

GW - 142

**GENERAL
CORRESPONDENCE**

YEAR(S):
2004 - 1993

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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Duke Energy Field Services, LP</u> Telephone: <u>(505) 391-5705</u> e-mail address: _____		
Address: <u>1625 W. Marland, Hobbs, NM 88240</u>		
Facility or well name: <u>Sand Dunes Booster Station</u> API #: _____ U/L or Qtr/Qtr <u>SE/SE</u> Sec <u>23</u> T <u>23S</u> R <u>31E</u>		
County: <u>Eddy</u> Latitude <u>32.2835299</u> Longitude <u>-103.74087</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Lube oil, wash down water, storm water Volume: <u>11.9</u> bbl Type of fluid: _____ Construction material: <u>Fiberglass</u> Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> If not, explain why not. _____ Engine Skid Sump	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more <input checked="" type="checkbox"/> (0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No <input checked="" type="checkbox"/> (0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more <input checked="" type="checkbox"/> (0 points)	
Ranking Score (Total Points)		0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 9-21-04

Printed Name/Title Ronnie Gilchrest, Field Supervisor

Signature Ronnie Gilchrest

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title _____

Signature _____

Date: _____

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 9/6/04
or cash received on _____ in the amount of \$ 1700⁰⁰
from DUKE ENERGY field services L.P.

for SAND DUNES COMP ST GW-142

Submitted by: JACK FORD (Facility Name) Date: 9/3/04 (DP No.)

Submitted to ASD by: [Signature] Date: "

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal ☒

Modification _____ Other _____ (optional)

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment ☒ or Annual Increment _____

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER WITH VISIBLE FIBERS AND A TRUE WATERMARK ON THE REVERSE SIDE

Duke Energy Field Services, LP
Accounts Payable
370 17TH ST SUITE 2500
Denver, Colorado 80202

THE CHASE MANHATTAN BANK, N.A.
SYRACUSE, NEW YORK

50-937/213

VENDOR NO.

0000078217

CHECK DATE

09/01/04

CHECK NUMBER

PAY
ONLY



1700⁰⁰
ONE SEVEN ZERO ZERO CTSCTS

NOT NEGOTIABLE AFTER 120 DAYS

CHECK AMOUNT

*****\$1,700.00

TO THE
ORDER OF

NEW MEXICO-
WATER MANAGEMENT QUALITY
MANAGEMENT FUND
C/O OIL CONSERVATION DIVISION
Santa Fe, NM 87505



Myron L. Caldwell
AUTHORIZED SIGNATURE

One thousand seven hundred and 00/100 Dollars

HOLD BETWEEN THUMB AND FOREFINGER. OR BREATHE ON COLORED BOX COLOR WILL DISAPPEAR, THEN REAPPEAR.

Duke Energy Field Services, LP
Accounts Payable
370 17TH ST SUITE 2500
Denver, Colorado 80202

VENDOR NUMBER
0000078217
VENDOR NAME
NEW MEXICO-

CHECK NUMBER
[REDACTED]
CHECK DATE
09/01/04

INVOICE NUMBER	INVOICE DATE	NET AMOUNT	DESCRIPTION
SD DISCHARGE PLA Gw-142	08/27/04	1,700.00	SAND DUNES CS
TOTAL PAID			\$1,700.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS



2004 SEP 3 AM 11 09

370 17th Street, Suite 2500
Denver, Colorado 80202
(303) 595-3331

September 2, 2004

UPS Next Day Air (1Z F46915 22 1003 6789)

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

Subject: Sand Dunes Compressor Station
Discharge Plan GW-142
Eddy County, New Mexico

Dear Mr. Anderson:

In response to the New Mexico Oil Conservation Division's (OCD) July 28, 2004 correspondence, Duke Energy Field Services, LP (DEFS) submits the following for the Sand Dunes Compressor Station discharge plan approved by OCD on February 17, 2003:

- Enclosed check for \$1,700.00 for the discharge permit fee; and
- Enclosed signed Discharge Permit Approval Conditions.

Since the facility does not currently discharge to surface water and does not intend have a discharge or discharges that may move directly or indirectly into groundwater, DEFS does not believe that a discharge permit is required for the facility. DEFS expects to discuss cancellation of this permit for this facility, along with others DEFS has identified as similarly situated, at the OCD meeting scheduled with DEFS for September 14, 2004.

If you have any questions, please call me at (303) 605-1717.

Sincerely,
Duke Energy Field Services, LP

A handwritten signature in cursive script that reads 'Ruth M. Lang'.

Ruth Lang, Water Waste Programs Manager
for Karin Char Kimura
Senior Environmental Specialist

Enclosures



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

July 28, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Mr. Mark Nault
Duke Energy Field Services, LP
3300 N. A Street, Building 7
Midland, Texas 79705

**RE: Discharge Permit Renewal GW-142
Duke Energy Field Services, LP
Sand Dunes Compressor Station
Eddy County, New Mexico**

Dear Mr. Nault:

The ground water discharge permit renewal for GW-142, Duke Energy Field Services, LP's Sand Dunes Compressor Station, located in the SE/4 SE/4 of Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico was approved by the Director, New Mexico Oil Conservation Division (OCD) in a document dated February 17, 2003. The approved renewal was sent to you at the above address on that date with instructions to have an officer or an appointed agent execute the enclosed Attachment to the Discharge Permit Approval Conditions. To date the executed Attachment has not been received by the OCD.

The approval document also stipulated the discharge permit is subject to 20.6.2.3114 NMAC, which requires payment of a permit fee of \$1,700.00 for compressor stations of similar horsepower ratings. The OCD has received the required \$100.00 filing fee for renewal but to date has not received for each renewal the permit fee.

Please be advised that failure to comply with WQCC Regulations and the requirements stipulated in the approval of renewal of the discharge permit is a violation of those Regulations and could result in a compliance action by the New Mexico Oil Conservation Division.

Mr. Mark Nault
GW-142 Sand Dunes Compressor Station
July 28, 2004
Page 2

The executed Attachment of Conditions and the payment in full of the required permit fee must be received by the OCD, in Santa Fe, within 30 days of receipt of this notification. If you have any questions please contact Mr. Jack Ford at (505) 476-3489.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger C. Anderson", with a long horizontal flourish extending to the right.

Roger C. Anderson, Chief
Environmental Bureau
Oil Conservation Division

RCA/wjf

cc: OCD Artesia District Office



RECEIVED

JUN 12 2003

OIL CONSERVATION
DIVISION

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202
303 595 3331

June 9, 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED (Article No. 7002 2030 0006 2400 0396)

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

Subject: Sand Dunes Compressor Station
Discharge Plan GW-142
Eddy County, New Mexico

Dear Mr. Ford:

As agreed upon in the meeting with Duke Energy Field Services, LP (DEFS) and the New Mexico Oil Conservation Division (NMOCD) on May 5, 2003, DEFS will postpone returning a signed copy of the Discharge Plan Conditions of Approval and discharge plan fee for the recently approved Sand Dunes Compressor Station Discharge Plan until receiving further instructions from NMOCD.

If you have any questions concerning the Sand Dunes Compressor Station Discharge Plan, please contact me at (303) 605-1717. Please send all correspondence regarding this North Compressor Station Discharge Plan renewal to me at 370 17th Street, Suite 900, Denver, CO 80202.

Sincerely,
Duke Energy Field Services, LP

Karin Char Kimura
Senior Environmental Specialist

cc: NMOCD District 2 Office (via Certified Mail Return Receipt Requested 7002 2030 0006 2400 2321)
1301 W. Grand Ave.
Artesia, New Mexico 88210

January 24, 2003

FEDERAL EXPRESS
PRIORITY OVERNIGHT (Tracking Number 8336 1954 7158)

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

Subject: Sand Dunes Compressor Station
Discharge Plan GW-142
Eddy County, New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) has provided public notice, in accordance with the Water Quality Control Commission regulations (20.6.2.3108 NMAC), for the Sand Dunes Compressor Station discharge plan renewal application.

DEFS submits the following as proof of notice:

- Affidavit of posting in the following newspaper: Carlsbad Current Argus
- Copy the notice and certified mail return receipt for the notice provided to the landowner
- Photograph of the sign posted in English and Spanish on the facility front gate
- Copy of the synopsis of public notice in English and Spanish posted on the facility front gate

If you have any questions concerning the Sand Dunes Compressor Station discharge renewal, please contact me at (303) 605-1717. Please send all correspondence regarding this Sand Dunes Compressor Station Discharge Plan renewal to me at 370 17th Street, Suite 900, Denver, CO 80202.

Sincerely,
Duke Energy Field Services, LP



Karin Char Kimura
Senior Environmental Specialist

Attachments

cc: NMOCD District 2 Office (via FedEx Priority Overnight Tracking No. 8336 1954 7169)
1301 W. Grand Ave.
Artesia, New Mexico 88210

Duke Energy Field Services, LP, 370 17th Street, Suite 900 Colorado 80202 has submitted a discharge plan renewal application for its Sand Dunes Compressor Station located in the SE/4 SE/4, S4 Township 23 South, Range 31 East, Eddy County, New Mexico. The Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, Telephone (505) 476-3440. DEFS does not produce or discharge effluent or waste solids on site; all effluent and waste generated at the facility are removed from the facility for off site disposal in accordance with applicable New Mexico Oil Conservation Regulations, New Mexico Environment Department, and EPA regulations. The water most likely to be affected in an event of an accidental discharge to the surface is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3500 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, submit comments, and request to be placed on a facility-specific mailing address to receive future notices to the Oil Conservation Division at the address or telephone number given above. The Oil Conservation Division will accept comments and statements of interest regarding the discharge plan renewal application and will create a facility-specific mailing list of persons who wish to receive future notices.

January 13, 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED (Article No. 7001 1140 0003 5916 6299)

U.S. Department of Interior
Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502-0115

Subject: Duke Energy Field Services, LP
Notice of Sand Dunes Compressor Station Discharge Plan Renewal Application

Dear Bureau of Land Management:

Duke Energy Field Services, LP, 370 17th Street, Suite 900, Denver, Colorado 80202 has submitted a discharge plan renewal application for its Sand Dunes Compressor Station located in the SE/4 SE/4, Section 23, Township 23 South, Range 31 East, Eddy County, New Mexico to the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, Telephone (505) 476-3440. DEFS does not propose to discharge effluent or waste solids on site; all effluent and waste solids generated at the facility are removed from the facility for off site disposal in accordance with applicable New Mexico Oil Conservation Division, New Mexico Environment Department, and EPA regulations. Ground water most likely to be affected in an event of an accidental discharge at the surface is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3500 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, submit comments, and request to be placed on a facility-specific mailing address to receive future notices to the Oil Conservation Division at the address or telephone number given above. The Oil Conservation Division will accept comments and statements of interest regarding the renewal application and will create a facility-specific mailing list for persons who wish to receive future notices.

Sincerely,
Duke Energy Field Services, LP



Karin Char Kimura
Senior Environmental Specialist

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:

U.S. Department of Interior
Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502-0115

2. Article Number

(Transfer from service label)

7001 1140 0003 5916 6299

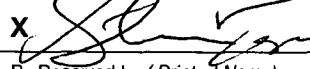
PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-03-61

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent☐ Addressee

B. Received by (Printed Name)

STEVEN TOYA

C. Date of Delivery

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

JAN 15 2003

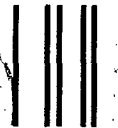
3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Duke Energy Field Services, LP
370 17th Street, Suite 900
Denver, CO 80202
Attn: Karin Char Kimura, Env. Dept.

Send Dues



Duke Energy Field Services, LP, 370 17th Street, Suite 900, Denver, Colorado 80202 has submitted a discharge plan renewal application for its Sand Dunes Compressor Station located in the SE/4 SE/4, Section 23, Township 23 South, Range 31 East, Eddy County, New Mexico to the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, Telephone (505) 476-3440. DEFS does not propose to discharge effluent or waste solids on site; all effluent and waste solids generated at the facility are removed from the facility for off site disposal in accordance with applicable New Mexico Oil Conservation Division, New Mexico Environment Department, and EPA regulations. Ground water most likely to be affected in an event of an accidental discharge at the surface is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3500 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, submit comments, and request to be placed on a facility-specific mailing address to receive future notices to the Oil Conservation Division at the address or telephone number given above. The Oil Conservation Division will accept comments and statements of interest regarding the renewal application and will create a facility-specific mailing list for persons who wish to receive future notices.

Duke Energy Field Services, LP, 370 17th Street, Suite 900, Denver, Colorado 80202 se han sometido una aplicación de la renovación del plan de la descarga para su Estación de Compresor de Dunas de Arena localizada en el SE/4 SE/4, la Sección 23, Municipio 23 al sur, Recorren 31 al este, Condado de Eddy, Nuevo México a la División de la Conservación del Aceite, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, el Teléfono (505) 476-3440. DEFS no propone descargar efluente ni los sólidos del desecho locales; todo efluente y los sólidos del desecho engendrados en la facilidad se quitan de la facilidad para de la disposición del sitio de acuerdo con División aplicable de la Conservación de Aceite de Nuevo México, del Departamento del Ambiente de Nuevo México, y de las regulaciones de EPA. El suelo rega muy probable de ser afectado en un acontecimiento de una descarga accidental en la superficie está en una profundidad de aproximadamente 220 pies con un suma la concentración disuelta de sólidos de aproximadamente 3500 mg/L. Las direcciones del plan de la descarga cómo los derramamientos, los escapes, y otras descargas accidentales a la superficie seran manejados. Qualquier persona interesada puede obtener información adicional, someter comentarios, y la peticion de ser colocado en una dirección facilidad-especifica del correo para recibir avisos futuros a la División de la Conservación del Aceite en la dirección o el numero de telefono dado arriba. La División de la Conservación del Aceite aceptará los comentarios y las declaraciones del interés con respecto a la aplicación de la renovación y creará una lista de envío específica de la facilidad para personas que desean para recibir notas futuras.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 12/10/02,
or cash received on _____ in the amount of \$ 100.00
from Duke Energy Field Services
for Sand Dunes C.S. GW-142
Submitted by: [Signature] Date: 1-7-03
Submitted to ASD by: _____ Date: _____
Received in ASD by: _____ Date: _____

Filing Fee ☒ New Facility _____ Renewal ☒
Modification _____ Other _____
(optional)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ☒ or Annual Increment _____

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER WITH VISIBLE FIBERS AND A TRUE WATERMARK ON THE REVERSE SIDE.

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

THE CHASE MANHATTAN BANK, N.A.
SYRACUSE, NEW YORK

VENDOR NO. 0000078220	CHECK DATE 12/10/02	CHECK NUMBER [REDACTED]
--------------------------	------------------------	----------------------------

PAY ONLY

100.00

NOT NEGOTIABLE AFTER 120 DAYS

CHECK AMOUNT
*****\$100.00

TO THE ORDER OF
NMED-
Water Quality Management Fund
NM Oil Conservation District
1220 South St Francis Drive
Santa Fe, NM 87504

[Signature]
AUTHORIZED SIGNATURE

One hundred and 00/100 Dollars

HOLD BETWEEN THUMB AND FOREFINGER, OR BREATHE ON COLORED BOX, COLOR WILL DISAPPEAR, THEN REAPPEAR.

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

VENDOR NUMBER
0000078220
VENDOR NAME
NMED-

CHECK NUMBER
[REDACTED]
CHECK DATE
12/10/02

INVOICE NUMBER	INVOICE DATE	NET AMOUNT	DESCRIPTION
120302-ENV FEES	12/03/02	100.00	GW-142
TOTAL PAID			\$100.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS



Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

December 20, 2002

RECEIVED

JAN 06 2003

Environmental Bureau
Oil Conservation Division

FEDERAL EXPRESS
SECOND DAY (Tracking Number 8336 1954 5486)

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

Subject: Sand Dunes Compressor Station
Discharge Plan GW-142
Eddy County, New Mexico

Dear Mr. Ford:

As we have discussed previously, DEFS does not believe that the New Mexico Water Quality Act, NMSA 1978, §§74-6-1 to 17, and the regulations adopted under that act are applicable to compressor stations. Specifically, NMSA 1978, §74-6-12.G (1999) provides that "[t]he Water Quality Act does not apply to any activity or condition subject to the authority of the oil conservation commission pursuant to the provisions of the Oil and Gas Act, Section 70-2-12 NMSA 1978 and other laws conferring power on the oil conservation commission to prevent or abate water pollution." NMSA 1978, §70-2-12.B(21) (1996) provides that the OCC has the authority to regulate "the disposition of nondomestic wastes resulting from the exploration, production or storage of crude oil or natural gas to protect public health and the environment." The language of Section 70-2-12.B(21), DEFS believes, precludes the application of the Water Quality Act to the disposal of wastes from compressor stations. Therefore, DEFS is under no obligation to comply with the discharge plan renewal requirements of the WQCC regulations.

Further, even if the Water Quality Act and regulations applied, the WQCC regulations do not require a discharge plan for this facility. According to the WQCC regulations, 20.6.2.3106B NMAC, a facility must have an approved discharge plan if the facility intends to or has a discharge or discharges that may move directly or indirectly into groundwater.

The Sand Dunes Compressor Station does not have any discharges that may move directly or indirectly into groundwater. Therefore, DEFS does not believe that a discharge plan is required under the WQCC regulations. Since the WQCC regulations do not require a discharge plan, DEFS is under no legal obligation to renew Discharge Plan GW-128. DEFS disagrees that any discharge plan is required for this facility under the WQCC's regulations.

Although DEFS believes that it is not required to have a discharge plan for Sand Dunes Compressor Station, DEFS submits the following for Sand Dunes Compressor Station:

- Enclosed discharge plan renewal application (original and a copy);
- Enclosed check in the amount of \$100 for the discharge plan renewal application filing fee.

Mr. Jack Ford
Page 2 of 2.
December 20, 2002

Pleased be advised that DEFS' submittal of the renewal application and application filing fee does not waive DEFS' objection to the OCD's position regarding applicability of the WQCC regulations.

If you have any questions concerning DEFS' position or the renewal application, please contact me at (303) 605-1717. Please send all correspondence regarding this Sand Dunes Compressor Station Discharge Plan renewal to me at 370 17th Street, Suite 900, Denver, CO 80202.

Sincerely,
Duke Energy Field Services, LP



Karin Char Kimura
Senior Environmental Specialist

Enclosures

cc: NMOCD District 2 Office (via FedEx Second Day Tracking No. 8336 1954 5453)
1301 W. Grand Ave.
Artesia, New Mexico 88210

OIL CONSERVATION DIV.

03 JAN -2 PM 2:39

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

December 31, 2002

FEDERAL EXPRESS
EXPRESS SAVER (Tracking Number 8336 1954 7645)

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

Subject: Sand Dunes Compressor Station
Discharge Plan GW-142
Eddy County, New Mexico

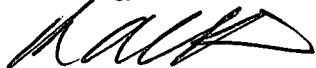
Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) submits a revision to the landowner information for the Sand Dunes Compressor Station discharge plan renewal application dated December 20, 2002 and submitted to NMOCD.

The landowner for the Sand Dunes Compressor Station located in the SE/4 SE/4, Section 23, Township 23 South, Range 31 East is the U.S. Department of Interior Bureau of Land Management (BLM). The address for the BLM New Mexico State Office is P.O. Box 27115, Santa Fe, New Mexico 87502-0115.

If you have any questions concerning this discharge plan renewal, please contact me at (303) 605-1717. Please send all correspondence regarding the Sand Dunes Compressor Station Discharge Plan renewal to me at 370 17th Street, Suite 900, Denver, CO 80202.

Sincerely,
Duke Energy Field Services, LP



Karin Char Kimura
Senior Environmental Specialist

cc: NMOCD District 2 Office (via FedEx Express Saver Tracking No. 8336 1954 7700)
1301 W. Grand Ave.
Artesia, New Mexico 88210



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor
Betty Rivera
Cabinet Secretary

November 22, 2002

Lori Wrotenberg
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9277

Ms. Karin Char
Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217

RE: Discharge Plan Renewal Notice for Duke Energy Field Services Facilities

Dear Ms. Char:

The OCD is providing Duke Energy Field Services a notice that the following discharge plans expire at various dates during the year 2003.

GW-127 expires 2/3/2003 – Burton Flats Gas Plant
GW-139 expires 4/28/2003 – CP-1 Compressor Station
GW-142 expires 5/17/2003 – Sand Dunes Compressor Station
GW-144 expires 8/19/2003 – West Fall (North) Compressor Station
GW-145 expires 7/6/2003 – Zia Gas Plant

WQCC 20.6.2.3106.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 20.6.2.3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$100.00 plus a flat fee based upon the horsepower rating or type of facility for gas processing facilities. The \$100.00 filing fee for each facility is to be submitted with the discharge plan renewal application and is nonrefundable.

Ms. Karin Char
November 22, 2002
Page 2

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 OCD's website at www.emnrd.state.nm.us/oed/.

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 the Duke Energy Field Services has any questions, please do not hesitate to contact Mr. W. Jack Ford at (505) 476-3489.

Sincerely,



Roger C. Anderson
Oil Conservation Division

cc: OCD Artesia District Office
OCD Hobbs District Office

FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP

1301 MCKINNEY, SUITE 5100

HOUSTON, TEXAS 77010-3095

TELEPHONE: 713/651-5151
FACSIMILE: 713/651-5246

WRITER'S INTERNET ADDRESS:
elewis@fulbright.com

WRITER'S DIRECT DIAL NUMBER:
713/651-3760

HOUSTON
WASHINGTON, D.C.
AUSTIN
SAN ANTONIO
DALLAS
NEW YORK
LOS ANGELES
MINNEAPOLIS
LONDON
HONG KONG

January 15, 2001

Re: Notification of Name Change to Duke Energy Field Services, LP

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Dear Mr. Anderson:

In a February 16, 2000 letter addressed to you from Mel Driver of GPM Gas Company, LLC, Mr. Driver informed you that GPM Gas Company, LLC and Duke Energy Field Services, LLC were planning to undergo an internal corporate reorganization later in the year. As a result of this corporate reorganization, which has now taken place, facilities that were formerly operated under the name of GPM Gas Company, LLC are now being operated under the name of Duke Energy Field Services, LP. A chart that lists facilities with New Mexico Oil Conservation Division permits that are affected by this change is enclosed with this letter. Please update your records to reflect Duke Energy Field Services, LP as the permit holder for the facilities listed on the enclosed chart.

Thank you for your assistance, and please feel free to call me at (713) 651-3760 if you have any questions.

Very truly yours,



Edward C. Lewis

ECL/jnr

Mr. Roger Anderson
January 15, 2001
Page 2

cc: Ms. Nelda Morgan
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Ms. Vicki Gunter
Duke Energy Field Services, LP
P. O. Box 50020
Midland, Texas 79710

FACILITY NAME	PERMIT NUMBER	CURRENT NAME	NEAREST CITY
Artesia Plant	GW-168	GPM Gas Company, LLC	Artesia
Avalon Plant	GW-024	GPM Gas Company, LLC	Carlsbad
Eunice Plane	GW-009	GPM Gas Company, LLC	Eunice
Feagen	GW-168	GPM Gas Company, LLC	Artesia
Hat Mesa	GW-128	GPM Gas Company, LLC	Hobbs
Hobbs	GW-044	GPM Gas Company, LLC	Hobbs
Indian Hills	GW-042	GPM Gas Company, LLC	Carlsbad
Lee Plant	GW-002	GPM Gas Company, LLC	Lovington
Linam Ranch Plant	GW-015	GPM Gas Company, LLC	Hobbs
Maljamar	GW-177	GPM Gas Company, LLC	Lovington
Sand Dunes	GW-142	GPM Gas Company, LLC	Loving ✓
Won Ton	GW-178	GPM Gas Company, LLC	Lovington
Zia Plant	GW-145	GPM Gas Company, LLC	Maljamar



GPM GAS CORPORATION

3300 N "A" ST. BLDG 7
MIDLAND, TX 79705-5421

P.O. BOX 50020
MIDLAND, TX 79710-0020

March 21, 2000



Notification of Venting and Flaring
For Period of March 1 thru 15, 2000

Tim Gum, Supervisor and Oil & Gas Inspector
New Mexico Oil Conservation Division
811 S. First Street
Artesia, NM 88210

Dear Mr. Gum:

Rule 116(a), of the State of New Mexico Oil Conservation Division (OCD) Rules and Regulations requires GPM Gas Corporation (GPM) to notify the OCD of venting and flaring. In compliance with Rule 116(a), GPM hereby notifies the State of New Mexico OCD of the following attached account of the events.

If you have any questions or require additional information, please do not hesitate to contact me at (915) 620-4144. Thank you.

Sincerely,

Vicki F. Gunter
Regulatory Compliance Assist.
New Mexico Region

Date	Duration	County	Facility	MCF Amt	Reason	Corrective Measure
03/14/200 09:00 AM	6.0	Eddy	Square Lake Booster	66.00	Square Lake booster experienced an upset in operations due to the #1 engine surging and going down on overspeed shutdown.	To correct the upset, operations adjusted the governor and returned the unit to service.
03/14/200 08:00 AM	2.0	Eddy	Gas Dehydration Unit	263.00	Artesia plant experienced an upset in operations due to a high H2S reading on the Regen gas.	To correct the upset, operations resumed normal operations after the H2S had cleared from the gas stream.
03/14/200 06:30 AM	3.7	Eddy	Shugart Booster	55.00	Shugart booster experienced venting due to a purchased power failure at Parkway, which shut the unit down and caused the field to pressuring up.	To correct the upset, operations waited for the power to be restored at Parkway and restarted the compressors.
03/14/200 06:00 AM	4.2	Eddy	Parkway Booster	609.00	Parkway booster experienced an upset in operations due to a purchased power failure.	To correct the upset, operations waited for the power to be restored and restarted all compressors.
03/13/200 02:24 PM	0.5	Eddy	Sand Dunes Booster	105.00	Sand Dunes booster required to be shut down to remove the #4 engine, pull piping and cap.	To correct the operations of the booster, all compression was restarted after the # 4 engine was removed and the piping capped.
03/11/200 03:30 PM	2.5	Eddy	Jackson Booster	147.00	Grayburg Booster experienced an excess emission due to an operational upset involving the Jackson #1 compressor. The Jackson compressor went down with hot compressor valves causing high field pressure and flare at Grayburg.	To correct the upset, operations changed out the hot compressor valves on the Jackson #1 and returned the unit to service. This action pulled the field pressure back into normal pressure range, eliminating the flare conditions at Grayburg.
03/11/200 06:10 AM	3.6	Eddy	Gas Dehydration Unit	361.00	Artesia Plant experienced a high H2S reading in the Regen gas, switched beds.	Open up valve to sales after flare.
03/10/200 10:00 PM	2.0	Eddy	Fitz Booster	262.00	Fitz booster experienced an operational upset due to problems with the site control panel.	To correct, operations turned the power off to the site panel and reset, bringing it back up to normal operations.
03/08/200 11:00 AM	2.0	Eddy	Shugart Booster	76.00	Shugart booster experienced an upset in operations due to a purchase power interruption.	To correct the upset, operations waited for the power to be restored, then restarted the compressors.
03/08/200 10:00 AM	3.5	Eddy	Parkway Booster	304.00	Parkway booster experienced an upset in operations due to a purchase power interruption.	To correct the upset, operations waited for the power to be restored, then restarted the compressors.
03/08/200 05:00 AM	1.3	Eddy	Gas Dehydration Unit	128.00	Artesia Plant experienced an upset in operations due to a high H2S reading on the regen gas due to a bed switch.	To correct the upset, operations allowed the high H2S content gas to clear, then resumed normal operations.

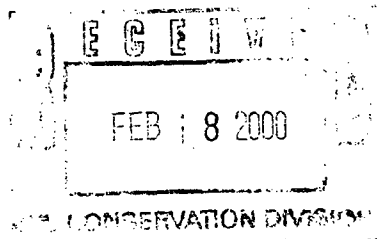


GPM GAS CORPORATION

3300 N "A" ST. BLDG 7
MIDLAND, TX 79705-5421

MAILING ADDRESS

P.O. BOX 50020
MIDLAND, TX 79710-0020



February 16, 2000

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Subject: Notification of Name Change to **GPM Gas Company, LLC**

Dear Mr. Anderson:

This letter is to notify you that on February 1, 2000, GPM Gas Corporation underwent a **name change**. The name of the company is now **GPM Gas Company, LLC**. This name change relates to a change in corporate status which occurred in anticipation of the expected merger between GPM and a unit of Duke Energy. GPM and Duke currently expect that, if all necessary regulatory approvals are obtained, the merger should be completed in April of this year.

Submitted with this letter is a listing of all environmental permits that are affected by this name change. Please take the actions necessary to reflect this name change on your records.

As a matter of general information, we wanted also to advise you of the possibility of a further name change in the coming months. In connection with the expected merger, it is possible that a further change in name or in corporate status could take place. We will advise you of any future changes that occur.

We appreciate your assistance in this matter.

GPM Gas Company, LLC

Mel P. Driver
Environmental Engineer
New Mexico Region

Attachment

Facility Name	Permit Number	Expiration Date	Issued by	Held by	Nearest City
Artesia Plant	GW-168	7/1/00	NMED OCD	GPM Gas Corporation	Artesia
Avalon Plant	GW-024	9/1/00	NMED OCD	GPM Gas Corporation	Carlsbad
Eunice Plant	GW-009	4/1/04	NMED OCD	GPM Gas Corporation	Eunice
Feagen	GW-168	12/1/99	NMED OCD	GPM Gas Corporation	Artesia
Hat Mesa	GW-128	11/1/02	NMED OCD	GPM Gas Corporation	Hobbs
Hobbs	GW-044	12/1/02	NMED OCD	GPM Gas Corporation	Hobbs
Indian Hills	GW-042	4/1/02	NMED OCD	GPM Gas Corporation	Carlsbad
Lee Plant	GW-002	3/1/01	NMED OCD	GPM Gas Corporation	Lovington
Linam Ranch Plant	GW-015	4/1/04	NMED OCD	GPM Gas Corporation	Hobbs
Maljamar	GW-177	3/1/00	NMED OCD	GPM Gas Corporation	Lovington
Sand Dunes	GW-142	5/1/03	NMED OCD	GPM Gas Corporation	Loving
Won Ton	GW-178	3/1/00	NMED OCD	GPM Gas Corporation	Lovington
Zia Plant	GW-145	7/1/03	NMED OCD	GPM Gas Corporation	Maljamar

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. dated 6/17/98,
or cash received on in the amount of \$ 345.00
from GPM
for Sand Dunes C.S. GW-142
Submitted by: Date:
Submitted to ASD by: RC Anderson Date: 8/10/98
Received in ASD by: Date:
Filing Fee New Facility Renewal X
Modification Other
Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment

THIS IS WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

WESTSTAR BANK
BARTLESVILLE
B000027604
PAY TO THE ORDER OF
NEW MEXICO ENVIRONMENTAL DEPT
WATER QUALITY MANAGEMENT
2040 S PACHECO
SANTA FE NM 87505

GPM GAS CORPORATION
BARTLESVILLE, OKLAHOMA 74004
06/17/98
EXACTLY *****\$345DOLLARS AND 00 CENTS
GPM GAS CORPORATION
51

86-82/1031
\$345.00

Ex B. Anderson

Treasurer

GPM GAS CORPORATION

PARTLESVILLE, OKLAHOMA 74004

DESCRIPTION

CHECK NO. [REDACTED]

New Mexico Region
March 24, 1993

Sand Pines

Payment to Oil Conservation Division for ~~WIPP~~ Booster discharge plan, filing fee.

Charge: 5PNB75-860

LEDGER	LOC.	EMPLOYEE NO.	CL.

THE ATTACHED CHECK IS IN FULL PAYMENT OF ITEMS STATED ABOVE. ENDORSEMENT MUST BE IDENTICAL WITH THE PAYEE DESIGNATED.

FORM 9004-34 3-92

DETACH BEFORE DEPOSITING AND RETAIN FOR YOUR FILES.



June 19, 1998

GPM GAS CORPORATION

4044 PENBROOK
ODESSA, TEXAS 79762

NEW MEXICO REGION

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

**RE: Sand Dunes Compressor Station
Discharge Plan GW-142 Renewal Fee**

RECEIVED

JUN 22 1998

Environmental Bureau
Oil Conservation Division

Dear Mr. Anderson:

GPM is submitting the required flat fee of \$345.00 along with a signed copy of the discharge plan approval conditions for the Sand Dunes Booster Station.

If you have any questions or need additional information, please call me at (915) 368-1142.

Sincerely,

Mel P. Driver, P.E.
Environmental Engineer
New Mexico Region

Environmental Bureau
Oil Conservation Division

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 4/1/98.

or cash received on _____ in the amount of \$ 100.00

from GPM

for Sand Dunes CS GW-142
Zia GP GW-145

Submitted by: _____ Date: _____

Submitted to ASD by: R. Chander Date: _____

Received in ASD by: _____ Date: _____

Filing Fee X New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

GPM GAS CORPORATION
NEW MEXICO REGION PETTY CASH
4044 PENBROOK 915-368-1168
ODESSA, TX 79762

Pay to the Order of NMED - Water Quality Management April 1 1998 \$ 100.00

One hundred & 00/100

Odessa Credit Union
4015 Penbrook - P. O. Box 12010 - Odessa, Texas - 79768-2010
(915) 367-8711 - 1-800-346-3416
GW-145 + GW-142

For distance plan renewal D. Perez

88-8685/3163

Dollars

Security features included. Details on back.

Affidavit of Publication

STATE OF NEW MEXICO)

) ss.

COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

XXXXXXXXXX and numbered XXXXX

XXXXXXXXXX

XXXXXXXXXXXXXXXXXX County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, XXXXX

XXXXXXXXXXXXXXXXXX same day of the week for one (1) day

XXXXXXXXXX consecutive weeks, beginning with the issue of

April 7, 1998

and ending with the issue of

April 7, 1998

And that the cost of publishing said notice is the sum of \$65.20

which sum has been (Paid) (Assessed) as Court Costs

Subscribed and sworn to before me this 16th

day of April, 1998

Notary Public, Lea County, New Mexico

My Commission Expires September 28, 1998

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

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

(GW-142) - GPM Gas Services Company, Mel D. Driver, (915) 368-1142, 4044 Penbrook Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Sand Dunes Booster Compressor Station located in the SE/4 SE/4 of Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. Approximately 2,000 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved Class II injection well for disposal well. round water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,500 mg/l. The discharge plan addresses

how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-145) - GPM Gas Services Company, Mel D. Driver, (915) 368-1142, 4044 Penbrook Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Zia Plant located in the NE/4 NE/4 of Section 19 Township 19 South, Range 32 East, NMPM, Lea County, New Mexico. Approximately 4,500 gallons per day of process waste water will be collected and stored in above ground steel tanks prior to disposal at an OCD approved off site commercial disposal facility. The total dissolved solids concentration of the waste water is approximately 2,000 mg/l. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 250 feet with a total dissolved solids concentration of approximately 2,400 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(s)

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 application(s), 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 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(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April, 1998.

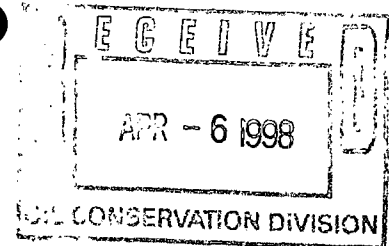
STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

SEAL
Published in the
Lovington Daily Leader
April 7, 1998.



GPM GAS CORPORATION

4044 PENBROOK
ODESSA, TX 79762



April 1, 1998

Mr. W. Jack Ford, G.P.G.
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

**RE: Discharge Plan Renewal Fees
Sand Dunes Booster GW-142
Zia Plant GW-145**

Dear Mr. Ford:

Please find enclosed the Filing Fees for Sand Dunes Booster (GW-142) and Zia Plant (GW-145) as promised.

If you have any questions concerning the previously submitted renewal request, please call me at (915) 368-1142.

Sincerely,

Mel P. Driver, P.E.
Environmental Engineer
New Mexico Region

GPM GAS CORPORATION
NEW MEXICO REGION PETTY CASH
4044 PENBROOK 915-368-1168
ODESSA, TX 79782

88-8685/3183

Pay to the
Order of

April 1 1998
NMED - Water Quality Management \$ 100⁰⁰

One hundred & 00/100

Dollars

Security features
included.
Details on back.



Odessa Credit Union
4015 Penbrook • P. O. Box 12018 • Odessa, Texas • 79768-2018
(918) 367-8911 • 1-800-346-3816

GW-145 + GW-142

GW-142 (1/2)

For

discharge plan renewal Mercedes D. Puez

The Santa Fe New Mexican

Since 1849. We Read You.

APR - 9 1998

NM OCD
ATTN: SALLY MARINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 19429

ACCOUNT: 56689

LEGAL NO: 63296

P.O. #: 98-199-00025

216 LINES TWICE at \$ 86.40

Affidavits: 5.25

Tax: 5.73

Total: \$ 97.38

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 application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505. Telephone (505) 827-7131.

(GW-142) - GPM Gas Service, Mel D. Driver, (915) 368-1142, 4044 Pembroke Street, Odessa, Texas 77702, has submitted a discharge renewal application for the Sand Dunes Booster Compressor Station located in the SE/4 SE/4 of Section 22, Township 22 South, Range 31 East, NAAPAA, Eddy County, New Mexico. Approximately 2,000 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved Class II Injection Well for disposal well. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-145) - GPM Gas Service Company, Mel D. Driver, (915) 368-1142, 4044 Pembroke Street, Odessa, Texas 77702, has submitted a discharge renewal application for the Zia Plant located in the NE/4 NE/4 of Section 19, Township 19 South, Range 32 East, NAAPAA, Lea County, New Mexico. Approximately 4,000 gallons per day of process waste water will be collected and stored in above ground steel tanks prior to disposal at an OCD approved offsite commercial disposal facility. The total dissolved solids concentration of the waste water is approximately 2,000 mg/L. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) 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 application(s), 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 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(s) based on information available. If a public hearing is held, the Director will approve the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April, 1998.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTEBERY
Director

Legal 10320
Pub. April 8, 1998

AFFIDAVIT OF PUBLICATION

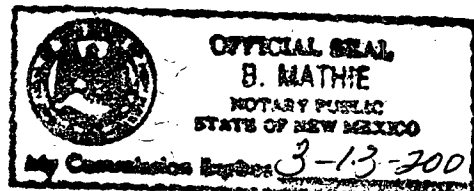
STATE OF NEW MEXICO
COUNTY OF SANTA FE

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 # 63296 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 8 day of APRIL 1998 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

Betsy Perner
/S/ LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 8 day of APRIL A.D., 1998

Notary B. Mathie
Commission Expires 3-13-2001



• P.O. Box 2018 • Santa Fe, New Mexico 87501

505-983-3303



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 2, 1998

Lovington Daily Leader
Attention: Advertising Manager
Post Office Box 1717
Lovington, New Mexico 88260

Re: Notice of Publication

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit in duplicate.
2. Statement of cost (also in duplicate).
3. Certified invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than April 9, 1998.

Sincerely,


Sally Martinez
Administrative Secretary

Attachment

P 269 262 716

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

Sent to	
Street & Number Artesia Daily Press	
Post Office, State, & ZIP Code P.O. Drawer 179 Artesia, NM 86210	
Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 269 262 717

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

Sent to	
Street & Number Lexington Daily Leader P.O. Box 1717	
Post Office, State, & ZIP Code Lexington, NM 88260	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 2, 1998

*Artesia Daily Press
Attention: Advertising Manager
Post Office Box 190
Artesia, New Mexico 88211*

Re: Notice of Publication

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

- 1. Publisher's affidavit in duplicate.*
- 2. Statement of cost (also in duplicate).*
- 3. Certified invoices for prompt payment.*

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than April 9, 1998.

Sincerely,

Sally Martinez
Sally Martinez
Administrative Secretary

Attachment



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 2, 1998

The New Mexican
Attention: Betsy Perner
202 East Marcy
Santa Fe, New Mexico 87501

Re: Notice of Publication
PO # 98-199-00257

Dear Ms. Perner:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

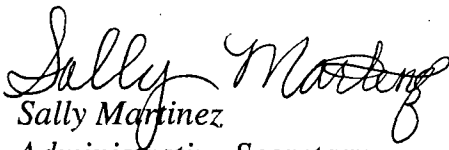
Immediately upon completion of publication, please send the following to this office:

- 1. Publisher's affidavit.**
- 2. Invoices for prompt payment.**

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than Wednesday, April 8, 1998.

Sincerely,


Sally Martinez
Administrative Secretary

Attachment

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 application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-142) - GPM Gas Services Company, Mel D. Driver, (915) 368-1142, 4044 Penbrook Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Sand Dunes Booster Compressor Station located in the SE/4 SE/4 of Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. Approximately 2,000 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved Class II injection well for disposal well. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-145) - GPM Gas Services Company, Mel D. Driver, (915) 368-1142, 4044 Penbrook Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Zia Plant located in the NE/4 NE/4 of Section 19 Township 19 South, Range 32 East, NMPM, Lea County, New Mexico. Approximately 4,500 gallons per day of process waste water will be collected and stored in above ground steel tanks prior to disposal at an OCD approved offsite commercial disposal facility. The total dissolved solids concentration of the waste water is approximately 2,000 mg/l. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 250 feet with a total dissolved solids concentration of approximately 2,400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

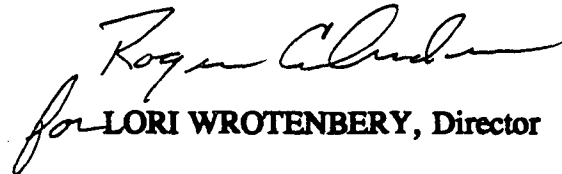
Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), 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 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(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL


for LORI WROTENBERY, Director

The Santa Fe New Mexican

Since 1849. We Read You.

APR - 9 1998

NM OCD
ATTN: SALLY MARTINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 19429

ACCOUNT: 56689

LEGAL NO: 63296

P.O. #: 98-199-000257

216 LINES TWICE at \$ 86.40

Affidavits: 5.25

Tax: 5.73

Total: \$ 97.38

NOTICE OF PUBLICATION

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

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(GWA-142) - GPM Gas Service Co., Mel D. Driver, (915) 368-1142, 4044 Pembroke Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Sand Dunes Booster Compressor Station located in the SE/4 SE/4 of Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. Approximately 2,000 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved Class II Injection Well for disposal well. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GWA-143) - GPM Gas Service Co., Mel D. Driver, (915) 368-1142, 4044 Pembroke Street, Odessa, Texas 79762, has submitted a discharge renewal application for the Zia Plant located in the NE/4 NE/4 of Section 19, Township 19 South, Range 32 East, NMPM, Lea County, New Mexico. Approximately 4,000 gallons per day of process waste water will be collected and stored in above ground steel tanks prior to disposal at an OCD approved offsite commercial disposal facility. The discharge plan con-

centration of the waste water is approximately 3,000 mg/l. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3,400 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(s) based on information available. If a public hearing is held, the Director will approve the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April, 1998.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WOTENBERRY
Director

Legal #63296
Pub. April 9, 1998

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

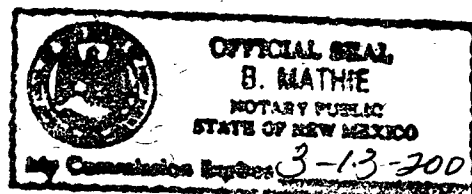
I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 63296 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 8 day of APRIL 1998 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/

LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
8 day of APRIL A.D., 1998

Notary B. Mathe
Commission Expires 3-13-2001



• P.O. Box 2018 • Santa Fe, New Mexico 87501

505-983-3303

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 application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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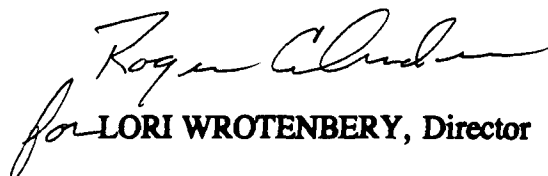
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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


for LORI WROTENBERY, Director

SEAL

March 23, 1998

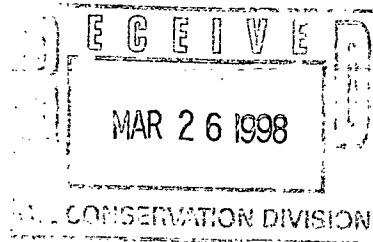


GPM GAS CORPORATION

4044 PENBROOK
ODESSA, TX 79762

Sand Dunes Booster Station
Discharge Plan GW-142
Discharge Plan Renewal

Mr. Roger Anderson
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division, Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505



Dear Mr. Anderson:

Pursuant to Title 20 New Mexico Administrative Code (NMAC) 6.2, Subpart III, Section 3106, Application for Discharge Plan Approvals and Renewals, GPM Gas Services Company (GPM) is herewith submitting the required filing fee of fifty (\$50) dollars for its discharge plan renewal.

GPM has operated the Sand Dunes Booster station in accordance with the terms and conditions of Groundwater Discharge Plan GW-142. GPM has made no major changes to Sand Dunes Booster Station since the original discharge plan went into effect and would like to renew the discharge plan under the present terms of the existing permit.

Please do not hesitate to contact me at (915) 368-1142 should you have any questions or require additional information.

Sincerely,

Mel P. Driver, P.E.
Environmental Engineer
New Mexico Region

July 28, 1995

Facility File



GPM GAS SERVICES COMPANY
A DIVISION OF PHILLIPS PETROLEUM COMPANY

4044 PENBROOK
ODESSA, TX 79762

Sand Dunes Booster
Notification of Spill

Tim Gum, Supervisor and Oil & Gas Inspector
State of New Mexico Oil Conservation Commission
811 S. First Street
P. O. Box DD
Artesia, New Mexico 88210

Dear Mr. Gum:

Rule 116, Provision 3. of the State of New Mexico Oil Conservation Division (OCD) Rules and Regulations requires GPM to notify the OCD of a "Minor" spill of five barrels or more but less than 25 barrels of crude oil within ten days of the incident, as defined under Subsequent Notification. In compliance with Rule 116, Provision 3, GPM hereby notifies the State of New Mexico OCD of a "Minor" spill at GPM Sand Dunes Booster Station at approximately 11:00 p.m. on July 18, 1995. The spill consisted of eight barrels of slop oil. A detailed report is attached.

If you have any questions or require additional information, please do not hesitate to contact me at (915) 368-1142. Thank you.

Sincerely,

Scott Seeby
Environmental Engineer
New Mexico Region

SJS/act

ENCLOSURE

RECEIVED

AUG 03 1995

OIL CON. DIV.
DIST. 2

NAME OF OPERATOR GPM Gas Corporation						ADDRESS 4044 Penbrook Odessa, Texas 79762					
REPORT OF:		FIRE	BREAK	SPILL <input checked="" type="checkbox"/>	LEAK	BLOWOUT		OTHER*			
TYPE OF FACILITY:		DRLG WELL	PROD WELL	TANK BTTY	PIPELINE	GASO PLNT	OIL RFY	OTHER* Gas Booster			
NAME OF FACILITY GPM Gas Corporation Sand Dunes Booster											
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)						SEC 23	TWP 23	RGE 31	COUNTY Eddy		
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 35 miles west of Jal, New Mexico											
DATE AND HOUR OF OCCURENCE July 18, 1995 / 11:00 p.m.						DATE AND HOUR OF DISCOVERY July 18, 1995 / 11:00 p.m.					
WAS IMMEDIATE NOTICE GIVEN?		YES	NO	NOT REQ'D <input checked="" type="checkbox"/>	IF YES, TO WHOM?						
BY WHOM?						DATE AND HOUR					
TYPE OF FLUID LOST Slop Oil						QUANTITY OF LOSS 8 BBLS (EST)			VOLUME RECOVERED 7 BBLS		
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO <input checked="" type="checkbox"/>	QUANTITY							
IF YES, DESCRIBE FULLY:**											
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN:**											
Liquid Slug came into Booster and overfilled slop oil tank. Spill was contained in containment.											
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN:**											
Used vacuum truck to pick up oil.											
DESCRIPTION OF AREA											
FARMING		GRAZING <input checked="" type="checkbox"/>		URBAN		OTHER*					
SURFACE CONDITIONS		SANDY <input checked="" type="checkbox"/>	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW			
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**											
80F, Dry, Night											
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF											
SIGNED		<i>Ronda Ashing</i>				TITLE Agency Compliance Assistant				DATE 07-28-95	
*SPECIFY		**ATTACH ADDITIONAL SHEETS IF NECESSARY									

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 5/18/93,
or cash received on 5/21/93 in the amount of \$ 690⁰⁰
from GPM Gas Corporation
for Sands Dune Compressor Station GW-142
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: Kathym Brown Date: 5/21/93

Received in ASD by: A. Olive Date: 5/21/93

Filing Fee _____ New Facility X Renewal _____

Modification _____ Other _____
(specify)

Organization Code 521-07 Applicable FY 93

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment _____

FIELD CHECK



GPM GAS CORPORATION

BARTLESVILLE, OKLAHOMA 74004

86-82
1031

GROUP/STAFF	LOCATION	DATE	CHECK NO.	AMOUNT
NMR (JR1786)	Odessa, Texas	May 18, 1993	[REDACTED]	\$690.00

Six Hundred Ninety and no/100 _____ DOLLARS

PAY TO ORDER OF NMED - Water Quality Management
P.O. Box 2088; State Land Office Bldg.
Santa fe, NM 87504

VOID IF IN EXCESS OF \$1,000.00
GPM GAS CORPORATION D-51

[Signature]
553 AGENT

WESTSTAR BANK, n.a. BARTLESVILLE, OKLAHOMA
BARTLESVILLE, OK 74003

May 17, 1993



GPM GAS SERVICES COMPANY
A DIVISION OF PHILLIPS PETROLEUM COMPANY

4044 PENBROOK
ODESSA, TX 79762

Discharge Plan GW-142
Sand Dunes Booster

William J. LeMay, Director
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

Dear Mr. LeMay:

Pursuant to New Mexico Water Quality Control Commission (WQCC) Regulation 3-114, discharge plan fees, and as directed by your letter of May 14, 1993, GPM Gas Corporation submits to the Oil Conservation Division the flat rate fee for the Sand Dunes Compressor Station discharge plan (GW-142). The OCD has previously received the \$50 application filing fee.

Please find enclosed a check payable to **NMED-Water Quality Management** in the amount of \$690.00 (compressor station between 1000 and 3000 hp.)

Please contact me at (915)-368-1085 should you have any questions regarding this issue. Thank you.

Sincerely,

Vincent B. Bernard
Safety & Environmental Supervisor
New Mexico Region

/sm

cc: Jerry Sexton, OCD Hobbs Office



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

June 8, 1993

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

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-211

Mr. Vincent Bernard
Safety & Environmental Supervisor
GPM Gas Corporation
4044 Penbrook
Odessa, Texas 79762

**Re: Discharge Plan GW-142
Sand Dunes Booster Station
Eddy County, New Mexico**

Dear Mr. Bernard:

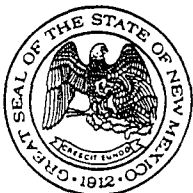
The groundwater discharge plan GW-142 for the GPM Sand Dunes Booster Station located in the SE/4 SE/4 Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico was approved May 17, 1993. Pursuant to the phone conversation we had June 8, 1993, you brought to my attention the fact that the approval letter was dated May 17, 1992 and that the letter further stated the expiration date of the discharge plan would be May 17, 1997. I stand corrected. The letter should have been dated May 17, 1993 and **the expiration date will be May 17, 1998.**

I apologize for any inconvenience this may have caused. This matter has been corrected in the existing file for the above referenced facility.

If you have any questions concerning this matter, don't hesitate to call me at (505) 827-5824.

Sincerely,

Chris E. Eustice
Environmental Geologist



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

May 14, 1992

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

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-202

Mr. Vincent Bernard
Safety & Environmental Supervisor
GPM Gas Corporation
4044 Penbrook
Odessa, Texas 79762

**Re: Discharge Plan GW-142
Sand Dunes Booster Station
Eddy County, New Mexico**

Dear Mr. Bernard:

The groundwater discharge plan GW-142 for the GPM Sand Dunes Booster Station located in the SE/4 SE/4 Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated March 24, 1993.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations and is approved pursuant to Section 3-109.A.. Please note Section 3- 109.F. provides for possible future amendments or modifications of the plan. Please note that Section 3-104 of the regulations require 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 modifications 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 May 14, 1997 and you should submit an application for renewal in ample time before that date.

May 14, 1998 [signature] (7/9/97) - See letter dated 6/8/93 from OED.

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.

Mr. Vincent Bernard
May 14, 1993
Page 2

Please note that approval of this plan does not relieve you of liability should your operation result in pollution of surface water, ground water, or the environment which may be actionable under other laws and/or regulations.

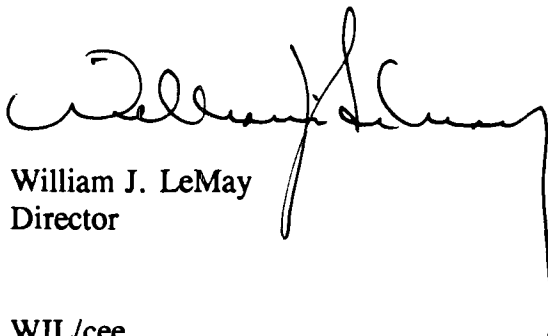
The discharge plan application for the GPM Sand Dunes Booster Station is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus a flat rate fee of six-hundred ninety (690) dollars for a compressor station of between 1000 and 3000 hp.

The OCD has received your \$50 application fee. The flat rate fee may be paid in a single payment due at the time of approval, or in equal installments over the duration of the plan, with the first payment due upon receipt of this letter.

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

On behalf of the staff of the 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/cee

xc: Mike Williams, OCD Artesia District

ATTACHMENT TO THE DISCHARGE PLAN GW-142 APPROVAL
GPM GAS CORPORATION SAND DUNES BOOSTER STATION
DISCHARGE PLAN REQUIREMENTS
(May 14, 1993)

1. Payment of discharge plan fees: The \$690.00 flat fee or first installment will be paid upon receipt of this approval.
2. Drum Storage: All drums will be stored on pad and curb type containment.
3. Sump Inspection: All pre-existing sumps at this facility will be cleaned and visually inspected on an annual basis. Any new sumps or below-grade tanks will be approved by the OCD prior to installation and will incorporate leak detection in their designs.
4. Berms: All tanks that contain materials other than freshwater will be bermed to contain one and one-third (1-1/3) the capacity of the largest tank within the berm or one and one-third (1-1/3) the total capacity of all interconnected tanks.
5. Pressure testing: All discharge plan facilities are required to pressure test all underground piping at the time of discharge plan renewal. All new underground piping shall be designed and installed to allow for isolation and pressure testing at 3 psi above normal operating pressure.
6. OCD Inspection: Additional requirements may be placed on the facility based upon results from OCD discharge plan inspections.

Affidavit of Publication

**THE GALLUP
INDEPENDENT**

600 North 9th, P.O. Box 1210
Gallup, New Mexico 87305
Phone (505) 863-6811

STATE OF NEW MEXICO

) SS

COUNTY OF MCKINLEY

Hubbard, Freida being duly sworn upon oath, deposes and says:

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

for one time, the first publication being on the 10th day of April, 19 93 the second publication being on the _____ day of _____, 19 _____ the third publication on the _____ day of _____, 19 _____

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

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

Freida Hubbard
Affiant.

Sworn and subscribed to before me this 10th day of May, A.D., 19 93

Linda Kay Salano
Notary Public

My commission expires
August 29, 1993

LEGAL NUMBER 9361

LINES 117 TIMES 1
START DATE 4-10-93

PAY THIS ==> \$33.54

CLASS 65 1

NOT. OF PUBLICATION

KEEP THIS PORTION FOR YOUR RECORDS

LEGAL NOTICE Santa Fe County New Mexico

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 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-80) - Transwestern Pipeline Co., Larry Campbell, Compliance Environmentalist, P.O. Box 1717, Roswell, New Mexico 88202-1717, has submitted an application for modification of its previously approved discharge plan for its Thoreau Compressor Station located in SE/4, Section 20, Township 14 North, Range 13 West, NMPM, McKinley County, New Mexico. The modification consists of the addition of a soils landfarm for remediation of oil contaminated soils. The landfarm will be underlain by impermeable plastic and bermed to prevent runoff of contaminants. Groundwater most likely to be affected by any accidental spills is at a depth of approximately 50 feet with a total dissolved solids concentration of 750 mg/l. The modification addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-142) - GPM Gas Services Co., Scott Seesby, Environmental Analyst, 4044 Penbrook, Odessa, Texas, 79762, has submitted a discharge application for their Sand Dunes Compressor Station located in the SE/4 SE/4 Section 23, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. Approximately 2000 gallons per day of Waste Water is stored in above ground steel tanks prior to transport to an OCD approved Class II injection well for disposal. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 3500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-143) - Llano Inc., J.R. Delaney, Operations Manager, 921 W. Sanger, Hobbs, New Mexico, 88240, has submitted a discharge plan application for their Cal-Mon Compressor station located in the SE/4 NW/4 Section 35, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. Approximately 273 gallons per day of waste water is stored in an above ground steel tank prior to transport to an OCD approved Class II injection well for disposal. Groundwater most likely to be affected in the event of an accidental discharge is at a depth approximately 200 feet with a total dissolved solids concentration of approximately 3500 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 5:00 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 an 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 Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April, 1993.

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

Legal #9361 Published in The Independent Saturday, April 10, 1993.



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

May 6, 1993

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

ANITA LOCKWOOD
CABINET SECRETARY

CERTIFIED MAIL

RETURN RECEIPT NO. P-111-334-198

Mr. Vincent Bernard
Safety & Environmental Supervisor
GPM Gas Corporation
4044 Penbrook
Odessa, Texas 79762

**Re: Discharge Plan GW-142
Sand Dunes Booster Station
Eddy County, New Mexico**

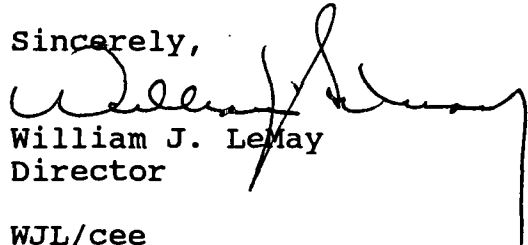
Dear Mr. Bernard:

The Oil Conservation Division (OCD) has received your request dated April 21, 1993 for a 120 day extension to start-up operations and discharge without an approved discharge plan in place. The OCD has also received your discharge plan application dated March 23, 1993, and is in the process of reviewing the application.

Pursuant to Section 3-106.B. of the New Mexico Water Quality Control Commission (WQCC) regulations and for good cause shown, GPM Gas Corporation is hereby granted an extension to start-up and operate the above referenced facility without an approved discharge plan for 120 days from start-up of operations. This extension is granted to allow the OCD time to conduct a facility inspection and for GPM Gas Corporation to incorporate any requirements into their discharge plan application.

Please notify the OCD in writing when the facility commences operations. If you have any questions, please feel free to contact Chris Eustice at (505) 827-5824.

Sincerely,


William J. Lemay
Director

WJL/cee
xc:OCD - Artesia Office



GPM GAS SERVICES COMPANY
A DIVISION OF PHILLIPS PETROLEUM COMPANY

4044 PENBROOK
ODESSA, TX 79762

April 21, 1993

Roger
OIL CONSERVATION DIVISION
RECEIVED

'93 APR 28 AM 8 50

Discharge Plan Application
Sand Dunes Booster

Mr. William J. LeMay,
Director, State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504-2088

Dear Mr. LeMay:

Pursuant to Section 3-106 (B), New Mexico Water Quality Control Commission Regulations, GPM Gas Corporation requests authority to discharge without an approved discharge plan at our Sand Dunes Booster Station. This request is being made for testing purposes and pursuant to the above referenced regulation, is not to exceed 120 days. Sand Dunes Booster is located approximately 21 miles east of Loving, New Mexico in Eddy County.

I appreciate your time in addressing this request. Please call me at (915) 368-1085 should you have any questions.

Sincerely,

Vincent B. Bernard
Safety & Environmental Supervisor
New Mexico Region

VBB/sm

STATE OF NEW MEXICO
County of Bernalillo

SOIL CONSERVATION DIVISION
RECEIVED

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS & 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 applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, PO Box 2088, Santa Fe, New Mexico 87504-2088, telephone (505) 827-5800:

(GW-80) Transwestern Pipeline Co., Larry Campbell, Compliance Environmentalist, PO Box 1717, Roswell, New Mexico 88202-1717, has submitted an application for modification of its previously approved discharge plan for its Thoreau Compressor Station located in SE/4, Section 20, Township 14 North, Range 13 West, NMMP, McKinley County, New Mexico. The modification consists of the addition of a soils landfarm for remediation of oil contaminated soils. The landfarm will be underlain by impermeable plastic and bermed to prevent runoff of contaminants. Groundwater most likely to be affected by any accidental spills is at a depth of approximately 50 feet with a total dissolved solids concentration of 750 mg/l. The modification addresses how spills, leaks and other accidental discharges to the surface will be managed.

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If no hearing is held, the Director

Dianne Berglund being duly sworn declares and says that she is National Advertising Sales Supervisor of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, 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 14 day of April, 1993, and the subsequent consecutive publications on , 1993

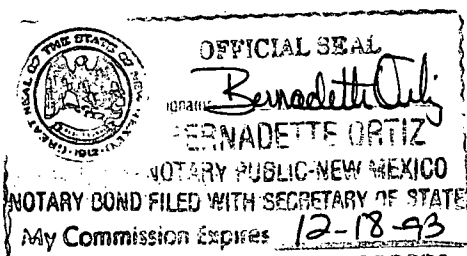
Dianne Berglund

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 14 day of April, 1993.

PRICE

\$36.57

Statement to come at end of month.



CLA-22-A (R-1/93) ACCOUNT NUMBER

C81184

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 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:

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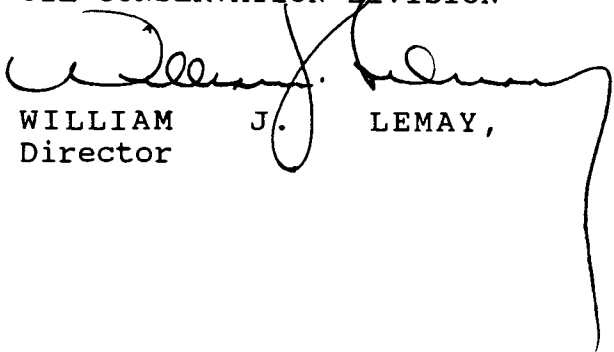
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If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 2nd day of April, 1993.

SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY,
Director



GPM GAS SERVICES COMPANY
A DIVISION OF PHILLIPS PETROLEUM COMPANY

4044 PENBROOK
ODESSA, TX 79762

OIL CONSERVATION DIVISION
RECEIVED

'93 APR 2 AM 8 49

March 30, 1993

Discharge Plan Application
Booster Name Change

William J. LeMay, Director
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

Dear Mr. LeMay:

On March 23, 1993 GPM Gas Corporation submitted to your office a discharge plan application for "WIPP" Booster Station.

As follow-up to a conversation I had with Roger Anderson of your office on March 29, 1993, please be advised that we are changing the name of this future compressor station to "Sand Dunes Booster". Please have the necessary changes made in the above referenced discharge plan application.

My apologies for any inconvenience this may cause you or your staff. Please contact me at (915) 368-1085 should you have any questions regarding the Sand Dunes Booster Station discharge plan application. Your time and energy in expediting this name change is appreciated.

Sincerely,

Vincent B. Bernard
Safety & Environmental Supervisor
New Mexico Region

cc: Jerry Sexton - OCD Hobbs Office

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 3/24/93,
or cash received on 3/26/93 in the amount of \$ 50.00
from GPM Gas Corporation
for WIPP Compressor Station GW-142
Submitted by: [Signature] (Facility Name) Date: _____ (DP No.)
Submitted to ASD by: Kathy Brown Date: 3/26/93
Received in ASD by: Annie M. Alire Date: 3/26/93

Filing Fee X New Facility _____ Renewal _____
Modification _____ Other _____
(specify)

Organization Code 521.07 Applicable FY 93

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

FIELD CHECK



GPM GAS CORPORATION

BARTLESVILLE, OKLAHOMA 74004

86-82
1031

GROUP/STAFF	LOCATION	DATE	CHECK NO.	AMOUNT
NMR (JR1786)	Odessa, Texas	3-24-93	[REDACTED]	\$50.00
Fifty and no/100				DOLLARS

PAY TO ORDER OF Water Quality Management Fund
P.O. Box 2088; State Land Ofc. Bldg.
Santa Fe, NM 87504

VOID IF IN EXCESS OF \$1,000.00
GPM GAS CORPORATION D-51

[Signature]
AGENT
A58

WESTSTAR BANK, n.a. BARTLESVILLE, OKLAHOMA
BARTLESVILLE, OK 74003



GPM GAS SERVICES COMPANY
A DIVISION OF PHILLIPS PETROLEUM COMPANY

4044 PENBROOK
ODESSA, TX 79762

March 23, 1993

Discharge Plan Application
WIPP Booster

William J. Le May, Director
State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

RECEIVED

MAR 26 1993

OIL CONSERVATION DIV.
SANTA FE

Dear Mr. Le May:

SAND DUALES

Pursuant to Section 3-106.B of the New Mexico Water Quality Control Commission (WQCC) Regulations, GPM Gas Corporation submits to the Oil Conservation Division a Discharge Plan Application for ~~WIPP~~ Booster Station. WIPP Booster Station will be a new facility consisting of two reciprocating engines driving natural gas compressors in Eddy County, New Mexico.

Pursuant to WQCC 3-114, Filing and Permit Fees, please find enclosed a check in the amount of \$50.00 as payment for GPM's WIPP Booster Discharge Plan filing fee.

Please contact me at (915) 368-1142 if there are any questions regarding the enclosed Discharge Plan Application. Your time and energy in expediting approval of the Discharge Plan is appreciated.

Sincerely,

Scott Seebey
Scott Seebey
Environmental Analyst
New Mexico Region

**GPM Gas Corporation
OCD Ground Water Discharge Plan
~~Wipp~~ Booster**

I. Name, Address, and Telephone of Discharger:

Name: GPM Gas Corporation

Address: 4044 Penbrook
Odessa, TX 79762

Telephone: (915) 368-1085

II. Name, Address, and Telephone of Local Contact:

Name: J. D. Green

Address: P. O. Box 66
Oil Center, NM 88266

Telephone: (505) 397-5591

III. Location of Discharge:

Legal Description: Unit P, Section 23, T-23-S, R-31-E,
Eddy County, New Mexico

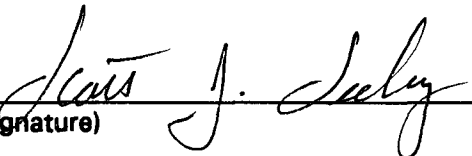
Site Plan: Attachment I
Topographic Map: Attachment VI

IV. Type of Natural Gas Operation:

Operation: Gas Compression

Description: Gas from a low pressure gas gathering system is compressed from approximately 5 psig to 750 psig by reciprocating gas compressors. The 750 psig gas is then discharged to a high pressure gas pipeline.

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)

Scott J. Seeby
(Printed Name of Signatory)

March 24, 1993
(Date)

Environmental Analyst
(Title)

II. Plant Processes

Liquids Produced or Used on Site

- ° Produced water and crude oil - 2300 gpd.

Typical analysis: H₂O -- 50%

CO₂ -- .2%

C₁ -- .3%

C₂ -- .5%

C₃ -- 3%

C₄ -- 9%

C₅ -- 7%

C₆ + -- 30%

- ° Lube oil - 6 gpd average make-up.

HDG 30-40 or Super HD II 20-40

- ° Methanol - 11 gpd.

- ° Corrosion inhibitor - .60 gpd.

Tretolite KG 0049

- ° Coolant - 2 gpd average make-up.

Ethylene Glycol -- 50%

Water -- 50%

All volumes are estimated, based on a two 660 Hp engine booster site.

Appendix A contains the material safety data sheets for the substances listed above.

Cooling System - An ethylene glycol based anti-freeze cooling system is used to cool the engines and compressors at the site. All of the units have individual self-contained cooling systems. When a machine is serviced, its anti-freeze charge is drained into the glycol storage tank located near the slop oil tank. After the work is completed the anti-freeze is returned to the unit. This storage tank is also used to provide a glycol make-up stream to the machines. This system is shown in Attachments III & IV.

Methanol and Corrosion Inhibitor System - Methanol and a corrosion inhibitor are injected, from the storage tanks, into the discharge line of the Booster using a diaphragm pump. This system is shown in Attachment III & IV.

III. Effluent Disposal

Open Drain System - The open drain system is an atmospheric drain system constructed of buried, externally coated, schedule 40 steel pipe. This drain empties into an environmental sump tank located in a cellar, adjacent to the first compressor skid. Used lube oil is drained from the engines into the sump tank through the open drain system. This system is shown in Attachments II & III. Although Attachment III shows only one compressor it is representative of the flow to all other units on site.

Environmental Sump Tank - All engines are tied into an environmental sump tank through an open drain system. Liquids from the flare line and the first stage compressor scrubber are also drained into the sump tank.

Sump tank liquid is pumped to the Booster's slop oil storage tank. This system is shown in Attachments II & IV. Slop oil storage tank liquid is periodically hauled by truck to GPM's Hobbs reclamation treater. The treater is located in section 4, T-19-S, R-38-E, Lea County New Mexico. The approximate street address of the Hobbs treater is 1625 West Marland, Hobbs, New Mexico 88240.

Storage Tanks - The 210 barrel slop oil tank is contained within a berm. The 50 barrel methanol, 1000 gallon Lube oil, 20 barrel glycol storage tanks, and the 55 gallon corrosion inhibitor drum are located in a separate, but adjacent, enclosure. Attachment V is a diagram showing the position and containment of these tanks.

IV. Spill/Leak Prevention and Housekeeping Procedure

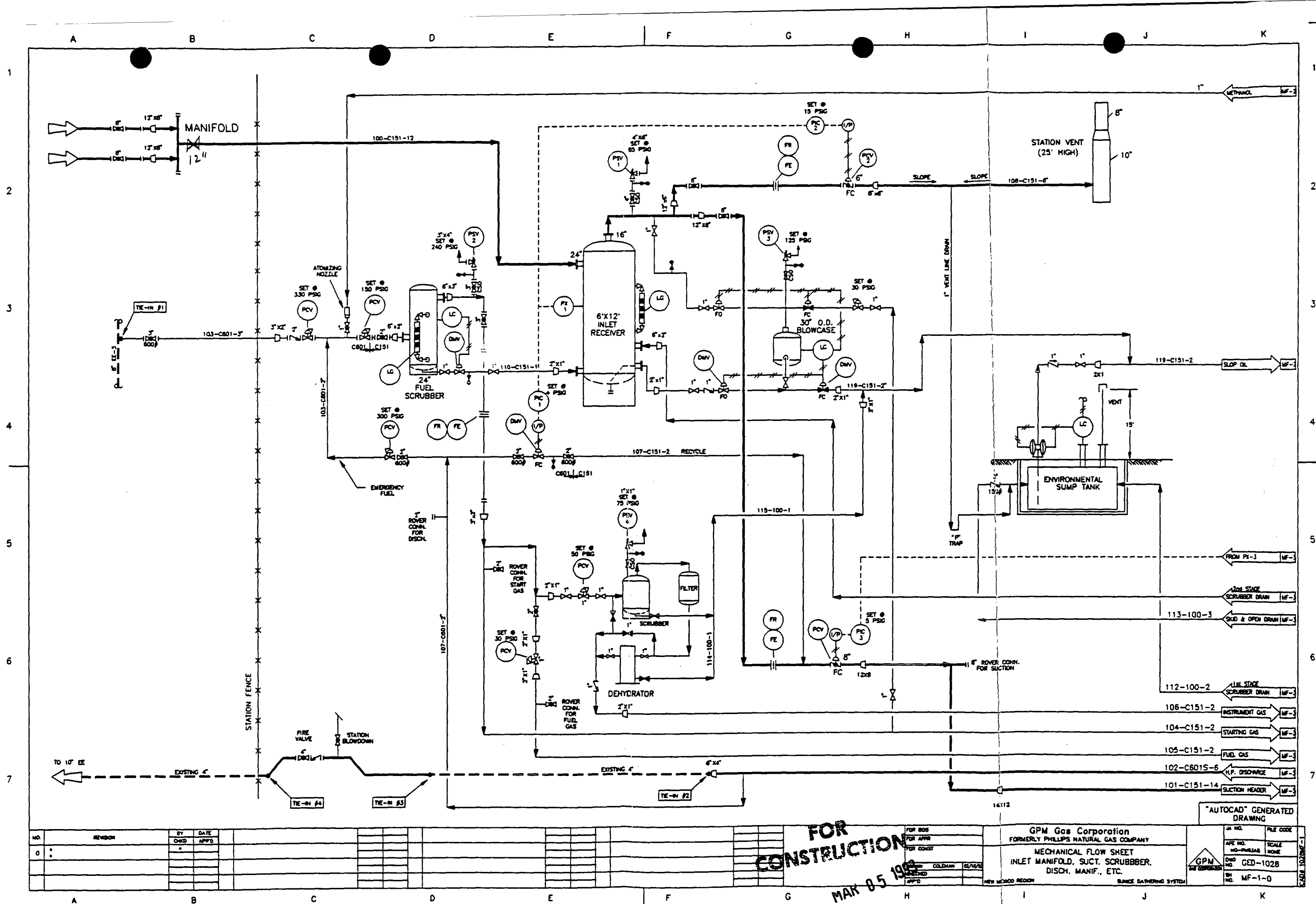
The Booster's underground vessels and piping are visually inspected and/or pressure tested prior to being put into service. The vessels and lines are externally and/or internally coated to ensure against corrosion. This equipment is checked periodically by operators. Any leaks would be detected by the operators and corrected. Operators are required to notify the Gathering System Supervisor of any leak. If the leak is significant, the Gathering System Supervisor will notify the Oil Conservation Division in accordance with Rule 116.

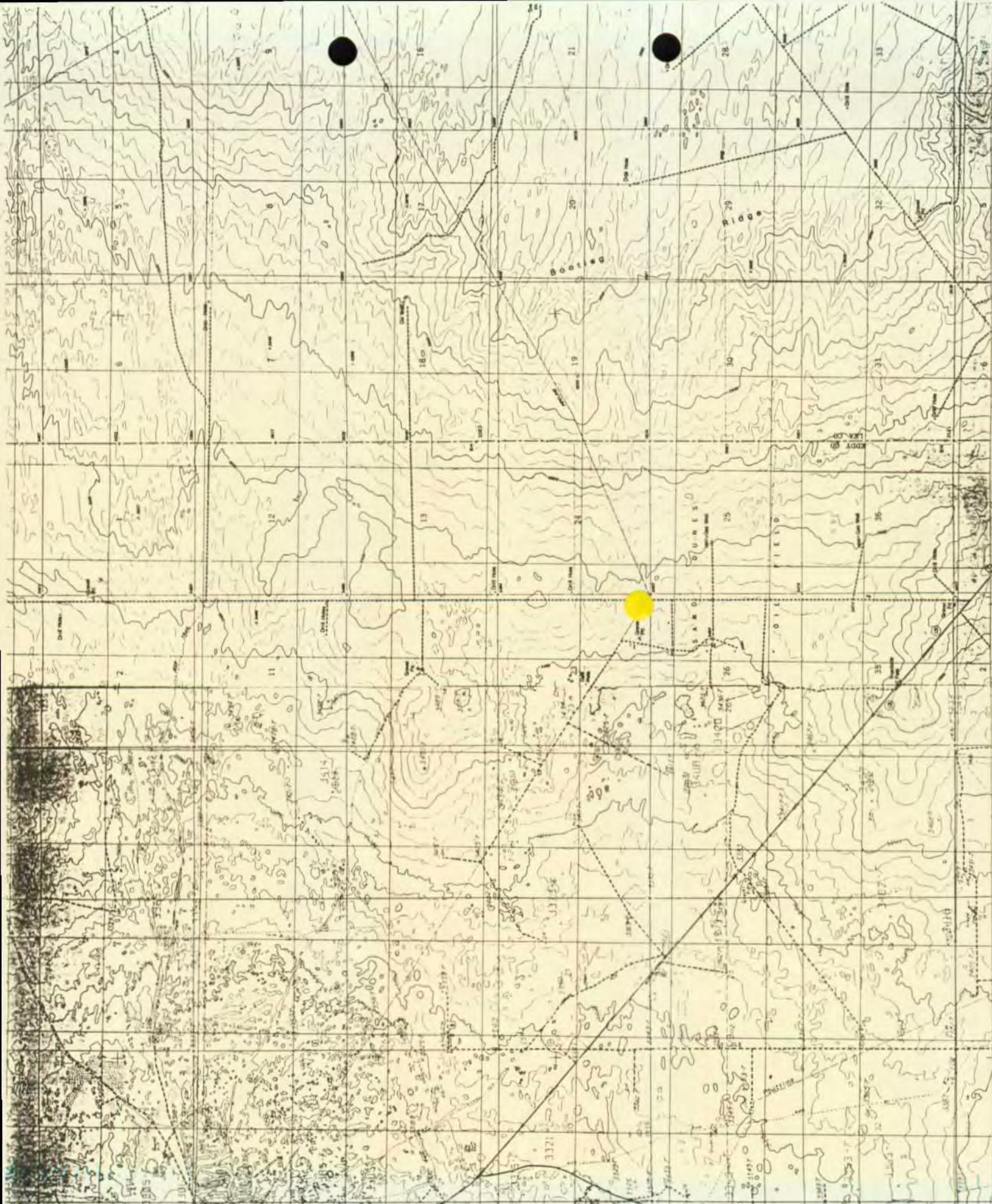
V. Site Characteristics

Topography - Attachment VI is a topographical map of the area surrounding Wipp Booster. As it can be seen from this map, there are no bodies of water within a one mile radius of the site.

Flooding Potential - None.







PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1977
FIELD CHECKED 1978 MAP EDITED 1985
PROJECTION TRANSVERSE MERCATOR
GRID UTM
8400-FOOT STATE GRID TICS NEW MEXICO, EAST ZONE
UTM GRID DECLINATION 0° 30' EAST
1983 MAGNETIC NORTH DECLINATION 9° 30' EAST
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929

Appendix A

Date October, 1985

MATERIAL SAFETY DATA SHEET

Page 1 of 6

Product Name:

HDG MOTOR OILS (All Grades)

PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma 74004

Emergency Phone Nos.

918-661-3865 (during business)

918-661-8118 (after hours)



USA AND CANADA



WORLDWIDE

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: Petroleum Oil SAE Grades 30, 40 and 50

Chemical Name: Mixture

Chemical Family: Hydrocarbon

Chemical Formula: Mixture

CAS Reg. No: Mixture

Product No: NE

Product and/or Components Entered on EPA's TSCA Inventory: Yes ☒ No ☐

HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>% By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Oil	Various	100	5 mg/m ³ *	5 mg/m ³ *

*As Oil Mist.

MATERIAL SAFETY DATA SHEET

Page 2 of 6

PERSONAL PROTECTION INFORMATION

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required.

Eye Protection: Use safety glasses with side shields.

Skin Protection: No special garments required. Avoid unnecessary skin contamination with material.

NOTE: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

HANDLING AND STORAGE PRECAUTIONS

Avoid inhalation and skin and eye contact. Wear protective equipment described above if exposure conditions warrant. Wash hands after handling. Launder contaminated clothing before reuse.

Store in a cool, well-ventilated area away from ignition sources. Keep containers closed.

REACTIVITY DATA

Stability: Stable ☒ Unstable ☐ Conditions to Avoid:

Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will Not Occur ☒ May Occur ☐ Conditions to Avoid:

Hazardous Decomposition Products: Carbon oxides and various hydrocarbons formed when burned.

MATERIAL SAFETY DATA SHEET

Page 3 of 6

HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: See Hazardous Components Section (Page 1).

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: Mild irritation.

SKIN: Practically non-toxic by skin absorption. Mild irritation with prolonged or repeated contact.

INHALATION: None expected to 25 mg/m³ of air.

INGESTION: Practically non-toxic.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

No known applicable information.

OTHER HEALTH EFFECTS:

No known applicable information.

HEALTH HAZARD CATEGORIES:

	Animal	Human		Animal	Human
Known Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	<input type="checkbox"/>
Suspect Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	<input type="checkbox"/>
Mutagen	<input type="checkbox"/>	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	<input type="checkbox"/>
Teratogen	<input type="checkbox"/>	<input type="checkbox"/>	Target Organ Toxin	<input type="checkbox"/>	<input type="checkbox"/>
Allergic Sensitizer	<input type="checkbox"/>	<input type="checkbox"/>	Specify _____		
Highly Toxic	<input type="checkbox"/>	<input type="checkbox"/>			

FIRST AID AND EMERGENCY PROCEDURES:

EYE: Immediately flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.

SKIN: Wash with soap and water.

INHALATION: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

INGESTION: Give 2 glasses of water and induce vomiting. Seek medical attention.

MATERIAL SAFETY DATA SHEET

Page 4 of 6

of 6

PHYSICAL DATA

Appearance: Light amber liquid

Odor: Mild

Boiling Point: $>700^{\circ}\text{F}$ ($>371^{\circ}\text{C}$)

Vapor Pressure: <0.01 mm Hg at 20°C

Vapor Density (Air = 1): 15 +

Solubility in Water: Negligible

Specific Gravity ($\text{H}_2\text{O} = 1$): 0.89 at $60/60^{\circ}\text{F}$

Percent Volatile by Volume: Negligible

Evaporation Rate (_____ = 1): Negligible

Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): $>420^{\circ}\text{F}$ ($>216^{\circ}\text{C}$) (COC, ASTM D 92)

Flammable Limits (% By Volume in Air): LEL NE UEL NE

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO_2).

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described on Page 2 if exposure conditions warrant. Water fog or spray may be used to cool exposed equipment and containers. Do not spray water directly on fire — product will float and could be reignited on surface of water.

Fire and Explosion Hazards: Carbon oxides and various hydrocarbons formed when burned.

SPILL, LEAK and DISPOSAL PROCEDURES

Precautions Required if Material is Released or Spilled: Contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal drums.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a permitted waste management facility.

MATERIAL SAFETY DATA SHEET

Page 5 of 6

DOT TRANSPORTATION

Shipping Name: NA
Hazard Class: NA
ID Number: NA
Marking: NA
Label: NA
Placard: NA
Hazardous Substance/RQ: NA
Shipping Description: NA
Packaging References: NA

RCRA CLASSIFICATION (FOR UNADULTERATED PRODUCT AS A WASTE)

NA

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

NA

HAZARD CLASSIFICATION

THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (29 CFR PART 1910.1200):

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Not Hazardous | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Gas | <input type="checkbox"/> Health Hazard (See Page 3) | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | |

MATERIAL SAFETY DATA SHEET

Page 6 of 6

ADDITIONAL COMMENTS (Continued)

Continuous skin contact with used motor oils has caused skin cancer in laboratory animals. Avoid prolonged skin contact with used motor oils.

Phillips believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OR MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and the information referred to herein are beyond the control of Phillips (references to Phillips including its divisions, affiliates, and subsidiaries), Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

4032

MATERIAL SAFETY DATA SHEET

METHANOL

MSDS No.
HCROO1423

Rev. Date



ARCO CHEMICAL COMPANY
DIVISION OF ATLANTIC RICHFIELD COMPANY
1300 MARKET STREET
P.O. BOX 7258
PHILADELPHIA, PENNSYLVANIA 19101

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.
This product is covered by the OSHA Hazard Communication Rule and this document has been prepared in accord with the MSDS requirements of the rule.

I. General			
Trade Name METHANOL		Telephone Numbers EMERGENCY 800/424-9300 CHEMTREC 215/353-8300 ARCO CHEM CUSTOMER SERVICE 800/321-7000 INFO ONLY	
Other Names METHYL ALCOHOL, WOOD ALCOHOL			
Chemical Family ALIPHATIC ALCOHOL	DOT Hazardous Materials Proper Shipping Name METHYL ALCOHOL		
Generic Name N/P	DOT Hazard Class FLAMMABLE LIQUID		
CAS No. SEE SECTION IX	Company ID No. E000142300	UN/NA ID No. UN 1230	
II. DANGER Summary of Hazards SEE SUPPLEMENT BEGINNING ON PAGE 7			
PHYSICAL HAZARDS:		EXTREMELY FLAMMABLE-MAY BURN WITH INVISIBLE FLAME	
ACUTE HEALTH EFFECTS: (SHORT-TERM)		MODERATE INHALATION HAZARD MODERATE EYE IRRITANT MODERATE SKIN ABSORPTION HAZARD MODERATE INGESTION HAZARD. SEE SUPPLEMENT SLIGHT SKIN IRRITANT	
CHRONIC HEALTH EFFECTS: (LONG-TERM)		SWALLOWING AS LITTLE AS ONE TO FOUR OUNCES OF METHANOL HAS BEEN REPORTED TO CAUSE DEATH OR SERIOUS IRREVERSIBLE INJURY SUCH AS BLINDNESS. SEE SUPPLEMENT	
III. Fire and Explosion			
Flash Point (Method) AP 50° F (CC)		Autoignition Temperature (Method) AP 725° F	Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure Lower AP 6 Upper AP 36
Fire and Explosion Hazards	RELEASES FLAMMABLE VAPORS BELOW NORMAL AMBIENT TEMPERATURES. WHEN MIXED WITH AIR AND EXPOSED TO IGNITION SOURCE, CAN BURN IN OPEN OR EXPLODE IF CONFINED. MIXTURES WITH WATER AND AS LITTLE AS 21% (BY VOL) METHANOL ARE STILL FLAMMABLE (FLASH PT. <100 F). UNDER SOME CIRCUMSTANCES, MAY CORRODE CERTAIN METALS, INCLUDING ALUMINUM AND ZINC, AND GENERATE HYDROGEN GAS.		
Extinguishing Media	DRY CHEMICAL CO2 FOAM FOR ALCOHOLS WATERSPRAY WATER FOG		
Special Firefighting Procedures	A METHANOL FIRE MAY NOT BE VISIBLE TO THE NAKED EYE. DO NOT ENTER FIRE AREA W/O PROPER PROTECTION. SEE SECTION X - DECOMPOSITION PRODUCTS POSSIBLE. FIGHT FIRE FROM SAFE DISTANCE/PROTECTED LOCATION. HEAT MAY BUILD PRESSURE/ RUPTURE CLOSED CONTAINERS, SPREADING FIRE, INCREASING RISK OF BURNS/ INJURIES. APPLY AQUEOUS EXTINGUISHING MEDIA CAREFULLY TO AVOID FROTHING AND LIMIT EXPOSURE OF NEARBY EQUIPMENT. NOTIFY AUTHORITIES IF LIQUID ENTERS SEWER/PUBLIC WATERS.		

IV.

Health Hazards

SEE SUPPLEMENT
BEGINNING ON PAGE 7

Summary of Acute Hazards MODERATE HEALTH HAZARD - SEE BELOW FOR ROUTE-SPECIFIC DETAILS.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Primary Route(s)
Inhalation	OVEREXPOSURE MAY CAUSE COUGHING, SHORTNESS OF BREATH, DIZZINESS, INTOXICATION AND COLLAPSE.	<input checked="" type="checkbox"/>
Eye Contact	MAY CAUSE MODERATE IRRITATION, INCLUDING BURNING SENSATION, TEARING, REDNESS OR SWELLING.	<input checked="" type="checkbox"/>
Skin Absorption	EXPOSURE TO THIS MATERIAL CAN RESULT IN ABSORPTION THROUGH SKIN CAUSING HEALTH HAZARD.	<input checked="" type="checkbox"/>
Skin Irritation	MAY PRODUCE SKIN IRRITATION.	<input type="checkbox"/>
Ingestion	SEE SUPPLEMENT	<input checked="" type="checkbox"/>
Summary of Chronic Hazards and Special Health Effects	SEE SUPPLEMENT	

V.

Protective Equipment and Other Control Measures

Respiratory	DO NOT USE AIR-PURIFYING RESPIRATOR. ONLY NIOSH/MSHA APPROVED SUPPLIED AIR OR SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE ARE SATISFACTORY.
Eye	EYE PROTECTION SUCH AS CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD MUST BE WORN WHEN POSSIBILITY EXISTS FOR EYE CONTACT DUE TO SPLASHING OR SPRAYING LIQUID, AIRBORNE PARTICLES, OR VAPOR. CONTACT LENSES SHOULD NOT BE WORN.
Skin	WHEN SKIN CONTACT IS POSSIBLE, PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, HEAD AND FACE PROTECTION SHOULD BE WORN. THIS EQUIPMENT MUST BE CLEANED THOROUGHLY AFTER EACH USE.
Engineering Controls	GENERAL ROOM OR LOCAL EXHAUST VENTILATION IS USUALLY REQUIRED TO MEET EXPOSURE STANDARD(S).
Other Hygienic and Work Practices	EMERGENCY EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING/WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

VI.

Occupational Exposure Limits

Substance	Source	Date	Type	Value/Units	Time
METHYL ALCOHOL - SKIN	ACGIH	1984	TWA	200 PPM	8 HRS
			STEL	250 PPM	15 MIN
	OSHA	1971	TWA	200 PPM	8 HRS



METHANOL

MSDS No.
HCROO1423
Rev. Date

VII. Emergency and First Aid

Inhalation	IF OVERCOME BY EXPOSURE. REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.
Eye Contact	IN CASE OF EYE CONTACT, IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION.
Skin Contact	IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH MILD SOAP/WATER. FLUSH W/LUKEWARM WATER FOR 15 MINUTES. IF STICKY, USE WATERLESS CLEANER FIRST. SEEK MEDICAL ATTENTION IF ILL EFFECT OR IRRITATION DEVELOPS.
Ingestion	IF SWALLOWED, GIVE LUKEWARM WATER (PINT) IF VICTIM COMPLETELY CONSCIOUS/ALERT. INDUCE VOMITING. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.
Emergency Medical Treatment Procedures	METHANOL INGESTION IS LIFE-THREATENING. INDUCE VOMITING WITH SYRUP OF IPECAC. FOLLOW EMESIS WITH MODERATE AMOUNTS OF WATER ORALLY. SYMPTOM ONSET MAY BE DELAYED. ETHANOL THERAPY MAY BE INDICATED.

VIII. Spill and Disposal

Precautions if Material is Spilled or Released	EXTREMELY FLAMMABLE LIQUID. RELEASE CAUSES IMMEDIATE FIRE/EXPLOSION HAZARD. LIQUIDS/VAPORS MAY IGNITE. EVACUATE/LIMIT ACCESS. EQUIP RESPONDERS WITH PROPER PROTECTION (SEE SEC. V). KILL ALL IGNITION SOURCES. STOP RELEASE. PREVENT FLOW TO SEWERS/PUBLIC WATERS. RESTRICT WATER USE FOR CLEANUP. NOTIFY FIRE/ENVIRONMENTAL AUTHORITIES. IMPOUND/RECOVER LARGE LAND SPILL. BLANKET WITH FIREFIGHTING FOAM (SEE SEC. III). SOAK UP SMALL SPILL WITH INERT SOLIDS. USE SUITABLE DISPOSAL CONTAINERS. ON WATER, MATERIAL SOLUBLE/MAY FLOAT OR SINK. MAY BIODEGRADE. CONTAIN/MINIMIZE DISPERSION/COLLECT. DISPERSE RESIDUE TO REDUCE AQUATIC HARM. REPORT PER REGULATORY REQUIREMENTS.
Waste Disposal Methods	CONTAMINATED PRODUCT/SOIL/WATER MAY BE RCRA/OSHA HAZARDOUS WASTE (SEE 40 CFR 261 AND 29 CFR 1910). IF SPENT SOLVENT INTENDED FOR DISPOSAL, MAY BE DESIGNATED F003: IF SPILL CLEANUP RESIDUE, U154 UNDER RCRA LISTINGS. LAND-FILL SOLIDS AT PERMITTED SITES. USE REGISTERED TRANSPORTERS. BURN CONCENTRATED LIQUIDS IN SYSTEMS DESIGNED FOR LOW FLASH POINT MATERIAL. AVOID FLAMEOUTS. ASSURE EMISSIONS COMPLY WITH APPLICABLE REGULATIONS. DILUTE AQUEOUS WASTE MAY BIODEGRADE. AVOID OVERLOADING/POISONING PLANT BIOMASS. ASSURE EFFLUENT COMPLIES WITH APPLICABLE REGULATIONS.

IX. Components (This may not be a complete list of components)

Component Name	CAS No.	Carcinogen#	Composition amount (Wt.) (See Qualification on Page 4)
METHANOL	67-56-1	N/AP	GT 99 PERCENT

X. Physical and Chemical Data

Boiling Point (At 760.0 mm Hg) AP 147° F	Viscosity Units, Temp. (Method) N/AP	Dry Point N/AP
Freezing Point AP -144° F	Vapor Pressure (MM HG AT 68° F) AP 96	Volatile Characteristics MODERATE
Specific Gravity (H ₂ O = 1 at 39.2° F) AP 0.79	Vapor Sp. Gr. (Air = 1.0 at 80° - 90° F) AP 1.1	Solubility in Water COMPLETE
Hazardous Polymerization NOT EXPECTED TO OCCUR	Other Chemical Reactivity N/P	pH N/AP
		Stability STABLE

Other Physical and Chemical Properties N/P

Appearance and Odor CLEAR, COLORLESS LIQUID; FAINT ALCOHOL ODOR; ODOR IS NOT A GOOD INDICATOR OF EXPOSURE LEVEL.

Conditions to Avoid HEAT, SPARKS, OPEN FLAME, OXIDIZING CONDITIONS

Materials to Avoid STRONG OXIDIZING AGENTS; ALUMINUM; ZINC; ANY REACTIVE METAL WHICH WILL DISPLACE HYDROGEN; CERTAIN FORMS OF PLASTICS, RUBBER AND COATINGS

Hazardous Decomposition Products INCOMPLETE COMBUSTION WILL GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND PERHAPS OTHER TOXIC VAPORS SUCH AS FORMALDEHYDE.

XI. Additional Precautions

Handling, Storage and Decontamination Procedures

STORE ONLY IN TIGHTLY CLOSED/ PROPERLY VENTED CONTAINERS AWAY FROM HEAT/ SPARKS/OPEN FLAMES/STRONG OXIDIZING AGENTS. USE ONLY NON-SPARKING TOOLS. BLANKET STORAGE WITH DRY INERT GAS. STORE DRUMS WITH BUNG IN UP POSITION. CAREFULLY VENT INTERNAL PRESSURE BEFORE REMOVING CLOSURE. GROUND CONTAINERS BEFORE TRANSFER. WILL ABSORB ATMOSPHERIC MOISTURE. ELECTRICAL EQUIPMENT SHOULD CONFORM TO NATIONAL ELECTRIC CODE. CARBON STEEL IS SATISFACTORY MATERIAL OF CONSTRUCTION. DO NOT STORE IN ALUMINUM OR ZINC (GALVANIZED). HANDLE "EMPTY" DRUMS WITH CARE/VAPOR RESIDUE MAY BE FLAMMABLE/POISONOUS.

ISOLATE. VENT. DRAIN. WASH AND PURGE SYSTEMS OR EQUIPMENT BEFORE MAINTENANCE OR REPAIR. REMOVE ALL IGNITION SOURCES. CHECK ATMOSPHERE FOR EXPLO-SIVENESS AND OXYGEN DEFICIENCIES. USE ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. OBSERVE PRECAUTIONS PERTAINING TO CONFINED SPACE ENTRY.

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MATERIAL ITSELF

General Comments

- - - Note - - - Qualifications: EQ = Equal AP = Approximately N/P = No Applicable Information Found
LT = Less Than UK = Unknown N/AP = Not Applicable
GT = Greater Than TR = Trace N/DA = No Data Available

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.



METHANOL

MSDS No
HCROO1423
Rev. Date

XII.

Component Health Hazards

Component Name

METHANOL

Component Health Hazards

SLIGHT SKIN IRRITANT
MODERATE HEALTH HAZARD.

MODERATE EYE IRRITANT
CNS DEPRESSANT



METHANOL

MSDS No.
HCROO1423
Rev. Date

XIII.

Label Information

Manufacturer:	ARCO CHEMICAL COMPANY DIVISION OF ATLANTIC RICHFIELD COMPANY 1500 MARKET STREET P.O. BOX 7258 PHILADELPHIA, PENNSYLVANIA 19101	Telephone Numbers EMERGENCY 800/424-9300 CHEMTREC 215/353-8300 ARCO CHEM CUSTOMER SERVICE 800/321-7000 INFO ONLY
Use Statement:	FOR INDUSTRIAL USE ONLY KEEP OUT OF REACH OF CHILDREN	
Signal Word:	DANGER	
Physical Hazards:	EXTREMELY FLAMMABLE	
Health Hazards:	INHALATION HAZARD SKIN CONTACT HAZARD INGESTION HAZARD	
	EYE IRRITANT SKIN IRRITANT MAY CAUSE LONG-TERM ADVERSE HEALTH EFFECTS	
Precautionary Measures:	DO NOT HANDLE NEAR HEAT, SPARKS, OR OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR COMBUSTIBLE MATERIALS. AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. USE ONLY WITH ADEQUATE VENTILATION/PERSONAL PROTECTION. PREVENT CONTACT WITH FOOD, CHEWING, OR SMOKING MATERIALS. WASH THOROUGHLY AFTER HANDLING. DO NOT TASTE/SWALLOW.	
DOT Information:	UN/NA ID Number- UN 1230 Hazard Class- FLAMMABLE LIQUID Proper Shipping- METHYL ALCOHOL	
Instructions:	DRY CHEMICAL WATERSPRAY In case of fire, use- CO2 WATER FOG	
First Aid -Inhalation	IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.	
-Eye Contact	IN CASE OF EYE CONTACT, IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION	
-Skin Contact	IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH MILD SOAP/WATER. FLUSH W/LUKEWARM WATER FOR 15 MINUTES. IF STICKY, USE WATERLESS CLEANER FIRST. SEEK MEDICAL ATTENTION IF ILL EFFECT OR IRRITATION DEVELOPS.	
-Ingestion	IF SWALLOWED, GIVE LUKEWARM WATER (PINT) IF VICTIM COMPLETELY CONSCIOUS/ALERT. INDUCE VOMITING. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.	
In case of spill,		
Protective Equipment		
-Respiratory	USE NIOSH/MSHA APPROVED SUPPLIED AIR OR SELF-CONTAINED BREATHING APPARATUS.	
-Eye	CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD.	
-Skin	PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, AND FULL HEAD/FACE PROTECTION.	



XIV.

Supplement

ACUTE AND CHRONIC HEALTH EFFECTS

SWALLOWING AS LITTLE AS 1 TO 4 OUNCES OF METHANOL HAS BEEN REPORTED TO CAUSE DEATH OR SERIOUS IRREVERSIBLE INJURY SUCH AS BLINDNESS IN HUMANS. STUDIES IN EXPERIMENTAL ANIMALS INDICATE THAT THE METABOLISM OF METHANOL TO FORMIC ACID RESULTS IN METABOLIC ACIDOSIS AND REVERSIBLE OR IRREVERSIBLE DAMAGE TO THE OPTIC NERVE. SEE THE MEDICAL TREATMENT SECTION OF THIS DATA SHEET FOR INFORMATION ON TREATING METHANOL POISONING.

A RECENT ARTICLE HAS REPORTED EFFECTS OF EXPOSURE TO METHANOL VAPORS (AM. IND. HYG. ASSOC. J. 45(1): 57-55, 1984). IN THIS REPORT TEACHERS AIDES EXPOSED TO METHANOL VAPORS (368-3080 PPM) IN DIRECT-PROCESS SPIRIT DUPLICATING OPERATIONS REPORTED SIGNIFICANTLY MORE OF THE FOLLOWING COMPLAINTS THAN A COMPARISON GROUP: BLURRED VISION, HEADACHE, DIZZINESS, AND NAUSEA.

SPECIAL HEALTH EFFECTS

INGESTION OF THIS PRODUCT, EVEN IN SMALL AMOUNTS, CAN CAUSE BLINDNESS AND DEATH: ONSET OF SYMPTOMS MAY BE DELAYED FOR 18-24 HOURS; TREATMENT PRIOR TO ONSET OF OBVIOUS SYMPTOMS MAY BE LIFE-SAVING. METHANOL IS RAPIDLY ABSORBED AND EMESIS SHOULD BE INITIATED EARLY TO BE EFFECTIVE, WITHIN 30 MINUTES OF INGESTION, IF POSSIBLE. ADMINISTER SYRUP OF IPECAC. AFTER THE DOSE IS GIVEN, ENCOURAGE PATIENT TO TAKE 6-8 OUNCES OF CLEAR NON-CARBONATED FLUID. DOSE MAY BE REPEATED ONCE IF EMESIS DOES NOT OCCUR WITHIN 20-30 MINUTES. ADMINISTRATION OF AN AQUEOUS SLURRY OF ACTIVATED CHARCOAL WITH MAGNESIUM CIRTATE OR SORBITOL AS A CATHARTIC HAS BEEN REPORTED HELPFUL.

ETHANOL INHIBITS THE FORMATION OF TOXIC METABOLITES. IF ETHANOL THERAPY IS INDICATED, ADMINISTER A LOADING DOSE OF 7.6-10 ML OF 10% ETOH IN D5W OVER 30-60 MINUTES. MAINTENANCE DOSE IS 1.4 ML/KG/HR OF 10% ETOH, TO ACHIEVE A 100-130 MG/DL BLOOD ETOH LEVEL DURING ETHANOL THERAPY. (IF CHARCOAL IS ADMINISTERED, ETHANOL SHOULD BE ADMINISTERED INTRAVENOUSLY AND NOT ORALLY.)

MAINTAIN CONTACT WITH POISON CONTROL CENTER DURING ALL ASPECTS OF DIAGNOSIS AND TREATMENT.

MATERIAL SAFETY DATA SHEET

PAGE 1

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A

REVISION DATE: 10/22/91
EMERGENCY PHONE: 1-314-961-3500
CHEMTREC EMER NO: 1-800-424-9300

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT: KG 0049

TRADE NAME: KONTOL

LABEL: 004
000
000

(IF HAZARDOUS PER D.O.T. CFR TITLE 49)

SHIPPING NAME: Flammable Liquid, N.O.S.

HAZARD CLASS: Flammable Liquid

ID#: UN1993

CHEMICAL DESCRIPTION

A THIOALKYL SUBSTITUTED NITROGEN HETEROCYCLE IN AROMATIC
HYDROCARBONS AND ALCOHOLS.

SECTION 2 HAZARDOUS INGREDIENTS

CAS NUMBER	MATERIAL	%	EXPOSURE LIMITS
64742-94-5	Heavy aromatic naphtha	30-60	RECOMMENDED: 25 ppm
00067-56-1	Methanol	10-30	ACGIH TLV: 200ppm TWA OSHA PEL: 200ppm TWA ACGIH STEL: 250 ppm
**	Thioalkyl-substituted nitrogen heterocycle	5-10	Not Established
68526-86-3	Tridecanol	5-10	Not Established

**specific chemical identity is being withheld for
confidential business purposes.

SECTION 3 PHYSICAL DATA

SPECIFIC GRAVITY(H₂O = 1.0@60 F): 0.852
VAPOR PRESSURE: Not Established

VOLATILITY: Extreme
SOL. IN WATER: Dispersible

MISC. DATA: Boiling Point: 150F

APPEARANCE AND ODOR: Amber liquid. Alcohol, mercaptan odor.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 53 F

FLAMMABLE LIMITS: Not Established

CONTINUED ON PAGE: 2

MATERIAL SAFETY DATA SHEET

PAGE 2

***CONTINUATION OF KG 0049 ***

FLASH METHOD:

SFCC ASTM D-3828

EXTINGUISHING MEDIA:

Use water spray or fog, alcohol-type foam, dry chemical or CO2.

FIRE FIGHTING PROCEDURES:

Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Flammable. Cool fire-exposed containers using water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable liquid, vapors of which can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.

SECTION 5 HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

INHALATION:

Exposure to elevated vapor concentrations may result in eye, nose and respiratory irritation. Prolonged contact may cause drowsiness, dizziness and, in extreme cases, narcosis.

SKIN AND EYE CONTACT:

Brief, intermittent skin contact may cause moderate to severe irritation resulting in skin rashes. Prolonged contact may cause severe irritation or burns where clothing is confined. Contact with eyes may produce severe irritation or burns with transient eye injury.

EYE IRR. SCORE: 2 (0=None, 4=Severe)

SKIN IRR SCORE: 4 (0=None, 4=Severe)

DERMAL LD50: >2 g/kg Rabbit

INGESTION:

Harmful if swallowed. May cause headache, gastrointestinal disturbances, dizziness, and nausea. May result in irritation or burns of mouth and digestive tract.

ORAL LD50: 10.6 g/kg (Rat)

EMERGENCY AND FIRST AID PROCEDURES:

Wash skin thoroughly with soap and water. If rash or irritation develops, consult a physician. Launder clothing before reuse. If in eyes, irrigate with flowing water immediately and continuously for fifteen minutes. Consult a physician promptly.

CONTINUED ON PAGE: 3

MATERIAL SAFETY DATA SHEET

PAGE 3

***CONTINUATION OF KG 0049 ***

If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

If ingested, induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician immediately.

SECTION 6 REACTIVITY DATA

STABILITY:

Stable under normal conditions of storage and use.

INCOMPATIBILITY:

Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen and phosphorus. HCl.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 7 SPILL AND LEAK PROCEDURES

IF MATERIAL IS SPILLED OR RELEASED:

Small spill - Absorb on paper, cloth or other material.

Large spill - Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Cover residue with dirt, or suitable chemical adsorbent. Use personal protective equipment as necessary.

DISPOSAL METHOD:

Place chemical residues and contaminated adsorbent materials into a suitable waste container and take to an approved hazardous waste disposal site. Dispose of all residues in accordance with applicable waste management regulations.

DECONTAMINATION PROCEDURES:

Not appropriate.

SECTION 8 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

When concentrations exceed the exposure limits specified, use of a NIOSH-approved organic vapor cartridge respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a self-contained breathing unit may be necessary.

CONTINUED ON PAGE: 4

MATERIAL SAFETY DATA SHEET

PAGE 4

***CONTINUATION OF KG 0049 ***

VENTILATION:

General ventilation should be provided to maintain ambient concentrations below nuisance levels. Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

PROTECTIVE CLOTHING:

Chemical-resistant gloves and chemical goggles should be used to prevent skin and eye contact.

SECTION 9 SPECIAL PRECAUTIONS

Flammable liquid. Avoid heat, sparks and open flames. Avoid breathing of vapors and contact with eyes, skin or clothing. Keep container closed when not in use. Hazardous product residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning.

Although the information and recommendations set forth herein are believed to be correct as of the date hereof, Petrolite makes no representations to the accuracy of such information and recommendations. It is the user's responsibility to determine the suitability and completeness of such information and recommendation for its own particular use. Petrolite shall not be responsible for any direct, indirect, incidental or consequential damages of whatsoever nature resulting from the publication, use of or reliance upon such information and recommendations.

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PAGE 1

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/15/92
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3500

PRODUCT: KG 0049

The following information is provided for the convenience of Petrolite customers. This Environmental Data Sheet is incorporated into the Material Safety Data Sheet (MSDS) for the Petrolite product named above. When physically attached to the MSDS, this Environmental Data Sheet must not be detached from the MSDS. Any copying or redistribution of the MSDS to which this Environmental Data Sheet is attached must include copying and redistribution of this Environmental Data Sheet as well.

Petrolite makes reasonable efforts to assure the accuracy of this information, but makes no representation or warranty about it. This information is not intended as legal advice nor as a definitive guide to the requirements of applicable laws and regulations.

NFPA DESIGNATION 704

PRODUCT LABEL CODES

DEGREE OF HAZARD

HEALTH (BLUE)	= 3
FLAMMABILITY (RED)	= 3
REACTIVITY (YELLOW)	= 0
SPECIAL HAZARDS	= COR

0 = LEAST
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME

TSCA INVENTORY

This product, or its components, if a mixture, are on the Toxic Substance Control Act (TSCA) inventory.

ENVIRONMENTAL DATA SHEET

PAGE 2

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/15/92
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3500

PRODUCT: KG 0049

CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

This Petrolite product contains the following materials which have been listed as a hazardous substance or substances subject to the release reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and 40 CFR Part 302 and 40 CFR 355.40. The reportable quantities (RQs) are calculated in gallons of product. Each entry corresponds to the RQ, in pounds, of the listed CERCLA hazardous substance.

CHEMICAL	CAS NUMBER	RQ, #	RQ, GAL
Methanol	67-56-1	5,000	2,350
Cumene	98-82-8	5,000	22,800
Ethylbenzene	100-41-4	1,000	74,600

SARA TITLE III, EXTREMELY HAZARDOUS SUBSTANCES

This Petrolite product contains the following materials which have been listed as an Extremely Hazardous Substance or Substances subject to the emergency planning provisions of SARA Title III, Section 302 and 40 CFR 355.30, the release reporting requirements of SARA Title III, Section 304 and 40 CFR 355.40, and the hazardous chemical reporting/community right-to-know requirements of SARA Title III, Section 312 and 40 CFR Part 370. The reportable quantities (RQs) and threshold planning quantities (TPQs) are calculated in gallons of product. Each entry corresponds to the RQ or TPQ in pounds, as appropriate, for the listed Extremely Hazardous Substances. No data is given for listed Extremely Hazardous Substances present in concentrations below applicable de minimis levels.

**** NONE ****

SARA TITLE III, SECTION 311: HAZARD CATEGORIES

This Petrolite product has been assigned to the following hazard category(ies), as provided by SARA Title III, Section 311 and 40 CFR 370, Subpart A, 370.2:

ENVIRONMENTAL DATA SHEET

PAGE 3

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/15/92
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3500

PRODUCT: KG 0049

SARA TITLE III, SECTION 311: HAZARD CATEGORIES (CONT)

Acute (immediate) health hazard
Fire hazard

SARA TITLE III, SECTION 312 INVENTORY REPORTING INFORMATION

This Petrolite product has the following physical characteristics for any required reporting on the federal Tier Two form or its equivalent:

MIXTURE
LIQUID

SARA TITLE III, SECTION 313

This Petrolite product contains the following materials which have been listed as a toxic chemical or chemicals 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	CAS NUMBER	WEIGHT PERCENT
Cumene *	98-82-8	2.8 %
1,2,4-Trimethylbenzene *	95-63-6	1.1 %
Methanol	67-56-1	27.0 %

* solvent component

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MATERIAL SAFETY DATA SHEET

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Product Name:

ANTIFREEZE

PHILLIPS PETROLEUM COMPANY

Bartlesville, Oklahoma 74004

Emergency Phone Nos.

918-661-3865 (during business)

918-661-8118 (after hours)



WORLDWIDE



USA AND CANADA

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: NE

Chemical Name: Ethylene Glycol

Chemical Family: Glycol

Chemical Formula: $C_2H_6O_2$

CAS Reg. No: 107-21-1

Product No: NE

Product and/or Components Entered on EPA's TSCA Inventory: Yes ☒ No ☐**HAZARDOUS COMPONENTS**

<u>Ingredients</u>	<u>CAS Number</u>	<u>% By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethylene Glycol and other Glycols	107-21-1	88-90	NE	50*
Inhibitors and Dye	Various	10-12	NE	NE

* Ceiling Limit

MATERIAL SAFETY DATA SHEET

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PERSONAL PROTECTION INFORMATION

Ventilation: Use adequate ventilation to control below recommended exposure levels.

Respiratory Protection: For concentrations exceeding the recommended exposure level, use NIOSH/MSHA approved air purifying respirator. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator. If conditions immediately dangerous to life or health (IDLH) exist, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment.

Eye Protection: Use chemical goggles. For splash protection, use face shield with chemical goggles.

Skin Protection: Use gloves impervious to the material being used. Use full-body, long sleeved garments impervious to the material.

Note: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

HANDLING AND STORAGE PRECAUTIONS

Avoid inhalation and skin and eye contact. Wash hands after handling. Wear protective equipment and/or garments described above if exposure conditions warrant. Launder contaminated clothing before reuse. Store in a cool, well-ventilated area. Protect from sources of ignition.

REACTIVITY DATA

Stability: Stable ☒ Unstable ☐ Conditions to Avoid:

Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will not Occur ☒ May Occur ☐ Conditions to Avoid

Hazardous Decomposition Products: Carbon oxides and various hydrocarbons formed when burned.

MATERIAL SAFETY DATA SHEET

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HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: ACGIH TLV 50 ppm (ceiling)

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: May cause moderate irritation. Repeated vapor exposure causes severe eye irritation.

SKIN: May cause moderate irritation. Can be absorbed through skin in dangerous amounts.

INHALATION: Causes nausea, vomiting, increased heart rate, drop in blood pressure, depressed reflexes, seizures, convulsions, changes in the eyes, coma. May be aspirated into lungs if swallowed.

INGESTION: Causes eye changes such as optic atrophy and nystagmus. May cause cyanosis.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

Causes central nervous system depression.

OTHER HEALTH EFFECTS: No known applicable information.

HEALTH HAZARD CATEGORIES: (For Epichlorohydrin)

	Animal	Human		Animal	Human
Known Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	<input type="checkbox"/>
Suspect Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	<input type="checkbox"/>
Mutagen	<input type="checkbox"/>	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	<input type="checkbox"/>
Teratogen	<input type="checkbox"/>	<input type="checkbox"/>	Target Organ Toxin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Allergic Sensitizer	<input type="checkbox"/>	<input type="checkbox"/>	Specify	<u>Causes kidney damage and</u>	
Highly Toxic	<input type="checkbox"/>	<input type="checkbox"/>		<u>eye damage.</u>	

FIRST AID AND EMERGENCY PROCEDURES:

EYE: Flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.

SKIN: Wash with soap and water. If irritation develops, seek medical attention.

INHALATION: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

INGESTION: Do not induce vomiting. Seek immediate medical assistance. A physician may, at his discretion, perform gastric lavage using a cuffed endotracheal tube.

MATERIAL SAFETY DATA SHEET

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PHYSICAL DATA

Appearance: Liquid

Odor: Mild

Boiling Point: 330 (166°C)

Vapor Pressure: NE

Vapor Density (Air = 1): > 1

Solubility in Water: Complete

Specific Gravity (H₂O = 1): 1.11 - 1.14 at 60/60°F

Percent Volatile by Volume: 100

Evaporation Rate (Butyl Acetate = 1): < 1

Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): 250°F (121°C) (COC, ASTM D92)

Flammable Limits (% By Volume in Air): LEL 3.2 UEL NE (For Ethylene Glycol)

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂).

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described on Page 2 if conditions warrant. Water fog or spray may be used to cool exposed equipment and containers.

Fire and Explosion Hazards: Carbon oxides and various hydrocarbons formed when burned.

SPILL, LEAK and DISPOSAL PROCEDURES

Precautions Required If Material Is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Shut off source, if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal containers.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a permitted waste management facility.

MATERIAL SAFETY DATA SHEET

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DOT TRANSPORTATION

Shipping Name: NA

Hazard Class: NA

ID Number: NA

Marking: NA

Label: NA

Placard: NA

Hazardous Substance/RQ: NA

Shipping Description: NA

Packaging References: NA

RCRA CLASSIFICATION (FOR UNADULTERATED PRODUCT AS A WASTE)

NA

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Use NIOSH/MSHA approved respiratory protection, such as air-supplied mask, in confined spaces or other poorly ventilated areas. See Page 2 for protective clothing requirements. Contact immediate supervisor for specific instructions before work is initiated.

HAZARD CLASSIFICATION

THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (29 CFR PART 1910. 1200):

- | | | |
|---|--|---|
| <input type="checkbox"/> Not Hazardous | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard (See Page 3) | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | |

MATERIAL SAFETY DATA SHEET

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ADDITIONAL COMMENTS

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