS ABOVE FLASH POINT, COVER WITH VAPOR SUPPRESSION FOAM UNTIL IT CAN BE CLEANED UP.

PROTECT THE ENVIRONMENT: KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS AND SOIL. MATERIAL IS MORE DENSE THAN WATER AND HAS INFINITE WATER SOLUBILITY.

CLEANUP: SMALL SPILLS: SOAK UP WITH ABSORBENT MATERIAL AND SCOOP INTO CONTAINERS. LARGE SPILLS: PREVENT CONTAMINATION OF WATERWAYS. DIKE AND PUMP INTO SUITABLE CONTAINERS. CLEAN UP RESIDUAL WITH ABSORBENT MATERIAL AND WASH WITH WATER.

7. HANDLING AND STORAGE

HANDLING: AVOID BODY CONTACT. PROVIDE ADEQUATE VENTILATION. ABOVE FLASH POINT VAPOR-AIR MIXTURES WILL BURN WITHIN FLAMMABLE LIMITS.

SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURE POSSIBLY RESULTING IN SPONTANEOUS COMBUSTION.

STORAGE: STORE IN SEALED CONTAINERS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: USE SAFETY GLASSES. IF VAPOR EXPOSURE CAUSES EYE DISCOMFORT, USE A FULL-FACE RESPIRATOR.

SKIN PROTECTION: WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT COULD OCCUR, USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS FACESHIELD, GLOVES, BOOTS, APRON, OR FULL-BODY SUIT WILL DEPEND ON OPERATION. IF HANDS ARE CUT OR SCRATCHED, USE GLOVES IMPERVIOUS TO THIS MATERIAL EVEN FOR BRIEF EXPOSURES.

RESPIRATORY PROTECTION: ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINE. FOR MOST CONDITIONS, NO RESPIRATORY PROTECTION SHOULD BE NEEDED; HOWEVER, IF MATERIAL IS HEATED OR SPRAYED, USE AN APPROVED AIR-PURIFYING RESPIRATOR.

EXPOSURE GUIDELINE(S):
ETHYLENE GLYCOL ACGIH TLV IS 100 MG/M3, AEROSOL CEILING, A4. OSHA PEL IS 50 PPM CEILING.

PELS ARE IN ACCORD WITH THOSE RECOMMENDED BY OSHA, AS IN THE 1989 REVISION OF PELS.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: COLORED LIQUID
ODOR: GLYCOL LIKE.
VAP. PRESS: 16 MMHG @ 20C, 68F
VAP. DENSITY: >1.0
BOILING POINT: 226F, 108C
SOL. IN WATER: INFINITE
SP. GRAVITY: 1.08 @ 60/60F, 16C

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: EXCELLENT THERMAL STABILITY CHARACTERISTICS AT TYPICAL USE TEMPERATURES.

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY WITH OTHER MATERIALS: OXIDIZING MATERIALS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION (SEE SECTION 3 FOR POTENTIAL HEALTH

EFFECTS. FOR DETAILED TOXICOLOGICAL DATA, WRITE OR CALL THE

ADDRESS OR NON-EMERGENCY NUMBER SHOWN IN SECTION 1)

INGESTION: THE ORAL LD50 FOR RATS IS >8200 MG/KG FOR A SIMILIAR MATERIAL.

SKIN: THE LD50 FOR SKIN ABSORPTION IN RABBITS IS >2000 MG/KG FOR A SIMILIAR MATERIAL.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): IN VITRO MUTAGENICITY STUDIES WERE NEGATIVE FOR ETHYLENE GLYCOL. ANIMAL MUTAGENICITY STUDIES WERE NEGATIVE FOR ETHYLENE GLYCOL.

12. ECOLOGICAL INFORMATION (FOR DETAILED ECOLOGICAL DATA, WRITE OR CALL

THE ADDRESS OR NON-EMERGENCY NUMBER SHOWN IN SECTION 1)

ENVIRONMENTAL DATA:

MOVEMENT & PARTITIONING: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT. BIOCONCENTRATION POTENTIAL IS LOW (BCF LESS THAN 100 OR LOG KOW LESS THAN 3). NO RELEVANT INFORMATION FOUND FOR REMAINING COMPONENTS.

DEGRADATION & TRANSFORMATION: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT. BIODEGRADATION UNDER AEROBIC STATIC LABORATORY CONDITIONS IS HIGH (BOD20 OR BOD28/THOD GREATER THAN 40%). NO RELEVENT INFORMATION FOUND FOR REMAINING COMPONENTS.

ECOTOXICOLOGY: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT. MATERIAL IS PRACTICALLY NON-TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LC50 GREATER THAN 100 MG/L IN MOST SENSITIVE SPECIES). NO RELEVENT INFORMATION FOUND FOR REMAINING COMPONENTS.

13. DISPOSAL CONSIDERATION (SEE SECTION 15 FOR REGULATORY INFORMATION)

DISPOSAL: ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. STATE/PROVINCIAL AND LOCAL REQUIREMENTS FOR WASTE DISPOSAL MAY BE MORE RESTRICTIVE OR OTHERWISE DIFFERENT FROM FEDERAL LAWS AND REGULATIONS. REGULATIONS MAY ALSO VARY IN DIFFERENT LOCATIONS. CHEMICAL ADDITIONS, PROCESSING, STORAGE, OR OTHERWISE ALTERING THIS MATERIAL MAY MAKE THE WASTE MANAGEMENT INFORMATION PRESENTED IN THIS MSDS INCOMPLETE, INACCURATE OR OTHERWISE INAPPROPRIATE. WASTE CHARACTERIZATION AND DISPOSAL COMPLIANCE ARE THE RESPONSIBILITY SOLELY OF THE PARTY GENERATING THE WASTE OR DECIDING TO DISCARD OR DISPOSE OF THE MATERIAL. NONE OF THESE WASTE MANAGEMENT OPTIONS SHOULD BE CONSIDERED "ARRANGING FOR DISPOSAL".

AS A SERVICE TO ITS CUSTOMERS, DOW CAN PROVIDE NAMES OF INFORMATION RESOURCES TO HELP IDENTIFY WASTE MANAGEMENT COMPANIES AND OTHER FACILITIES WHICH RECYCLE, REPROCESS OR MANAGE CHEMICALS OR PLASTICS, AND THAT MANAGE USED DRUMS. TELEPHONE DOW'S CUSTOMER INFORMATION CENTER AT 800-258-2436 OR 517-832-1556 FOR FURTHER DETAILS.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.):

FOR DOT REGULATORY INFORMATION, IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS, PRODUCT SHIPPING PAPERS OR CONTACT YOUR DOW REPRESENTATIVE.

CANADIAN TDG INFORMATION:
FOR TDG REGULATORY INFORMATION, IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS, PRODUCT SHIPPING PAPERS, OR YOUR DOW REPRESENTATIVE.

15. REGULATORY INFORMATION (NOT MEANT TO BE ALL-INCLUSIVE--SELECTED

REGULATIONS REPRESENTED)

NOTICE: THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE SHOWN ABOVE. HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED IS GIVEN. REGULATORY REQUIREMENTS ARE SUBJECT TO CHANGE AND MAY DIFFER FROM ONE LOCATION TO ANOTHER; IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT ITS ACTIVITIES COMPLY WITH FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS. THE FOLLOWING SPECIFIC INFORMATION IS MADE FOR THE PURPOSE OF COMPLYING WITH NUMEROUS FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. SEE OTHER SECTIONS FOR HEALTH AND SAFETY INFORMATION.

SARA 313 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
ETHYLENE GLYCOL	000107-21-1	50 - 53 %

SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:

AN IMMEDIATE HEALTH HAZARD
A DELAYED HEALTH HAZARD

TOXIC SUBSTANCES CONTROL ACT (TSCA):

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

THE CAS NUMBER(S) FOR TSCA IS(ARE):

CAS # 000107-21-1
CAS # 007758-11-4
CAS # 007732-18-5

STATE RIGHT-TO-KNOW: THE FOLLOWING PRODUCT COMPONENTS ARE CITED ON CERTAIN STATE LISTS AS MENTIONED. NON-LISTED COMPONENTS MAY BE SHOWN IN THE COMPOSITION SECTION OF THE MSDS.

CHEMICAL NAME	CAS NUMBER	LIST
ETHYLENE GLYCOL	000107-21-1	NJ3 PA1 PA3

NJ3=NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).
PA1=PENNSYLVANIA HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).
PA3=PENNSYLVANIA ENVIRONMENTAL HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).

OSHA HAZARD COMMUNICATION STANDARD:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, OR SUPERFUND):

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) LISTED AS "HAZARDOUS SUBSTANCES" UNDER CERCLA WHICH MAY REQUIRE REPORTING OF RELEASES:
CATEGORY:

CHEMICAL NAME	CAS#	RQ	% IN PRODUCT
ETHYLENE GLYCOL	000107-21-1	5000	50-53%

CANADIAN REGULATIONS

WHMIS INFORMATION: THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION FOR THIS PRODUCT IS:

D2A - MATERIAL IS TERATOGENIC, EMBRYOTOXIC, OR FETOTOXIC
REFER ELSEWHERE IN THE MSDS FOR SPECIFIC WARNINGS AND SAFE HANDLING INFORMATION. REFER TO THE EMPLOYER'S

WORKPLACE EDUCATION PROGRAM.

CPR STATEMENT: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

HAZARDOUS PRODUCTS ACT INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS WHICH ARE CONTROLLED PRODUCTS AND/OR ON THE INGREDIENT DISCLOSURE LIST (CANADIAN HPA SECTION 13 AND 14):

COMPONENTS:	CAS #	AMOUNT(%W/W)
ETHYLENE GLYCOL	CAS# 000107-21-1	50-53%

---

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

MSDS STATUS: REVISED SECTION 4 (NOTE TO PHYSICIAN).

---------- FOR ADDITIONAL INFORMATION ----------

CONTACT: MSDS COORDINATOR VAN WATERS & ROGERS INC.
DURING BUSINESS HOURS, PACIFIC TIME (425)889-3400

---------- NOTICE ----------

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DO NOT USE INGREDIENT INFORMATION AND/OR INGREDIENT PERCENTAGES IN THIS MSDS AS A PRODUCT SPECIFICATION. FOR PRODUCT SPECIFICATION INFORMATION REFER TO A PRODUCT SPECIFICATION SHEET AND/OR A CERTIFICATE OF ANALYSIS. THESE CAN BE OBTAINED FROM YOUR LOCAL VW&R SALES OFFICE.

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, VW&R MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND VW&RS CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON , INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER PROCESS.

*** E N D O F M S D S ***

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

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

February 11, 1998

Z 357 869 928

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

Sent to Toni Ristau	
Street & Number PNMGS	
Post Office, State, & ZIP Code Albq.	
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 GW-065 & GW-066	

PS Form 3800, April 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-928

Ms. Toni K. Ristau
Director, Environmental Services
PNMGS
Alvardo Square, M.S. 0408
Albuquerque, NM 87158

RE: Discharge Plan Fees
GW-065 Rio Puerco Compressor Station
Valencia County, NM
GW-066 Santa Fe Junction Compressor Station
Sandoval County, NM

Dear Ms. Ristau:

Based upon our telephone discussion of February 10, 1998, enclosed you will find copies of the approved discharge plans and correspondence pertaining to the above referenced compressor station facilities. Discharge flat fees are required for each of these sites based on §3114 of the WQCC Regulations.

The renewal Discharge Plan GW-065 flat fee amount due is $345.00 which is one-half of the original WQCC fee schedule flat fee amount of $690.00 for compressor stations with ratings ranging from 1001 to 3000 horsepower.

The renewal Discharge Plan GW-066 flat fee amount due is $690.00 which is one-half of the original WQCC fee schedule flat fee amount of $1,380.00 for compressor stations with ratings above 3001 horsepower.

The OCD would like to thank you for your assistance in this matter

Sincerely,

Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf

Enclosures (4)

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

June 27, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-623

Ms. Toni K. Ristau
Director, Environmental Services
PNMGS
Alvardo Square, M.S. 0408
Albuquerque, NM 87158

RE: Discharge Plan Fees GW-066
Santa Fe Junction Compressor Station
Sandoval County, New Mexico

Dear Ms. Ristau:

On August 12, 1996, PNMGS, received, via certified mail, an approval dated August 7, 1996 from the New Mexico Oil Conservation Division (OCD) for discharge plan GW-066. Each discharge plan has a filing fee and a flat fee as described in WQCC Section 3114 (**see attachment**). The OCD has not as of this date (June 27, 1997) received the annual incremental amount of $138. The total flat fee amount remaining is $690 of the original $690 flat fee for discharge plan GW-066.

PNMGS will submit the remaining $690 flat fee in full by July 25, 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

c: Mr. Denny Foust - Aztec OCD District Office

attachment

3114. FEES.

A. DEFINITIONS. - As used in this Section:

1. "average discharge" means the average daily flow rate of effluent discharge as measured or estimated over the period of one year; [8-17-91]

2. "billable facility" means any facility or portion of a facility required to have a discharge plan; and [8-17-91]

3. "discharge plan modification" means a change in requirements of a discharge plan as requested by the discharger as a result of past, present or anticipated changes in the quality or quantity of effluent or the location of the discharge; or as required by the secretary. [8-17-91]

B. FEE AMOUNT AND SCHEDULE OF PAYMENT - Every billable facility submitting a discharge plan for approval, modification or renewal shall pay the fees specified in this Section to the Water Quality Management Fund. [8-17-91]

1. The amount of the fee payment for a new discharge plan shall be calculated using the following formula:

TOTAL FEE = FILING FEE + FLAT FEE or DISCHARGE FEE

a. The filing fee is fifty (50) dollars for each new discharge plan application.

b. Billable facilities in the following categories applying for a new discharge plan will pay a flat fee as indicated:

FLAT FEE

Facility Category	Flat Fee
Fuel Terminals	$ 2300
Gas Compressor Stations	
0 to 1000 Horsepower	0
1001 to 3000 Horsepower	690
Greater than 3000 Horsepower	1380
Gas Processing Plants	3335
Injection Wells: Classes I & III and Geothermal	1380
In Situ Leach - except salt	3335
Leach Heaps - copper	3335
Leach Heaps - precious metals	3510
Mine Dewatering	1065
Oil & Gas Service Companies	1380
Refineries	7820
Remediations - discharge plan only	1380
Tailings - copper, uranium & molybdenum	4860
Uranium - ion exchange & evaporation pond	1210

c. All billable facilities applying for a new discharge plan but which are not subject to a flat fee will pay the following fees according to their rate of effluent discharge:

DISCHARGE FEE

Average Discharge Gallons per Day			Fee
0	to	9,999	$ 575
10,000	to	49,999	1150
50,000	to	99,999	1725
100,000	to	499,999	2300
500,000	to	999,999	2875
1,000,000	to	4,999,999	3450
5,000,000	to	9,999,999	4025
10,000,000	and greater		4600

[8-17-91]

2. Billable facilities applying for discharge plans

which are subsequently withdrawn or denied shall pay one-half of the flat fee or discharge fee at the time of denial or withdrawal. [8-17-91]

3. Every billable facility submitting a discharge plan modification or renewal will be assessed a fee equal to the filing fee plus one-half of the flat fee or the discharge fee, whichever is applicable. Applications for both renewal and a modification will pay a fee equal to that assessed a new discharge plan application. [8-17-91]

4. If the secretary requires a discharge plan modification as a component of an enforcement action, the facility shall pay the applicable discharge plan modification fee. If the secretary requires a discharge plan modification outside the context of an enforcement action, the facility shall not be assessed a fee. [8-17-91, 12-1-95]

5. The secretary may waive flat fees or discharge fees for discharge plan modifications which require little or no cost for investigation or issuance. [8-17-91, 12-1-95]

6. Billable facilities shall pay the filing fee at the time of discharge plan application. The filing fee is nonrefundable. The required flat fees or discharge fees may be paid in a single payment or in equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of discharge plan approval. The discharge plan or discharge plan application review of any facility shall be suspended or terminated if the facility fails to submit an installment payment by its due date. [8-17-91]

[3115-4100] Reserved

NOTICE OF PUBLICATION

State Of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division

Notice is hereby given pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal 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-065)-PNMGS, Ms. Toni K Ristau, (505)241-2015, Alvardo Square MS 0408, Albuquerque, NM, 87158, has submitted a Discharge Plan Renewal Application for their Rio Puerco Compressor Station located in Section 25, Township 8 North, Range 3 West, NMPM, Valencia 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 80 feet with a total dissolved solids concentration of approximately 1050 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-066)-PNMGS, Ms. Toni K Ristau, (505)241-2015, Alvardo Square MS 0408, Albuquerque, NM, 87158, has submitted a Discharge Plan Renewal Application for their Santa Fe Junction Compressor Station located in Section 31, Township 12 North, Range 2 East, NMPM, Sandoval 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 719 feet with a total dissolved solids concentration of approximately 364 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 application may be viewed at the above address between 8:00 am and 4:00 pm, Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director to 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 19th day of June, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
/s/William J. Lemay,
WILLIAM J. LEMAY,
Director

(SEAL)

Published in the Valencia County News Bulletin on June 29, 1996.

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO

COUNTY OF Valencia

Sandy Battin being first duly sworn, upon his oath, deposes and says:

1. That he is the Editor of the News Bulletin of Valencia County, a weekly newspaper published in the English language and having been regularly published, issued and in general circulation in the County of Valencia and State of New Mexico, for a period of more than six months next preceeding the first publication of the legal notice herein referred to, a printed copy of which is hereto attached, and is a newspaper duly qualified for that purpose within the meaning of Section 10-2-4 of the New Mexico Statutes Annotated (1953). That the publication, a printed copy of which is hereto attached and made a part hereof, was published in said newspaper in the regular and entire issue of every number of the newspaper during the period of time of publication, and in the newspaper proper and not in a supplement thereof, for One consecutive issues; the first publication being in the issue of the 29th day of June, 19 96, and the last publication being in the issue of the _____ day of _____, 19_____. And deponent further says that the said notice published has been paid for or has been assessed as court costs in the case numbered.

Sandra Battin

Subscribed and sworn to before me the 5th day of July, 19 96.

Melissa Chavez
Notary Public

My commission expires: June 29, 19 2000.

RECEIVED

JUL 0 9 1996

Environmental Bureau
Oil Conservation Division

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 6/19/96

or cash received on _____ in the amount of $ 50.00

from PNM

for Santa Fe Junction GW-066
(Facility Name) (OP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R Chavez Date: 7/2/96

Received in ASD by: Lynne Foley Date: 7-2-96

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

800 [redacted]

[redacted]

PNM

Electric and Gas Services

General Fund Account

CHECK NO.	DATE	AMOUNT
[redacted]	06/19/96	$**********50.00

PAY TO THE ORDER OF

OIL CONSERVATION DIVISION

[redacted]

Benjamin F. Montoya

Authorized Signature

Public Service Company
of New Mexico
Alvarado Square MS. 0408
Albuquerque, NM 87158

June 20, 1996

Mr. Pat Sanchez
NM Energy Minerals & Natural Resources Department
Oil Conservation Division
2040 S. Pacheco St.
Santa Fe, NM 87505

Renewal of discharge plan GW-65, Rio Puerco Compressor Station and
discharge plan GW-66, Santa Fe Junction (also known as Espejo Compressor Station)

Dear Mr Sanchez:

Enclosed are applications for renewal for the above-referenced discharge plans, including addenda to the original plans, showing any changes, and the filing fee of fifty dollars for each. If you need any further information please call me at (505) 241-4954.

Sincerely,

Jean Arya

Jean Arya
Environmental Scientist

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) 848-2120

CO.	BANK	CK DATE	VENDOR NO.	CK NO.
EL	800	06/19/96	OIL120052501	[redacted]

INVOICE	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
FILEFEE,061896	06/18/96	50.00	0.00	0.00	50.00	960610111	FILING FEE	Y

GW-66

RECEIVED

JUN 21 1996

Environmental Bureau
Oil Conservation Division

TOTAL $50.00

THE OBSERVER
New Mexico's Fastest Growing Newspaper

Michael J. Ryan
Publisher

Panorama Plaza Suite D & E
1594 Sara Rd, Rio Rancho, NM 87124
P.O. Box 15878, Rio Rancho, NM 87174
(505)892-8080 FAX (505)892-5719

RECEIVED

JUL 02 1996

Environmental Bureau
Oil Conservation Division

SD_____

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO)
)
COUNTY OF SANDOVAL)

MICHAEL J. RYAN, being duly sworn, upon oath stated:

That affiant is the Publisher of THE OBSERVER, a weekly newspaper published in the County of Sandoval and having a general circulation in the City of Rio Rancho and the County of Sandoval and duly qualified for the publication of legal advertisements within the meaning of the Publication of Notice Act, being Sections 14-11-1 seq., NMSA 1978, as amended; that the publication, a copy of which is attached, was published in said newspaper in the regular edition and entire issue of every number of the paper during the period and time of publication, and that said Notice was published in the Newspaper proper, and not in a supplement,

for 1 consecutive weeks, the first publication being on the 26th day of June 1996 and the subsequent publication(s) on 1996 and that payment therefore has been made or assessed as court costs in the case and cause number shown in the attached publication.

Michael J. Ryan
Affiant

Subscribed and sworn to before me this 26th day of June, 1996.

Notary Seal expires 3-9-2000

Sharon R. Ely
Notary Public

Seal

NOTICE OF PUBLICATION

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

Notice is hereby given th pursuant to New Mexico Wat Quality Control Commissi Regulations, the following di charge plan renewal applic tions have been submitted the Director of the Oil Conse vation Division, 2040 Sou Pacheco, Santa Fe, New Me ico 87505, Telephone (50 827-7131:

(GW-085) - PNMGS, Ms. To K. Ristau, (505)-241-201 Alvardo Square MS 040 Albuquerque, NM, 87158, ha submitted a Discharge Pla Renewal Application for the Rio Puerco Compress Station located in Section 2 Township 8 North, Range West, NMPM, Valenc County, New Mexico. An potential discharge at th facility will be stored in closed top receptacl Groundwater most likely be affected by a spill, a lea or accidental discharge to th surface is at a depth of ap proximately 80 feet with total dissolved solids concen tration of approximately 10 mg/L. The discharge pla addresses how spills, leak and other accidental di charges to the surface will b managed.

(GW-086) - PNMGS, Ms. Tor K. Ristau, (505)-241-201 Alvardo Square MS 040 Albuquerque, NM, 87158, ha submitted a Discharge Pla Renewal Application for thei Santa Fe Junction Compres sor Station located in Sectio 31, Township 12 North, Rang 2 East, NMPM, Sandova County, New Mexico. An potential discharge at th facility will be stored in closed top receptacle Groundwater most likely t be affected by a spill, leak o accidental discharge to th surface is at a depth of ap proximately 719 feet with a total dissolved solids concen tration of approximately 36 mg/L. The discharge plan addresses how spills, leaks and other accidental dis charges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written com ments 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

The Santa Fe New Mexican
Since 1849. We Read You.

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

AD NUMBER: 517089
LEGAL NO: 59925

ACCOUNT: 56689
P.O. # 96199002997

207 LINES once at $ 82.80

Affidavits: 5.25

Tax: 5.50

Total: $ 93.55

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 Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 59925 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 25th day of JUNE 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
25th day of JUNE A.D., 1996

OFFICIAL SEAL
Janet L. Montoya
NOTARY PUBLIC - STATE OF NEW MEXICO
Janet L. Montoya
MY COMMISSION EXPIRES 12/30/99

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 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-065) - PNMGS, Ms. Toni K. Ristau, (505)-241-2015, Alvardo Square MS 0408, Albuquerque, NM, 87158, has submitted a Discharge Plan Renewal Application for their Rio Puerco Compressor Station located in Section 25, Township 8 North, Range 3 West, NMPM, Valencia 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 approxiamtely 80 feet with a total dissolved solids concentration of approximately 1050 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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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 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 19th day of June, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY,
Director
Legal #59925
Pub. June 25, 1996

Public Service Company
of New Mexico
Alvarado Square MS. 0408
Albuquerque, NM 87158

June 20, 1996

Mr. Pat Sanchez
NM Energy Minerals & Natural Resources Department
Oil Conservation Division
2040 S. Pacheco St.
Santa Fe, NM 87505

Renewal of discharge plan GW-65, Rio Puerco Compressor Station and
discharge plan GW-66, Santa Fe Junction (also known as Espejo Compressor Station)

Dear Mr Sanchez:

Enclosed are applications for renewal for the above-referenced discharge plans, including addenda to the original plans, showing any changes, and the filing fee of fifty dollars for each. If you need any further information please call me at (505) 241-4954.

Sincerely,

Jean Arya

Jean Arya
Environmental Scientist

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) 848-2120

CO.	BANK	CK DATE	VENDOR NO.	CK NO.
EL	800	06/19/96	OIL120052501	[redacted]

INVOICE	DATE	GROSS AMT	DISC.	DED	NET AMT	SOURCE REF	REMARKS	A
[LEFEE,061896	06/18/96	50.00	0.00	0.00	50.00	960610111	FILING FEE	Y

3W-66

RECEIVED
JUN 21 1996
Environmental Bureau
Oil Conservation Division

TOTAL $50.00

PNM

Electric and Gas Services

General Fund Account

800 [redacted]

[redacted]

CHECK NO.	DATE	AMOUNT
[redacted]	06/19/96	$**********50.00

PAY TO THE ORDER OF

OIL CONSERVATION DIVISION

[redacted]

Authorized Signature

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 12/1/9

Submit Origi
Plus 1 Cop
to Santa
1 Copy to appropria
District Off

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)

☐ New ☒ Renewal ☐ Modification

DWG 6-21-96 GW-66

1. Type: Santa Fe Junction Compressor Station 6,761 hp
2. Operator: Public Service Company of New Mexico

   Address: Alvarado Square MS 0408 Albuquerque, NM 87158

   Contact Person: Jean Arya Phone: (505) 241-4954
3. Location: NW /4 NW /4 Section 31 Township 12N Range 2E

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

RECEIVED
JUN 21 1996
Environmental Bureau
Oil Conservation Division

14. CERTIFICATION

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

NAME: Jean Arya Title: Environmental Scientist

Signature: Jean Arya Date: 6/20/96

Addendum to Discharge Plan GW-66
Santa Fe Junction Compressor Station
Sandoval County, New Mexico

RECEIVED
JUN 21 1996
Environmental Bureau
Oil Conservation Division

1. General Information

A. Name of Discharger or Legally Responsible Party
Public Service Company of New Mexico, Gas Services
Alvarado Square
Albuquerque, NM 87158

B. Name of Local Representative or Contact Person
Jesse Evans, District Engineer
(505) 324-3722

11. Plant Processes

B. 1 Mobil Pegasus 89 engine oil is used as the lubricating oil for the compressor engine. A Material Safety Data Sheet (MSDS) is attached.

C.1 Retesting of the effluent lines, with the exception of the five foot stretch of gravity fed wastewater line, will take place within one year of the approval of this discharge plan. The results will be submitted to OCD.

111. Effluent Disposal

1. All effluents from the site will be collected, hauled, and disposed of by a recycling contractor approved by the New Mexico Environment Department.

2. The shipping agent contracted for off-site disposal is Mesa Oil Inc., 20 Lucero Rd., Belen, NM 87002.

Exposed Pits

There are no exposed pits or open top tanks exceeding sixteen feet in diameter at this facility. No screening or netting is necessary to preserve wildlife.

Facility Closure Plan Pursuant to the WQCC Regulations 3107(a)11

All reasonable and necessary measures will be taken to prevent the exceedence of 20 NMAC 6.2.3103 quality standards should PNM choose to close the facility permanently. Closure measures will include removal or closure in place of any underground piping and equipment. All tanks will be emptied. No potentially toxic materials or effluents will remain on 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.

605717-00 MOBIL PEGASUS 89

1. PRODUCT AND COMPANY IDENTIFICATION

APPROVAL DATE: 01/01/95

PRODUCT NAME: MOBIL PEGASUS 89
SUPPLIER: MOBIL OIL CORP.
PRODUCTS AND TECHNOLOGY DEPT.
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Emergency (call collect):	609-737-4411	
Product and MSDS Information:	800-662-4525	703-849-3265
CHEMTREC:	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.
EFFECTS OF OVEREXPOSURE: No significant effects expected.
EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water.
INHALATION: Not expected to be a problem.
INGESTION: Not expected to be a problem. However, if greater than 1/2 liter(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 249(480) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.
EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m3 is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: Amber
ODOR: Mild
ODOR THRESHOLD: NA
pH: 8.8
BOILING POINT C(F): 388(730)
MELTING POINT C(F): NA
FLASH POINT C(F): > 249(480) (ASTM D-92)
FLAMMABILITY: NA
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NA
RELATIVE DENSITY, 15/4 C: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5

(Section continued next page)

VISCOSITY AT 40 C, cSt: 121.5
VISCOSITY AT 100 C, cSt: 12.5
POUR POINT C(F): -26(-15)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: EXEMPT IN U.S.
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses

(Section continued next page)

significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using the Mobil Modified Ames Test.

---SENSITIZATION (SUMMARY)---

Representative Mobil formulations have not caused skin sensitization in guinea pigs.

---OTHER TOXICOLOGY DATA---

Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which

(Section continued next page)

are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, and DSL.

EU Labeling: EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals reportable under SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.03%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.26%)	68649-42-3	22

(Section continued next page)

--- REGULATORY LISTS SEARCHED ---

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI 293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI RTK

Code key: CARC = Carcinogen; SUS = Suspected Carcinogen

16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

See container label for ingredient information.

****

For Mobil Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, REQ: US - MARKETING, SAFE USE: L

****

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or re-transmission of the information contained herein in any other format than the format as presented is strictly prohibitted. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

****

Public Service Company
of New Mexico
Alvarado Square MS. 0408
Albuquerque, NM 87158

June 18, 1996

VIA FAX (original mailed via first class mail)
(505) 827-8177

Mr. William J. LeMay
Chairman and Director
Oil Conservation Division
2040 S. Pacheco Street
Santa Fe, NM 87505

Environmental Servicexz Department
MS-0408

Dear Sir:

Public Service Company of New Mexico - Gas Services (PNMGS) respectfully requests renewal of the discharge plans for the following PNMGS facilities:

Santa Fe Junction (also known as Espejo Compressor Station), located at Twp. 12 N, R 2 E, Section 31 (Sandoval County, NM)

- and -

Rio Puerco Compressor Station, located at Twp. 8 N, R 3 W, Section 25 (Valencia County, NM)

Per my discussion with Roger Anderson today, we will forward additional application materials, together with the fee of $50.00 for each renewal application, by the end of this week (June 21, 1996). We will also include descriptive addenda for each discharge plan, detailing any changes to the facility, operations, etc. (if any) since the discharge plans were issued in 1991. By this letter, we are requesting that the public notice process be initiated for these applications.

If you have any questions regarding this request, please contact Jean Arya, PNM, at (505) 241-4954, or me at (505) 241-2015. Thank you for your consideration.

Sincerely,
PUBLIC SERVICE COMPANY OF NEW MEXICO

Toni K. Ristau
Director, Environmental Services

cc: Roger Anderson, OCD
Pat Sanchez, OCD

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 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-065) - PNMGS, Ms. Toni K. Ristau, (505)-241-2015, Alvardo Square MS 0408, Albuquerque, NM, 87158, has submitted a Discharge Plan Renewal Application for their Rio Puerco Compressor Station located in Section 25, Township 8 North, Range 3 West, NMPM, Valencia 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 80 feet with a total dissolved solids concentration of approximately 1050 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-066) - PNMGS, Ms. Toni K. Ristau, (505)-241-2015, Alvardo Square MS 0408, Albuquerque, NM, 87158, has submitted a Discharge Plan Renewal Application for their Santa Fe Junction Compressor Station located in Section 31, Township 12 North, Range 2 East, NMPM, Sandoval 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 719 feet with a total dissolved solids concentration of approximately 364 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 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 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 19th day of June, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

March 15, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-963-119

Ms. Jean Arya
Public Service Company of New Mexico (PNM)
Alvarado Square, M.S. 0408
Albuquerque, NM 87158

RE: Discharge Plan GW-66 Renewal
Santa Fe Junction " Espejo C.S."
Sandoval County, New Mexico

Dear Ms. Arya:

On June 25, 1991, the groundwater discharge plan, GW-66, for the Santa Fe Junction "Espejo C.S." located in Unit 9, Rio Rancho Estates, Township 12 North, Range ' NMPM, Sandoval County, New Mexico, was approved by the Director of the i co Oil Conservation Division (OCD). This discharge plan was required and submitted j .. Water Quality Control Commission (WQCC) regulations and was approved for a pe: rive years. The approval will expire on June 25, 1996.

On October 18, 1995, PNM was notified of the upcoming expiration. If the discharge plan renewal is not received and approved by the OCD by June 25, 1996, the facility will be required to cease operations until the OCD receives and approves the discharge plan renewal.

If the facility continues to have potential or actual effluent or leachate discharges and PNM wishes to continue operation, PNM must renew the discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether PNM has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District III Office. Note that the completed and signed application form must be submitted with the discharge plan renewal request.

The discharge plan renewal application for the Santa Fe Junction "Espejo C.S." is subject to the WQCC Regulations 3114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat fee as outlined in WQCC Regulation 3114 for Compressor Stations. The WQCC Regulations and OCD Guidelines and Application form as revised December, 1995 are enclosed.

The (50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

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

If PNM no longer has any actual or potential discharges a discharge plan is not needed, please notify this office and include a closure plan for the facility pursuant to WQCC Section 3107 A.11.

If PNM has any questions regarding this matter, please do not hesitate to contact Pat Sanchez at (505) 827-7156.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

Enclosure

xc: Mr. Denny Foust - District III

OIL CONSERVATION DIVISION

October 18, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-963-080

Es Pego

Ms. Jean Arya
Public Service Company of New Mexico (PNM)
Alvarado Square, M.S. 0408
Albuquerque, NM 87158

RE: Discharge Plan GW-66 Renewal
Santa Fe Junction C.S.
Sandoval County, New Mexico

Dear Ms. Arya:

On June 25, 1991, the groundwater discharge plan, GW-66, for the Public Service Company of New Mexico CS located in Unit 9, Rio Rancho Estates, Township 12 North, Range 2 West, NMPM, Sandoval County, New Mexico, **will expire on June 25, 1996.** The plan was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. **If PNM submits an application for renewal at least 120 days before the discharge plan expires (on or before February 25, 1996), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved.** The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

The discharge plan renewal application for the Santa FE Junction CS is subject to the WQCC Regulations 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat fee of $690 for Compressor Stations greater than 3,000 horsepower.

The (50) dollar filing fee is to be submitted with the discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan - with the first payment due the at the time of approval. Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District III Office. Note that the completed and signed application form must be submitted with your discharge plan renewal request. The following information is included: Application form, Guidelines, and WQCC regulations.

If you no longer have any actual or potential discharges a discharge plan is not needed, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Patricio W. Sanchez at (505) 827-7156.

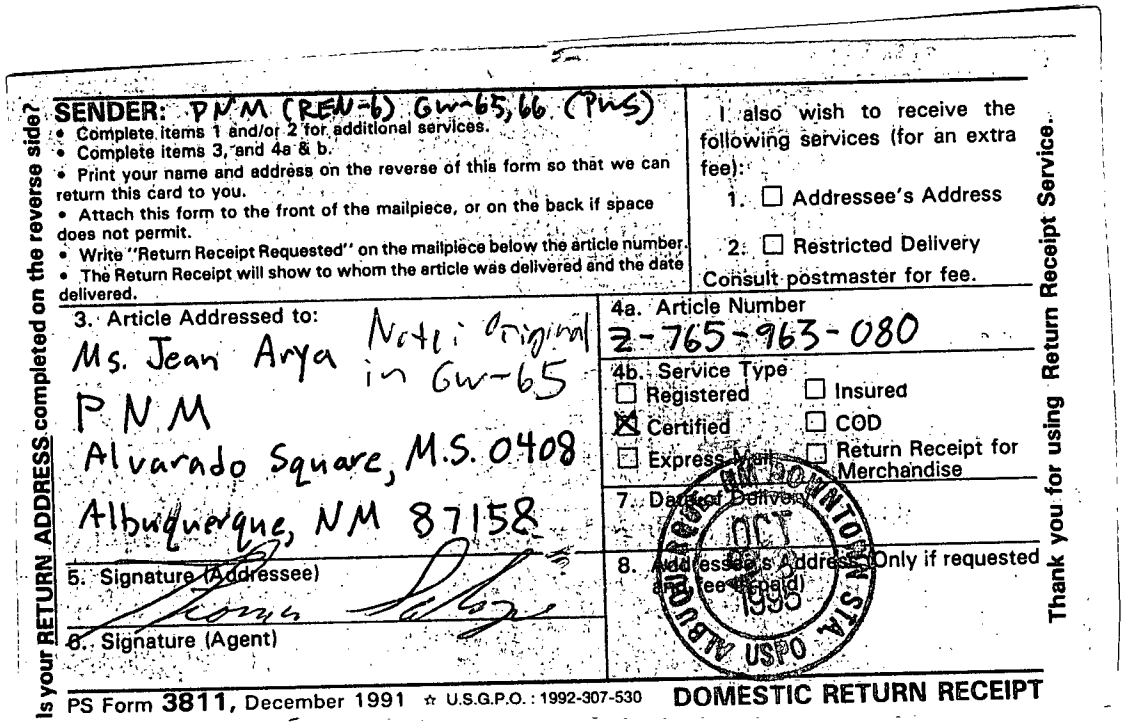
Sincerely,

Roger Anderson

Roger C. Anderson
Environmental Bureau Chief

RCA/pws

xc: Mr. Denny Foust



SENDER: PNM (REN-6) GW-65,66 (PWS)
• Complete items 1 and/or 2 for additional services.
• Complete items 3, and 4a & b.
• Print your name and address on the reverse of this form so that we can return this card to you.
• Attach this form to the front of the mailpiece, or on the back if space does not permit.
• Write "Return Receipt Requested" on the mailpiece below the article number.
• The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

3. Article Addressed to:
Ms. Jean Arya
PNM
Alvarado Square, M.S. 0408
Albuquerque, NM 87158

Notice original in GW-65

4a. Article Number
Z-765-963-080

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
OCT 1995

8. Addressee's Address (Only if requested and fee paid)

5. Signature (Addressee)

6. Signature (Agent)

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

June 25, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-327-278-126

Ms. Paula McAfee
Gas Company of New Mexico
P. O. Box 26400
Albuquerque, New Mexico 87125

RE: Discharge Plan GW-66
Santa Fe Junction Compressor Station
Sandoval County, New Mexico

Dear Ms. McAfee:

The groundwater discharge plan GW-66 for the Gas Company of New Mexico Santa Fe Junction Compressor Station located in Unit 9, Rio Rancho Estates, Township 12 North, Range 2 West, NMPM, Sandoval County, New Mexico is hereby approved. The discharge plan consists of the application dated March 1, 1991 and materials dated June 19, 1991 submitted as supplements to the application.

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

Please be advised that all exposed pits, including lined pits and open 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 3-104 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 3-107.C. you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3-109.G.4., this plan approval is for a period of five (5) years. This approval will expire June 25, 1996 and you should submit an application for renewal in ample time before that date.

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/RCA/sl

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

May 17, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-327-278-122

Mr. L. B. Dean, Plant Manager
Gas Company of New Mexico
P. O. Box 1899
Bloomfield, New Mexico 87413

RE: Discharge Plan GW-66 - Santa Fe Junction Compressor Station
Sandoval County, New Mexico

Dear Mr. Dean:

The Oil Conservation Division (OCD) has received the discharge plan application for the above referenced facility. The following requests for additional information are based on review of the application:

1. A wastewater flow schematic was not included in the application. Please supply a schematic that includes all waste water/oil collection, piping and storage.

2. All wastewater piping should be designated and installed such that pressure testing of individual lines can be accomplished with minimal disruption of operations and retrofitting.

3. Section D.1.: Spills that require notification to the OCD will be pursuant to OCD Rule 116 (Enclosed).

4. Section D.1.: Prior to any offsite disposal of contaminated soils, OCD's approval of the site and method of disposal is required.

If you have questions, please contact me at 827-5884.

Sincerely,

Roger C. Anderson
Environmental Engineer

Enclosures

cc: Paula McAfee, GCNM - Albuquerque

GAS COMPANY OF NEW MEXICO

June 19, 1991

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RE: Discharge Plan GW-66 - Santa Fe Junction Compressor Station
Sandoval County, New Mexico

Dear Mr. Anderson,

In response to your letter dated May 17, 1991, the additional information is enclosed.

- An isometric flow diagram of the entire facility is enclosed (in triplicate). This diagram shows all of the flow lines for the facility.

- After talking with you over the phone on June 4, 1991, it was determined since the wastewater line is gravity fed and only five feet in length pressure testing is unnecessary. In lieu of this testing, any request from your office to inspect the pipe or surrounding area will be performed according to your specifications. All other wastewater lines have valves and can easily be pressure tested.

- GCNM will follow notification of spills or leaks pursuant to OCD Section D.1 Rule 116 (replacing the information in Section II D, Page 6 of the Discharge Plan).

- Any offsite disposal of contaminated soils, the proposed disposal site, and method of disposal will be reviewed and approved by OCD pursuant to Section D.1 before such disposal occurs.

P.O. Box 26400, Albuquerque, New Mexico 87125 (505) 880-7900

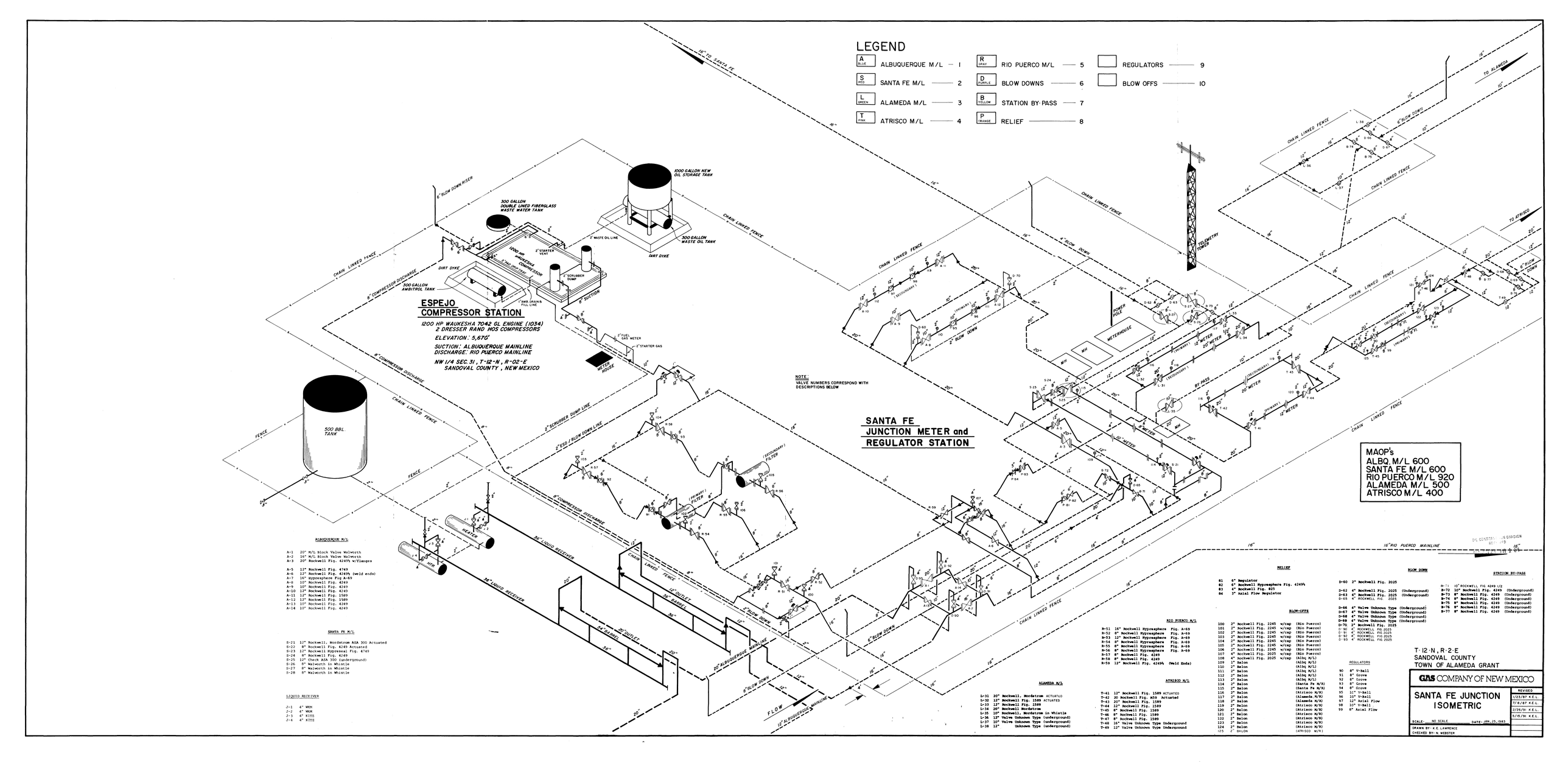
I hope this correctly addresses the information requested for Santa Fe Junction Compressor Station. If there are any further questions please contact me at 880-7966. Thank you.

Sincerely,

Paula Y McAfee

Paula Y. McAfee
Staff Engineer

cc: Steven Emrick - GCNM
L.B. Dean - GCNM



ALBUQUERQUE M/L

A-1 20" M/L Block Valve Walworth
A-2 16" M/L Block Valve Walworth
A-3 20" Rockwell Fig. 4249h w/Flanges
A-5 12" Rockwell Fig. 4749
A-6 12" Rockwell Fig. 4249h (weld ends)
A-7 16" Hypersphere Fig A-69
A-8 10" Rockwell Fig. 4249
A-9 10" Rockwell Fig. 4249
A-10 12" Rockwell Fig. 4249
A-11 12" Rockwell Fig. 1589
A-12 12" Rockwell Fig. 1589
A-13 10" Rockwell Fig. 4249
A-14 10" Rockwell Fig. 4249

SANTA FE M/L

S-21 12" Rockwell, Nordstrom ASA 300 Actuated
S-22 8" Rockwell Fig. 4249 Actuated
S-23 12" Rockwell Hypreseal Fig. 4749
S-24 8" Rockwell Fig. 4249
S-25 12" Check ASA 300 (underground)
S-26 8" Walworth in Whistle
S-27 8" Walworth in Whistle
S-28 8" Walworth in Whistle

LIQUID RECEIVER

J-1 4" WKM
J-2 4" WKM
J-3 4" KITZ
J-4 4" KITZ

RIO PUERCO M/L

R-51 16" Rockwell Hypresphere Fig. A-69
R-52 8" Rockwell Hypresphere Fig. A-69
R-53 12" Rockwell Hypresphere Fig. A-69
R-54 8" Rockwell Hypresphere Fig. A-69
R-55 8" Rockwell Hypresphere Fig. A-69
R-56 8" Rockwell Hypresphere Fig. A-69
R-57 8" Rockwell Fig. 4249
R-58 8" Rockwell Fig. 4249
R-59 12" Rockwell Fig. 4249h (Weld Ends)

ALAMEDA M/L

L-31 20" Rockwell, Nordstrom ACTUATED
L-32 12" Rockwell Fig. 1589 ACTUATED
L-33 12" Rockwell Fig. 1589
L-34 20" Rockwell Nordstrom
L-35 10" Rockwell, Nordstrom in Whistle
L-36 12" Valve Unknown Type (underground)
L-37 10" Valve Unknown Type (underground)
L-38 13" Unknown Type (underground)

ATRISCO M/L

T-41 12" Rockwell Fig. 1589 ACTUATED
T-42 20 Rockwell Fig. h59 Actuated
T-43 20" Rockwell Fig. 1589
T-44 12" Rockwell Fig. 1589
T-45 8" Rockwell Fig. 1589
T-46 8" Rockwell Fig. 1589
T-47 8" Rockwell Fig. 1589
T-48 16" Valve Unknown Type Underground
T-49 12" Valve Unknown Type Underground

RELIEF

81 6" Regulator
82 6" Rockwell Hypresphere Fig. 4249h
83 4" Rockwell Fig. 825
84 3" Axial Flow Regulator

BLOW-OFFS

100 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
101 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
102 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
103 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
104 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
105 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
106 2" Rockwell Fig. 2245 w/cap (Rio Puerco)
107 2" Rockwell Fig. 2025 w/cap (Rio Puerco)
108 4" Rockwell Fig. 2025 w/cap (Alb. M/L)
109 1" Balon (Alb. M/L)
110 2" Balon (Alb. M/L)
111 2" Balon (Alb. M/L)
112 2" Balon (Alb. M/L)
113 2" Balon (Alb. M/L)
114 2" Balon (Santa Fe M/R)
115 2" Balon (Santa Fe M/R)
116 2" Balon (Atrisco M/R)
117 2" Balon (Alameda M/R)
118 2" Balon (Alameda M/R)
119 2" Balon (Atrisco M/R)
120 2" Balon (Atrisco M/R)
121 2" Balon (Atrisco M/R)
122 2" Balon (Atrisco M/R)
123 2" Balon (Atrisco M/R)
124 2" Balon (Atrisco M/R)
125 2" BALON (ATRISCO M/R)

BLOW DOWN

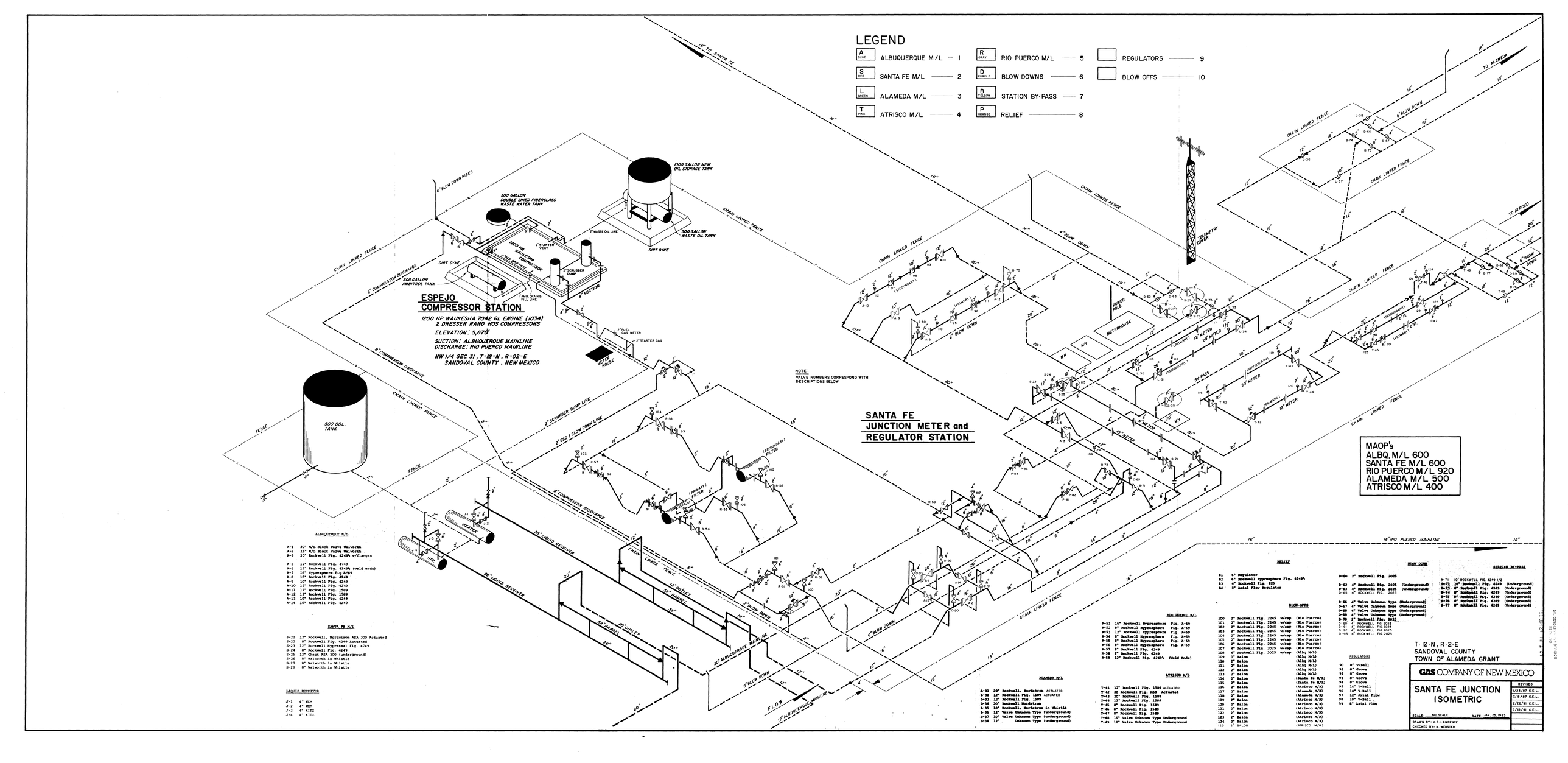
D-60 2" Rockwell Fig. 2025
D-62 6" Rockwell Fig. 2025 (Underground)
D-63 6" Rockwell Fig. 2025 (Underground)
D-65 4" ROCKWELL FIG. 2025
D-66 6" Valve Unknown Type (Underground)
D-67 6" Valve Unknown Type (Underground)
D-68 6" Valve Unknown Type (Underground)
D-70 2" Rockwell Fig. 2025
D-90 4" ROCKWELL FIG 2025
D-91 4" ROCKWELL FIG 2025
D-92 4" ROCKWELL FIG 2025
D-93 4" ROCKWELL FIG 2025

REGULATORS

90 8" V-Ball
91 8" Grove
92 8" Grove
93 8" Grove
94 8" Grove
95 10" V-Ball
96 10" V-Ball
97 12" Axial Flow
98 10" V-Ball
99 6" Axial Flow

STATION BY-PASS

B-71 10" ROCKWELL FIG 4249 1/2
B-72 10" Rockwell Fig. 4249 (Underground)
B-73 8" Rockwell Fig. 4249 (Underground)
B-74 8" Rockwell Fig. 4249 (Underground)
B-75 8" Rockwell Fig. 4249 (Underground)
B-76 8" Rockwell Fig. 4249 (Underground)
B-77 8" Rockwell Fig. 4249 (Underground)


LEGEND
A BLUE ALBUQUERQUE M/L — 1
S RED SANTA FE M/L — 2
L GREEN ALAMEDA M/L — 3
T PINK ATRISCO M/L — 4
R GRAY RIO PUERCO M/L — 5
D PURPLE BLOW DOWNS — 6
B YELLOW STATION BY-PASS — 7
P ORANGE RELIEF — 8
REGULATORS — 9
BLOW OFFS — 10
ESPEJO COMPRESSOR STATION
1200 HP WAUKESHA 7042 GL ENGINE (1034)
2 DRESSER RAND HOS COMPRESSORS
ELEVATION : 5,670'
SUCTION : ALBUQUERQUE MAINLINE
DISCHARGE: RIO PUERCO MAINLINE
NW 1/4 SEC. 31, T-12-N, R-02-E
SANDOVAL COUNTY, NEW MEXICO
1000 GALLON NEW OIL STORAGE TANK
300 GALLON WASTE OIL TANK
300 GALLON DOUBLE LINED FIBERGLASS WASTE WATER TANK
300 GALLON AMBITROL TANK
500 BBL TANK
1200 HP WAUKESHA COMPRESSOR
DIRT DYKE
CHAIN LINKED FENCE
FENCE
METER HOUSE
SANTA FE JUNCTION METER and REGULATOR STATION
NOTE: VALVE NUMBERS CORRESPOND WITH DESCRIPTIONS BELOW
TELEMETRY TOWER
POWER POLE
METERHOUSE
MAOP's
ALBQ. M/L 600
SANTA FE M/L 600
RIO PUERCO M/L 920
ALAMEDA M/L 500
ATRISCO M/L 400
TO ALAMEDA
TO ATRISCO
16" TO SANTA FE
16" RIO PUERCO MAINLINE
12" ALBUQUERQUE MAINLINE
20" ALBUQUERQUE MAINLINE
FLOW
ALBUQUERQUE M/L
A-1 20" M/L Block Valve Walworth
A-2 16" M/L Block Valve Walworth
A-3 20" Rockwell Fig. 4249A w/flanges
A-5 12" Rockwell Fig. 4749
A-6 12" Rockwell Fig. 4249A (weld ends)
A-7 16" Hypersphere Fig A-69
A-8 10" Rockwell Fig. 4249
A-9 10" Rockwell Fig. 4249
A-10 12" Rockwell Fig. 4249
A-11 12" Rockwell Fig. 1589
A-12 12" Rockwell Fig. 1589
A-13 10" Rockwell Fig. 4249
A-14 10" Rockwell Fig. 4249
SANTA FE M/L
S-21 12" Rockwell, Nordstrom ASA 300 Actuated
S-22 8" Rockwell Fig. 4249 Actuated
S-23 12" Rockwell Hypreseal Fig. 4749
S-24 8" Rockwell Fig. 4249
S-25 12" Check ASA 300 (underground)
S-26 8" Walworth in Whistle
S-27 8" Walworth in Whistle
S-28 8" Walworth in Whistle
LIQUID RECEIVER
J-1 4" WOK
J-2 4" WOK
J-3 4" KITZ
J-4 4" KITZ
RELIEF
R1 6" Regulator
R2 6" Rockwell Hypersphere Fig. 4249A
R3 6" Rockwell Fig. 825
R4 3" Axial Flow Regulator
BLOW OFFS
D-60 2" Rockwell Fig. 3025
D-61 4" Rockwell Fig. 3025 (Underground)
D-62 4" Rockwell Fig. 3025 (Underground)
D-63 4" ROCKWELL FIG. 3025
D-64 4" Valve Unknown Type (Underground)
D-65 4" Valve Unknown Type (Underground)
D-66 4" Valve Unknown Type (Underground)
D-67 4" Valve Unknown Type (Underground)
D-70 2" Rockwell Fig. 3025
D-90 4" ROCKWELL FIG. 3025
D-91 4" ROCKWELL FIG. 3025
D-92 4" ROCKWELL FIG. 3025
D-93 4" ROCKWELL FIG. 3025
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D-71 10" ROCKWELL FIG 4249 1/2
D-72 20" Rockwell Fig. 4249 (Underground)
D-73 8" Rockwell Fig. 4249 (Underground)
D-74 6" Rockwell Fig. 4249 (Underground)
D-75 6" Rockwell Fig. 4249 (Underground)
D-76 6" Rockwell Fig. 4249 (Underground)
D-77 8" Rockwell Fig. 4249 (Underground)
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B-72 20" Rockwell Fig. 4249 (Underground)
B-73 8" Rockwell Fig. 4249 (Underground)
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B-75 6" Rockwell Fig. 4249 (Underground)
B-76 6" Rockwell Fig. 4249 (Underground)
B-77 8" Rockwell Fig. 4249 (Underground)
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R-53 12" Rockwell Hypersphere Fig. A-69
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R-55 8" Rockwell Hypersphere Fig. A-69
R-56 8" Rockwell Hypersphere Fig. A-69
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R-58 8" Rockwell Fig. 4249
R-59 12" Rockwell Fig. 4249A (Weld Ends)
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L-31 20" Rockwell, Nordstrom ACTUATED
L-32 12" Rockwell Fig. 1589 ACTUATED
L-33 12" Rockwell Fig. 1589
L-34 20" Rockwell, Nordstrom
L-35 10" Rockwell, Nordstrom in Whirlin
L-36 12" Valve Unknown Type (underground)
L-37 10" Valve Unknown Type (underground)
L-38 12" Unknown Type (underground)
ATRISCO M/L
T-41 12" Rockwell Fig. 1589 ACTUATED
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T-43 20" Rockwell Fig. 1589
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T-45 8" Rockwell Fig. 1589
T-46 6" Rockwell Fig. 1589
T-47 8" Rockwell Fig. 1589
T-48 16" Valve Unknown Type Underground
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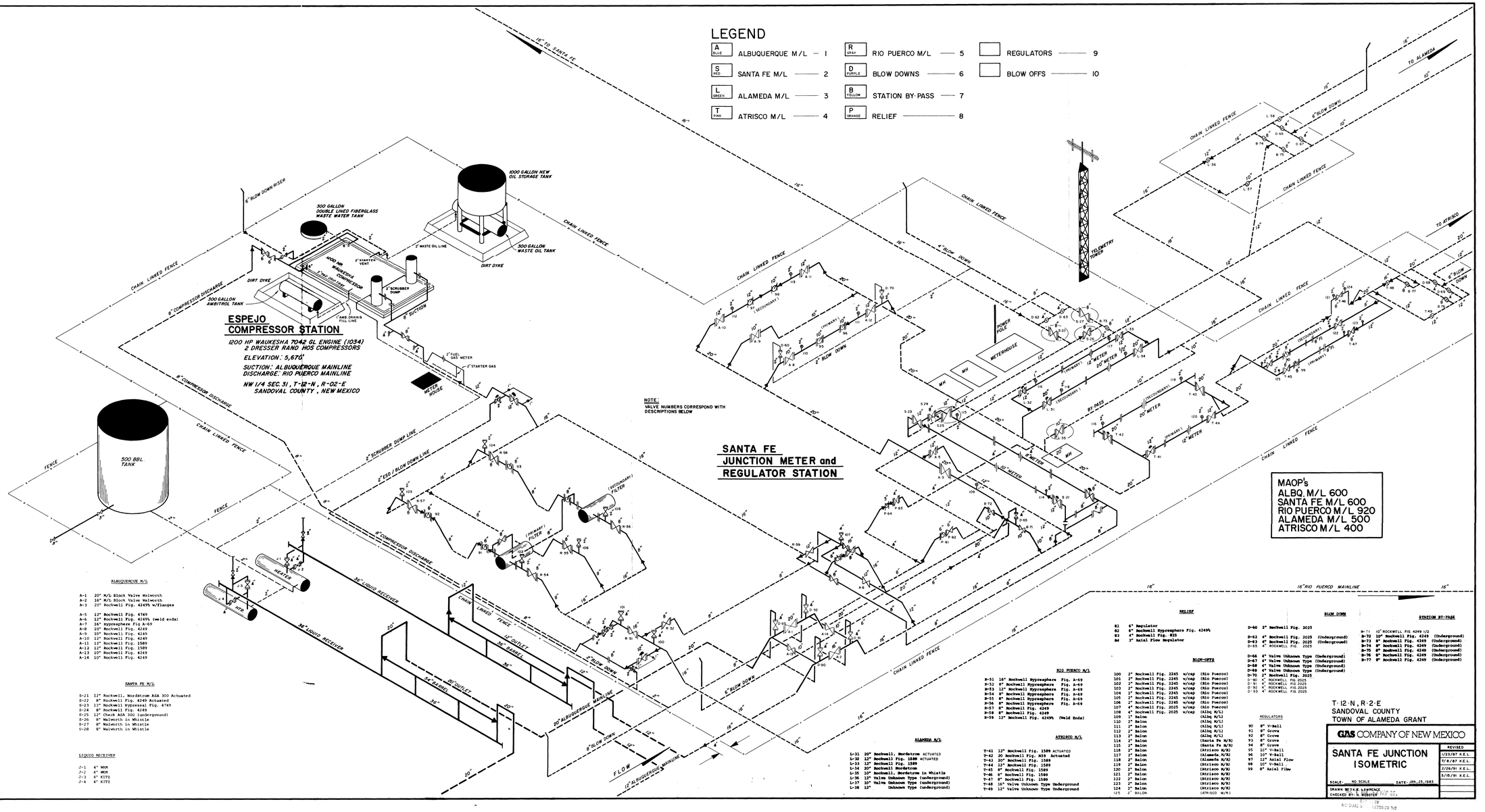
101 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
102 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
103 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
104 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
105 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
106 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
107 4" Rockwell Fig. 3025 w/cap (Rio Puerco)
108 2" Rockwell Fig. 3025 w/cap (Rio Puerco)
109 1" Balon (Alba M/L)
110 2" Balon (Alba M/L)
111 2" Balon (Alba M/L)
112 2" Balon (Alba M/L)
113 2" Balon (Alba M/L)
114 2" Balon (Santa Fe M/L)
115 2" Balon (Santa Fe M/L)
116 2" Balon (Atrisco M/L)
117 2" Balon (Alameda M/L)
118 2" Balon (Alameda M/L)
119 2" Balon (Atrisco M/L)
120 2" Balon (Atrisco M/L)
121 2" Balon (Atrisco M/L)
122 2" Balon (Atrisco M/L)
123 2" Balon (Atrisco M/L)
124 2" Balon (Atrisco M/L)
125 2" BALON (ATRISCO M/L)
90 8" V-Ball
91 8" Grove
92 8" Grove
93 8" Grove
94 8" Grove
95 10" V-Ball
96 10" V-Ball
97 12" Axial Flow
98 10" V-Ball
99 8" Axial Flow
T-12-N, R-2-E
SANDOVAL COUNTY
TOWN OF ALAMEDA GRANT
GAS COMPANY OF NEW MEXICO
SANTA FE JUNCTION
ISOMETRIC
SCALE: NO SCALE
DATE: JAN. 25, 1983
DRAWN BY: K.E. LAWRENCE
CHECKED BY: N. WEBSTER
REVISED
12/23/87 K.E.L.
7/8/87 K.E.L.
2/26/91 K.E.L.
8/19/91 K.E.L.


LEGEND
A BLUE ALBUQUERQUE M/L — 1
S RED SANTA FE M/L — 2
L GREEN ALAMEDA M/L — 3
T PINK ATRISCO M/L — 4
R GRAY RIO PUERCO M/L — 5
D PURPLE BLOW DOWNS — 6
B YELLOW STATION BY-PASS — 7
P ORANGE RELIEF — 8
REGULATORS — 9
BLOW OFFS — 10
ESPEJO COMPRESSOR STATION
1200 HP WAUKESHA 7042 GL ENGINE (1034)
2 DRESSER RAND HOS COMPRESSORS
ELEVATION: 5,670'
SUCTION: ALBUQUERQUE MAINLINE
DISCHARGE: RIO PUERCO MAINLINE
NW 1/4 SEC. 31, T-12-N, R-02-E
SANDOVAL COUNTY, NEW MEXICO
SANTA FE JUNCTION METER and REGULATOR STATION
NOTE: VALVE NUMBERS CORRESPOND WITH DESCRIPTIONS BELOW
MAOP's
ALBQ. M/L 600
SANTA FE M/L 600
RIO PUERCO M/L 920
ALAMEDA M/L 500
ATRISCO M/L 400
16" TO SANTA FE
TO ALAMEDA
TO ATRISCO
16" RIO PUERCO MAINLINE
1000 GALLON NEW OIL STORAGE TANK
300 GALLON WASTE OIL TANK
300 GALLON DOUBLE LINED FIBERGLASS WASTE WATER TANK
300 GALLON AMBITROL TANK
500 BBL TANK
DIRT DYKE
CHAIN LINKED FENCE
FENCE
METER HOUSE
POWER POLE
TELEMETRY TOWER
HEATER
36" LIQUID RECEIVER
36" OUTLET
20" OUTLET
20" ALBUQUERQUE MAINLINE
12" ALBUQUERQUE MAINLINE
FLOW
ALBUQUERQUE M/L
A-1 20" M/L Block Valve Walworth
A-2 16" M/L Block Valve Walworth
A-3 20" Rockwell Fig. 4249% w/flanges
A-5 12" Rockwell Fig. 4749
A-6 12" Rockwell Fig. 4249% (weld ends)
A-7 16" Hypersphere Fig A-69
A-8 10" Rockwell Fig. 4249
A-9 10" Rockwell Fig. 4249
A-10 12" Rockwell Fig. 4249
A-11 12" Rockwell Fig. 1589
A-12 12" Rockwell Fig. 1589
A-13 10" Rockwell Fig. 4249
A-14 10" Rockwell Fig. 4249
SANTA FE M/L
S-21 12" Rockwell, Nordstrom ASA 300 Actuated
S-22 8" Rockwell Fig. 4249 Actuated
S-23 12" Rockwell Hypreseal Fig. 4749
S-24 12" Rockwell Fig. 4249
S-25 12" Check ASA 300 (underground)
S-26 8" Walworth in Whistle
S-27 8" Walworth in Whistle
S-28 8" Walworth in Whistle
LIQUID RECEIVER
J-1 4" MOK
J-2 4" MOK
J-3 4" KITZ
J-4 4" KITZ
ALAMEDA M/L
L-31 20" Rockwell, Nordstrom ACTUATED
L-32 12" Rockwell Fig. 1589 ACTUATED
L-33 12" Rockwell Fig. 1589
L-34 20" Rockwell Nordstrom
L-35 10" Rockwell, Nordstrom In Whistle
L-36 12" Valve Unknown Type (underground)
L-37 10" Valve Unknown Type (underground)
L-38 12" Unknown Type (underground)
RIO PUERCO M/L
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R-55 8" Rockwell Hypersphere Fig. A-69
R-56 8" Rockwell Hypersphere Fig. A-69
R-57 8" Rockwell Fig. 4249
R-58 8" Rockwell Fig. 4249
R-59 12" Rockwell Fig. 4249% (Weld Ends)
ATRISCO M/L
T-41 12" Rockwell Fig. 1589 ACTUATED
T-42 20" Rockwell Fig. M59 Actuated
T-43 20" Rockwell Fig. 1589
T-44 12" Rockwell Fig. 1589
T-45 8" Rockwell Fig. 1589
T-46 8" Rockwell Fig. 1589
T-47 8" Rockwell Fig. 1589
T-48 16" Valve Unknown Type Underground
T-49 12" Valve Unknown Type Underground
RELIEF
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82 6" Rockwell Hypersphere Fig. 4249%
83 4" Rockwell Fig. 525
84 3" Axial Flow Regulator
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100 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
101 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
102 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
103 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
104 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
105 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
106 2" Rockwell Fig. 3245 w/cap (Rio Puerco)
107 4" Rockwell Fig. 3025 w/cap (Rio Puerco)
108 4" Rockwell Fig. 3025 w/cap (Albq M/L)
109 1" Salon (Albq M/L)
110 2" Salon (Albq M/L)
111 2" Salon (Albq M/L)
112 2" Salon (Albq M/L)
113 2" Salon (Albq M/L)
114 2" Salon (Santa Fe M/R)
115 2" Salon (Atrisco M/R)
116 2" Salon (Atrisco M/R)
117 2" Salon (Alameda M/R)
118 2" Salon (Alameda M/R)
119 2" Salon (Atrisco M/R)
120 2" Salon (Atrisco M/R)
121 2" Salon (Atrisco M/R)
122 2" Salon (Atrisco M/R)
123 2" Salon (Atrisco M/R)
124 2" Salon (Atrisco M/R)
125 2" Salon (ATRISCO M/R)
BLOW DOWN
D-60 3" Rockwell Fig. 3025
D-62 4" Rockwell Fig. 3025 (Underground)
D-63 4" Rockwell Fig. 3025 (Underground)
D-65 4" ROCKWELL FIG. 3025
D-66 4" Valve Unknown Type (Underground)
D-67 4" Valve Unknown Type (Underground)
D-68 4" Valve Unknown Type (Underground)
D-69 4" Valve Unknown Type (Underground)
D-70 2" Rockwell Fig. 3025
D-90 4" ROCKWELL FIG. 3025
D-91 4" ROCKWELL FIG. 3025
D-92 4" ROCKWELL FIG. 3025
D-93 4" ROCKWELL FIG. 3025
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B-72 10" Rockwell Fig. 4249 (Underground)
B-73 8" Rockwell Fig. 4249 (Underground)
B-74 8" Rockwell Fig. 4249 (Underground)
B-75 8" Rockwell Fig. 4249 (Underground)
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B-77 8" Rockwell Fig. 4249 (Underground)
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1/23/87 K.E.L.
7/8/87 K.E.L.
7/26/91 K.E.L.
5/15/91 K.E.L.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VOLCANO RANCH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

Santa Fe Junction Station
T12N, R2E, Sandoval County, NM

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods and by plane-table surveys 1954 Aerial photographs taken 1949

Polyconic projection. 1927 North American Datum
10,000-foot grid based on New Mexico coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1967 and 1972. This information not field checked

To place on the predicted North American Datum 1983 move the projection lines 1 meter south and 52 meters east as shown by dashed corner ticks

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Light-duty — Unimproved dirt - - -

NEW MEXICO
QUADRANGLE LOCATION

OIL CONSERVATION DIVISION
RECD FEB
91 MAR 6 AM 9 57

Plate 1
Santa Fe Junction Station

VOLCANO RANCH, N. MEX.
35106-B7-TF-024

1954
PHOTOREVISED 1967 AND 1972
DMA 4654 III NE-SERIES V881

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1988

SANTA FE JUNCTION COMPRESSOR STATION DISCHARGE PLAN

March 1, 1991

Prepared for:

Gas Company of New Mexico
P.O. Box 1899
Bloomfield, NM 87413

Prepared by:

Geoscience Consultants, Ltd.
500 Copper Avenue, NW
Suite 200
Albuquerque, NM 87102

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This document follows the format presented in "Guidelines for the Preparation of Ground Water Discharge Plants at Natural Gas Processing Plants."

I. General Information

A. Name of Discharger or Legally Responsible Party:
Gas Company of New Mexico
P.O. Box 1899
Bloomfield, NM 87413
(505) 632-3311

B. Name of Local Representative or Contact Person:
L. B. Dean, Plant Manager
Gas Company of New Mexico
P.O. Box 1899
Bloomfield, NM 87413
(505) 632-3311

C. Location of Discharge:
Township 12 North, Range 2 East, NMPM
Unit 9, Rio Rancho Estates
Sandoval County, NM (see plate 1)

D. Types of Natural Gas Operation:

Field compression facility, which will be used for the transmission of pipeline quality gas (figure 1).

Process: Pipeline quality gas enters the station at a pressure of 400 psig. The natural gas will be compressed to 900 psig and discharged into a pipeline leaving the station.

Design Conditions:

Single Stage Compression

Gas Volume	70-80 MMSCFD
Oper. Press	400-900 psig
Station hp	6,761 hp

E. Copies:
Three copies of Discharge Plan are submitted to OCD as required.

F. Affirmation:

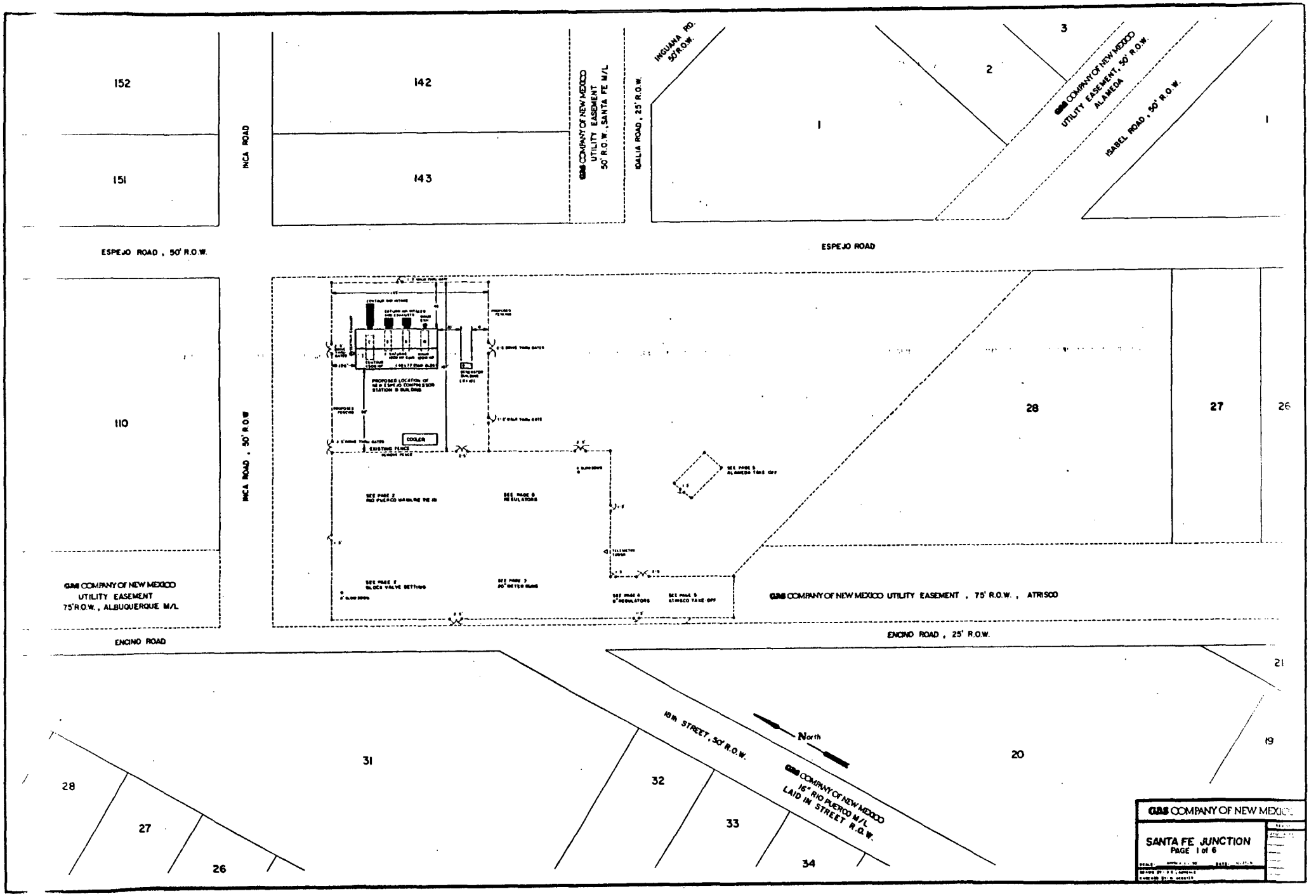
"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan and that such information is true, accurate, and complete to the best of my knowledge and belief."

J.B. Dean — Signature

3/5/91 — Date

L.B. DEAN — Printed Name of Person Signing Document

Plants Mgr. — Title


152
151
142
143
INCA ROAD
GRR COMPANY OF NEW MEXICO UTILITY EASEMENT 50' R.O.W., SANTA FE M/L
IGUANA RD. 50' R.O.W.
DALIA ROAD, 25' R.O.W.
1
2
3
GRR COMPANY OF NEW MEXICO UTILITY EASEMENT, 50' R.O.W. ALAMEDA
ISABEL ROAD, 50' R.O.W.
ESPEJO ROAD, 50' R.O.W.
ESPEJO ROAD
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COOLER
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SEE PAGE 6 REGULATORS
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SEE PAGE 4 BLOCK VALVE SETTING
SEE PAGE 3 30" METER RUNS
SEE PAGE 4 REGULATORS
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21
19
20
North
19th STREET, 50' R.O.W.
GRR COMPANY OF NEW MEXICO 16" RIO PUERCO M/L LAID IN STREET R.O.W.
31
32
33
34
28
27
26
GRR COMPANY OF NEW MEXICO
SANTA FE JUNCTION
PAGE 1 of 6

Figure 1

II. Plant Processes

A. Sources and Quantities of Effluent and Process Fluids

The natural gas stream entering the plant is a very lean gas with greater than 90% methane by volume.

1. Fresh water will be used to clean or wash-down the compressors, engines, and floors of the compressor buildings. Contaminants in the water consists of dirt and small amounts of lubricating oil that may spill onto the floor of the compressor building during routine maintenance. The usage rate of wash-down water is estimated at 10 gallons per month.

2. During routine maintenance of the compressor engines, the oil in the engines will be changed approximately every 1,000 hours, at a oil usage rate of 100 gallons per month.

3. A glycol coolant is added to the compressors as evaporation takes place. The replacement rate of the coolant is estimated to be 4.2 gallons per month.

4. The gas turbines have an oil usage rate of approximately 30 gallons per month.

B. Quality Characteristics

1. Conoco El Mar 3000 engine oil is used as the lubricating oil for the compressor engines. Refer to the Material Safety Data Sheets (MSDS) in the appendix B for a description of this product.

2. Dow Chemical Ambitrol CN coolant is used as the coolant for the compressor engines. Refer to the Material Safety Data Sheets (MSDS) in the appendix B for a description of this product.

C. Transfer and Storage of Process Fluids and Effluents

1. All pressure vessels in this plant conform to ASME Code. All process piping will be hydrotested, designed, and fabricated per ASME B31.3 Code. All pressure piping welds will be 100% x-rayed. Maximum operating pressures for the pipelines are suction, 600 psia; and discharge, 913 psia.

2. The wash-down water and used compressor engine oil will be stored in an aboveground storage tank. This storage tank is an 200-gallon, aboveground steel

tank with visual leak detection. A dirt berm will be built around the used oil storage tank and the Ambitrol storage tank. The dirt berm will be able to contain 1-1/2 times the volume of the largest tank and will be lined with a polyurethane membrane.

3. The Ambitrol CN coolant will be stored in an aboveground storage tank. A dirt berm will be built around the used oil storage tank and the Ambitrol storage tank. The dirt berm will be able to contain 1-1/2 times the volume of the largest tank and will be lined with a polyurethane membrane.

D. Spill/Leak Prevention and Housekeeping Procedures

1. All operations personnel have been instructed to handle process fluid spills or leaks as follows:

   - Small spills: Cover with sand to soak up fluid and shovel into drums for off-site disposal.
   - Large spills: Dike around spill and pump into drums. Call vacuum truck if necessary.
   - Any spill large enough to require a dike to contain it will be reported immediately by phone to the OCD. Written notification will be sent to OCD within one week as specified in section 1-203 of the New Mexico Water Quality Control Commission Regulation.

2. Each aboveground tank will be located within a bermed area with a capacity of at least 1-1/2 times the volume of the largest tank.

3. A daily walk-through inspection will be performed by the compressor station operator.

III. Effluent Disposal

1. The used lube oil from the compressor engines will be sold to a recycling contractor. This contractor will be approved by the New Mexico Environmental Improvement Division for the hauling and final disposition of the used oil.

2. The shipping agent contracted for off-site disposal is Mesa Oil, Inc., 4701 Broadway Boulevard SE, Albuquerque, New Mexico.

IV. Site Characteristics

A. Hydrologic Features:

1. Based on well information from the New Mexico State Engineers office, estimated depth to ground water at the site is 719 feet.

2. The aquifer for this area is the Santa Fe Group aquifer of the Rio Grande Valley fill.

B. Geologic Description of Discharge Site

A soil survey was performed by Western Technologies, Inc., 8305 Washington Place, N.E., Albuquerque, New Mexico, 87113. Geotechnical borings drilled to a depth of 25 feet encountered primarily fine- to medium-grained silty sand with some sandy silts. Surface soils to depths of 10 to 13 feet were found to be of moderate calcareous cementation. Region subsoils consist of a thin upper Quaternary valley fill underlain by upper Santa Fe group basin fill. The Santa Fe Junction station lies approximately 4 miles east of the Sand Hills fault zone in the Llano de Albuquerque area.

C. Flood Protection

Flood potential is very unlikely and flood protection is not necessary.

V. Additional Information

Produced water will not be present in the pipeline because all gas transported through this system will be a marketable, methane rich, pipeline quality gas.

Contractors used for the hauling and final disposal of the compressor oil will be approved by the New Mexico Environmental Improvement Division.

Appendix A

Guidelines for the Preparation of Ground Water Discharge Plans
at Natural Gas Processing Plants

RECEIVED APR 2 1990

GUIDELINES FOR THE PREPARATION OF GROUND WATER DISCHARGE PLANS AT NATURAL GAS PROCESSING PLANTS

April 1988

Introduction

The New Mexico Oil Conservation Division (OCD) administers through delegation all New Mexico Water Quality Control Commission (WQCC) regulations pertaining to surface and ground water at oil refineries, natural gas processing plants, geothermal installations, carbon dioxide facilities and natural gas transmission lines. However, the New Mexico Environmental Improvement Division (EID) administers WQCC regulations pertaining to the disposal of human excrement and bath water into surface or ground water at the above-mentioned facilities when the treatment facilities for the sewage are a separate discharge stream such as a small sewage treatment plant, package plant or septic tank and drainfield. If the sewage is in a combined waste system, the OCD will have jurisdiction.

Sections 3-104 and 3-106 of the WQCC Regulations stipulate that, unless otherwise provided for by the regulations, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into the ground water unless such discharge is pursuant to a discharge plan approved by the director.

A proposed discharge plan shall set forth in detail the methods of techniques the discharger proposes to use or processes expected to naturally occur which will ensure compliance with these regulations. The proposed discharge plan must provide the technical staff and the director of the regulating agency (in this case, the OCD) with sufficient information about the operation to demonstrate that the discharger's activities will not cause the regulations or ground water standards to be violated.

Once a plan has been approved, discharges must be consistent with the terms and conditions of the plan. Similarly, if there is any facility expansion, production increase, or process change that would result in any significant modification of the approved discharge of water contaminants, the discharger is required to notify this agency, and have the modification approved prior to its implementation.

Please note that the word "discharge" covers inadvertent as well as intentional discharge - i.e. leaks and spills, or any type of accidental discharge of fluid exceeding the standards given in Section 3-103 of the WQCC Regulations or containing a toxic pollutant as defined in Section 1-101.UU. It is necessary to include in the discharge plan submittal a contingency plan that anticipates where any leaks or spills might occur. It must describe how the discharger proposes to guard against such accidents and detect them when they have occurred. The contingency plan also must describe the steps proposed to contain and remove the spilled substance or mitigate the damage caused by the discharge such that ground water is protected, or movement into surface waters is prevented. The discharger will be required to notify the OCD Director of any leaks or spills, and this commitment must be included in the contingency plan.

present the information required in a discharge plan for this type of facility. Using this format is optional; the final reference for what must be contained in your discharge plan is the WQCC regulations.

If there are any questions on the preparation of a discharge plan, do not hesitate to contact David Boyer or Roger Anderson at the New Mexico Oil Conservation Division (P. O. Box 2088, Santa Fe, New Mexico 87501) or by telephone at (505) 827-5812.

DISCHARGE PLAN GUIDELINES
FOR NATURAL GAS PLANTS

I. GENERAL INFORMATION

Include the following with your application:

A. Name of discharger or Legally Responsible Party

Include address and telephone number.

B. Name of Local Representative or Contact Person (if different from above)

Include address and telephone number.

C. Location of Discharge

Give a legal description of the location (i.e. ¼ ¼, Section, Township, Range) and county. Use state coordinates or latitude/longitude on unsurveyed land. Submit a large scale topographic map, facility site plan, or detailed aerial photograph for use in conjunction with the written material. It should depict the locations of the discharge, process equipment, relevant objects, and the other site information required in Section II through V below.

D. Type of Natural Gas Operation

Indicate the major purpose(s) of the facility (e.g. compression, treatment and/or transportation of natural gas) and briefly describe the plant processes occurring at the facility.

E. Copies

Provide three (3) copies of the discharge plan application to the Santa Fe office. OCD will make available copies for District offices and public review.

F. Affirmation

Include the following affirmation and signature with the application:

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true

accurate and complete to the best of my knowledge and belief."

(Signature)	(Date)
(Printed Name of Person Signing)	(Title)

II. PLANT PROCESSES

A. Sources and Quantities of Effluent And Process Fluids

For each source include primary quality type (eg. High TDS water, hydrocarbons, sewage, etc.), estimated quantities in gallons per day (gpd), and major additives (eg. biocides, etc.):

1. Separators (produced water),
2. Boilers,
3. Engine Cooling Waters,
4. Cooling Tower,
5. Sewage (Indicate if completely separate from other effluents with no commingling. If no commingling, domestic sewage is under the jurisdiction of NM Environmental Improvement Division.),
6. Others (eg. cleaning operations using solvents, truck washing, plant floor drains, waste engine oils, etc.). Describe.

B. Quality Characteristics

Provide the following information for each source listed above. If produced and process fluids are commingled within the facility; if individual rates, volumes and concentrations do not vary beyond a set range; and if process units are entirely self-contained to prevent intentional discharges and spills or inadvertent discharges (see C.2. below), chemical characterization of commingled effluent or process streams may be sufficient to satisfy discharge plan requirements.

If the discharger wishes to submit information on commingled streams in lieu of submittal of individual stream characteristics, adequate information should be provided to justify the request.

1. Provide concentration analyses for Total Dissolved Solids (TDS)in milligrams per liter (mg/l), pH, and Major Cations/Anions (i.e., Na, K, Ca, Mg, Cl, SO_4, HCO_3, CO_3).

2. Provide hydrocarbon analyses for benzene, ethylbenzene, toluene, and meta-, ortho-, and para- xylenes.

3. Provide analyses for WQCC Section 3-103 standards not included within above analyses. Exceptions can be approved upon request for certain constituents if not used in processing or not expected to be present in the waste water effluent (eg. uranium, combined Radium 226 + 228, PCB's, silver, chlorinated hydrocarbons).

4. Discuss the presence or absence of toxic pollutants (WQCC 1-101.UU definition and listing) in each process. If present, provide volumes and concentrations. Estimates may be used pending Director evaluation of discharge plan submittal and proposed discharge methods. Contaminants listed in 1-101.UU may be constitutents of hydrocarbon liquids, solvents, pesticides, etc.

5. Discuss sampling locations, methods, and procedures used to obtain values for #1, 2 and 3 above. Include information as to whether sample was "grab" or time-composited, filtering and preservation techniques, laboratory used for analysis, etc. Sources for sampling and analytical techniques to be used are listed in WQCC 3-107.B.

6. Discuss variablility in flow rates that could produce values higher or lower than values shown above. If major variations in concentrations are inherent or expected in the process, provide ranges and expected average.

C. Transfer and Storage of Process Fluids and Effluents

1. Provide water and wastewater flow schematics with sufficient detail to show individual treatment and process units. If necessary, provide larger scale diagrams for complex processes.

2. To determine what water contaminants may be discharged to the surface and subsurface within the plant, indicate on diagrams the status of transfer and storage collection units with regard to present or potential discharges to ground water. Information desired includes whether tanks, separators and pipelines are pressurized, and above ground or buried. Indicate if fluids (eg. machinery fluids) are drained to surface impoundments, oil skimmer pits, emergency pits, floor drains, sumps, flare pits, etc. for further transfer and processing. Provide size and indicate if these collection units are lined or unlined. If lined describe lining material (eg. concrete, steel tank, etc.). Provide effluent disposal description in Section III.

3. If the plant contains underground process or wastewater pipelines, the age and specification (i.e., wall thickness, fabrication material, (etc.) of said pipelines should be submitted. Upon evaluation of such information, mechanical integrity testing of said pipelines may be necessary as a condition for discharge plan approval. If such testing (e.g. hydrostatic tests) is already conducted, details of the program should be submitted.

D. Spill/Leak Prevention and Housekeeping Procedures

1. Describe procedures addressing containment and cleanup in case of spills from the processing units (i.e. contingency plans). Include information as to whether plant areas are curbed and drained to sumps, final disposition of spill material, proposed schedule for OCD notification of spills, etc.

2. Discuss general "housekeeping" procedures for containment in-plant of precipitation runoff, spills, etc., not directly associated with major plant processes (eg. cleaning

operations, truck washing). Include information on curbings, drainage, disposition, notification, etc. (See Item D.1 above.)

3. Describe methods used to detect leaks and ensure integrity of above and below ground tanks, and in-plant piping. Discuss frequency of inspection and procedures to be undertaken if significant leaks are detected.

4. If an injection well is used for effluent disposal, describe the procedures to be followed to prevent unauthorized discharges to the surface or subsurface in the event the disposal well or disposal line is shut-in for workover or repairs (eg. extra storage tanks, emergency pond, shipment off-site, etc.). Address actions to be taken in the event of disposal pipeline failure, extended disposal well downtime, etc.

III. EFFLUENT DISPOSAL

A. Existing Operations

1. On-Site Facilities.

a. Describe existing on-site facilities used for effluent disposal of process/produced water, sludges, waste oils, solvents, etc., including surface impoundments, disposal pits, leach fields, floor drains, injection wells, land application, etc. (if effluents are shipped off-site, see A.2 below; see B.2 if unit is to be closed as part of this discharge plan). Locate the various disposal areas on the facility site plan or topographic map. Provide technical data on the design elements of each disposal method:

(1) Surface impoundments - Dates of use, type and volume of effluents stored, area, volume, depth, slope of pond sides, sub-grade description, liner type and thickness, compatibility of liner and effluents, installation methods, leak detection methods, freeboard, runoff/runon protection.

(2) Leach fields - Type and volume of effluents, leach field area and design layout. If non-sewage or mixed flow from any process units or internal drains is, or has been, sent to the leach fields, include dates of use and disposition of septic tank sludges.

(3) Injection wells - Describe effluent injected, volume, depth, formation, OCD order number and approval date. Provide information as to whether the effluent is classified as a hazardous waste at the time of injection. (Note - Except for Class II wells, any hole deeper than wide used for subsurface emplacement of fluids is an injection well and subject to the notification requirement of Section 5-300 of the WQCC Regulations. Class II injection wells will be required to obtain an OCD permit. Part 5 WQCC discharge plan approval will be required if the injection well is used to dispose of effluents classified as a hazardous waste.)

(4) Drying beds or other pits - Types and volumes of waste, area, capacity, liner, clean-out interval and method, and ultimate disposal location.

(5) Other on-site disposal (eg. land application etc.) - Describe.

b. For each of the disposal methods listed above (except OCD permitted Class II wells):

(1) Describe the existing and proposed measures to prevent or retard seepage such that ground water at any place of present or future use will meet the WQCC Standards of Section 3-103, and not contain any toxic pollutant as defined in Section 1-101.UU. If a facility is located at a site where ground water contamination has occurred (from whatever source) and discharges to the subsurface by any of the methods listed above (except Class II wells) are proposed to continue, then the operator must demonstrate that the continued discharge

will cause neither increased movement of contaminants to an area of present or future use of ground water, nor elevated levels of contaminants beyond what would occur through natural processes if the discharge had ceased.

(2) Provide the location and design of site(s) and method(s) to be available for sampling, and for measurement or calculation of flow.

(3) Describe the monitoring system existing or proposed in the plan to detect leakage or failure of the discharge system. If ground water monitoring exists or is proposed, provide information on the number, location, design, and installation of monitoring wells; the frequency of sampling, and the constituents to be analyzed.

(4) Describe the proposed periodic reporting of the results of the monitoring and sampling.

(5) Describe the proposed actions and procedures (including OCD notification) to be undertaken by the discharger in the event of detecting leaks or failure of the discharge system.

(6) If operations at this facility are expected to be discontinued during the period that this discharge plan is in effect, describe the measures proposed to prevent ground water contamination after the cessation of operation, including possible post-operational monitoring.

2. Off-site Disposal.

If process/produced waters, sludges, etc. are pumped or shipped off-site, indicate general composition (eg. cooling tower blowdown, waste oils, etc.), method of shipment (eg. pipeline, trucked), shipping agent (name, address), and final disposition (eg. recycling plant, Class II disposal well). Include name, address, and location of receiving facility. If receiving facility is a sanitary or modified landfill

show operator approval for disposal of the shipped wastes.

B. Proposed Modifications

1. If protection of ground water cannot be demonstrated pursuant to b.(1) above, describe what modification of that particular method of disposal (including closure), or new treatment facility, is proposed to meet the requirements of the Regulations. Describe in detail the proposed changes. Provide the information requested in A.1.a. and b. above for the modified and proposed discharge methods.

2. For ponds, pits, leach fields, etc. where protection of ground water cannot be demonstrated, describe the proposed closure of such units so that existing fluids are removed, and emplacement of additional fluids and runoff/runon of precipitation are prevented. Provide a proposed time schedule for closure.

IV. SITE CHARACTERISTICS
(See also Section V)

A. Hydrologic Features

1. Provide the name, description, and location of any bodies of water, streams (indicate perennial or intermittent), or other watercourses (arroyos, canals, drains, etc.); and ground water discharge sites (water wells, seeps, springs, marshes, swamps) within one mile of the outside perimeter of the facility. For water wells, specify use of water (eg. public supply, domestic stock, etc.)

2. Provide the depth to and total dissolved solids (TDS) concentration (in mg/l) of the ground water most likely to be affected by the discharge. Include the source of the information and how it was determined. Provide a recent water quality analysis of the ground water, if available, including name of analyzing laboratory and sample date.

3. If known, provide the flow direction of the ground water most likely to be affected by the discharge. Include the source of the information and how was it determined.

B. Geologic Description of Discharge Site

Provide the following information and attach or reference source information as available (eg. driller's logs):

1. Soil types(s) (sand, clay, loam, caliche);

2. Name of aquifer(s):

3. Composition of aquifer material (eg. alluvium, sandstone, basalt, etc.); and

4. Depth to rock at base of alluvium if available).

C. Flood Protection

Provide information on:

1. The flooding potential at the discharge site with respect to major precipitation and/or run-off events; and

2. Flood protection measures (berms, channels, etc.), if applicable.

V. ADDITIONAL INFORMATION

Provide any additional information necessary to demonstrate that approval of the discharge plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use. Depending on the method and location of discharge, detailed technical information on site hydrologic and geologic conditions may be required to be submitted for discharge plan evaluation. This could include but not be limited to:

(1) Stratigraphic information including formation and member names, thickness, lithologies, lateral extent, etc.

(2) Generalized maps and cross-sections;

(3) Potentiometric maps for aquifers potentially affected;

(4) Porosity, hydraulic conductivity, storativity and other hydrologic parameters of the aquifer;

(5) Specific information on the water quality of the receiving aquifer; and

(6) Information on expected alteration of contaminants due to sorption, precipitation or chemical reaction in the unsaturated zone, and expected reactions and/or dilution in the aquifer.

Appendix B

Material Safety Data Sheets

Material Safety Data Sheet

conoco

Emergency Medical Telephone (800) 441-3637

EL MAR® 3000 ENGINE OIL

I. MATERIAL IDENTIFICATION

Name
El Mar® 3000 Engine Oil

CAS Registry Number
Mixture; See Section XI

Transportation Emergency Phone
1-(800) 424-9300 (Chemtrec)

Chemical Family
Petroleum Hydrocarbon

Grade
SAE 30, 40, 15W-40

Product Use
Industrial Gas Engine Oil

Product Code
7513/7514/7515

II. OSHA HAZARD DETERMINATION

The material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Refer to Section XI of this MSDS for other federal and state regulatory information.

III. PHYSICAL DATA

Appearance and Odor
Brown liquid;
Mild petroleum hydrocarbon odor

Specific Gravity (H_2O=1)
0.90

Boiling Point/Range
700° - 1100°F

% Volatiles (by volume)
Nil

Vapor Pressure
Nil

Solubility in Water
Insoluble

Vapor Density (Air = 1.0)
>1

Evaporation Rate
Nil

IV. REACTIVITY DATA

Stable: X Unstable: ___

Hazardous Decomposition Materials: Hazardous gases/vapors produced are carbon dioxide; incomplete combustion may produce carbon monoxide.

Conditions to Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

Conoco Inc., P.O. Box 2197, Houston, TX 77252
General Information No. (713) 293-5550

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 370°F (PMCC)

Autoignition Temperature: 680°F

Handle and store in accordance with NFPA procedure for Class IIIB Combustible Liquid.

Extinguishing Media: Use water spray, dry chemical, CO_2, foam.

Special Fire Fighting Procedures: Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

Unusual Fire and Explosion Hazards: Products of combustion may contain carbon monoxide, carbon dioxide and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

National Fire Protection Association (NFPA) Classification	HAZARD RATING
Health 0 Fire 1 Reactivity 0	Least-0 Slight-1 Moderate-2 High-3 Extreme-4

VI. TRANSPORTATION AND STORAGE

Storage Conditions:
Store in accordance with National Fire Protection Association regulations.

Shipping Information:
DOT: Not Regulated
IATA/IMO: Not Restricted

VII. HEALTH HAZARD INFORMATION

Exposure Limits

PEL: None Established **TLV:** None Established

Hazardous Materials Identification System (HMIS) Ratings
Health 1 Fire 1 Reactivity 0

Primary Routes of Exposure/Entry: Skin.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure:
Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors. The product does not pose a significant health hazard but, as with many petroleum products, poor hygienic practices or inadequate engineering design that allow prolonged or repeated exposure may cause minor skin irritation.

Laboratory studies with mice have shown that "used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "used" motor oil was not removed between applications. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

Carcinogenicity:
This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA, IARC, or NTP at a concentration greater than 0.1%.

VIII. EMERGENCY AND FIRST AID INFORMATION

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Skin: In case of contact, immediately wash skin with soap and plenty of water. If irritation develops, consult a physician.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physician: Activated charcoal slurry may be administered. To prepare activated charcoal slurry, suspend 50 grams activated charcoal in 400mL water and mix thoroughly. Administer 5mL/kg, or 350mL, for an average adult.

IX. SPILL, LEAK AND DISPOSAL INFORMATION

In Case of Spill or Leak: Contain spill immediately in smallest possible area. Recover as much of the product as possible by such methods as vacuuming, followed by recovering residual fluids by using absorbent materials. Nonrecoverable product, contaminated soil, debris and other materials should be placed in proper containers for ultimate disposal. Avoid washing, draining or directing material to storm or sanitary sewers.

NOTE: Review FIRE AND EXPLOSION HAZARDS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

Waste Disposal Method: Recycle as much of the recoverable product as possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

X. PRECAUTIONARY MEASURES

Respiratory Protection: None required except under unusual circumstances such as described in Section V.

Ventilation: Normal shop ventilation.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin exposure. NBR or neoprene recommended.

Eye Protection: Safety glasses with side shields if splashing is probable.

Other Protective Equipment: Coveralls if splashing is probable.

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

XI. REGULATORY INFORMATION

FEDERAL REGULATIONS

CERCLA, 40 CFR 302
Not Applicable

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986, TITLE III
SECTIONS 302, 304, 311, 312, 313

SECTION 302/304 - Extremely Hazardous Substances (40 CFR 355)
The material is not known to contain extremely hazardous substances at greater than 1.0% concentration; however, it is possible that this material may contain extremely hazardous substances at a lower concentration so that a large enough spill could warrant an Emergency Release Report under Section 304.

SECTION 311/312 - MSDS and Chemical Inventory Reporting Requirements (40 CFR 370)
The material should be reported under the following EPA hazard categories:

__ Immediate (Acute) Health Hazard
__ Delayed (Chronic) Health Hazard
__ Fire
__ Sudden Release of Pressure
__ Reactive
_x_ Not Hazardous

NOTE: See Section II for the concentration of any ingredients classified as hazardous by OSHA.

SECTION 313 - List of Toxic Chemicals (40 CFR 372)
The material is not known to contain chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is not subject to toxic chemical release reporting requirements.

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710
This material is a mixture as defined by TSCA. The chemical ingredients in this material are in Section 8(b) Chemical Substance Inventory and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, Conoco relies on the assurance of responsible third parties in providing this statement.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261, SUBPART C AND D
The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U.S. EPA definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If such contact or mixing occurs, check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, Regulations 40 CFR 262, 263, 264 and 265 may apply.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 116.4A, SECTION 311
The material contains the following ingredient(s) which is considered hazardous if spilled in navigable waters.

Ingredient	Reportable Quantity
Petroleum Hydrocarbons	Film or sheen upon or discoloration of the water surface or adjoining shoreline

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171-178
Not Applicable

STATE REGULATIONS

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 ("PROPOSITION 65")

The material is not known to contain ingredient(s) subject to the Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT

To the best of our knowledge the material is not sold or produced in Pennsylvania. Please notify Conoco at the telephone number noted below if the material results in Pennsylvania commerce.

MSDS Code: MOTC0070	
SECTIONS OF MSDS REVISED:	VIII, XI
DATE OF LATEST REVISION/REVIEW:	5/90 - Replaces MSDS dated 3/90
DEPARTMENT RESPONSIBLE FOR MSDS:	Safety, Occupational Health & Environmental Affairs
PRODUCT INFORMATION CONTACT:	Hazard Communication Analyst Conoco Inc. (713) 293-5550

The above data are based on tests, experience, and other information which Conoco believes reliable and are supplied for informational purposes only. However, some ingredients may have been purchased or obtained from third-party manufacturers. In these instances, Conoco, in good faith relies on information provided by those third parties. Since conditions of use are outside our control, CONOCO DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM THE USE OF THE ABOVE DATA. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY CONOCO WITH RESPECT TO THE DATA, THE MATERIAL DESCRIBED, OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO CONOCO.

ROBERT PADGETT
GEOSYSTEMS CONSULTANTS
SUITE 200
500 COPPER N W
ALBUQUERQUE NM 87102 0000

B000023

HERE ARE THE LATEST MATERIAL SAFETY DATA SHEETS AND/OR SALES SPEC FROM THE DOW CHEMICAL COMPANY

PLEASE REPLACE OUTDATED INFORMATION WITH THE ENCLOSED

FOR FURTHER INFORMATION CONTACT ANN L. WAGONER, DOW CHEMICAL U.S.A., CUSTOMER INFORMATION CENTER, 690 BUILDING, MIDLAND, MI 48667, OR CALL OUR TOLL FREE NUMBER, 1-800-258-CHEM (2436).

MATERIAL SAFETY DATA SHEET

DOW CHEMICAL U.S.A. MIDLAND, MICHIGAN 48674 EMERGENCY (517) • 636 • 4400

Product Name: AMBITROL (R) CN COOLANT

Effective Date: 06/08/90 Date Printed: 01/16/91 MSDS:000026

1. INGREDIENTS: (% w/w, unless otherwise noted)

Ethylene glycol	CAS# 000107-21-1	>90%
Diethylene glycol	CAS# 000111-46-6	<5%
Dipotassium phosphate	CAS# 007758-11-4	<5%
Water	CAS# 007732-18-5	<5%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: 325F, 163C
VAP PRESS: Not determined.
VAP DENSITY: Not determined.
SOL. IN WATER: Infinite
SP. GRAVITY: 1.130 @ 60/60F, 16C
APPEARANCE: Green liquid.
ODOR: Information not available.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 265F, 129C
METHOD USED: PMCC

FLAMMABLE LIMITS
LFL: Not determined.
UFL: Not determined.

EXTINGUISHING MEDIA: Water fog, alcohol resistant, foam, CO2, dry chemical.

(Continued On Page 2)

3. FIRE AND EXPLOSION HAZARD DATA: (CONTINUED)

FIRE & EXPLOSION HAZARDS: Autoignition temperature in air is 748F, 398C.

FIRE-FIGHTING EQUIPMENT: Wear positive-pressure, self-contained breathing apparatus.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Not considered to be a problem under normal storage conditions.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are carbon monoxide, carbon dioxide, and water.

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Small spills: Soak up with suitable absorbent material and sweep into drums for disposal. Large spills: Dike around spill and pump into suitable container for disposal or reprocessing.

DISPOSAL METHOD: Burn in an approved incinerator in accordance with all local, state, and federal requirements.

6. HEALTH HAZARD DATA:

(Continued On Page 3)

6. HEALTH HAZARD DATA:

EYE: Essentially non-irritating to eyes. Vapors or mists may irritate eyes.

SKIN CONTACT: Prolonged or repeated exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched or cut).

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The dermal LD50 has not been determined. Repeated skin exposure to large quantities may result in absorption of harmful amounts.

INGESTION: Excessive exposure may cause central nervous system effects, cardiopulmonary effects (metabolic acidosis), and kidney failure. Amounts ingested incidental to industrial handling are not likely to cause injury; however ingestion of larger amounts could cause serious injury, even death. The oral LD50 for rats is 8200 mg/kg. Single oral dose toxicity is expected to be moderate to humans even though tests with animals show a lower degree of toxicity.

INHALATION: At room temperature, vapors are minimal due to low vapor pressure. If heated or sprayed as an aerosol, concentrations may be attained that are sufficient to cause irritation and other effects.

SYSTEMIC & OTHER EFFECTS: Excessive exposure may cause irritation to upper respiratory tract. Observations in animals include formation of bladder stones after repeated oral doses of diethylene glycol. Observations in animals include kidney and liver effects and deposition of calcium salts in various tissues after long-term dietary intake of ethylene glycol. Based on data from long-term animal studies, diethylene glycol is not believed to pose a carcinogenic risk to man. Ethylene glycol

(Continued On Page 4)

6. HEALTH HAZARD DATA: (CONTINUED)

did not cause cancer in long-term animal studies. Based on animal studies, ingestion of very large amounts of ethylene glycol appears to be the major and possibly only route of exposure to produce birth defects. Exposures by inhalation (tested nose-only in animals to prevent ingestion) or skin contact, the primary routes of occupational exposure, had minimal or essentially no effect on the fetus. Birth defects are unlikely from exposure to diethylene glycol. Exposures having no adverse effects on the mother should have no effect on the fetus. Diethylene glycol has not interfered with reprooduction in animal studies. In studies on rats, ethylene glycol has been shown not to interfere with reproduction. In studies on mice, ingestion of ethylene glycol in large amounts caused a small decrease in the number of litters per pair, live pups per litter and in live pup weight. Results of in vitro ('test tube') mutagenicity tests have been negative.

7. FIRST AID:

EYES: Irrigate immediately with water for at least five minutes.

SKIN: Wash off in flowing water or shower.

INGESTION: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air if effects occur. Consult a physician..

NOTE TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. Consult standard literature. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient. In treatment of intoxication, the

(Continued On Page 5)

7. FIRST AID: (CONTINUED)

use of ethanol, hemodialysis and intravenous fluids to control acidosis should be considered (N Eng J Med 304:21 1981).

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE: ACGIH TLV is 50 ppm Ceiling for ethylene glycol.

VENTILATION: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

SKIN PROTECTION: Use impervious gloves when prolonged or frequently repeated contact could occur.

EYE PROTECTION: Use safety glass. If vapor exposure causes eye discomfort, use a full-face respirator.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid skin and eye contact. Avoid ingestion. Avoid breathing vapors or mists.

Trace quantities of ethylene oxide (EO) may be present in this product. While these trace quantities could accumulate in headspace areas of storage and transport vessels, they are not

(Continued On Page 6)

9. ADDITIONAL INFORMATION: (CONTINUED)

expected to create a condition which will result in EO concentrations greater than 0.5 ppm (8 hour TWA) in the breathing zones of the workplace for appropriate applications. OSHA has established a permissible exposure limit of 1.0 ppm 8 hr TWA for EO. (Code of Federal Regulations Part 1910.1047 of Title 29).

MSDS STATUS: Revised section 9 and regsheet.

(Continued On Page 7)

REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numberous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

U.S. REGULATIONS

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
ETHYLENE GLYCOL	000107-21-1	90 %

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard
A delayed health hazard

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

April 12, 1991

Mr. William J. Lemay, Director
New Mexico Energy, Minerals and
Natural Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Lemay:

This responds to the Public Notice dated March 20 and 21, 1991, regarding the affects of granting State of New Mexico groundwater discharge permits on fish, shellfish and wildlife resources in New Mexico.

The U.S. Fish and Wildlife Service (Service) has determined that there are no wetlands or other environmentally sensitive habitats that will be adversely affected by the following discharges.

GW-5 Warren Petroleum Company, Eunice Gas Processing Plant, Lea County, New Mexico.

GW-65 Gas Company of New Mexico, Rio Puerco Compressor Station, Valencia County, New Mexico.

GW-66 Gas Company of New Mexico, Santa Fe Junction Compressor Station, Sandoval County, New Mexico.

Direct adverse impacts to migratory birds will occur from petroleum hydrocarbon contamination if the birds gain access to the oil that is present on the ponds or tanks as noted by visible oil sheens. Migratory birds that become covered by or ingest oil typically suffer mortality due to hypothermia or poisoning. The Service recommends that all tanks and ponds, regardless of size, be netted to prevent any access by migratory birds.

Migratory birds are protected under the Migratory Birds Treaty Act (MBTA). If migratory birds become exposed to or accumulate harmful levels of contaminants, this constitutes "take" under the MBTA. The MBTA makes it unlawful for anyone at any time or in any manner to ". . . kill . . ." any migratory birds unless permitted by regulations promulgated under the Act.

The courts have stated that the MBTA can be constitutionally applied to impose penalties to persons, associations, partnerships, or corporations that did not intend to "kill" migratory birds and that the MBTA includes poisoning by any means. The MBTA holds that the unlawful killing of even one migratory bird is an offense (Olive, S.W. and R.L. Johnson. 1986. Environmental Contaminants: Selected Legal Topics. Fish and Wildlife Service Biological Report 87(1) November 1986).

These comments represent the views of the Service. If you have any questions concerning our comments, please contact Scott P. Hamilton-McLean at FTS 474-7877 or (505) 883-7877.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Regional Administrator, Environmental Protection Agency, Dallas, Texas
Regional Director, U.S. Fish and Wildlife Service, Fish and Wildlife Enhancement, Albuquerque, New Mexico
Regional Director, U.S. Fish and Wildlife Service, Division of Law Enforcement, Albuquerque, New Mexico
Regional Oil Pits Coordinator, U.S. Fish and Wildlife Service, Division of Refuges, Albuquerque, 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, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-66) Gas Company of New Mexico, L.B. Dean, Plant Manager, P.O. Box 1899, Bloomfield, New Mexico, 87413, has submitted a discharge plan application for its Santa Fe Junction compressor station located in Unit 9, Rio Rancho Estates, Township 12 North, Range 2 East, NMPM, Sandoval County, New Mexico. Approximately 4 gallons per day of washdown water and used oil will be stored in an above ground steel tank within a lined bermed area prior to transport to a state approved recycling contractor. Groundwater most likely to be affected by any spill, leak or other accidental discharge to the surface is at a depth of approximately 719 feet with a total dissolved solids concentration of approximately 364 mg/l. The discharge plan application addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-65) Gas Company of New Mexico, L.B. Dean, Plant Manager, P.O. Box 1899, Bloomfield, New Mexico, 87413, has submitted a discharge plan application for its Rio Puerco compressor station located in the SE/4 NW/4, Section 25, Township 19 North, Range 3 West, NMPM, Sandoval County, New Mexico. Approximately 4 gallons per day of washdown water and used oil will be stored in an above ground steel tank set within a lined bermed area prior to transport to a state approved recycling contractor. Groundwater most likely to be affected by any spill, leak or other accidental discharge to the surface is at a depth of approximately 80 feet with a total dissolved solids concentration of approximately 1250 mg/l. The discharge plan application 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 application may be viewed at the above address between 8:00 a.m. and 5:00 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 shall be held. A public hearing will be held if the Director finds 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 on the 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 21st day of March, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director

Publish: April 8, 1991

STATE OF NEW MEXICO
County of Bernalillo ss

OIL CONSERVATION DIVISION
RECEIVED
'91 APR 12 AM 8 5

Thomas J. Smithson being duly sworn declares and says that he is National Advertising manager of the **Albuquerque Journal** , and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chaper 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for 1 times, the first publication being on the 8 day

of April, 1991, and the subsequent consecutive

publications on ....., 1991.

Thomas J. Smithson

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this 8 day of April, 1991.

Bernadette Ortiz
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 10/18/93

PRICE $ 28.84

Statement to come at end of month.

CLA-22-A (R-12/91) ACCOUNT NUMBER C81184

New Mexico's Fastest Growing Newspaper

Michael J. Ryan
Publisher

Panorama Plaza Suite D & E
1594 Sara Rd, Rio Rancho, NM 87124
P.O. Box 15878, Rio Rancho, NM 87174
(505)892-8080 FAX (505)892-5719

SD_____

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO)
)
COUNTY OF SANDOVAL)

MICHAEL J. RYAN, being duly sworn, upon oath stated:

That affiant is the Publisher of THE OBSERVER, a weekly newpaper published in the County of Sandoval and having a general circulation in the City of Rio Rancho and the County of Sandoval and duly qualified for the publication of legal advertisements within the meaning of the Publication of Notice Act, being Sections 14-11-1 seq., NMSA 1978, as amended; that the publication, a copy of which is hereto attached, was published in said newpaper in the regular edition and entire issue of every number of the paper during the period and time of publication, and that said Notice was published in the Newspaper proper, and not in a supplement, for 1 consecutive weeks, the first publication being on the 27th day of March 1991 and the subsequent publication(s) on 1991 and that payment therefore has been made or assessed as court costs in the case and cause number shown in the attached publication.

Michael J. Ryan
Affiant

Subscribed and sworn to before me this 27th day of March, 1991.

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

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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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 21st day of March, 1991. To be published on or before March 29, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for William J. Lemay

WILLIAM J. LEMAY, Director

S E A L

GAS COMPANY OF NEW MEXICO

OIL CONSERVATION DIVISION
RECEIVED
'91 MAR 6 AM 9 56

March 5, 1991

Mr. Dave Boyer
Chief, Environmental Bureau
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Dear Mr. Boyer,

Enclosed please find three copies of the Santa Fe Junction Compressor Station Discharge Plan. Again, thank you for your attention to this matter.

If you have any questions, please do not hesitate to call me at 880-7966.

Sincerely,

Paula Y McAfee

Paula Y. McAfee
Staff Engineer

cc: Steven Emrick - GCNM
L.B. Dean - GCNM

File Copy

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

March 5, 1991

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Certified Mail
Return Receipt No. P-327-278-095

Ms. Paula Y. McAfee
Gas Company of New Mexico
P. O. Box 26400
Albuquerque, New Mexico 87125

RE: Operation of Santa Fe - Junction Compressor Station
Rio Rancho, Sandoval County

Dear Ms. McAfee:

The Oil Conservation Division (OCD) has received your request, dated March 4, 1991, for permission to operate the above compressor pending discharge plan approval. During the time of operation discharges of small quantities of liquid will be to above ground tanks within lined berms.

Pursuant to Water Quality Control Commission (WQCC) Regulation 3-106.B., you are hereby authorized to discharge at the Santa Fe Junction Compressor Station without an approved discharge plan for a period not to exceed 120 days beginning March 1, 1991 and expiring on June 28, 1991, or the date of discharge plan approval, whichever is first.

During the 120-day period, the discharge plan application will be processed. Since the 120-day period can not be extended, timely submittal of any OCD-requested information will ensure that permitting is concluded prior to the expiration date.

If you have any questions, please contact Roger Anderson at (505) 827-5884.

Sincerely,

William J. LeMay
Director

WJL/DGB/sl

cc: Aztec OCD Office

FAX TRANSMITTAL SHEET

OIL CONSERVATION DIVISION - FAX NO. (505) 827-5741

TO: Paula McAfee	FR: Dave Boyer 827-5812
PAGES w/cover: 2	DATE: ~~3/5/91~~ 3/5/91

If there are any problems with this transmission, please call (505) 827-5806.

GAS COMPANY OF NEW MEXICO

OIL CONSERVATION DIVISION
RECEIVED

'91 MAR 6 AM 8 57

March 4, 1991

Mr. William J. LeMay
Chairman and Director
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Dear Sir:

Pursuant to my conversation with Roger Anderson this morning, the Gas Company of New Mexico is respectfully requesting permission to operate a small natural gas compressor station at our Santa Fe Junction site pending approval of our discharge plan. We understand that such permission may be granted for a period of up to 120 days. We request that the 120 day period begin on March 1, 1991.

The site, Santa Fe Junction, is located at Unit 9, Rio Rancho Estates, Township 12 North, Range 2 East, NMPM, in Sandoval County, NM. This site is a GCNM measurement station and pipeline junction. We have installed a 1032 hp Waukesha 7042 GL natural gas compressor at this site.

We have prepared a discharge plan for this site as per your request. Unfortunately, due to our unfamiliarity with this requirement we neglected to submit the plan in time for approval. This was an oversight on our part. Gas Company of New Mexico fully intends to comply with all environmental regulations.

We have made arrangements to meet with Mr. Anderson within the next week to discuss this issue. It is our intention to avoid such misunderstandings in the future.

Gas Company of New Mexico believes that operation of this site will not result in any adverse impact to ground water or surface water. There will be no discharges of liquids from this site. The small quantities of liquids, used for normal operation of this compressor, are contained in above ground tanks within lined berms. Operation of this site is necessary to allow GCNM to meet its contractual obligations to transport natural gas for our customers.

P.O. Box 26400, Albuquerque, New Mexico 87125 (505) 880-7900

Please inform me of your decision regarding this matter. You can contact me at 880-7966 for additional information.

Very Sincerely Yours,

Paula Y McAfee

Paula Y. McAfee
Staff Engineer
Gas Company of New Mexico

cc: L.B. Dean - GCNM
Steve Emrick - GCNM
Gary Jordan - Geoscience Consultants, Inc.

GAS COMPANY OF NEW MEXICO

March 4, 1991

Mr. William J. LeMay
Chairman and Director
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

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Very Sincerely Yours,

Paula Y McAfee

Paula Y. McAfee
Staff Engineer
Gas Company of New Mexico

cc: L.B. Dean - GCNM
Steve Emrick - GCNM
Gary Jordan - Geoscience Consultants, Inc.

GASFAX

Date: March 4, 1991

To: Name WILLIAM LEMAY Fax No. 1-827-5741

From: Name PAULA McAFee Fax No. [redacted] 880-7280

Total number of pages including this cover sheet 3.

We are transmitting from an Omnifax Model G66I. Should you not receive all pages, telephone 505-880-7955

Special instructions:

GAS COMPANY OF NEW MEXICO

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

November 19, 1990

CERTIFIED MAIL -
RETURN RECEIPT NO. P-327-278-304

Mr. L. B. Dean
Gas Company of New Mexico
P. O. Box 1899
Bloomfield, New Mexico 87413

RE: Discharge Plan Requirement

Dear Mr. Dean:

Under the provisions of the Water Quality Control Commission (WQCC) Regulations, you are hereby notified that the filing of discharge plans is required for the following compressor stations:

1. Rio Puerco Station
   Section 25, Township 8 North, Range 3 West, NMPM
   Valencia County, New Mexico

2. Santa Fe Junction Station
   Unit 9, Rio Rancho Estates
   Township 12 North, Range 2 East, NMPM
   Sandoval County, New Mexico

This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC Regulations. The discharge plan, defined in Section 1.101.P. of the WQCC Regulations, should cover all discharges of effluent or leachate at the plant site or adjacent to the plant site. Included in the application should be plans for controlling spills and accidental discharges at the facility (including detection of leaks in buried underground tanks and/or piping).

A copy of the regulations is enclosed for your convenience. Also enclosed is a copy of an OCD guide to the preparation discharge plans for gas processing plants. The guidelines are presently being revised to include berming of tanks, curbing and paving of process areas susceptible to leaks or spills and the disposition of any solid wastes. Three copies of each discharge plan application should be submitted.

If there are any questions on this matter, please feel free to call David Boyer at 827-5812, or Roger Anderson at 827-5884 as they have the assigned responsibility for review of all discharge plans.

Sincerely,

William J. LeMay
Director

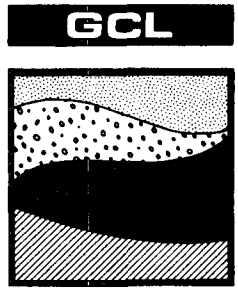
WJL.RCA.sl

Enclosure

cc: OCD Santa Fe District Office

Geoscience Consultants, Ltd.

500 Copper Avenue N.W. Suite 200
Albuquerque, New Mexico 87102
(505) 842-0001 FAX (505) 842-0595



November 13, 1990

Mr. Roger Anderson
Oil Conservation Division
P.O. Box 2088, RM #206
Santa Fe, NM 87504

RE: SANTA FE JUNCTION STATION NOTICE OF INTENT TO DISCHARGE

Dear Mr. Anderson:

Enclosed is a Notice of Intent to Discharge for Gas Company of New Mexico's Santa Fe Junction Compressor Station located in Township 12 North, Range 2 East, NMPM, Sandoval County.

The construction of the Santa Fe Junction Station is scheduled to start March 1991.

We look forward to working with you as you review the Notice of Intent and your determination as for need of a Discharge Plan for the Santa Fe Junction Station.

Sincerely,

Gary L. Jordan
Senior Engineer

GLJ/lc/0510/OCD003.LTR

Enclosure

cc: L.B. Dean - GCNM
Paula McAfee - GCNM

GCL

NOTICE OF INTENT

1) Name and address of person making the discharge:

Gas Company of New Mexico
P.O. Box 1899
Bloomfield, NM 87413
(505) 632-3311
ATTN: L.B. Dean

2) Location of the discharge:

Santa Fe Junction Station, Town of Alemeda Grant, Unit 9, Rio Rancho Estates, Township 12 North, Range 2 East, NMPM, Sandoval County, New Mexico (Plate 1).

3) Type of discharge:

(1) Used lubricating oil, which is changed out from the compressor.
(2) Ambitrol (Dow Chemical glycol), is used as a coolant for the compressors and is added as evaporation takes place.
(3) Fresh water is used for wash down water to clean or wash down the compressors and engines.

4) The means of discharge:

(1) The used lubricating oil is stored in an above ground tank and picked up by Mesa Oil for recycling.
(2) Ambitrol (glycol) is not changed out, and is only added as needed.
(3) Wash down water is held in a storage tank and then transported to an approved wastewater disposal site.

5) The type of operation from which the discharge is derived:

Santa Fe Junction station is a field compression facility for compressing of "pipeline quality" gas.

6) The estimated flow to be discharged per day:

(1) Used lubricating oil is collected at a rate of 100 gallons per month.
(2) Make up Ambitrol is added at a rate of 50 gallons per year.
(3) Wash down water is collected at a rate of 10 gallons per month.

7) The estimated depth to ground water:

Base on well information from the State Engineers office estimated depth to ground water is 719 ft.

Signed: Paula J McAfee Date: Nov 14, 1990

0510/INTENT1.FRM

4 - comp

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VOLCANO RANCH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

Santa Fe Junction Station
T12N, R2E, Sandoval County, NM

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods and by plane-table surveys 1954. Aerial photographs taken 1949

Polyconic projection. 1927 North American Datum
10,000-foot grid based on New Mexico coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1967 and 1972. This information not field checked

To place on the predicted North American Datum 1983 move the projection lines 1 meter south and 52 meters east as shown by dashed corner ticks

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Light-duty ——— Unimproved dirt - - - - - -

Plate 1

VOLCANO RANCH, N. MEX.
35106-B7-TF-024

1954
PHOTOREVISED 1967 AND 1972
DMA 4654 III NE-SERIES V881