

GW - 174

GENERAL CORRESPONDENCE

YEAR(S):

2005-1994

THE SANTA FE
NEW MEXICAN
Founded 1849

RECEIVED
JUN 24 2005
OIL CONSERVATION
DIVISION

NM OIL CONSERVATION DIV
Attn: Ed Martin
1220 ST. FRANCIS DR

SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00125212 ACCOUNT: 00002212
LEGAL NO: 77309 P.O. #: 05-199-050185
356 LINES 1 TIME(S) 156.64
AFFIDAVIT: 5.50
TAX: 11.86
TOTAL: 174.00

AFFIDAVIT OF PUBLICATION

*OK to pay
Ed Martin
6-28-05*

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, B. Perner, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 77309 a copy of which is hereto attached was published in said newspaper 1 day(s) between 06/23/2005 and 06/23/2005 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 23rd day of June, 2005 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/s/ *B Perner*
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 23rd day of June, 2005

Notary *Laura S. Hardy*
Commission Expires: *11/23/07*

**DEPARTMENT
OIL CONSERVATION
DIVISION**

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

(GW-325) Transwestern Pipeline Company, Mr. John Steenberg, Division Environmental Specialist, 4001 Indian School Road, NE, Suite 250, Albuquerque, NM 87110, has submitted a discharge permit application for their Gallup Compressor Station, located in Section 8, Township 15 North, Range 17 West, NMPM, McKinley County, New Mexico. The total discharge will be about 1 gallon/day. This fluid will consist of oil and water and will be discharged into closed top storage tanks on site. The wastewater will then be disposed of at an OCD-approved facility. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 1,200 feet with a total dissolved solids concentration of approximately 3,110 mg/l. The discharge permit addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-174) - El Paso Natural Gas Company, Mr. Richard Du-

arte, (505) 831-7763, 3801 Atrisco Blvd., NW, Albuquerque, New Mexico 87120 has submitted a discharge plan renewal application for the El Paso Natural Gas Company White Rock Compressor Station located in the NE/4 of Section 15, township 23 North, Range 14 West, NMPM, McKinley County, New Mexico. Approximately 10,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth ranging from 230 feet to 480 feet with estimated total dissolved solids concentration ranging from approximately 1600 mg/l to 7600 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-173) - El Paso Natural Gas Company, Mr. Richard Duarte, (505) 831-7763, 3801 Atrisco Blvd., NW, Albuquerque, New Mexico 87120 has submitted a discharge plan renewal application for the El Paso Natural Gas Company Gallup Compressor Station located in the NE/4 of Section 9, township 19 North, Range 17 West, NMPM, McKinley County, New Mexico. Approximately 10,000 gallons per day of cooling tower blowdown water with total dissolved solids con-

centration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth ranging from 317 feet to 810 feet with estimated total dissolved solids concentration ranging from approximately 425 mg/l to 593 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 permit application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will ap-

prove or disapprove the permit based on the information available. If a public hearing is held, the Director will approve the permit based on the information in the permit and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 20th day of June 2005.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

SEAL

MARK FEISMIRE, P.E.,
Director

Legal #77309
Pub. June 23, 2005

**NOTICE OF
PUBLICATION**

STATE OF
NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES

AFFIDAVIT OF PUBLICATION

Ad No. 51889

STATE OF NEW MEXICO County of San Juan:

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

Wednesday, June 22, 2005.

And the cost of the publication is \$92.08.

Connie Pruitt

ON 6/22/05 CONNIE PRUITT
appeared before me, whom I know personally
to be the person who signed the above
document.

Wynell Corey
My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918

Legals

NOTICE OF PUBLICATION

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

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 20th day of June 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

MARK FEISMIRE, PE., Director

Legal No. 51889 published in The Daily Times, Farmington, New Mexico on
Wednesday, June 22, 2005.

NOTICE OF PUBLICATION

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

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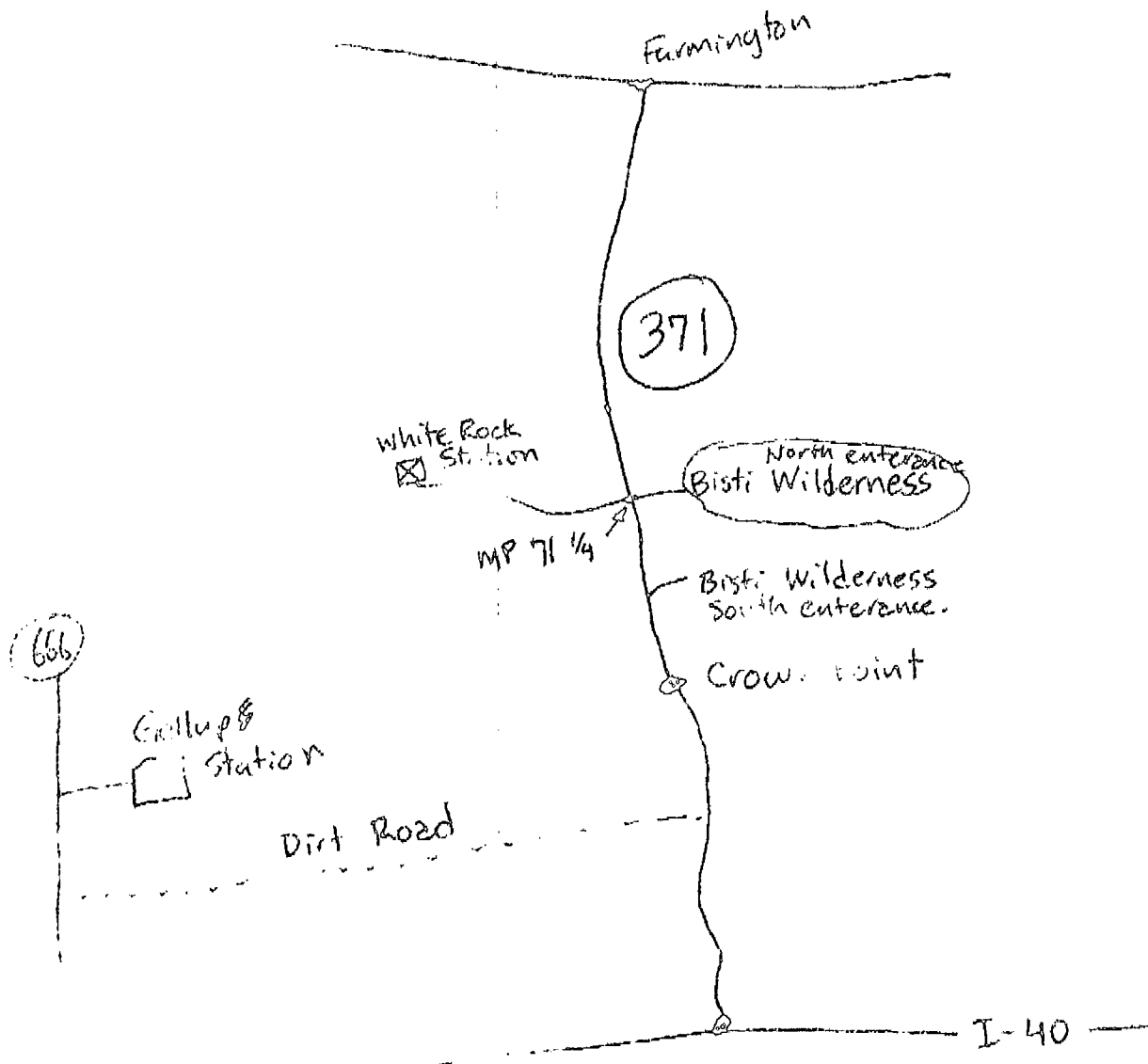
If no hearing is held, the Director will approve or disapprove the permit based on the information available. If a public hearing is held, the Director will approve the permit based on the information in the permit and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 20th day of June 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

MARK FEISMIRE, P.E., Director



From Crown Point: go North on 371 to MP 71 an 1/4 mile. Opposite the BLM entrance to Bisti Wilderness (North).

Go west about 3-miles on dirt road to White Rock Station. Road ends at the station.



**EL PASO
NATURAL GAS**

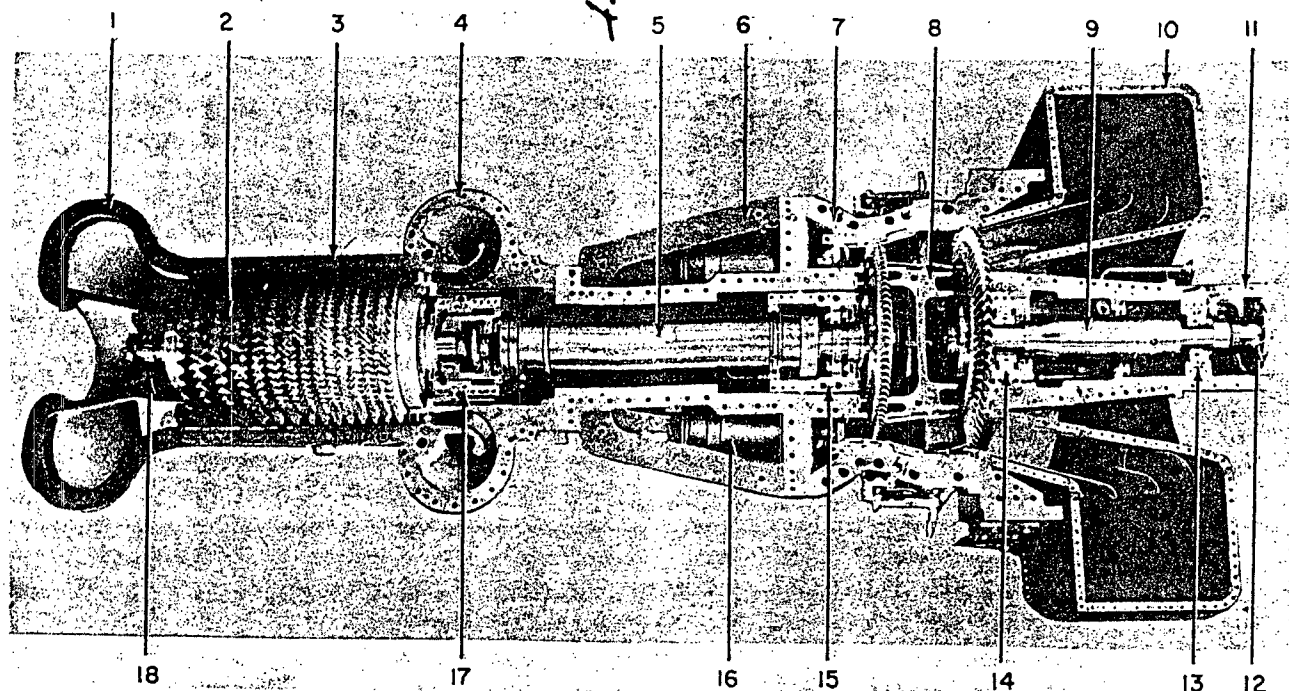
Agustin F. Campos
Transmission Lead
Bluewater, Laguna and Belen

El Paso Natural Gas Company
P.O. Box 103
Rehoboth, New Mexico 87322
EPNG MW 722-3642
Phone (505) 862-7424
Cell (505) 870-0874
Home (505) 863-5267

#1 14 STAGES
#2 15 STAGES

Left

FORWARD



1. Inlet casing
2. Compressor rotor
3. Compressor casing
4. Discharge casing
5. High-pressure turbine rotor
6. Turbine frame

7. Turbine shell and second-stage variable nozzle assembly
8. Second-stage diaphragm and intermediate gas path assembly
9. Low-pressure (load) turbine rotor

10. Exhaust hood
11. No. 5 bearing housing and hydraulic governor assembly
12. Load coupling hub
13. No. 5 journal and thrust bearing assembly (Kingsbury thrust bearing not installed)

14. No. 4 journal bearing assembly
15. No. 3 journal bearing assembly
16. Combustion chamber casing
17. No. 2 journal and thrust bearing assembly (Kingsbury thrust bearing not installed)
18. No. 1 journal bearing assembly

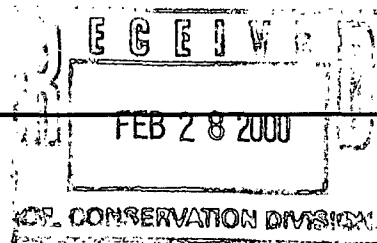
ELEVATION 5710

Typical gas turbine assembly.

- #1 FRAME 3 Model G (5 BEARING) 8,000 HP-6600 RPM
#2 FRAME 3 Model J (4 BEARING) 10,200 HP-6900 RPM
#1 LUBE OIL TANK HOLDS 1500 GALLONS (WET 1600 GALLONS)
#2 LUBE OIL TANK HOLDS 1500 GALLONS (WET 1600 GALLONS)
LUBE OIL DAY TANK (84 GALLONS)-



February 28, 2000



Roger Anderson, Bureau Chief
NMOCD – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Certified Mail
Return Receipt Requested
P 412 249 534

**Re: Discharge Plan GW-174 Renewal; El Paso Natural Gas Company's White Rock
Compressor, San Juan County, NM**

Dear Mr. Anderson:

Enclosed please find the signed Certification for the Discharge Plan at the subject facility. As per my discussions with you and your staff, EPNG has amended the completion date of the mechanical integrity for any underground process lines to July 28, 2000 (reference Condition No. 10). Accordingly, the previous date was marked out and the new date inserted.

Lastly, although the Navajo Nation EPA did not protest this Plan's renewal, it is EPNG's understanding that the issues of jurisdiction originally raised by the Navajo EPA when the permit was initially issued have not yet been resolved. Nonetheless, EPNG respectfully submits the enclosed Certification and will abide by the conditions of the Discharge Plan.

Please contact me at (505) 831-7763 if you have any questions regarding this Discharge Plan or if you wish to schedule a site inspection.

Sincerely,

Richard Duarte
Principal Environmental Engineer
Pipelines West Environment Department

Enclosure (original)

Copy (with enclosure):

Wayne Price, Engineer
NMOCD – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Mr. R. Anderson, NMOCD Environmental Bureau
White Rock Station -- Discharge Plan Renewal
Page 2

Blind Copy (w/ Discharge Plan Renewal documents):

Russ S. Pyeatt
Sandra D. Miller

File: White Rock Station -- Wastewater
R. Duarte's Chron. (w/out enclosures)

The Santa Fe New Mexican

Since 1849. We Read You.

NOV - 1 1999

NM OIL CONSERVATION DIVISION
ATTN: LUPE SHERMAN
2040 S. PACHECO STREET
SANTA FE, NM 87505

AD NUMBER: 116061 ACCOUNT: 56689
LEGAL NO: 66354 P.O.#: 00199000278
237 LINES 1 time(s) at \$ 104.34
AFFIDAVITS: 5.25
TAX: 6.85
TOTAL: 116.44

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, B. Pinner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #66354 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/28/1999 and 10/28/1999 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 28 day of October, 1999 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

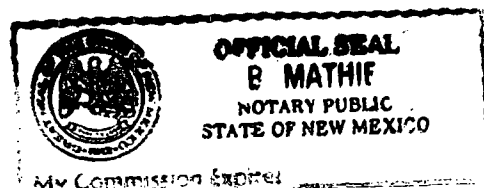
/S/

Betty Pinner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
26 day of October A.D., 1999

Notary

Commission Expires



**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-173) - El Paso Natural Gas Company, Mr. Richard Duarte, (505) 831-7763, 3801 Airisco Blvd., NW, Albuquerque, New Mexico 87120, has submitted a discharge plan renewal application for the El Paso Natural Gas Company Gallup Compressor Station located in the NE/4 of Section 9, Township 19 North, Range 17 West, NMPM, McKinley County, New Mexico. Approximately 10,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth ranging from 317 feet to 810 feet with estimated total dissolved solids concentration ranging from approximately 425 mg/l to 593 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 or disapprove the proposed plan(s) based on information in the 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 21st day of October, 1999.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

Legal #66354
Pub. October 28, 1999

AFFIDAVIT OF PUBLICATION

Ad No. 41922

STATE OF NEW MEXICO

County of San Juan:

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

Wednesday, October 27, 1999

and the cost of publication is: \$78.40

Alethia Rothlisberger

On 10/29/99 ALETHIA ROTH LISBERGER appeared before me, whom I know personally to be the person who signed the above document.

Christine K. Dwyer
My Commission Expires May 3, 2003.

COPY OF PUBLICATION

918

Legals

NOTICE OF PUBLICATION

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

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 21st day of October 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/Roger Candelaria
for LORI WROTENBERY, Director

SEAL

Legal No. 41922, published in The Daily Times, Farmington, New Mexico, Wednesday, October 27, 1999.0

P 326 937 131

007 J.FORD

GW-174

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

Sent to	Daily Times
Street & Number	P.O. Box 450
Post Office, State, & Zip Code	FT. WORTH TX 76101-87499
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

NOTICE OF PUBLICATION

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

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 21st day of October 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


for LORI WROTENBERY, Director

S E A L



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

January 6, 2000

CERTIFIED MAIL

RETURN RECEIPT NO. Z-142-564-934

Mr. Thomas P. Morgan
Transmission Operations Vice-President
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

**RE: Discharge Plan Renewal GW-174
El Paso Natural Gas Company
White Rock Compressor Station
San Juan County, New Mexico**

Dear Mr. Morgan:

The ground water discharge plan renewal application GW-174 for the El Paso Natural Gas Company White Rock Compressor Station located in the NE/4 of Section 15, Township 23 North, Range 14 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The original discharge plan application was submitted on July 23, 1994 and approved February 8, 1995. The discharge plan renewal application, dated October 8, 1999, submitted pursuant to Sections 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations also includes all earlier applications and all conditions later placed on those approvals. The discharge plan is renewed pursuant to Sections 5101.A. and 3109.C. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve El Paso Natural Gas Company of liability should operations result in pollution of surface water, ground water, or the environment.

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

Mr. Thomas P. Morgan
GW-174 White Rock Compressor Station
January 6, 2000
Page 2


Please note that Section 3104 of the regulations provides: "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., El Paso Natural Gas Company is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.G.4., this renewal plan is for a period of five years. This renewal will expire on **February 8, 2005**, and El Paso Natural Gas Company should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan.

The discharge plan renewal application for the El Paso Natural Gas Company White Rock Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan application will be assessed a fee equal to the filing fee of \$50. There is a renewal flat fee assessed for compressor stations with greater than 3000 horsepower is equal to one-half of the original flat fee or \$1,667.50. The OCD has received the filing fee and the required flat fee.

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

Sincerely,


Roger E. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Aztec Office

Z 142 564 934 0CD

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

Sent to	T. Morgan
Street & Number	EPNG
Post Office, State, & ZIP Code	El Paso
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	

Stamp: JAN 10 2000

PS Form 3800, April 1995

ATTACHMENT TO THE DISCHARGE PLAN RENEWAL GW-174
EL PASO NATURAL GAS COMPANY
WHITE ROCK COMPRESSOR STATION
DISCHARGE PLAN APPROVAL CONDITIONS
(January 6, 2000)

1. Payment of Discharge Plan Fees: The \$50.00 filing fee and the required flat fee has been received by the OCD. There is a required flat fee equal to one-half of the original flat fee for compressor stations.
2. El Paso Natural Gas Company Commitments: El Paso Natural Gas Company will abide by all commitments submitted in the discharge plan renewal application dated October 8, 1999 and these conditions for approval.
3. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste characterization per 40 CFR Part 261.
4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.
5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.
7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.
8. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.
10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity no later than December 31, 1999 and every 5 years, from tested date, thereafter. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.
11. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.
12. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.
13. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.
14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

15. Closure: The OCD will be notified when operations of the White Rock Compressor Station are discontinued for a period in excess of six months. Prior to closure of the White Rock Compressor Station the Director will submit a closure plan for approval. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
16. Certification: El Paso Natural Gas Company, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. El Paso Natural Gas Company further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

EL PASO NATURAL GAS COMPANY

by _____
Title

**White Rock Compressor Station
Discharge Plan
RENEWAL Application**



**Prepared for:
New Mexico Oil Conservation Division
October 8, 1999**

**El Paso Natural Gas Company
P.O. Box 1492
El Paso, TX 79978
(915) 541-3242**

*All Fees Paid
10-7-99*

White Rock Compressor Station
Discharge Plan

This Discharge Plan has been prepared in accordance with New Mexico Oil Conservation Division (OCD) "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants".

I. General Information

El Paso Natural Gas (EPNG) Company operates a natural gas compressor station known as "White Rock Compressor Station".

A. Discharger:

All correspondence regarding this discharge plan should be sent to EPNG headquarters at the address below:

Thomas P. Morgan
Transmission Operations Vice President
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978
(915) 496-2600

B. Local Representative

A copy of all correspondence and all questions should be directed to Albuquerque Division-Compliance Services Engineer.

Richard Duarte
Principle Compliance Engineer
El Paso Natural Gas Company
3801 Atrisco Blvd. NW
Albuquerque, NM 87120
(505) 831-7763

C. Location of Discharge

White Rock Compressor Station is located in the NE 1/4 Portion, Section 15, Township 23-N, Range 14-W, NMPM, in San Juan County, New Mexico. The station is approximately 22 miles north of Newcomb, New Mexico at Milepost 33.

D. Type of Natural Gas Operation

The compressor facility pressurizes Natural Gas from EPNG's 1202, and 1212 pipelines. Both streams flow through horizontal filters/separators before going to the compressors.

The installation includes one GE Frame 3, 10,000 horsepower turbine and one upgraded GE Frame 3, 6,670 horsepower turbine, and their associated equipment.

Major operational components are:

- two GE Frame 3 turbines
- two inlet natural gas scrubbers
- one fuel gas filter
- four engine coolant (ethylene glycol) fin-fans
- one full time electric generator and one auxiliary electric generator
- two lube oil storage tank (210 BBL and 20 BBL)
- one above ground ethylene glycol tank (65 BBL)
- one below grade waste liquids tank (240 BBL)

Discharges from each of the above components are discussed separately in section II of this application.

Affirmation

I hereby certify that I am familiar with the information contained in this application submitted for the White Rock Compressor Station Discharge Plan and that such information is true, accurate, and complete to the best of my knowledge and belief.

Richard Duarte
Signature

10-8-99
Date

Richard Duarte
Printed Name

Principle Compliance Engr.
Title

II. Plant Processes

Compressors:

The compressors have been installed in such a manner as to ensure containment of drips, spills and washdown water. Any spill or washdown water from cleaning operations are contained and discharged into a below grade storage tank.

Used oil is generated at a rate of approximately 40 gallons per 2,000 hours of operation. This oil is drained into a 240 BBL below grade storage tank and hauled from the site by an oil recycler.

Inlet & Fuel Gas Scrubbers:

Two suction scrubbers, one on the inlet side of each compressor unit remove natural gas liquids. Natural gas liquids generated by these scrubbers are discharged to the 240 BBL below grade storage tank. This tank has double wall carbon steel construction with a liquid sensor to detect leaks. The volume of liquids will vary.

A fuel gas filter is at the inlet to the fuel gas line for both turbines. Any natural gas liquids from this scrubber will also be discharged to the 240 BBL below grade storage tank.

Lube Oil Storage Tank:

A 20 BBL lube oil storage tank is located on-site and supplies oil to the electric generators. In addition, a 210 BBL lube oil storage tank is located on-site to supply oil to both turbines. Both these units have concrete secondary containment berms.

Ambitrol

A 65 BBL ethylene glycol storage tank is located onsite. Ethylene glycol is used to cool the turbines. The ethylene glycol tank has a concrete secondary containment berm.

Underground Drain Lines:

All underground piping and drain lines carrying either chemical commercial products or waste liquids have been hydrostatically tested. The below grade storage tank has secondary containment with a leak detection system.

Effluent Handling and Site Housekeeping:

The White Rock Compressor Station has state-of-the-art equipment and controls. This equipment minimizes on-site chemicals and prevents and mitigates any unplanned releases to the environment. Regularly scheduled maintenance procedures also help to ensure that the equipment remains functional and thus the possibility of spills or leaks is further minimized. The MSDS sheets for all chemicals handled at the station can be provided upon request.

This site is visited on a weekly or as-needed basis by EPNG personnel. Leaks, spills, and drips are managed as follows:

Small spills are absorbed by the soil or commercial absorbent pads. Any contaminated soil is excavated and contained in drums for recycle or off-site disposal.

Large spills are contained by the drain system or with commercial absorbent pads. Where possible, liquids and solid waste are segregated and managed in separate drums for recycle or disposal.

The waste generated from either scenario above is characterized and recycled if possible. If not recyclable, the waste is disposed according to its analytical profile.

Verbal and written notification of leaks or spills are made to the Bureau of Indian Affairs and OCD in accordance with BIA—Navajo Area Office Procedures for Undersirable Events Response (Oil and Gas Operations) and OCD Rule 116. Any release of a chemical with a reportable quantity regulated by Title 40 Code of Federal Regulations Parts 300 through 372 are reported to the National Response Center, and where applicable NMED.

III. Effluent and Solid Waste Disposal

There is minimal liquid and solid waste generated. All effluent and solid waste is characterized and managed for recycle, if possible, or disposal according to their analytical profile. Effluent and solid waste that cannot be recycled is disposed of in facilities approved by OCD, NMED or other jurisdictional agencies.

On-site effluent disposal utilizes the double-lined evaporation pond. This pond is used for evaporative disposal of air cooling water at an estimated rate of 10,000 gal/day during the summer months. The system's use is limited to the brief periods when hot ambient conditions occur during the day. This impoundment equipped with a leak detection system that is periodically inspected for any leaks of the lined pond.

The double-lined evaporation pond is constructed using only top quality materials. The top liners is high-density polyethylene (60-mil., minimum), 8130-XR-5 Material (30mil., minimum), industrial grade reinforced chlorosulfonated polyethylene (Hypalon, 36 mil. minimum), polypropylene (40 mil., minimum), or scrimreinforced polypropylene (45 mil., minimum). The bottom liner is PVC (30 mil., minimum), high density polyethylene (30 mil., minimum), chlorinated polyethylene (30 mil., minimum), chlorosulfonated polyethylene (30 mil., minimum), polypropylene (30 mil., minimum), or scrimreinforced polypropylene (45 mil., minimum). The geonet is a high density polyethylene (200 mil., minimum). The geotextile is a heavyweight non-woven polypropylene geotextile (16 oz/yd., minimum).

The leak detection system's a drain line is a 4 inch PVC perforated pipe. Pipes within the bottom liner containment volume (leak detection field) are perforated. Pipe located between the leak detection well and the pond shall have solid walls (no perforations). The pipes are installed to the grades shown in the design drawings.

The site also has a septic tank to treat domestic sewage. The septic system only receives sewage from one wash room with one toilet and one wash basin. This system was constructed in accordance with NMED guidelines for on-site disposal systems.

IV. Site Characteristics

White Rock Compressor Station is located within the Navajo section of the Colorado Plateau physiographic province, in the south central portion of the San Juan structural basin (55.92 mi. northeast of Gallup). Topographic relief within 1 mile of the site is approximately 250 feet with elevations ranging between 5,700 and 5,950 feet above sea level.

The average annual precipitation in the area ranges between 5 and 10 inches.

a. Geomorphology and Soils

The compressor station is located on a low plateau which separates Hunter Wash and the Chaco River. The mesa slopes slightly to the west, and other low mesas are present across the river.

The major soil association in the area of the compressor site is the Badland-Rock Land association (USSCS, 1973). The USSCS classifies this association as, "occupying the nearly level in the narrow alluvial valley bottoms, through rolling hills, to very steep slopes on escarpments and breaks". The surface layer is fine sandy loam. The soil ranges between 8 to 20 inches deep. There is very little vegetation, most of it is found in the arroyo bottoms. Most of the vegetation consists of several different grasses, and a few shrubs.

b. Regional Geologic Setting

The compressor station is located within the west-central portion of the San Juan Basin (See Topographic Map attached as Tab "E"). The deepest portion of the basin contains up to 15,000 feet of Paleozoic and Mesozoic sediments (Fassett and Hinds, 1971). Late Cretaceous age rocks outcrop in the mountains west of the compressor station (Stone et al, 1983).

Fruitland Formation

The Fruitland Formation contains the principal coal reserves of the San Juan Basin. The Fruitland Formation has similar hydrologic properties as does the Kirtland Shale. The Fruitland Formation consists of interbedded, sandy shale, carbonaceous shale, clayey sandstone, coal, and sandstone. The thickness of the Fruitland is generally between 200 and 300 feet. Several tests conducted as a part of the U.S. Geological Survey coal studies indicate a wide range of transmissivities (from 0.6 to 100 ft²/d).

Pictured Cliffs Sandstone

The Pictured Cliffs Sandstone descends to a maximum depth of 4,130 ft in the basin center. The formation is defined by a thin interval of interbedded sandstone and shale, and conformably overlies the Lewis Shale.

Lewis Shale

The Lewis Shale intertongues with the upper section of the cliff house sandstone, and a thin interval of this formation also intervenes between the Menefee, and Cliff House.

Cliff House Sandstone

The Cliff House Sandstone is the upper most member of the Mesaverde Group. The Cliff House forms the top or eastern flanks of the Hogback monocline marking the edge of the central basin. The Cliff House unconformably overlies the Menefee Formation. The Cliff House is composed of fine to very fine-grained, immature to submature subarkose. The unit varies from 20 to 245 feet thick throughout the basin.

Menefee Formation

The Menefee Formation conformably or disconformably overlies the Point Lookout Formation. The Menefee Formation is the middle unit of the Mesaverde Group. This unit crops out in the center of the Hogback monocline west of Farmington, New Mexico, and in a vast area of the Chaco slope. The Menefee Formation consists of two separate members based on the presence or absence of coal: the basal Clearly Member (coal bearing) and the upper Allison Member (non-coal bearing). The Menefee Formation is composed of interbedded claystone, carbonaceous siltstone and shale, coal, and sandstone. The thickness of the Menefee Formation varies from 400 to 1,000 feet.

Point Lookout Sandstone

The Point Lookout Sandstone is the lowest member of the Mesaverde Group. The Point Lookout is exposed in the Hogback monocline west of Farmington, New Mexico. The Point Lookout is composed of very fine to medium-grained, immature to submature, lithic arkose to arkose. The thickness of this unit varies from 40 to 415 feet. The Point Lookout lies conformably on the Mancos Shale.

c. Local Geology

The White Rock Compressor Station is located on relatively flat plains 55.92 miles northeast of Gallup, New Mexico, on the Navajo Indian Reservation. The facility has two (2) water wells located on the plants property. Well #1 was abandoned in 1991 and Well #2 is the present plant water supply well. The drillers' logs for these wells report that up to 605 feet of Fruitland and Cliff House Formation was encountered. Both formations are continental deposits with interbedded sandstone, mudstone, coal and shale. The Fruitland is predominantly shale and mudstone, and the Cliff House is predominantly sandstone.

d. Hydrology and Groundwater Quality

Regional Groundwater Hydrology and Water Quality

Three major groundwater systems are present in the Cretaceous and younger-age sedimentary deposits of this area of the San Juan Basin (Stone et. al, 1983). These aquifers are:

1. Confined aquifers within the Cretaceous and Tertiary sandstone units.
2. Water-table aquifers in the Cretaceous and Tertiary sandstone units near their outcrop areas.
3. Water-table aquifers in Quaternary alluvium, in river valleys and their tributaries.

Cretaceous units

Occurrence of groundwater resources associated with Cretaceous units is a function of the distribution of sandstone beds within these units. Recharge is dependent upon outcrop distribution, elevation, climate of the outcrop area, lithologic characteristics of the unit and leakage from other units. Hydraulic conductivity is usually low due to the fine-grained textures characteristic of these sediments.

Groundwater quality in Cretaceous sandstone aquifers is controlled by several factors. Total dissolved solids (TDS) concentrations increase as a function of increasing groundwater residence time and reduced transmissivity of aquifer materials. Fresh water is associated with low transmissivity zones. Groundwater moving along the sandstone-shale interfaces common to these rocks to exhibit increased TDS concentrations (Stone et. al, 1983). Water from these confined aquifers is suitable for stock and domestic use in some areas, although in most cases it is not considered a major source.

Tertiary units

Groundwater occurrence in Tertiary units is associated with the distribution of sandstone beds within these units. Groundwater recharge occurs through formations exposed along the flanks of the Nacimiento Uplift on the broad plateaus along the central part of the basin. Recharge amount to Tertiary aquifers is higher than that of Cretaceous aquifers due to broader exposures in areas of high precipitation. Groundwater in these aquifers flows from upland recharge areas to discharge areas along canyon floors. Springs and seeps result due to regional topography and geomorphic controls. The hydraulic conductivity of the Tertiary sandstone varies significantly as a function of grain size, sorting and cementation. The hydraulic gradient is controlled by topography, but the structural attitude of formation can alter the flow direction.

Tertiary sandstone aquifers have generally lower TDS concentrations than the Cretaceous aquifers (Stone et. al, 1983), and commonly provide major sources of water for domestic and agricultural usage. The complex intertonguing of sandstone and shale units is the primary influence on specific conductance, which can be as high as 10,500 $\mu\text{m}/\text{cm}$.

Quaternary units

Quaternary age aquifers occur primarily as valley fill in the major river valleys and consist of gravel, sand, silt, and clay. In arroyos the groundwater quality and quantity is highly variable. Where available, water from this source is used for stock, irrigation and domestic purposes.

Local Groundwater Hydrology and Quality

According to topographic (See Tab "F") maps published by the New Mexico Oil Conservation Division to support "Vulnerable Area Order", R-7940-C, and the White Rock Compressor Station is located outside the vulnerable zone.

EPNG has drilled two water supply wells at the facility. Well #1 was drilled in June, 1966 to a depth of 1,910 feet, and plugged back to 597 feet. This well was abandoned in 1991 because the well was silting up and no longer producing properly.

Well #2 was drilled in September, 1991. The drill log for EPNG Well#2 indicates that water bearing sands are located at a depth of 230 to 430 feet (200 ft. thick) and 433 to 480 ft. (47 ft. thick) deep. This well is completed in a sandstone unit of the cliff house. This aquifer appears to be a confined aquifer because the well is screened from 432 to 592 feet, and the static water level is 218.8 feet. The drill logs also report the presence of several 20 to 30 foot thick shale and coal layers above the water bearing sandstone which could act as confining layers.

According to Stone et. al. (1980) there are no other water wells located within one mile of the White Rock Compressor station. Eight wells are located within 6 miles of White Rock Station, all upgradient, to the east.

e. Surface Water Hydrology and Flooding Potential

White Rock Compressor Station is located on a low plateau between Hunter Wash and the Chaco River. Both are ephemeral drainage's over two miles from the plant. Neither are permanent surface waters in the vicinity of the plant, which would add to the flooding potential for the facility.

Drainage from the plant is to the north towards Hunter Wash over two miles away. Hunter Wash enters the Chaco River about 12 miles to the west. There is no direct conveyance between the plant and Hunter Wash. There is therefore little likelihood that any water run off from the station could reach any water way of the United States.



Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

OIL CONSERVATION DIVISION - DISTRICT I Hobbs - P.O. Box 1980 - Hobbs, NM 88241-1980 - (505) 393-6161 FAX (505) 393 - 0720

Price, Wayne

From: System Administrator[SMTP:postmaster@EpEnergy.com]
Sent: Friday, January 07, 2000 8:32 AM
To: Price, Wayne
Subject: Delivered: Discharge Plan renewal notice



Discharge Plan
renewal notice

<<Discharge Plan renewal notice >> Your message

To: 'DUARTER@epenergy.com'
Cc: Foust, Denny
Subject: Discharge Plan renewal notice
Sent: Fri, 7 Jan 2000 09:28:45 -0600

was delivered to the following recipient(s):

Duarte, Ricardo on Fri, 7 Jan 2000 09:32:06 -0600
MSEXCH:MSEExchangeMTA:MAIN:MAIL02A



October 8, 1999

Roger Anderson
NMOCD – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Overnight Mail
FedEx Air Bill No. 7922 7857 3388

**Re: Discharge Plan GW-174 Renewal; El Paso Natural Gas Company's White Rock
Compressor, San Juan County, NM**

Dear Mr. Anderson:

Enclosed please the subject documents. Also enclosed is EPNG Check No. 07426673, in the amount of \$740 to cover the filing fee (\$50) and renewal fee (\$690). Except for the "wash-down" water and stormwater runoff, White Rock Station is a zero discharge facility, with all the wastewater discharging into a double-lined pond.

Please contact me at (505) 831-7763 if you have any questions regarding this renewal application or if you wish to schedule a site inspection.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Richard Duarte'.

Richard Duarte
Principal Compliance Engineer
Compliance Services Department

Enclosure (application – 1 original & 1 copy)

Copy (with enclosure):

Denny G. Foust
NMOCD – Environmental Bureau
1000 Rio Brazos Street
Aztec, NM 87410

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. dated 10-7-99,
or cash received on in the amount of \$ 740.00
from El Paso Natural Gas Co.
for White Rock C.S. GW-174
Submitted by: [Signature] Date: 10-21-99
Submitted to ASD by: Date:
Received in ASD by: Date:
Filing Fee ☒ New Facility ☐ Renewal ☒
Modification ☐ Other
Organization Code 521.07 Applicable FY 2000
To be deposited in the Water Quality Management Fund.
Full Payment ☒ or Annual Increment ☐

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BEING TOP AND BOTTOM
EL PASO NATURAL GAS COMPANY
P.O. Box 1492
El Paso, TX 79978
CITIBANK DELAWARE
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720
62-20/311
Date 10/07/1999
Pay Amount \$740.00***
Pay *****SEVEN HUNDRED FORTY AND XX / 100 US DOLLAR*****
Void After One Year

To The
Order Of
NMED WATER QUALITY MANAGEMENT
2040 S Pacheco
Santa Fe, NM 87505

Re: White Rock GW-174

[Signature]
Authorized Signature

Check Date: 10/07/1999

EL PASO NATURAL GAS COMPANY

Check No. [REDACTED]

Refer Payment Inquires to (915) 496-5354

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
CKREQ991005	10/05/1999	00071637	740.00	0.00	740.00

White Rock GW-174

Vendor Number	Vendor Name		Total Discounts		
8000001207	NMED WATER QUALITY MANAGEMENT		\$0.00		
Check Number	Date		Total Amount	Discounts Taken	Total Paid Amount
[REDACTED]	10/07/1999		\$ 740.00	0.00	\$740.00

Check Date:

04/09/98

EL PASO NATURAL GAS COMPANY

Check No.

Refer Pmt Inquires to (915) 496-5354

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
CKREQ980402	04/02/98	00036031	2,760.00	0.00	2,760.00

For GW-174 White Rock Station (on Navajo Indian Lands) \$1,380
 For GW-173 Gallup Station (on Navajo Indian Lands) \$1,380

Vendor Number	Vendor Name		Total Discounts		
8000001207	Nmed Water Quality Management		\$0.00		
Check Number	Date		Total Amount	Discounts Taken	Total Paid Amount
	04/09/98		\$ 2,760.00	\$ 0.00	\$2,760.00

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 4/9/98,
or cash received on _____ in the amount of \$ 2760.00

from EPNG
for White Rock CS GW-174
Gallup CS GW-173

Submitted by: _____ Date: _____

Submitted to ASD by: R. Chaudhary Date: 6/18/98

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 MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BETWEEN AND TO THE

EL PASO NATURAL GAS COMPANY

P.O. Box 1492
El Paso, TX 79978

PAYABLE AT
CITIBANK DELAWARE
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

DATE 04/09/98

VOID AFTER 1 YEAR

62-20/311

PAY AMOUNT

\$2,760.00***

PAY: ****TWO THOUSAND SEVEN HUNDRED SIXTY AND XX / 100 US DOLLAR****

TO THE
ORDER OF NMED WATER QUALITY MANAGEMENT

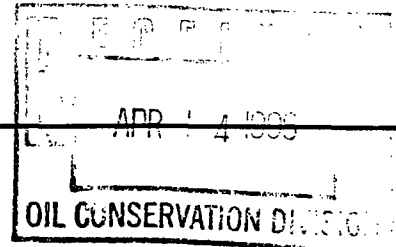
2040 S Pacheco
Santa Fe, NM 87505

Discharge Plan Fees GW-173 & GW-174
on Navajo Indian Lands

|||||

H. Brent Austin

Authorized Signature



**Certified
Return Receipt Requested
P 412 249 491**

April 13, 1998

Mark Ashley
NM Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Discharge Plan Fees for GW-173 Gallup Station & GW-174 White Rock Station.

Dear Mr. Ashley:

Enclosed please find EPNG check No. 07409949 in the amount of \$2,760 for the subject fees.

If you should have any questions, please contact me at 505/831-7763.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Richard Duarte'.

Richard Duarte
Sr. Compliance Engineer
Compliance Services

Mr. M. Ashley, NMOCD
Discharge Plan Fees for White Rock & Gallup
April 13, 1998
Page 2

Blind Copy (with enclosure):

Bruce S. Campbell *
Don R. Payne
Sandra D. Miller / Thomas D. Hutchins
Russ Pyeatt *
Donald Campbell *

File: Gallup Station – wastewater
White Rock Station – wastewater

R. Duarte's Chron. (W/o enclosure)

* denotes sent via MS mail



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

February 20, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-021

Mr. Thomas D. Hutchins
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

**Re: Discharge Plan Fees GW-174
White Rock Compressor Station
San Juan County, New Mexico**

Dear Mr. Hutchins:

On August 18, 1994 the New Mexico Oil Conservation Division (OCD) received, via certified mail, from El Paso Natural Gas Company (EPNG) a discharge plan application for EPNG's White Rock Compressor Station. The OCD issued public notice and processed the application. On February 8, 1995 EPNG received, via certified mail, a letter from the OCD stating that the discharge plan GW-174 for the White Rock Compressor Station was approved.

On January 29, 1997, El Paso Natural Gas Company (EPNG) received, via certified mail, a letter from the New Mexico Oil Conservation Division (OCD) reminding EPNG that the \$1,380 flat fee for White Rock Compressor Station (GW-174) had not yet been received. As of this date, the OCD has not received the required flat fee.

EPNG must submit the \$1,380 in order to be in compliance with Water Quality Control Commission Regulation 3114. Please submit the flat fee in full by March 20, 1998 or the OCD will initiate enforcement actions which may include fines and/or an order to cease all operations at the facility.

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

Mr. Thomas D. Hutchins
February 20, 1998
Page 2

If you have any questions, please contact me at (505)-827-7152 or Mark Ashley at (505) 827-7155.

Sincerely,



Roger Anderson
Environmental Bureau Chief

RCA/mwa

cc: OCD Aztec Office

P 288 259 021

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

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

PS Form 3800, April 1995

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal

Time 2:00 pm

Date 6/27/97

Originating Party

Other Parties

Pat Sanchez - OCD

Thomas Hutchins - EPNB

Subject

Flats Fee's for GW-173 (Gallup Compressor Station) and GW-174 (White Rock Compressor Station) both are over two years late.

Discussion

Let Mr. Hutchins know that OCD had sent EPNB letters on January 29, 1997 regarding payment of the Flat Fees for the two above mentioned facilities. (Permits were approved on February 8, 1995.) Mr. Hutchins informed me that Mr. Bigbie was no longer with EPNB and that he thought the issue regarding the Fee's and permits had been addressed - i.e. permits were not valid because of Federal/Indian land.

Conclusions or Agreements

I agreed to FAX Mr. Hutchins the two letters dated January 29, 1997 and also a letter sent to the Navajo EPA dated January 13, 1995 by Mr. LeMay, Director of the OCD.

Distribution File - GW-173 & GW-174 Signed

Robert L. LeMay



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

January 29, 1997

CERTIFIED MAIL

RETURN RECEIPT NO. P-288-258-755

Mr. Donald N. Bigbie
El Paso Natural Gas Company (EPNG)
P.O. Box 1492
El Paso, TX 79901

**RE: Discharge Plan Fees GW-174
White Rock Compressor Station
San Juan County, New Mexico**

Dear Mr. Bigbie:

On February 10, 1995, EPNG, received, via certified mail, an approval dated February 8, 1995 from the New Mexico Oil Conservation Division (OCD) for discharge plan GW-174. Each discharge plan has a filing fee and a flat fee as described in WQCC Section 3114 (see attachment), the flat fee of \$1,380 for the White Rock facility discharge plan GW-174 has not as of this date January 29, 1997 been received by the OCD Santa Fe Division office for GW-174.

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

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

Sincerely,

Roger Anderson
Environmental Bureau Chief

RCA/pws

xc: Mr. Denny Foust - Aztec District OC
attachment

P 288 258 755

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	Mr. Bigbie - EPNG
Street & Number	GW-174 White Rock
Post Office, State, & ZIP Code	Flat Fee.
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	

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96033-

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator E1 Paso Natural Gas
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site White Rock Compressor Station
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	NE 4 SEC 15 T23N R14W, SEC, NM.
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

PIGGING WASTE FROM TRANSMISSION LINE

TCLP Attached.

RECEIVED

JAN - 8 1997

Environmental Bureau
Oil Conservation Division

Estimated Volume 1500 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 1-6-97
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 1/6/97

APPROVED BY: Patricia W. Smith TITLE: Pct. ENGINEER DATE: 1-9-97



January 13, 1995

Sadie Hoskie, Director
Navajo Nation EPA
P.O. Box 308
Window Rock, AZ 86515

RE: El Paso Natural Gas Company discharge plan applications---GW-173 Gallup Compressor Station and GW-174 White Rock Compressor Station

Dear Ms. Hoskie:

In response to your letter of October 26, 1994, we have given thoughtful consideration to your request that the Oil Conservation Division dismiss the proceedings related to ground water permits for the Gallup and White Rock Compressor Stations. Our program is designed, among other things, to protect groundwater, an important resource common to the State and the Navajo Nation.

After contacting Mr. Patrick Antonio of your office, we learned that the Navajo Nation does not have a program currently in place equivalent to the OCD program which would ensure that plans are formulated to handle discharges posing a threat to groundwater. Until such a program is up and running, it is appropriate to take advantage of the existing program within the Oil Conservation Division to protect groundwater.

The OCD will therefore continue to process the above-referenced applications. Copies of the plans submitted to the OCD will be furnished to the Navajo Nation EPA. Your comments and other participation in the process are most welcome.

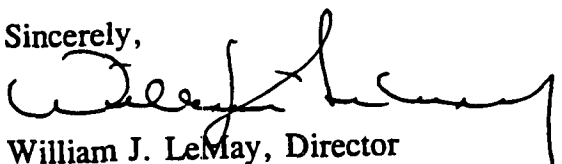
Once the Navajo Nation has its own groundwater protection program in place to handle these discharges, we can work on an arrangement that would allow the OCD to defer to the Navajo Nation EPA, which could then act in the place of the OCD.

VILLAGRA BUILDING - 408 Gallisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7485

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-7131

If you have any questions please call me at 505/827-7132. I look forward to working with you.

Sincerely,

A handwritten signature in dark ink, appearing to read 'W. LeMay', written over the printed name.

William J. LeMay, Director
New Mexico Oil Conservation Division



**THE
NAVAJO
NATION**

OIL CONSERVATION DIVISION
RECEIVED

1994 OCT 26 PM 8 52

P.O. BOX 308

• WINDOW ROCK, ARIZONA 86515

• (602) 871-4941

PETERSON ZAH
PRESIDENT

MARSHALL PLUMMER
VICE PRESIDENT

21 OCT 1994

William J. Lemay
Director, Oil Conservation Division
New Mexico State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

**RE: El Paso Natural Gas Company discharge plan applications
GW-173 Gallup Compressor Station and GW-174 White Rock
Compressor Station**

Dear Mr. Lemay:


In response to the Notices of Publication on the above-referenced discharge plan applications, the Navajo Nation submits the following comments for the record.

Pursuant to established principles of federal Indian law, environmental statutes and the implementing regulations, the State of New Mexico lacks jurisdiction to approve, deny, or otherwise regulate the proposed discharges on Indian reservations. Both discharge plan applications at issue here involve sites geographically located within the formal boundaries of the Navajo Nation Indian Reservation, established by the Executive Order of 1880, on lands owned in trust by the United States for the Navajo Nation. Environmental regulatory jurisdiction over these sites reposes exclusively in the United States and the Navajo Nation. Until the Navajo Nation assumes primary enforcement authority over discharges to surface or groundwater pursuant to the federal Clean Water Act and Safe Drinking Water Act, the United States Environmental Protection Agency retains sole jurisdiction relative to the state to regulate discharges to surface and ground water on the Navajo Reservation.

The state should therefore immediately dismiss its proceedings on GW-173 and GW-174 for lack of jurisdiction, and inform El Paso Natural Gas Company that it should submit the proper applications to Region 9 of the United States Environmental Protection Agency, with a copy to the Navajo Nation Environmental Protection Agency.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Sadie Hoskie', with a stylized, cursive script.

Sadie Hoskie, Director
Navajo Nation EPA

cc: Patrick Antonio
Peg Rogers
Greg Lind
Terry Oda

STATE OF NEW MEXICO

County of Bernalillo

SS

RECEIVED

OCT 11 AM 8 52

Bill Tafoya being duly sworn declares and says that he is Classified Advertising Manager of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, 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 25 day of Sept., 1994 and the subsequent consecutive publications on _____, 1994

Bill Tafoya

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 25 day of Sept. 1994.

PRICE \$ 44.95

Statement to come at end of month.

CLA-22-A (R-1/93) ACCOUNT NUMBER C 80932



OFFICIAL SEAL
Megan Millage

NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: 5-20-98

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) 827-8800:

(GW-173) - El Paso Natural Gas Company, Donald M. Bigbie, Vice President, 304 Texas Street, El Paso, Texas 79901, has submitted a discharge application for their Gekup Compressor Station located in the NE/4 Section 8, Township 19 North, Range 17 West, NMPM, McKinley County, New Mexico. Approximately 19,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Groundwater most likely to be affected in the event of an accidental discharge is at a depth ranging from 317 feet to 610 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-174) - El Paso Natural Gas Company, Donald M. Bigbie, Vice President, 304 Texas Street, El Paso, Texas 79901, has submitted a discharge application for their White Rock Compressor Station located in the NE/4 Section 15, Township 23 North, Range 14 West, NMPM, McKinley County, New Mexico. Approximately 19,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Groundwater most likely to be affected in the event of an accidental discharge is at a depth ranging from 230 feet to 480 feet with a total dissolved solids concentration ranging from approximately 1600 mg/l to 7000 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 and Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday 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 notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If a 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.

VEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 14th day of September, 1994.

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

notal: September 25, 1994.

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:

(GW-173) - El Paso Natural Gas Company, Donald N. Bigbie, Vice President, 304 Texas Street, El Paso, Texas 79901, has submitted a discharge application for their Gallup Compressor Station located in the NE/4 Section 9, Township 19 North, Range 17 West, NMPM, McKinley County, New Mexico. Approximately 10,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Groundwater most likely to be affected in the event of an accidental discharge is at a depth ranging from 317 feet to 810 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

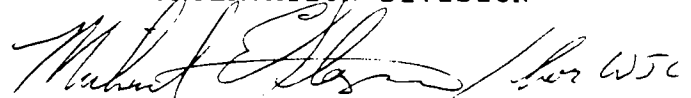
(GW-174) - El Paso Natural Gas Company, Donald N. Bigbie, Vice President, 304 Texas Street, El Paso, Texas 79901, has submitted a discharge application for their White Rock Compressor Station located in the NE/4 Section 15, Township 23 North, Range 14 West, NMPM, McKinley County, New Mexico. Approximately 10,000 gallons per day of cooling tower blowdown water with total dissolved solids concentration of 1,000 mg/l is stored in an above ground double lined evaporation pond equipped with leak detection. Groundwater most likely to be affected in the event of an accidental discharge is at a depth ranging from 230 feet to 480 feet with a total dissolved solids concentration ranging from approximately 1600 mg/l to 7600 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 14th day of September, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in dark ink, appearing to read "William J. Lemay", followed by a diagonal line and the handwritten number "656".

WILLIAM J. LEMAY,
Director

SEAL

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 8-10-94,
or cash received on 8/17/94 in the amount of \$ 50.00
from JIM'S WATER SERVICE OF COLORADO, INC
for ARTESIA FACILITY (GW-172)

Submitted by: [REDACTED] Date: [REDACTED]

Submitted to ASD by: CHRIS EUSTICE Date: 8/17/94

Received in ASD by: [REDACTED] Date: 8/17/94

Filing Fee ☒ New Facility ☐ Renewal ☐

Modification ☐ Other ☐ (specify)

Organization Code 521.07 Applicable FY 95

To be deposited in the Water Quality Management Fund.

Full Payment ☐ or Annual Increment ☐

JIM'S WATER SERVICE OF COLORADO, INC.
P.O. BOX 718
BRIGHTON, COLORADO 80601
(303) 659-6606

FIRST SECURITY BANK 82-244/1070
FORT LUPTON, COLORADO

REGISTERED 50 DOLS 00 CTS
8P144074

DATE	CONTROL NO.	AMOUNT
8/10/94	033215	\$\$\$50.00***

PAY
TO THE
ORDER OF

ENERGY MINERALS & NATURAL RESOURCES

[REDACTED]
AUTHORIZED SIGNATURE



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

Sent Certified, Return Receipt Requested

Thomas D. Hutchins

August 18, 1994

Mr. William J. LeMay, Director
Energy, Minerals and Natural Resources Department
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504

RECEIVED
JUL 23 1994
OIL CONSERVATION DIV.
SANTA FE

Re: Discharge Plan for El Paso Natural Gas Company's (EPNG's) White Rock
Compressor Station

Dear Mr. LeMay:

Enclosed for your review are two copies of the Discharge Plan for EPNG's natural gas compressor facility known as "White Rock Compressor Station". The Discharge Plan specifies procedures to ensure compliance with the New Mexico Water Quality Control Commission Regulations. Also enclosed is the fifty dollar (\$50.00) application filing fee.

EPNG respectfully requests your approval of this plan and will meet with you or agency personnel whenever necessary should more information be required. Should you or agency personnel have any questions, please contact me at (915) 541-3242.

Thank you for your consideration of this matter.

Sincerely,

Thomas D. Hutchins

Thomas D. Hutchins, PE
Manager, Environmental Compliance Engineering

enclosure

cc: Ms. Sadie Hoskie, Director, Navajo Environmental Protection Administration,
Division of Resources, P.O. Box 308, Window Rock, AZ 86515

**White Rock Compressor Station
Discharge Plan**

RECEIVED
JUL 23 1994
OIL CONSERVATION DIV.
SANTA FE



Prepared for:

New Mexico Oil Conservation Division

August 17, 1994

GW-174

El Paso Natural Gas Company
P. O. Box 1492
El Paso, TX 79978
(915) 541-3242

**White Rock Compressor Station
Discharge Plan**

This Discharge Plan has been prepared in accordance with New Mexico Oil Conservation Division (OCD) "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants."

I. General Information

El Paso Natural Gas (EPNG) Company operates a natural gas compressor station known as "White Rock Compressor Station".

A. Discharger:

All correspondence regarding this discharge plan should be sent to EPNG headquarters at the address below:

Donald N. Bigbie
Transmission Operations Vice President
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978
(915) 541- 5215

B. Local Representative

A copy of all correspondence and all questions should be directed to the Manager of Environmental Compliance Engineering:

Thomas D. Hutchins
Compliance Engineering Manager
El Paso Natural Gas Company
P. O. Box 1492
El Paso, TX 79978
(915) 541-3242

C. Location of Discharge

White Rock Compressor Station is located in the NE 1/4 Portion, Section 15, Township 23-N, Range 14-W, NMPM, in San Juan County, New Mexico. The station is approximately 22 miles east of Newcomb, New Mexico at Milepost 40. Tab "A" shows a highway map to the site.

D. Type of Natural Gas Operation

The compressor facility pressurizes natural gas from EPNG's 1202 and 1212 pipelines. Both streams flow through horizontal filters/separators before going to the compressors. The installation includes one GE Frame 3, 10,000 horsepower turbine and one upgraded GE Frame 3, 6,670 horsepower turbine, and their associated equipment (See Mechanical Flow Diagram attached as Tab "B").

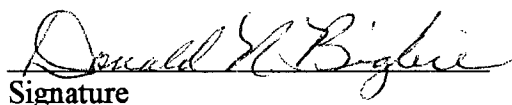
Major operational components are:

- two GE Frame 3 turbines
- two inlet natural gas scrubbers
- one fuel gas filter
- four engine coolant (ethylene glycol) fin-fans
- one full time electric generator and one auxiliary electric generator
- two lube oil storage tanks (210 BBL and 20 BBL)
- one above ground ethylene glycol tank (65 BBL)
- one below grade waste liquids tank (240 BBL)

Discharges from each of the above components are discussed separately in section II of this application.

Affirmation

I hereby certify that I am familiar with the information contained in this application submitted for the White Rock Compressor Station Discharge Plan and that such information is true, accurate, and complete to the best of my knowledge and belief.


Signature

DONALD N. BIGBIE
Printed Name

8/17/94
Date

VICE PRESIDENT
TRANSMISSION OPERATIONS ENGINEERING
Title

II. Plant Processes

Compressors:

The compressors have been installed in such a manner as to ensure containment of drips, spills, and washdown water. Any spill or washdown water from cleaning operations will be contained and discharged into a below grade storage tank.

Used oil is generated at a rate of approximately 40 gallons per 2,000 hours of operation. This oil is drained into a 240 BBL below grade storage tank and hauled from the site by an oil recycler.

Inlet & Fuel Gas Scrubbers:

Two suction scrubbers, one on the inlet side of each compressor unit, remove natural gas liquids. Natural gas liquids generated by these scrubbers are discharged to the 240 BBL below grade storage tank. This tank has double wall carbon steel construction with a liquid sensor to detect leaks. The volume of liquids will vary.

A fuel gas filter is at the inlet to the fuel gas line for both turbines. Any natural gas liquids from this filter will also be discharged to the 240 BBL below grade storage tank.

Lube Oil Storage Tank:

A 20 BBL lube oil storage tank is located on-site and supplies oil to the electric generators. In addition, a 210 BBL lube oil storage tank is located on-site to supply oil to both turbines. Both these units have concrete secondary containment berms.

Ambitrol

A 65 BBL ethylene glycol storage tank is located on-site. Ethylene glycol is used to cool the turbines. The ethylene glycol tank has a concrete secondary containment berm.

Underground Drain Lines:

All underground piping and drain lines carrying either chemical commercial products or waste liquids have been hydrostatically tested. The below grade storage tank has secondary containment with a leak detection system.

Effluent Handling and Site Housekeeping:

The White Rock Compressor Station has State-of-the-Art equipment and controls. This equipment minimizes on-site chemicals and prevents and mitigates any unplanned releases to the environment. Regularly scheduled maintenance procedures also help to

ensure that the equipment remains functional and thus the possibility of spills or leaks is further minimized. The MSDS sheets for all chemicals handled at the station are attached as Tab "C".

This site is visited on a daily basis by EPNG personnel. Leaks, spills, and drips are managed as follows:

Small spills are absorbed by the soil or commercial absorbent pads. The soil is excavated and contained in drums for recycle or off-site disposal.

Large spills are contained by the drain system or with commercial absorbent pads. Where possible, liquids and solid waste are segregated and managed in separate vessels for recycle or disposal.

The waste generated from either scenario above is characterized and recycled if possible. If not recyclable, the waste is disposed according to its analytical profile.

Verbal and written notification of leaks or spills are made to the Bureau of Indian Affairs and OCD in accordance with BIA--Navajo Area Office Procedures for Undesirable Events Response (Oil and Gas Operations) and OCD Rule 116. Any release of a chemical with a reportable quantity regulated by Title 40 Code of Federal Regulations Parts 300 through 372 are reported to the National Response Center, and where applicable NMED.

III. Effluent and Solid Waste Disposal

There is minimal liquid and solid waste generated. All effluent and solid waste is characterized and managed for recycle, if possible, or disposal according to their analytical profile. Effluent and solid waste that cannot be recycled is disposed of in facilities approved by OCD, NMED or other jurisdictional agencies.

On-site effluent disposal will utilize one double-lined evaporation pond. This pond will be used for evaporative disposal of air cooling water at an estimated rate of 10,000 gal/day. This impoundment will be provided with a leak detection system that will be periodically inspect for any leaks in the lined pond.

The double-lined evaporation pond will be constructed using only top quality materials. The top liners will be high density polyethylene (60-mil., minimum), 8130-XR-5 Material (30 mil., minimum), industrial grade reinforced chlorosulfonated polyethylene (Hypalon, 36 mil. minimum), polypropylene (40 mil., minimum), or scrimreinforced polypropylene (45 mil., minimum). The bottom liner will be PVC (30 mil., minimum), high density polyethylene (30 mil., minimum), chlorinated polyethylene (30 mil., minimum), chlorosulfonated polyethylene (30 mil., minimum), polypropylene (30 mil., minimum), or scrimreinforced polypropylene (45 mil., minimum). The geonet will be a

high density polyethylene (200 mil., minimum). The geotextile will be a heavyweight non-woven polypropylene geotextile (16 oz/yd., minimum).

The leak detection system will have a drain line which will be a 4 inch, PVC, perforated pipe. Pipes within the bottom liner containment volume (leak detection field) will be perforated. Pipe located between the leak detection well and the pond shall have solid walls (no perforations). The pipes will be installed to the grades shown in the design drawings (Attached as Tab "D").

The site also has a septic tank to treat domestic sewage. The septic system only receives sewage from one wash room with one toilet and one wash basin. This system was constructed in accordance with NMED guidelines for on-site disposal systems.

IV. Site Characteristics

White Rock Compressor Station is located in the Navajo section of the Colorado Plateau physiographic province, in the south central portion of the San Juan structural basin (55.92 mi northeast of Gallup). Topographic relief within 1 mile of the site is about 250 feet with elevations from 5,700 to 5,950 feet above sea level.

The average annual precipitation in the area ranges between 5 and 10 inches.

a. Geomorphology and Soils

The compressor station is located on a low plateau which separates Hunter Wash and the Chaco River. The mesa slopes slightly to the west, and other low mesas are present across the river.

The major soil association in the area of the compressor site is the Badland-Rock Land association (USSCS, 1973). The USSCS classifies this association as, "occupying the nearly level in the narrow alluvial valley bottoms, through rolling hills, to very steep slopes on escarpments and breaks". The surface layer is fine sandy loam. The soil ranges between 8 to 20 inches deep. There is very little vegetation, most of it is found in the arroyo bottoms. Most of the vegetation consists of several different grasses, and a few shrubs.

b. Regional Geology

The compressor station is located within the west-central portion of the San Juan Basin (See Geological Map attached as Tab "E"). The deepest portion of the basin contains up to 15,000 feet of Paleozoic and Mesozoic sediments (Fassett and Hinds, 1971). Late

Cretaceous age rocks outcrop in the mountains west of the compressor station (Stone et. al, 1983).

Fruitland Formation

The Fruitland Formation contains the principal coal reserves of the San Juan Basin. The Fruitland Formation has similar hydrologic properties as does the Kirtland Shale. The Fruitland Formation consists of interbedded, sandy shale, carbonaceous shale, clayey sandstone, coal, and sandstone. The thickness of the Fruitland is generally between 200 and 300 feet. Several tests conducted as a part of the U.S. Geological Survey coal studies indicate a wide range of transmissivities (from 0.6 to 100 ft²/d).

Pictured Cliffs Sandstone

The Pictured Cliffs Sandstone descends to a maximum depth of 4,130 ft in the basin center. The formation is defined by a thin interval of interbedded sandstone and shale, and conformably overlies the Lewis Shale.

Lewis Shale

The Lewis Shale intertongues with the upper section of the Cliff House Sandstone, and a thin interval of this formation also intervenes between the Menefee, and Cliff House.

Cliff House Sandstone

The Cliff House Sandstone is the upper most member of the Mesaverde Group. The Cliff House forms the top or eastern flanks of the Hogback monocline marking the edge of the central basin. The Cliff House unconformably overlies the Menefee Formation. The Cliff House is composed of fine to very fine-grained, immature to submature subarkose. The unit varies from 20 to 245 feet thick throughout the basin.

Menefee Formation

The Menefee Formation conformably or disconformably overlies the Point Lookout Formation. The Menefee Formation is the middle unit of the Mesaverde Group. This unit crops out in the center of the Hogback monocline west of Farmington New Mexico and in a vast area of the Chaco slope. The Menefee Formation is composed of interbedded claystone, carbonaceous siltstone and shale, coal, and sandstone. The thickness of the Menefee Formation varies from 400 to 1,000 feet.

Point Lookout Sandstone

The Point Lookout Sandstone is the lowest member of the Mesaverde Group. The Point lookout is exposed in the Hogback monocline west of Farmington New Mexico. The

Point Lookout is composed of very fine to medium-grained, immature to submature, lithic arkose to arkose. The thickness of this unit varies from 40 to 415 feet. The Point Lookout lies conformably on the Mancos Shale.

c. Local Geology

The White Rock Compressor Station is located on the relatively flat plains 55.92 miles northeast of Gallup, New Mexico, on the Navajo Indian Reservation. There are 2 water wells located on the plants property. Well # 1 was abandoned in 1991 and Well #2 is the present plant water supply well. The drillers logs for these wells report that up to 605 feet of Fruitland and Cliff House Formation was encountered. Both formations are continental deposits with interbedded sandstone, mudstone, coal and shale. The Fruitland is predominantly shale and mudstone, and the Cliff House is predominantly sandstone.

d. Hydrology and Groundwater Quality

Regional Groundwater Hydrology and Water Quality

Three major groundwater systems are present in the Cretaceous and younger-age sedimentary deposits of this area of the San Juan Basin (Stone et. al, 1983). These aquifers are:

1. Confined aquifers within the Cretaceous and Tertiary sandstone units.
2. Water-table aquifers in the Cretaceous and Tertiary sandstone units near their outcrop areas.
3. Water-table aquifers in Quaternary alluvium in river valleys and there tributaries.

Cretaceous units.

Occurrence of groundwater resources associated with the Cretaceous units is a function of the distribution of sandstone beds with these units. Recharge is dependent upon outcrop distribution, elevation, climate of the outcrop area, lithologic characteristics of the unit and leakage from other units. Hydraulic conductivity is usually low due to the fine-grained textures characteristic of these sediments.

Groundwater quality in Cretaceous sandstone aquifers is controlled by several factors. Total dissolved solids (TDS) concentrations increase as a function of increasing groundwater residence time and reduced transmissivity of aquifer materials. Fresh water is associated with low transmissivity zones. Groundwater moving along the sandstone-shale interfaces common to these rocks tend to exhibit increased TDS concentrations

(Stone et. al, 1983). Water from these confined aquifers is suitable for stock and domestic use in some areas, although in most cases it is not considered a major source.

Tertiary units.

Groundwater occurrence in the Tertiary units is associated with the distribution of sandstone beds within these units. Recharge to groundwater is through infiltration through formation exposures along the flanks of the Nacimiento Uplift and on the broad plateaus that occur in the central part of the basin. The amount of recharge to Tertiary aquifers is higher than that of Cretaceous aquifers due to broader exposures in areas of high precipitation. Groundwater in these aquifers flows from upland recharge areas to discharge areas along canyon floors. Springs and seeps result due to regional topography and geomorphic controls. The hydraulic conductivity of the Tertiary sandstones varies significantly, as a function of grain size, sorting and cementation. The hydraulic gradient is controlled by topography, but the structural attitude of the formation can alter the flow direction.

Tertiary sandstone aquifers have generally lower TDS concentrations than the Cretaceous aquifers (Stone et. al, 1983), and commonly provide major sources of water for domestic and agricultural usage. The complex intertonguing of sandstone and shale units is the primary influence on specific conductance, which can be as high as 10,500 $\mu\text{m}/\text{cm}$.

Quaternary units

Quaternary age aquifers occur primarily as valley fill in the major river valleys and consist of gravel, sand, silt, and clay. In arroyos the groundwater quality and quantity is highly variable. Where available, water from this source is used for stock, irrigation and domestic purposes.

Local Groundwater Hydrology and Quality

According to topographic maps (See Tab "F") published by the New Mexico Oil Conservation Division to support "Vulnerable Area Order", R-7940-C, the White Rock Compressor Station is located outside the vulnerable zone.

EPNG has drilled two water supply wells at the facility. Well #1 was drilled in June, 1966 to a depth of 1,910 feet, and plugged back to 597 feet. This well was abandoned in 1991 because the well was silting up and no longer producing properly.

Well #2 was drilled in September, 1991. The drill log for EPNG Well #2 indicates that water bearing sands are located at a depth of 230' to 430' (200' thick) and 433' to 480' (47' thick) deep. This well is completed in a sandstone unit of the Cliff House. This aquifer appears to be a confined aquifer because the well is screened from 432 to 592 feet, and the static water level is 218.8 feet. The drill logs also report the presence of several 20 to 30

foot thick shale and coal layers above the water bearing sandstone which could act as confining layers.

According to Stone et al (1980) there are no other water wells located within one mile of the White Rock Compressor Station. Eight wells are located within 6 miles of White Rock Station, all upgradient, to the east. See Table #1 for the location of these wells.

e. Surface Water Hydrology and Flooding Potential

The White Rock Compressor Station is located on a low plateau between Hunter Wash and the Chaco River. Both are ephemeral drainages over two miles from the plant. Neither are permanent surface waters which would add to the flooding potential for the facility.

Drainage from the plant is to the north towards Hunter Wash over two miles away. Hunter Wash enters the Chaco River about 12 miles to the west. There is no direct conveyance between the plant and Hunter Wash. There is therefore little likelihood that any water run off from the station could reach any water of the United States.

[illegible]

Land Area: 121,336 sq. mi. (5)
Population: 1,494,200 (37)
Dimensions: N-S 390 miles, E-W 350 miles
Highest Point: Wheeler Peak 13,161 ft., C-7
Capital: Santa Fe, E-6
Largest City: Albuquerque, F-5
Index page 123

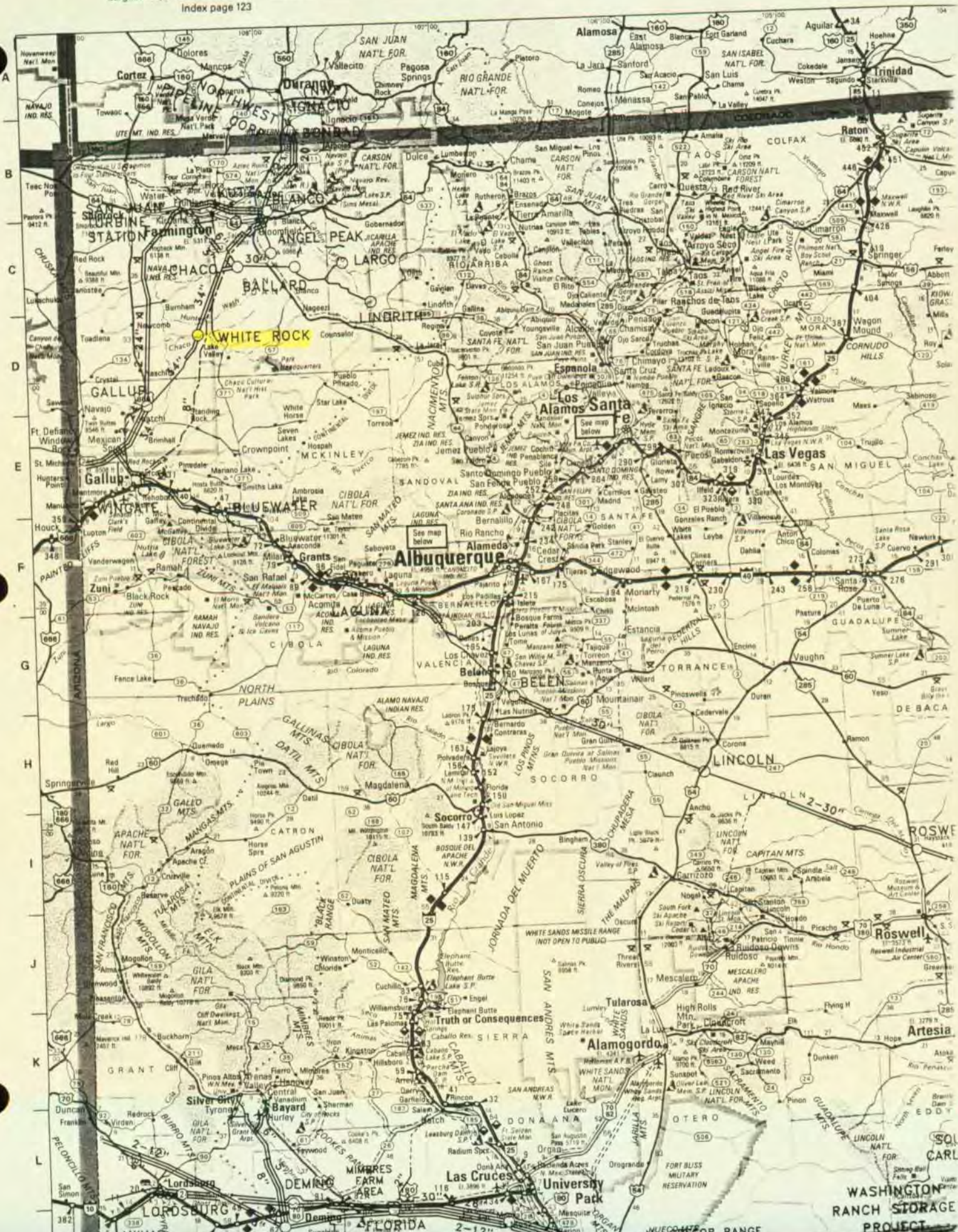
AZ p.8
TX p.93
MEX p.119

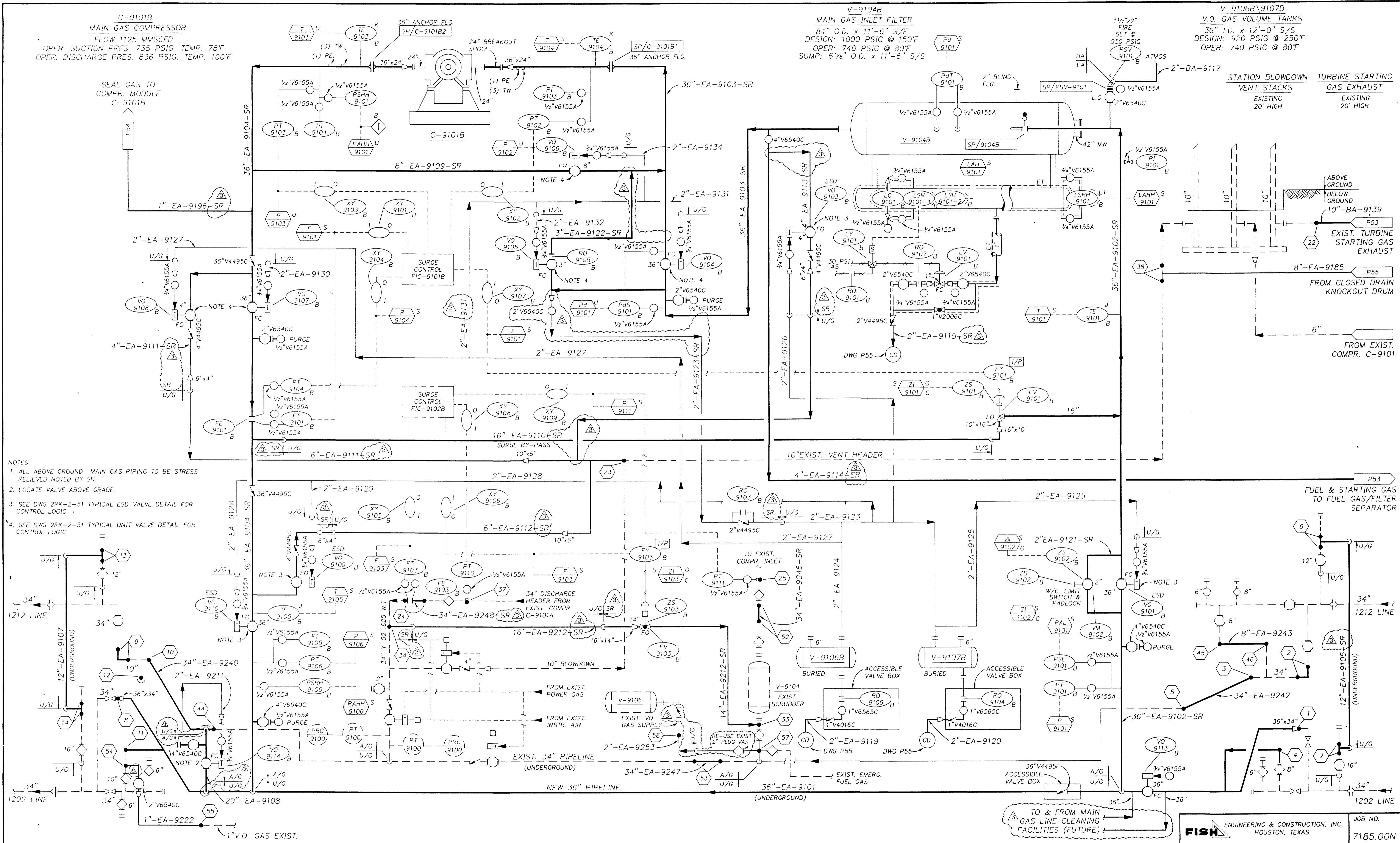


Albuquerque National Monument, D-15
Carlsbad Caverns National Monument, M-9
El Morro National Monument, J-2
Gila Cliff Dwellings National Monument, J-2
Pecos National Monument, E-7
Taos, C-7
White Sands National Monument, K-6

Mileage in red in black between
arrowheads, in black between
intersections. Some interchange
numbers indicate mileage.

Albuquerque
Clovis
Las Cruces
Roswell
Santa Fe





LEGEND		REFERENCE DRAWINGS		REVISIONS		PRINT RECORD		ENG. RECORD		DATE	
DWG NO.	TITLE	DWG NO.	TITLE	NO.	DATE	BY	DESCRIPTION	APP	W.O.	APP	DATE
4	11/13/92	RM	CHGD. DWG. NO.	1	11/13/92	RM	AS BUILT	JRN	L-4392		
2	9-20-91	FG	GENERAL REVISION	2	9-20-91	FG	GENERAL REVISION	HKP	L-4392	MLG	
1	7-17-91	MG	GENERAL REVISION	1	7-17-91	MG	GENERAL REVISION	HKP	L-4392	MLG	
0	7-16-91	FG	APPROVED FOR CONSTRUCTION	0	7-16-91	FG	APPROVED FOR CONSTRUCTION	HKP	L-4392		
DWG. NO.		TITLE		NO.		DATE		BY		DESCRIPTION	
4		11/13/92		RM		CHGD. DWG. NO.		1		11/13/92	
2		9-20-91		FG		GENERAL REVISION		2		9-20-91	
1		7-17-91		MG		GENERAL REVISION		1		7-17-91	
0		7-16-91		FG		APPROVED FOR CONSTRUCTION		0		7-16-91	
DWG. NO.		TITLE		NO.		DATE		BY		DESCRIPTION	
4		11/13/92		RM		CHGD. DWG. NO.		1		11/13/92	
2		9-20-91		FG		GENERAL REVISION		2		9-20-91	
1		7-17-91		MG		GENERAL REVISION		1		7-17-91	
0		7-16-91		FG		APPROVED FOR CONSTRUCTION		0		7-16-91	
DWG. NO.		TITLE		NO.		DATE		BY		DESCRIPTION	
4		11/13/92		RM		CHGD. DWG. NO.		1		11/13/92	
2		9-20-91		FG		GENERAL REVISION		2		9-20-91	
1		7-17-91		MG		GENERAL REVISION		1		7-17-91	
0		7-16-91		FG		APPROVED FOR CONSTRUCTION		0		7-16-91	

FISH ENGINEERING & CONSTRUCTION, INC.
HOUSTON, TEXAS

El Paso
Natural Gas Company
WHITEROCK COMPRESSOR STATION
MECHANICAL FLOW DIAGRAM
MAIN GAS COMPRESSION

SCALE: NONE
DWG. NO. 2RK-2-P58
REV. 4

06-03-92 • 14:02 • FG • FLOW
OLD DWG. NO. 2RK-2-P52

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TENNECO HYDRAULIC JACK OIL

HAZARDOUS DECOMPOSITION PROUDUCTS:

Combustion produces carbon monoxide/dioxide along with thich black smoke.

SECTION VI HEALTH AND HAZARD INFORMATION

Inhalation hazard is negligible unless heated to produce vapors or as as mist. Vapors or misted oil can irritate the mucous membranes and cause pulmonary irritation, dizziness, and nausea.

Eye contact can cause irritation. Prolonged or repeated contact with the skin may cause irritation of the hair follicles and block sebecious glands causing rashes, oil acne or dermatitis. Ingestion may irritate digestive tract but is generally not harmful unless in large quantities.

Possible aspiration hazard exists with low viscosity products which could cause pulmonary edema which can be fatal. Naphthemic oils, unless severely hydrotreated or solvent extracted, may contain plynuclear aromatics (PNAs) which have induced cancer in laboratory animals. Prolonged or repeated skin contact may be carcinogenic to man and result in skin cancer. Inhalation of oil mists containing naphthenic materials may also present a cancer hazard

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: Wash with soap and water or use waterless hand cleaner after skin contact. Launder contaminated clothing before reuse.

EYE: Flush with water for 15 minutes, getting under eyelids. Contact physician if difficulty or irritation persists contact a physician for assistance.

INHALAITON: Mists or vapors - remove from area of exposure to fresh air. If breathing difficulty or irritation persists, contact a physician for assistance.

INGESTION: DO NOT induce vomiting. Contact a physician for advice.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Remove sources of ignition, contain spill to smallest possible area. Stop leak if possible. Pick up small spills with absorbent materials such as papertowels, "oil dry", sand, or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent or remove remaining oil film.

WASTE DISPOSAL:

Waste may be disposed of by a licensed waste disposal company.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TENNECO HYDRAULIC JACK OIL

Contaminated absorbent materials may be disposed of in an approved landfill. Federal, state, and local regulations must be followed. Classified as an "oil" under Coast Guard regulations and Clean Water Act. Spills entering waterways that cause a sheen on the water surface must be reported to the U.S. Coast Guard National Resources Center -800/424-8802.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Respirators acceptable for mists and particulates recommended for protection from oil vapors or mists. Air supplied or self-contained breathing equipment recommended or concentration above 250 mg/m³.

PROTECTIVE CLOTHING:

Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. Neoprene or nitrile gloves and clothing recommended to prevent skin contact.

OTHER PROTECTIVE MEASURES:

Provide explosion-proof ventilation where oils are heated or misted to meet TLV level. Employees must practice good personal hygiene, washing exposed skin areas several times daily and laundering contaminated clothing before reuse.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Store in closed containers below 120 F (48.8 C).

Keep away from oxidizing agents, excessive heat, sources of ignition.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PERFECT SEALING COMPOUND #4

EPNG MSDS NO: 00862
PRODUCT ITEM NO: 0011945

DATE ISSUED: 06/16/1988
LAST REVISED DATE: / /

MANUFACTURER

NAME: P.O.B. INC.
ADDRESS: 11100 KENWOOD ROAD

CITY: CINCINNATI,
STATE: OH ZIP: 45242

EMERGENCY TELEPHONE: (513) 793-6332
24 HOUR TELEPHONE: (513) 793-6336

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PERFECT SEALING COMPOUND #4

SECTION I MATERIAL IDENTIFICATION

MANUFACTURER'S NAME AND ADDRESS:

P.O.B. Inc.

11100 Kenwood Road, Cincinnati, Ohio 45242

EMERGENCY TELEPHONE NUMBER 513-793-6332

TELEPHONE NUMBER FOR INFORMATION: 513-793-6336

IDENTIFY (AS USED ON LABEL AND LIST): Perfect Seal No. 4

SECTION II INGREDIENTS AND HAZARDS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
Isopropanol Alcohol	67-63-0	400PPM	Flammable	24.1
Propylene Glycol				
Methyl Ether	107-98-2	100PPM	Flammable	4.8

NON HAZARDOUS

Castor Oil 8001-79-4

Soyabean Oil 68152-81-8

Celite 322 7631-86-9

Celite T38 1344-95-2

SW10 Fibra-Cel 65-996-61-4

SECTION III PHYSICAL DATA

BOILING POINT: 195 F

SPECIFIC GRAVITY (H2O=1): 1.03

VAPOR PRESSURE (MM HG): 29 @ 68 F

MELTING POINT: N.A.

VAPOR DENSITY (AIR=1): 2.5

EVAPORATION RATE (Butyl Acetate=1): 1.5

WATER SOLUBILITY IN WATER: .86

APPEARANCE AND ODOR: Brown-Mild.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): 54 F ASTM D93-71

FLAMMABLE LIMITS

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PERFECT SEALING COMPOUND #4

LEL: 3.24 UEL: 20.6

EXTINGUISHING MEDIA:
CO2, Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Cans will rupture from extreme heat.

SECTION V REACTIVITY DATA

STABILITY:
Stable.

INCOMPATIBILITY (MATERIALS TO AVOID):
Hydrofluoric acid.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

ROUTE(S) OF ENTRY:
Inhalation, Skin.

HEALTH HAZARDS (ACUTE AND CHRONIC):

24% of this product contains 91% Isopropanol-effects of chronic over-exposure for Isopropanol 99% has been suggested as a cause of the following effects in humans: Kidney damage.

CARCINOGENICITY: No
NTP: N.A.
IARC MONOGRAPHS: N.A.
OSHA REGULATED: TLV

SIGNS AND SYMPTOMS OF EXPOSURE

EYES:
Blurred vision-skin irritation-breathing-headache-swallowing-vomiting.

EMERGENCY AND FIRST AID PROCEDURES:

If on skin, wash exposed area with soap and water .
If in eyes, flush with large amounts of water, get medical attention.
If breathing, if affected, remove individual to fresh air.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PERFECT SEALING COMPOUND #4

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all ignition sources. Build dike or dam to contain material. Add clays sand or vermiculate to material. Use a plastic scoop to pick up the material.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE):

Respiratory only if TLV of any component is exceeded.

VENTILATION

MECHANICAL (GENERAL):

To maintain exposure below TLVs

PROTECTIVE GLOVES:

Gloves

EYE PROTECTION:

Safety Glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Normal.

OTHER PRECAUTIONS:

Water may be used to cool closed containers to prevent build-up and explosion when exposed to extreme heat.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MALTBY 616-15A FAST PENETRANT

EPNG MSDS NO: 02110
PRODUCT ITEM NO: 0012138

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: MALTBY INT'L COMPANY
ADDRESS: 11132-0 FLEETWOOD ST

CITY: SUN VALLEY
STATE: CA ZIP: 91352

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA TRADE SECRET: N
MOLECULAR WEIGHT: NA TIER II REPORTABLE:

BOILING POINT: <0.0F EVAPORATION RATE: FAST THAN ETHER
MELTING POINT: NA VAPOR PRESSURE: NA
VISCOSITY: NA SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: HEAVY THAN AIR WATER SOLUBILITY: NA

FLASH POINT : < 20 F METHOD: TOC
AUTOIGNITION : NA LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: Y LIQUID: Y GAS: Y SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MALTBY 616-15A FAST PENETRANT

SECTION I MATERIAL IDENTIFICATION

PRODUCT CLASS (Aerosol): Lubricants

CODE IDENTIFICATION: 616-15A

TRADE NAME: 616-15A Fast Penetrant

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT	%	TLV PPM	LEL	CAS #
Propane Hydrocarbon Propellant	5%	1000	2.3	000074-98-6
Aerosol - Contents under pressure			55 +/- 5 PSIG	

SECTION III PHYSICAL DATA

BOILING RANGE: Propellant Below 0.0 F

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: Faster than Ether

*Propellants

% VOLATILE BY WEIGHT: 6

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: Propellant Below 20 F

LEL: See Section II

CONSUMER COMMODITY: ORM-D-AIR

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical or Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DO NOT spray near open flame. Keep at room temperature as exposure to direct sunlight or other heat may cause bursting.

SPECIAL FIRE FIGHTING PROCEDURES:

Water may be ineffective - water may be used to keep fire exposed containers cool.

SECTION V REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: DO NOT STORE ABOVE 120 F.

HAZARDOUS DECOMPOSITION PRODUCTS: By open flame: Carbon Monoxide, Carbon dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: (See section II)

EFFECTS OF OVEREXPOSURE: In a confined area vapors in high

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MALTBY 616-15A FAST PENETRANT

concentration are anesthetic. Irritant to skin and upper respiratory system. Overexposure may result in light-headedness, staggering gait, giddiness and possible nausea.

HARMFUL OR FATAL IF SWALLOWED.

CHRONIC: Reports have associated repeated and porlonged overexposure to solvents with permanent brain and nervous system damage.

EMERGENCY AND FIRST AID PROCEDURES:

BREATHING: Remove patient to fresh air.

EYES: Flush with water for at least 15 minutes.

SKIN: Wash with soap and water.

SWALLOWING: Call a physician immediately. DO NOT induce vomiting.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Remove all sources of ignition, ventilate avoid breathing vapors and remove with inert absorbent.

WASTE DISPOSAL METHOD:

DO NOT Incinerate - Dispose in accordance with federal, state and local regulations regarding pollution.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Avoid breathing of vapor or spray mist.

VENTILATION: Provide local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredients in section II below acceptable limit, and LEL in section IV below stated limit.

PROTECTIVE GLOVES: Recommended for prolonged or repeated contact.

EYE PROTECTION: For prolonged use in close quarters recommend safety glasses with unperforated sideshields.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

DO NOT store above 120 F. Keep at room temperature as exposure to direct sunlight or heat may cause bursting.

KEEP AWAY FROM CHILDREN

DO NOT puncture or incierate.

DO NOT spray near fire or open flame.

Communication of physical property, health, and safety information is a key factor in our product safety program. With this information you can better fulfill your obligation to educate exposed personnel in the proper handling techniques required to maintain safety in the workplace. Listed in this section is NPCA-HMIS Classification for this product.

HMIS CLASSIFICATION CODE

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MALTBY 616-15A FAST PENETRANT

HEALTH:
FLAMMABILITY:
REACTIVITY:
PERSONAL PROTECTION:

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED AND AS BEING ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALY ALTER THE COMPOSITION AND HAZARDS OF THE PRODUCT. SINCE CONDITONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SPRA-SOLVO OIL

EPNG MSDS NO: 00134
PRODUCT ITEM NO: 0012141

DATE ISSUED: 09/06/1978
LAST REVISED DATE: / /

MANUFACTURER

NAME: A.W. CHESTERTON COMPANY
ADDRESS: MIDDLESEX IND. PARK
ROUTE 93
CITY: STONEHAM
STATE: MS ZIP: 02180

EMERGENCY TELEPHONE: (617) 438-7013
24 HOUR TELEPHONE: (617) 438-7000

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: HEAVIER

EVAPORATION RATE: SLOWER
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 0.000
WATER SOLUBILITY: NA

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: Y SOLID:

REMARKS:

NON-FLAMMABLE COMPRESSED GAS

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SPRA-SOLVO OIL

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Mineral Spirits 10-20% 200 PPM 0.9%
Chlorinated Hydrocarbon 40-55 450 PPM

SECTION III PHYSICAL DATA

Vapor Density: Heavier
Evap. Rate: Slower
% Vol.: 70-80

SECTION IV FIRE AND EXPLOSION DATA

DOT Category: Compressed gas, N.O.S. Non-flammable compressed gas
Extinguishing Media: Foam, dry chemical, carbon dioxide.
Unusual Fire and Explosion Hazards: Aerosol cans, when heated, area a potential explosion hazard.
Special Fire Fighting Procedures: Use self contained breathing apparatus. Cool containers with water.

SECTION V REACTIVITY DATA

Stable
Incompatibility: Open flames, hot surfaces, strong oxidants
Hazardous Decomposition Products: Chlorine, hydrogen chloride, phosgene, carbon monoxide.

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure
Inhalation: Effects can range from dizziness, headaches to loss of consciousness.
Skin: Effects can range from dryness, irritation to dermatitis.
Ingestion: May be harmful or fatal.
Emergency and First Aid Procedures
Ingestion: Do not induce vomiting. Call physician.
Inhalation: Remove to fresh air. If breathing has stopped, apply artificial respiration. Call physician.
Skin: Wash with soap and water. Replenish skin oils with lotion.
Eyes: Flush with water for 15 minutes. See a physician if persists.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

If an unusually large number of aerosol cans are emptied, the area should be well ventilated. Workers should wear self contained breathing apparatus. Avoid ignition sources such as light switches. Pick up with absorbant material and transfer to suitable container for disposal. Check with Local, State and Federal regulations on the disposal of aerosol containers and petroleum lubricants.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SPRA-SOLVO OIL

N/A SECTION VIII SPECIAL PROTECTION INFORMATION

N/A SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

EPNG MSDS NO: 00726
PRODUCT ITEM NO: 0062205

DATE ISSUED: 08/01/1990
LAST REVISED DATE: / /

MANUFACTURER

NAME: OLYMPIA LABS, INC.
ADDRESS: 1491 LEE TREVINO
SUITE F
CITY: EL PASO,
STATE: TX ZIP: 79936

EMERGENCY TELEPHONE: (316) 524-5751
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

SECTION I MATERIAL IDENTIFICATION

CHEMICAL NAME:
1,1,1 Trichloroethane

CHEMICAL FORMULA:
C₂H₃Cl₃

MOLECULAR WEIGHT:
133.4

TRADE NAME:
Dysol
SYNONYMS:
Methyl Chloroform

DOT IDENTIFICATION NO.:
UN 2831

SECTION II INGREDIENTS AND HAZARDS

COMPONENTS/CHEM NAME	CAS#	% (WT) APPROX.	OSHA PEL
*1,1,1 trichloroethane	71-55-6	96.5	350 PPM
*1,4 Diethylene dioxide	123-91-1	< 3.0	
1,2 Butylene oxide	106-88-7	> 0.5	

The hazard information presented is based on tests conducted on this or similar mixtures.

* Denotes chemical subject to reporting requirements of Section 313 of Title III of the 1985 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR:
Clear, colorless liquid, mildly sweet odor.

SPECIFIC GRAVITY:
1.32 @ 25/25 C

BOILING POINT:
165 F (74C)

VAPOR DENSITY IN AIR (AIR=1):
4.6

VAPOR PRESSURE:
100 mm Hg @ 20 C

% VOLATILE BY VOLUME:

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

100

EVAPORATION RATE (ETHER=1):

0.4

SOLUBILITY IN WATER:

0.07 gm/100gm @ 25 C

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED):

None (TCC)

FLAMMABLE LIMITS IN AIR:

7.5 - 15.0% (vol) @ 25 C.

EXTINGUISHING MEDIA:

Water, foam, dry chemical, carbon dioxide (CO2)

NFPA HAZARD RATINGS

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

UNUSUAL FIRE AND EXPLOSION HAZARD:

Concentrated vapors can be ignited by high intensity ignition sources.

Firefighters should wear self-contained, positive-pressure breathing apparatus, due to thermal decomposition products, and avoid skin contact.

SECTION V REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

Avoid contact with open flame, electric arcs, or other hot surfaces which can cause thermal decomposition.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong alkalies, oxidizers, and reactive metals (i.e., aluminum, potassium, sodium, etc). Refer to Section IX for additional information on aluminum

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride, phosgene, chlorine.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

TOXICITY AND FIRST AID

EXPOSURE LIMITS (When exposure to this product and other chemicals is concurrent, the exposure limit must be defined in the workplace.)

1,1,1 trichloroethane ACGIH: 350 ppm TWA (8 hr), 450 ppm STEL
OSHA : 350 ppm TWA (8 hr), 450 ppm STEL

(Odor threshold approximately 100 ppm; causes olfactory fatigue)

Effects described in this section are believed not to occur if exposures are maintained at or below approximate TLV's. Because of the wide variation in individuals susceptibility, these exposure limits may not be applicable to all persons and those with medical conditions listed below.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Acute and chronic liver disease and rhythm disorders of the heart.

ACUTE TOXICITY/PRIMARY ROUTES OF EXPOSURE:

Inhalation, Skin Absorption.

INHALATION:

Major potential route of exposure. Minimal effects observed below 1000 ppm; dizziness, drowsiness, and throat irritation at levels above 1000ppm. Unconsciousness and death possible at levels above 10,000 ppm. Blood pressure depression, cardiac sensitization, and ventricular arrhythmia can result from the exposure to near-anesthetic levels. Studies in laboratory animals have shown 1,1,1 trichloroethane in aerosol form to be more acutely toxic than 1,1,1 trichloroethane vapor.

SKIN:

Prolonged or repeated skin contact can cause irritation, defatting of skin, and dermatitis. Absorption through intact skin is possible if contact with liquid is prolonged. 1,4 Diethylene dioxide as a pure substance is readily absorbed through intact skin.

EYES:

Liquid can cause slight temporary irritation with slight temporary corneal injury. Vapors can irritate eyes.

INGESTION:

Single dose toxicity is low to moderate. If vomiting occurs, 1,1,1 trichloroethane can be aspirated into the lungs, which can cause chemical pneumonia and systemic effects.

FIRST AID

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

INHALATION:

Remove to fresh air. If breathing has stopped, administer artificial respiration. Call a physician.

SKIN:

Remove contaminated clothing and shoes. Wash exposed area with soap and water. Wash contaminated clothing before reuse.

EYES:

Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

INGESTION:

DO NOT induce vomiting. Contact physician or emergency medical facility immediately.

NOTE TO PHYSICIAN:

Adrenalin should NEVER be given to persons overexposed to 1,1,1 trichloroethane.

CHRONIC TOXICITY

The findings of chronic toxic effects in laboratory animals may indicate toxicity to humans. Overexposure should be avoided, failure to do so could result in injury, illness or even death.

Chronic overexposures to 1,1,1 trichloroethane and this mixture have caused liver toxic effects in experimental animals.

Carcinogenicity: The available data indicates that 1,1,1 trichloroethane and this mixture are not carcinogenic in laboratory animals.

1,1,1 trichloroethane is not listed on the OSHA, IARC, or NTP carcinogen lists.

Reproductive Toxicity-Three studies have been performed on laboratory animals to evaluate the effects of 1,1,1 trichloroethane on reproduction and fetal development. Two of the three studies indicate no reproductive toxicity. The third study noted delays in normal development, but these delays did not affect later life.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate the area, ventilate, and avoid breathing vapors. Dike area to contain spill. If spill occurs indoors, turn off air conditioning and/or heating system, to prevent vapors from contaminating entire building. Clean up area (wear protective equipment-refer to Section VIII) by mopping or with absorbent material and place in closed container for disposal. Avoid contamination of ground and surface waters. DO NOT flush to sewer. Reportable Quantity (RQ) is 1000lbs.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

Notify National Response Center (800-424-8802) of uncontrolled spills in excess of RQ.

WASTE DISPOSAL METHOD:

Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state, or local disposal authorities for approved procedures.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Where vapor concentration exceeds or is likely to exceed 350 ppm, a NIOSH/MSHA approved organic vapor type respirator is acceptable. A NIOSH/MSHA approved self-contained breathing apparatus or air line respirator, with full face piece, is required for vapor concentrations above 1,000 ppm and for spills and/or emergencies. Follow any applicable respirator use standards or regulations.

VENTILATION:

DO NOT use in closed or confined space. Open doors and/or windows. Use ventilation to maintain exposure levels below 350 ppm.

SKIN PROTECTION:

Wear solvent-resistant gloves such as Vitron, polyvinyl alcohol, or equivalent. Solvent-resistant boots, apron, headgear and/or face-shield should be worn where splashing is possible.

EYE PROTECTION:

Wear safety glasses. Contact lenses should NOT be worn. Chemical goggles and/or face shields should be worn where splashing is possible.

HYGIENE:

Avoid contact with skin and avoid breathing vapors. DO NOT eat, drink, or smoke in work area. Wash hands prior to eating, drinking, or using restroom.

OTHER CONTROL MEASURES:

To determine exposure level(s), monitoring should be performed regularly. Safety shower and eyewash station should be available.

NOTE:

Protective equipment and clothing should be selected, used, and maintained according to applicable standards and regulations. For further information, contact the clothing or equipment manufacturer or the Vulcan Chemicals Technical Service department.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

STORAGE AND HANDLING PRECAUTIONS:

Follow protective controls set forth in Section VIII when handling

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

this product. Store labeled and sealed containers in a cool, dry, well-ventilated area. Prevent water or moist air from entering storage tanks or containers. DO NOT cut or weld on empty or full drums. Aluminum equipment should NOT be used for storage and/or transfer. Vapors are heavier than air and will collect in low areas. DO NOT enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276.

Contact with aluminum parts in a pressurizable fluid system may cause violent reactions. Consult equipment supplier for further information.

DO NOT remove or deface label. DO NOT reuse drum without recycling or reconditioning in accordance with any applicable federal, state or local laws.

SARA Title III Hazard Categories: Immediate Health, Delayed Health.

TRANSPORTATION

DOT HAZARD CLASSIFICATION:

None by land or water transportation when containers are less than 1000 lbs each. ORM-A-when containers are more than 1000lbs each or when transported by air in any size container.

PLACARD REQUIRED:

None.

LABEL REQUIRED:

Label as required by OSHA Hazard Communication Standard, and any applicable state and local regulations. Use Harmful label when transported by air.

MEDICAL EMERGENCIES:

Call collect 24 hours a day for emergency toxicological information:
(415) 821-5338

OTHER EMERGENCY INFORMATION:

(316) 524-5751 (24 hours)

DATE OF PREPARATION:

August 1, 1990

FOR ANY OTHER INFORMATION CONTACT:

Vulcan Chemicals

Technical Service Department

P.O. Box 530390

Birmingham, AL 35253-0390

800/873-4898

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DI-ELECTRIC SOLVENT DYSOL

8 AM to 5 PM Central Time
Monday through Friday

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LAVA INSTITUTIONAL PACK

EPNG MSDS NO: 01346
PRODUCT ITEM NO: 0012247

DATE ISSUED: 11/01/1985
LAST REVISED DATE: 04/10/1987

MANUFACTURER

NAME: PROCTER & GAMBLE
ADDRESS: P.O. BOX 599

CITY: CINCINNATI
STATE: OH ZIP: 45201

EMERGENCY TELEPHONE: (800) 543-4252
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LAVA INSTITUTIONAL PACK

SECTION I MATERIAL IDENTIFICATION

IDENTITY: Lava Institutional Pack

INGREDIENTS/CHEMICAL NAME: Soap, pumice, water, glycerine and minor ingredients.

SECTION II INGREDIENTS AND HAZARDS

HAZARDOUS INGREDIENTS AS DEFINED BY OSHA, 29 CFR 1910. 1200:

NOTE: THIS PRODUCT IS NOT "HAZARDOUS" WITHIN THE MEANING OF THE OSHA HAZARD COMMUNICATION STANDARD.

SECTION III PHYSICAL DATA

SOLUBILITY IN WATER: Moderate

SPECIFIC GRAVITY (H₂O=1): 1.18

PERCENT VOLATILE: 20%

APPEARANCE AND ODOR: Green gritty bar with light perfume.

SECTION IV FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: Use water, CO₂ or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE HAZARDS: None

SECTION V REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI HEALTH AND HAZARD INFORMATION

ROUTE(s) OF ENTRY: Eye contact, ingestion

HEALTH HAZARDS (acute and chronic): Mild eye irritant

SIGNS AND SYMPTOMS: Instillation into the eyes may result in slight, transient effects similar to those produced by other mild toilet soaps. Accidental ingestion may result in mild gastrointestinal irritation with nausea vomiting or diarrhea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES: Eye contact-Rinse thoroughly for at least 15 minutes. Ingestion - dilute with water or milk and treat symptomatically.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up and dispose

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LAVA INSTITUTIONAL PACK

WATER DISPOSAL METHOD: Dispose of as dry scrap or flush down sewer with large excess of water. If permitted dispose of large quantities at landfill. Disposal is to be performed in compliance with all regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION: MECHANICAL: Acceptable

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid moisture to prevent product loss.

OTHER PRECUATIONS: None

The submission of this MSDS may be required by law, but this is not an assertion that the substance is haardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NITROGEN

EPNG MSDS NO: 00015
PRODUCT ITEM NO: 0012283

DATE ISSUED: 10/01/1985
LAST REVISED DATE: 10/01/1985

MANUFACTURER

NAME: LIQUID AIR CORPORATION
ADDRESS: 1 CA PLAZA SUITE 350
2121 N. CALIF. BLVD.

CITY: WALNUT CREEK

STATE: CA ZIP: 94596

EMERGENCY TELEPHONE: (800)231-1366

24 HOUR TELEPHONE: (415)977-6500

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0

CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: N2

TRADE SECRET: N

MOLECULAR WEIGHT: 28.013

TIER II REPORTABLE:

BOILING POINT: -320.445F

EVAPORATION RATE: N/A

MELTING POINT: N/A

VAPOR PRESSURE: -146.95C

VISCOSITY: N/A

SPECIFIC GRAVITY: 0.970

VAPOR DENSITY: 1.1605 KG/M3

WATER SOLUBILITY: .01557

FLASH POINT : N/A

METHOD: N/A

AUTOIGNITION : N/A

LEL: N/A

UEL: N/A

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: Y SOLID:

REMARKS:

COLORLESS, ODORLESS GAS.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NITROGEN

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Time Weighted Average Exposure Limit: Nitrogen is defined as a simple asphyxiant. Oxygen levels should be maintained at greater than 18 molar percent at normal atmospheric pressure which is equivalent to a partial pressure of 135 mm Hg (ACGIH, 1984-85). Symptoms of Exposure: Effects of exposure to high concentrations so as to displace the oxygen in air necessary for life may include any, all or none of the following:

- * Loss of balance or dizziness;
- * Tightness in the frontal area of the forehead;
- * Tingling of the tongue, fingertips or toes;
- * Weakened speech leading to the inability to utter sounds;
- * Rapid reduction in the ability to perform movements;
- * Loss of tactile sensations;
- * Heightened mental activity.

It should be recognized that it is possible that none of the above symptoms may occur in nitrogen asphyxia so that there are no definite warning symptoms. Nitrogen can cause suffocation without warning.

* For additional information, refer to L'Air Liquide's Encyclopedia des Gaz.

Toxicological Properties: Nitrogen is nontoxic but the liberation of a large amount in a confined area could displace the amount of oxygen in air necessary to support life.

Listed as Carcinogen or Potential Carcinogen

National Toxicology Program - No

I.A.R.C. Monographs - No

OSHA - No

Recommended First Aid Treatment:

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO NITROGEN. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.

Inhalation: Conscious persons should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, given mouth-to-mouth resuscitation and supplemental oxygen. Medical assistance should be sought immediately.

SECTION III PHYSICAL DATA

Boiling Point: -320.445F (-195.803C)

Liquid Density at Boiling Point: 50.48 lb/ft³ (808.607 kg/m³)

Vapor Pressure: @ 70F (21.1C) above the critical temp. of -232.51F (-146.95C)

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NITROGEN

Gas Density at 70F 1 atm: .07245 lb/ft³ (1.1605 kg/m³)
Solubility in Water: @ 68F (20C) Bunsen coefficient = .01557
Freezing Point: -346.004F (-210.002C)
Appearance and Odor: Colorless, odorless gas. Specific gravity
@70F (Air = 1.0) is .97.

SECTION IV FIRE AND EXPLOSION DATA

Extinguishing Media: Nonflammable, inert gas
Electrical Classification: Nonhazardous

SECTION V REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

Same as Section Number: 02 / Ingredients and Hazards

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Steps to be taken in case Material is Released or Spilled:
Evacuate all personnel from affected area. Use appropriate
protective equipment. If leak is in container or container valve,
contact the closest Liquid Air Corporation location.
Waste Disposal Method: Do not attempt to dispose of waste or unused
quantities. Return in the shipping container properly labeled,
with any valve outlet plugs or caps secured and valve protection
cap in place to Liquid Air Corporation for proper disposal. For
emergency disposal, contact the closest Liquid Air Corporation
location.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: Positive pressure air line with mask or
self-contained breathing apparatus should be available for emergency
use.
Ventilation: See Local Exhaust.
Local Exhaust: To prevent accumulation of high concentrations so as
to reduce the oxygen level in the air to less than 18 molar percent.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

DOT Shipping Name: Nitrogen or Nitrogen, Compressed
DOT Shipping Label: Nonflammable gas
DOT Hazard Class: Nonflammable gas
I.D. No.: UN 1066

Special Handling Recommendations: Use only in well-ventilated areas.
Valve protection caps must remain in place unless container is
secured with valve outlet piped to use point. Do not drag, slide or
roll cylinders. Use a suitable hand truck for cylinder movement. Use
a pressure reducing regulator when connecting cylinder to lower

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NITROGEN

pressure (<3,000 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder.

Special Storage Recommendations: Protect cylinders from physical damage. Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130F (54C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated.

Use a "first in-first out" inventory system to prevent full cylinders being stored for excessive periods of time.

Special Packaging Recommendations: Nitrogen is noncorrosive and may be used with any common structural material.

Other Recommendations or Precautions: Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipment of a compressed gas cylinder which has not been filled by the owner or with his (written) consent is a violation of Federal Law (49CFR).

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1500 (AA)

EPNG MSDS NO: 00151
PRODUCT ITEM NO: 0062763

DATE ISSUED: 01/06/1989
LAST REVISED DATE: / /

MANUFACTURER

NAME: DURACELL USA
ADDRESS:

BERKSHIRE INDUS. PK.
CITY: BETHEL
STATE: CT ZIP: 06801

EMERGENCY TELEPHONE: (203) 796-4654
24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA EVAPORATION RATE: NA
MELTING POINT: NA VAPOR PRESSURE: NA
VISCOSITY: NA SPECIFIC GRAVITY: 2.000
VAPOR DENSITY: NA WATER SOLUBILITY: 50%

FLASH POINT : NA METHOD: NA
AUTOIGNITION : NA LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

CLEAR LIQUID, GREY POWDER, BLACK POWDER.

PRODUCT SYNONYMS

BATTERIES

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1500 (AA)

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Potassium Hydroxide	8%
Manganese Dioxide	37
Zinc	15
Mercury	<1

SECTION III PHYSICAL DATA

Sol. in Water: 50%
Spec. Gravity: 2.0
Appearance and Odor: Clear liquid, black powder, grey powder.

SECTION IV FIRE AND EXPLOSION DATA

Special Fire Fighting Procedures: Fire fighters should use self contained breathing apparatus when a large number of cells are involved in a fire.
Unusual Fire and Explosion Hazards: Cells may release toxic mercury vapor when the integrity of the cans is broken.

SECTION V REACTIVITY DATA

Stable
Conditions to Avoid: Do not heat, disassemble, or recharge.
Hazardous Composition or By-products: When heat, cells may emit hazardous vapors of Hg and caustic KOH.

SECTION VI HEALTH AND HAZARD INFORMATION

Routes of Entry: Inhalation, skin, ingestion
These chemicals are contained in a sealed can. Risk of exposure occurs only if the cell is mechanically or electrically abused. The most likely risk is acute exposure when a cell leaks. KOH is caustic and skin contact can cause burns. Eye contact with KOH may cause permanent injury.
Skin and eye contact with KOH may cause chemical burns. At elevated temperature, Hg vapor may be generated which should not be inhaled. If leakage from a cell contacts the skin, flush immediately with water. For eye contact; flush with copious amounts of water for 15 minutes and see physician at once. If vapor is inhaled, remove to fresh air.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Avoid skin and eye contact. Do not inhale vapors.
In small quantities, cells may be disposed of with household trash. Open cells in large quantities should be treated as a hazardous waste. Do not incinerate since cells may explode at excessive temperatures. Dispose in accordance with applicable regulations.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1500 (AA)

SECTION VIII SPECIAL PROTECTION INFORMATION

Avoid mechanical or electrical abuse. Use neoprene, rubber or latex nitrile gloves when handling leakers. Store at room temperature. Do not attempt to recharge. Install cells in accordance with equipment instructions. Do not dispose in fire. Replace all batteries in equipment at the same time. Do not mix battery systems such as alkaline and zinc carbon in same equipment. Do not carry batteries loose in pocket or bag.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1400 (C)

EPNG MSDS NO: 00150
PRODUCT ITEM NO: 00181661

DATE ISSUED: 01/06/1989
LAST REVISED DATE: / /

MANUFACTURER

NAME: DURACELL USA
ADDRESS:

BERKSHIRE INDUS. PK.

CITY: BETHEL

STATE: CT ZIP: 06801

EMERGENCY TELEPHONE: (203) 796-4654

24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: 360
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 2.000
WATER SOLUBILITY: 50%

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

CLEAR LIQUID, BLACK POWDER, GREY POWDER.

PRODUCT SYNONYMS

BATTERIES

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1400 (C)

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Potassium Hydroxide	8%
Manganese Dioxide	37
Zinc	15
Mercury	<1

SECTION III PHYSICAL DATA

Sol. in Water: 50
Spec. Gravity: 2.0
Melting Point: 360
Appearance and Odor: Clear liquid, black powder, grey powder

SECTION IV FIRE AND EXPLOSION DATA

Special Fire Fighting Procedures: Fire fighters should use self contained breathing apparatus when a large number of cells are involved in a fire.

Unusual Fire and Explosion Hazards: Cells may release toxic mercury vapor when the integrity of the cans is broken.

SECTION V REACTIVITY DATA

Stable
Conditions to Avoid: Do not heat, disassemble, or recharge.
Hazardous Composition or By-products: When heated, cells may emit hazardous vapors of Hg and caustic KOH.

SECTION VI HEALTH AND HAZARD INFORMATION

Routes of Entry: Inhalation, skin, ingestion
These chemicals are contained in a sealed can. Risk of exposure occurs only if the cell is mechanically or electrically abused. The most likely risk is acute exposure when a cell leaks. KOH is caustic and skin contact can cause burns. Eye contact with KOH may cause permanent injury.

Signs of Overexposure

Skin and eye contact with KOH may cause chemical burns. At elevated temperature, Hg vapor may be generated which should not be inhaled.

Medical Conditions Generally Aggravated by Exposure: An acute exposure will not generally aggravate any medical condition.

Emergency and First Aid Procedures: If leakage from a cell contacts the skin, flush immediately with water. For eye contact; flush with copious amounts of water for 15 minutes and see physician at once. If vapor is inhaled, remove to fresh air.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Avoid skin and eye contact. Do not inhale vapors.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1400 (C)

In small quantities, cells may be disposed of with household trash. Open cells in large quantities should be treated as a hazardous waste. Do not incinerate since cells may explode at excessive temperatures. Dispose in accordance with applicable regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Avoid mechanical or electrical abuse. Use neoprene, rubber or latex nitrile gloves when handling leakers. Store at room temperature. Do not attempt to recharge. Install cells in accordance with equipment instructions. Do not dispose in fire. Replace all batteries in equipment at the same time. Do not mix battery systems such as alkaline and zinc carbon in same equipment. Do not carry batteries loose in pocket or bag.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

EPNG MSDS NO: 01143
PRODUCT ITEM NO: 0057957

DATE ISSUED: 07/01/1987
LAST REVISED DATE: / /

MANUFACTURER

NAME: EVEREADY BATTERY CO INC
ADDRESS: CHECKERBOARD SQUARE

CITY: ST. LOUIS
STATE: MO ZIP: 63164

EMERGENCY TELEPHONE: (202)625-3333
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA:
MOLECULAR WEIGHT:

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

IMPORTANT NOTE: The Battery Container should not be opened or Incinerated since the following ingredients contained within could be harmful under some circumstances if exposed.

MATERIAL OF INGREDIENT	%	TLV (ACGIH)	PEL (OSHA)
Inganese Dioxide	18-50	5mg/m3 Ceiling (As Manganese)	5mg/m3 Ceiling (As Manganese)
Zinc Metal	5-22	10mg/m3	15mg/m3
Potassium Hydroxide	3-10	2mg/m3	2mg/m3
Carbon (Natural Graphite)	1-8	2.5 mg/m3	15 mppcf
Mercury	0.2-0.8	0.5mg/m3	0.1mg/m3 Ceiling

SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

In case of fire in an adjacent area, it is permissible to use any class of extinguishing medium on these batteries or their packing material.

See also Section V - Handling and Disposal precautions.

SECTION V REACTIVITY DATA

N/A

SECTION VI HEALTH AND HAZARD INFORMATION

EFFECTS OF SINGLE EXPOSURE TO CONTENTS:

SWALLOWING: Contenting may cause severe burns of the mouth, throat, and stomach with severe abdominal and chest pain, nausea, vomiting, diarrhea, chills, fevrr, muscle pain, dizziness, faintness, drowsi-ness, drowsiness, circulatory collapse and coma.

SKIN ABSORPTION: No evidence of adverse effects from available information.

INHALATION: Dusts or particles from contents may cause respiratory irritation.

SKIN CONTACT: Contents cause chemical burns, seen as marked local redness with swelling.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

EYE CONTACT: Content will cause severe irritation, seen as marked excess redness and swelling of the conjunctiva and chemical burns of the cornea.

EFFECTS OF REPEATED EXPOSURE TO CONTENTS:

Repeated exposure to battery contents may affect the central nervous system, with signs and symptoms indistinguishable from Parkinsonism, such as abnormal gait, mask-like face, apathy, loss of appetite, headache, sleepiness, weakness, fatigue, muscular twitching, clumsiness, speech difficulties, memory loss, swallowing difficulties, and urinary bladder disturbances.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO CONTENTS:

Because of its irritating properties, the contents may aggravate an existing dermatitis.

Breathing of dusts or particles from contents may aggravate asthma and inflammatory or fibrotic pulmonary disease.

Prolonged and repeated overexposure to contents may aggravate any existing neurological conditions.

EMERGENCY AND FIRST AID PROCEDURE:

SWALLOWING: Do not induce vomiting. Seek a medical attention immediately. (See Notes to physician below)

SKIN: Remove contaminated clothing. If the contents from an opened battery come in contact with the skin, wash thoroughly with soap and water. If irritation persists or contact has been prolonged, see a physician.

INHALATION: Remove to fresh air.

EYES: If the contents from an opened battery come in contact with the eyes, immediately flush eyes thoroughly with water and continue flushing for at least 15 minutes. Seek medical attention urgently.

NOTES TO PHYSICIAN:

Mediastinitis from perforated esophagus, or peritonitis from gastric perforation may occur. Aspirated alkaline material could produce severe lung damage. Due to the severely irritant nature of the material, gastric lavage should be carried out with caution.

Treatment of exposure should be directed at the control of symptoms and the clinical condition. Blood and urinary mercury levels may be

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

estimated as soon as possible after ingestion and subsequently thereafter if indicated by the clinical course of events. Chelation therapy may increase excretion of mercury and manganese. L-Dopa may improve the neurologic symptoms.

If ingestion of the battery is suspected, do not induce vomiting. Do not give any food or drink until foreign body has been identified.

Perform a radiographic study from the nasopharynx to the anus to identify location of the battery.

If the battery has lodged in the esophagus, immediate removal is indicated using the appropriate technique. The patient should be observed for signs or symptoms of esophageal perforation. In addition, the patient should be observed for signs or symptoms of stenosis, which most commonly occurs 2 or 3 weeks post-ingestion.

If the battery has passed through the esophagus, and is in the stomach or beyond, "watchful expectancy" is indicated. cathartics may be administered to hasten transit time.

Frequent X-rays are not necessary. It may take as long as 10 days for a battery to pass. A simple rule of thumb is to re-X-ray if the battery does not appear in the stool after three days, Examine all stools.

If the battery becomes lodged in the stomach or intestinal tract a cathartic and/or an enema may be indicated, plus observation for signs of perforation or obstruction. Instruct the family of possible obstructive symptoms or signs which they might observe in the patient. Test for occult blood. Have the family observe the patient's stools for signs of blood. The family can perform hemocult type testing for occult blood at home with test packages provided by a local laboratory.

All cases should be reported immediately to the National Battery Ingestion Hotline for advice and follow-up. The number is 202.625-3333; it is open 24 hours a day.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

N/A

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Not necessary under conditions of normal use

RESPIRATORY PROTECTION: Not necessary under conditions of normal use.

EYE: Not required under conditions of normal use.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

GLOVES: use neoprene or natural rubber gloves if handling an open or leaking battery.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

STORAGE: Safe stacking of battery cartons is no more than 60" high including the pallet and no more than 3 pallets high.

MECHANICAL CONTAINMENT: DO NOT SEAL THESE BATTERIES IN AIRTIGHT OR WATERTIGHT CONTAINER. Batteries normally evolve hydrogen which, when combined with oxygen from the air, can provide a combustible or explosive mixture unless vented. Short circuits, high temperatures or static sparks could then cause an ignition.

Full encapsulation (potting) of these batteries will prevent proper operation of safety vent, if internal pressure exceeds design limit, and can result in a high-pressure rupture.

HANDLING: Accidental short circuit for a few seconds will not seriously harm this battery. Avoid prolonged short circuit, however, since the battery will lose energy and, at high temperatures, can even rupture. The high temperature achievable under continuous short circuit can be a source of skin burns. Metal covered tables or metal belts used for assembly of batteries into devices can be the source of short circuits apply insulating material to assembly work surface.

If soldering or welding to the terminal or case of the battery is required, consult your Eveready Battery Company Representative for proper precautions to prevent seal damage or internal short circuit.

CHARGING: This battery is manufactured in a charged state. It is not designed for recharging. To do so may cause battery leakage or, in some cases, cell explosion.

LABELLING: if the normal EVEREADY label or package warnings are not visible, it is important to provide a package or device label stating:

WARNING: DO NOT DISPOSE IN FIRE, RECHARGE, PUT IN BACKWARDS, MIX WITH USED OR OTHER BATTERY TYPES--MAY EXPLODE, LEAK AND CAUSE PERSONAL INJURY.

Where accidental ingestion of small cells is possible, include the label-warning; KEEP AWAY FROM SMALL CHILDREN. IF SWALLOWED, PROMPTLY SEE DOCTOR; HAVE DOCTOR PHONE (202) 625-3333 COLLECT.

DISPOSAL: DO NOT INCINERATE or subject cells to temperature in excess 100C (212F). Such treatment can vaporize the liquid electrolyte and cause cell rupture.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

Bury in landfill in accordance with appropriate Federal, state and local regulations.

NOTICE: The information and recommendations set forth above are made in good faith and believed to be accurate as of the date of preparation. However, Eveready Battery Company, Inc, make no warranty, express or implied, with respect to this information and disclaims all liabilities from reliance on it.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1300 (D)

EPNG MSDS NO: 00149
PRODUCT ITEM NO: 0018667

DATE ISSUED: 01/06/1989
LAST REVISED DATE: / /

MANUFACTURER

NAME: DURACELL USA

ADDRESS:

BERKSHIRE INDUS. PK.

CITY: BETHEL

EMERGENCY TELEPHONE: (203) 796-4654

STATE: CN ZIP: 06801

24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 2.000
WATER SOLUBILITY: 50%

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

CLEAR LIQUID, BLACK POWDER, GREY POWDER

PRODUCT SYNONYMS

BATTERIES

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1300 (D)

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Potassium Hydroxide	8%
Manganese Dioxide	37
Zinc	15
Mercury	1

SECTION III PHYSICAL DATA

Sol. in Water: 50%
Spec. Gravity: 2.0
Appearance and Odor: Clear liquid, black powder, grey powder

SECTION IV FIRE AND EXPLOSION DATA

Special Fire Fighting Procedures:
Fire fighters should use self contained breathing apparatus when a large number of cells are involved in a fire.
Unusual Fire and Explosion Hazards: Cells may release toxic mercury vapor when the integrity of the cans is broken.

SECTION V REACTIVITY DATA

Stable
Conditions to Avoid: Do not heat, disassemble, or recharge
Hazardous Composition or By-products: When heated, cells may emit hazardous vapors of Hg and caustic KOH.

SECTION VI HEALTH AND HAZARD INFORMATION

Routes of Entry: Inhalation, skin, ingestion
These chemicals are contained in a sealed can. Risk of exposure occurs only if the cell is mechanically or electrically abused. The most likely risk is acute exposure when a cell leaks. KOH is caustic and skin contact can cause burns. Eye contact with KOH may cause permanent injury.
Signs of Overexposure
Skin and eye contact with KOH may cause chemical burns. At elevated temperature, Hg vapor may be generated which should not be inhaled.
Medical Conditions Generally Aggravated by Exposure:
An acute exposure will not generally aggravate any medical condition. If leakage from a cell contacts the skin, flush immediately with water. For eye contact, flush with copious amounts of water for 15 minutes and see physician at once. If vapor is inhaled, remove to fresh air.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Avoid skin and eye contact. Do not inhale vapors.
In small quantities, cells may be disposed of with household trash.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALKALINE MANGANESE DIOXIDE CELL MN1300 (D)

Open cells in large quantities should be treated as a hazardous waste. Do not incinerate since cells may explode at excessive temperatures. Dispose in accordance with applicable regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Avoid mechanical or electrical abuse. Use neoprene, rubber or latex nitrile gloves when handling leakers. Store at room temperature. Do not attempt to recharge. Install cells in accordance with equipment instructions. Do not dispose in fire. Replace all batteries in equipment at the same time. Do not mix battery systems such as alkaline and zinc carbon in same equipment. Do not carry batteries loose in pocket or bag.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FEL-PRO C-102

EPNG MSDS NO: 00864
PRODUCT ITEM NO: 0040375

DATE ISSUED: 01/19/1987
LAST REVISED DATE: / /

MANUFACTURER

NAME: FEL-PRO INCORPORATED
ADDRESS: 7450 N. MCCORMIC BLV

CITY: SKOKIE,
STATE: IL ZIP: 60076

EMERGENCY TELEPHONE: (312)674-7700
24 HOUR TELEPHONE: (312)761-4500

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: > 400F
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: NEGLIGIBLE
SPECIFIC GRAVITY: 1.140
WATER SOLUBILITY: NEGLIGIBLE

FLASH POINT : 310 F
AUTOIGNITION : NA

METHOD: ASTM D92-57 (C.O.C.)
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FEL-PRO C-102

SECTION I MATERIAL IDENTIFICATION

TRADE NAME AND SYNONYMS: FEL-PRO C-102

CHEMICAL NAME: Mixture

CHEMICAL FAMILY: Mixture

SECTION II INGREDIENTS AND HAZARDS

This material is composed of calcium flouride and graphite flakes suspended in a mineral oil base, and contains no ingredients considered hazardous per U.S. Department of Labor OSHA criteria re: 29 CFR 1910.1200 Hazard communications Law.

SECTION III PHYSICAL DATA

BOILING POINT(F)@ 760 mmHg: >400 F

SPECIFIC GRAVITY (H2O=1): 1.14

VAPOR PRESSURE (mmHg): Negligible

% VOLATILE BY VOLUME: Negligible

VAPOR DENSITY (AIR=1): Negligible

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Black paste, Slight petrolatum odor.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (Method Used): 440F ASTM D92-57 (C.O.C.)

EXTINGUISHING MEDIA:

Use dry chemicals, foam, CO2, or water fog

SPECIAL FIRE FIGHTING PROCEDURES:

Use above extinguishing media. Do not direct water directly into fire.

Use eye protection. Wear self-contained breathing apparatus when fire fighting in confined areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Pyrolysis may result in hydrofluoric acid fumes.

Except as noted above, same as for petroleum grease fires.

SECTION V REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (Materials to Avoid):

Strong mineral acids and oxidizers (i.e., nitric acid, peroxides, permanganates, etc.)

HAZARDOUS DECOMPOSITION PRODUCTS:

Pyrolysis yields CO, CO2, HF and incompletely burned hydrocarbons.

HAZARDOUS POLYMERIZATION:

Will not occur

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FEL-PRO C-102

SECTION VI HEALTH AND HAZARD INFORMATION
HEALTH HAZARDOUS (ACUTE AND CHRONIC)

No acute or chronic health hazards known.

EMERGENCY AND FIRST AID PROCEDURES:

For eye contact - flush with tepid water 15 minutes, holding eyelids apart. DO not rub eyes. Seek medical attention. Ingestion-Large amounts may result in diarrhea. Get medical attention; treat symptomatically.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES
PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Scoop up, wipe up with rags or use absorbent material. Complete clean-up using detergent and water, or high flash point solvent or chlorinated solvent cleaner with adequate ventilation.

WASTE DISPOSAL METHOD: Use controlled incineration or bury in a posted landfill in accordance with Federal, State and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required

VENTILATION LOCAL EXHAUST: Acceptable
MECHANICAL: Acceptable

PROTECTIVE GLOVES: None required

OTHER PROTECTIVE EQUIPMENT: None required

EYE PROTECTION: Sufficient to prevent contact.

WORK/HYGIENIC PRACTICES: No special work or hygienic practices required.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Use normal storage and handling. DO NOT expose to high heat, open flames or strong oxidizers.

OTHER PRECAUTIONS: Contains hydrocarbons - DO NOT use in oxygen

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FEL-PRO C-102

service. Keep out of reach of children.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SILITE RTV SILICONE-CLEAR, WHITE, HIGH TEMP RED.

EPNG MSDS NO: 00728
PRODUCT ITEM NO: 0040383

DATE ISSUED: / /
LAST REVISED DATE: 07/01/1986

MANUFACTURER

NAME: DEVCON CORPORATION
ADDRESS: 30 ENDICOTT ST.

CITY: DANVERS,
STATE: ZIP: 01923

EMERGENCY TELEPHONE: (617) 777-1100
24 HOUR TELEPHONE: (617) 777-1100

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SILITE RTV SILICONE-CLEAR, WHITE, HIGH TEMP RED.

SECTION I MATERIAL IDENTIFICATION

TRADE NAME: Silite RTV Silicone-Clear, White, High Temp. Red

HMIS:

Health=1

Flammability=1

Reactivity=1

CHEMICAL FAMILY: Silicone

SECTION II INGREDIENTS AND HAZARDS

INGREDIENTS	CAS#	%	NATURE OF HAZARD
Acetoxysilane	Not issued	5%	Eye & skin irritant

(Not on Massachusetts Substance List)

SECTION III PHYSICAL DATA

BOILING POINT (F): > 300

VAPOR DENSITY (AIR=1): > 1

EVAPORATION RATE (BuAc=1): < 1

MELTING POINT (F): N.A.

SPECIFIC GRAVITY: 1.05

SOLUBILITY IN WATER: Negligible

VAPOR PRESSURE (MM HG) @ 77 F: < 5

PERCENT VOLATILE BY VOLUME (%): < 5

PH (5 WT % IN H2O): 3-4

APPEARANCE AND ODOR: White, clear or red paste; odor of acetic acid.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (F) (METHOD USED): > 250 (TPC)

FLAMMABLE LIMITS IN AIR LEL: N.A. UEL: N.A.

EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam, Water Fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SILITE RTV SILICONE-CLEAR, WHITE, HIGH TEMP RED.

SECTION V REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

Air or moisture causes acetic acid vapors to form.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Not applicable.

SECTION VI HEALTH AND HAZARD INFORMATION

EMERGENCY AND FIRST AID PROCEDURES

EYES:

Flush with water for 15 minutes. Obtain medical attention.

SKIN:

Wipe off and flush with water.

INGESTION:

Obtain immediate medical attention.

INHALATION:

Remove to fresh air. Obtain immediate medical attention.

THRESHOLD LIMIT VALUE:

10 ppm (Acetic Acid*)

ORAL LD 50 (RAT):

3310 mg/kg

DERMAL LD50 (RABBIT):

1060 mg/kg

INHALATION LC50 (RAT):

> 15,000 ppm

All data for acetic acid.

* Acetic acid is generated during the curing process.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SILITE RTV SILICONE-CLEAR, WHITE, HIGH TEMP RED.

ROUTE OF EXPOSURE ACUTE

EYES:

Mild irritation

SKIN:

Possible irritation

INHALATION:

Respiratory toxicant.

CHRONIC:

No data

CARCINOGENICITY

NTP? No ACGIH? No IARC Monographs? No OSHA regulated? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None reported.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Scrape up excess. Apply absorbent.

WASTE DISPOSAL METHOD:

Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

EYES:

Safety glasses with side shields.

SKIN:

Wear protective clothing.

INHALATION:

Use respiratory protection unless ventilation is adequate. Use acid gas organic vapor type.

VENTILATION:

Use sufficient ventilation to maintain exposure levels with TLV guidelines.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING, STORING, ETC:

Store below 90 F.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made to the information contained herein.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NR.390 CUTTING OIL (AEROSOL)

EPNG MSDS NO: 00534
PRODUCT ITEM NO: 0040483

DATE ISSUED: 06/01/1985
LAST REVISED DATE: / /

MANUFACTURER

NAME: A.W. CHESTERTON COMPANY
ADDRESS: MIDDLESEX INDUSTRIAL
PARK

CITY: STONEHAM, EMERGENCY TELEPHONE: (617) 438-7000
STATE: MA ZIP: 02180 24 HOUR TELEPHONE: (617) 438-7013

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NR.390 CUTTING OIL (AEROSOL)

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NR.390 CUTTING OIL (AEROSOL)

SECTION I MATERIAL IDENTIFICATION

DATE OF PREP. June 1, 1985

MSDS NO.: 114A-1

PRODUCT NAME: Nr 390 Cutting Oil (Aerosol)

NFPA HAZARD RATING

4= Extreme

3= High

2= Moderate

1= Slight

0= Insignificant

*= Chronic Health Hazard

FLAMMABILITY:1, HEALTH:1, REACTIVITY: 1

SECTION II		INGREDIENTS AND HAZARDS		VAPOR PRESSURE
INGRED/HAZARDS		CAS#	%	
Isobutane		75-28-5	1-5	1000ppm
PEL: 1000ppm	1800 mg/m3			1800 mg/m3
Propane		74-98-6		--
PEL: 1000ppm	1800 mg/m3			

*Simple Asphyxiant

No TLV

SECTION III PHYSICAL DATA

INITIAL BOILING POINT ABOVE 200 C (392 F)

PERCENT VOLATILE (by volume): 15

VAPOR DENSITY (Air=1): >1

EVAPORATION RATE (Ether=1): <1

WEIGHT PER GALLON: 7.6 lbs. (0.9 kg/l)

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT ABOVE 170 C (340 F) LEL --

Open Cup, Product Only

DOT CLASSIFICATION: Compressed Gas, n.o.s., Flammable Gas

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NR.390 CUTTING OIL (AEROSOL)

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Thermal decomposition can produce chlorides. SOx and other toxic fumes. Pressurized containers when heated are an explosive hazard.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus. Cool exposed containers with water.

SECTION V REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Open flames and red hot surfaces.

HAZARDOUS DECOMPOSITION PRODUCTS:

Chlorides, SOx and other toxic fumes

MATERIALS TO AVOID: Strong oxidizers like liquid chlorine and concentrated oxygen.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: N/A

PRIMARY ROUTE OF EXPOSURE UNDER NORMAL USE: Skin Contact.

ACUTE EFFECTS FROM OVEREXPOSURE: None

CHRONIC EFFECTS FROM OVEREXPOSURE: Repeated or prolonged skin contact may cause mild irritation.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: N/A

EYE/SKIN CONTACT: Wash skin with soap and water. Flush eyes with water for at least 15 minutes after contact. Consult physician.

INGESTION: N/A

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Contain spill to a small area. Pick up with absorbent material and transfer to a suitable container for disposal. Keep out of sewers, streams and waterways.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NR.390 CUTTING OIL (AEROSOL)

WASTE DISPOSAL MATERIAL:

Incinerate absorbed material. DO NOT incinerate sealed containers. Bury containers in an approved area. Check local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not normally needed.

PROTECTIVE GLOVES: Not normally needed.

EYE PROTECTION: Safety glasses.

VENTILATION: Room ventilation is usually adequate.

OTHER: None.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

GENERAL USE AND PRECAUTIONARY INFORMATION:

This is a petroleum base product with a flash point above 170 C (340 F). The principal hazard with this product, as with any other petroleum of this type, is the smoke and fumes produced if it is used for heavy operations. Care should be taken to avoid excessive inhalation of these by-products.

PRECAUTIONS IN HANDLING AND STORING:

DO NOT store in direct sunlight or above 49 C (120 F).

OTHER PRECAUTIONS: None.

The information contained herein is based on data provided from suppliers of the materials and not on the mixture itself, and is believed to be correct. However, no warranty is expressed or implied regarding the accuracy of the data. Since the information contained herein may be applied under conditions beyond our control, the persons receiving it shall make their own determination of the suitability of the product for their particular purpose.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL BLUE 420-B-18R PAINT

EPNG MSDS NO: 01008
PRODUCT ITEM NO: 0046095

DATE ISSUED: 03/10/1988
LAST REVISED DATE: / /

MANUFACTURER

NAME: VALSPAR CORPORATION
ADDRESS: 1101 3RD STREET S.

CITY: MINNEAPOLIS,
STATE: MN ZIP: 55415

EMERGENCY TELEPHONE: (800)228-5635
24 HOUR TELEPHONE: (612)332-7371

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: 420B18R-108-A-O2
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 315 F
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 4.8

EVAPORATION RATE: .13
VAPOR PRESSURE: 5.0
SPECIFIC GRAVITY: 0.990
WATER SOLUBILITY: NO

FLASH POINT : 101
AUTOIGNITION : NA

METHOD: NA
LEL: 0.80 UEL: 19.00

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL BLUE 420-B-18R PAINT

SECTION I MATERIAL IDENTIFICATION

CHEMICAL NAME OR FAMILY: Paint Product

FORMULA: 420B18R-108-A-O2

TRADE NAME: 37 420B18R 420B18

SECTION II INGREDIENTS AND HAZARDS

NAME	APPROX WT%	RECM LEVEL	TLV	PEL
VM & PNAPHTHA CAS# 8032-32-4	50%	Not Est.	300.00 (1)	Not Est.
TITANIUM DIOXIDE CAS# 13463-67-7	10%	Not Est.	10.00 (2)	15.00 (2)

LEAD (As PB) is less than 1 percent

(1) = PPM

(2) = MG CU M

SECTION III PHYSICAL DATA

BOILING POINT: 315 F

VAPOR PRESSURE MM HG @ 77 F: 5.0

VAPOR DENSITY (Air=1): 4.80

SPECIFIC GRAVITY: 0.99

% VOLATILE BY VOLUME: 62.68

EVAPORATION RATE (Butyl Acetate=1): .13

SOLUBILITY IN WATER: No

APPEARANCE AND ODOR: Normal for a coatings product.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT TCC/PM DEG F: 101

LOWER EXPLOSIVE LIMIT: 0.80

UPPER EXPLOSIVE LIMIT: 19.00

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Containers oxidizing materials, contaminated rags, wipes, sawdust, etc May catch fire spontaneously. Store waste under water in closed metal

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL BLUE 420-B-18R PAINT

containers until disposed of in compliance with all applicable regulations.

SECTION V REACTIVITY DATA

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide/Monoxide

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: Not required for mixture.

EFFECTS OF OVEREXPOSURE

IMMEDIATE EFFECTS (ACUTE):

Harmful if inhaled. May affect the brain, nervous system or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

Overexposure to ingredients in this product may cause nose and throat irritation, eye irritation, skin irritation.

DELAYED EFFECTS (CHRONIC):

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberate concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Any respiratory or skin condition.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove person from exposure area. If breathing has stopped, use mouth-to-mouth resuscitation and get medical attention.

EYE CONTACT: Flush with water for 15 minutes.

SKIN CONTACT: Wash with soap and water.

POSSIBLE ROUTES OF ENTRY:

Inhalation, Ingestion, Skin Absorption.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Ventilate area. Avoid breathing of vapors. Use self-contained breathing apparatus or air masks for large spills in a confined area. Wipe up or absorb on suitable material and shovel up. Avoid contact with eyes.

WASTE DISPOSAL METHOD:

Dispose in chemical disposal area or in a manner that complies with local, state, and federal regulations. Do not incinerate closed

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL BLUE 420-B-18R PAINT

containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Wear appropriate, properly fitted respirator (NIOSH/MSHA APPROVED) during and after application unless air monitoring vapor/mist levels are below applicable limits. Follow respirator manufacturers directions for respirator use.

VENTILATION:

Required for spraying or in a confined area, ventilation equipment should be explosion proof.

PROTECTIVE GLOVES: Usual hand protection for paint application.

EYE PROTECTION: Usual eye protection for applying paint.

OTHER PROTECTIVE EQUIPMENT: Usual clothing for painting operations.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Keep away from heat, sparks and open flame. Keep container closed when not in use. Do not store above 120 F. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been cleaned or reconditioned

ABBREVIATIONS USED:

OSHA - Occupational Safety and Health Administration;

IARC - International Agency for Research on Cancer;

LEL - LOWER EXPLOSIVE LIMITS;

UEL - UPPER EXPLOSIVE LIMITS;

MG CU M - MILLIGRAMS PER METERS CUBED;

MM- MILLIMETERS;

MPPCF - MILLIONS OF PARTICLES PER CUBIC FOOT;

MSHA - MINE SAFETY AND HEALTH

DISCLAIMER

The furnishing of the information contained herein does not constitute a representation by Valspar that any product or process is free from patent infringement claims of any third party or does it constitute the granting of a license under any patent of Valspar or any third party. Valspar assumes no liability for any infringement which may arise out of the use of the product. Valspar warrants that its products meet the specifications which it sets for them. Valspar disclaims all other warranties relating to the products, and disclaims all warranties relating to their application, express or implied. Including but not limited to warranties of merchantability and fitness for the terms of this warranty, contrary provisions of purchase orders notwithstanding. In the event that Valspar finds that the products

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL BLUE 420-B-18R PAINT

delivered are off-specification, Valspar will, at its sole discretion either replace the products or refund the purchase price thereof, and Valspars choice of one of these remedies shall be buyers sole remedy. Valspar will under no circumstances be liable for consequential damages, except insofar as a liability is mandated by law. Valspar will deliver products at agreed times insofar as it is reasonably able to do so, but Valspar shall not be liable for failure to deliver on time when the failure is beyond its reasonable control.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

EPNG MSDS NO: 01007
PRODUCT ITEM NO: 0040494

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: C & G SUPPLY
ADDRESS: 862 INDUSTRIAL

CITY: ELMHURST
STATE: IL ZIP: 60126

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 315 F
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 4.8

EVAPORATION RATE: .13
VAPOR PRESSURE: 5.0
SPECIFIC GRAVITY: 0.990
WATER SOLUBILITY: NO

FLASH POINT : 101 F
AUTOIGNITION : NA

METHOD: NA
LEL: 0.80 UEL: 19.00

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

SECTION I MATERIAL IDENTIFICATION

PRODUCT NAME: 38 0000490 EPNG 700 - S458 - 100

PRODUCT CLASS: Urethane

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT	CAS#	WT%	PEL	PPM	TLV	@ 68'
MINERAL SPIRITS	008032-32-4	40%	300		100	2.0
KAOLIN	001332-58-7	5	10**		10**	NA
TITANIUM DIOXIDE	013463-67-7	5	10**		10**	NA

** MG/M3

NE = NOT ESTABLISHED NA = NOT APPLICABLE NK = NOT KNOWN

SECTION III PHYSICAL DATA

BOILING RANGE: 315 - 385 F

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: Slower than ether

% VOLATILE BY VOLUME: 54

WT. PER GALLON: 9.22 lbs.

APPEARANCE AND ODOR: Lt. Gray Liquid with solvent odor.

SECTION IV FIRE AND EXPLOSION DATA

FLAMMABILITY CLASSIFICATION: OSHA Combustible liquid - Class II DOT:
Combustible liquid

FLASH POINT: 100 F

LEL: 1.0

EXTINGUISHING MEDIA: Regular Foam, Carbon dioxide, Water Fog or Dry
Chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Keep away from heat, sparks and open flame. Closed containers may explode (Due to build-up of steam pressure) when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus with full face piece operated under positive pressure. Water may be used to cool containers to prevent pressure build-up and pressure explosion when exposed to extreme heat.

SECTION V REACTIVITY DATA

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide/dioxide, various hydrocarbon compounds.

CONDITIONS TO AVOID:

High temperatures, hot surfaces, electirc arcs.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents (E.G. nitric acid, permanganates, etc.)

SECTION VI HEALTH AND HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL: See Hazardous Ingredients section.

THRESHOLD LIMIT VALUE: See Hazardous Ingredients section.

EFFECTS OF OVEREXPOSURE

ACUTE:

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation and dermatitis.

BREATHING: Can cause nasal and respiratory irritation, dizziness, and nausea. Aspiration into the lungs can cause chemical pneumonitis, which can be fatal.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Intentional misuse by deliberately concentrating and inhaling the vapors may be harmful or fatal.

CHRONIC EXPOSURE:

Solvents have been reported to cause permanent brain and nervous system damage with possible live and kidney damage. Respiratory and skin sensitization.

MEDIAL CONDITIONS PRONE TO AGGRIVATION BY EXPOSURE:

Dermatitis, allergic responsees, diseases of skin and lungs.

PRIMARY ROUTE(S) OF ENTRY: Dermal; Inhalation; Ingestion

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: Wash with soap and water.

EYES: Flush immeidately with water for 15 minutes. Get medical

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

attention immediately.

INHALATION: If affected by vapors or spray mist, remove to fresh air. If in a coma or breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. In either case get medical attention immediately. Keep person warm and quiet.

INGESTION: Do not induce vomiting, get medical attention immediately. Remove contaminated clothing and shoes

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Contain spill. Soak up with rags, sand, floor absorbent. Eliminate all sources of ignition (flame, sparks, etc.), exclude from area persons without protective equipment. Use non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with federal, state, and local regulations. Use licensed hazardous waste disposal company.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If PEL or TLV is exceeded, use NIOSH/MSHA respirator TC23C or equivalent.

VENTILATION: Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure below PEL or TLV. Follow OSHA 29CFR Part 1910.94.

PROTECTIVE GLOVES: Neoprene or nitrile rubber

EYE PROTECTION: Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT: To prevent repeated or prolonged contact, wear impervious clothing and boots. Use protective cream if skin contact is likely.

HYGENIC PRACTICES: Wash hands before eating or smoking. Do not consume food or beverage while using this product.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Store away from heat, sparks, and flame. Keep container tightly closed

OTHER PRECAUTIONS: Do not reuse container. Empty containers may contain hazardous residue. Keep away from heat, sparks and flame. Do not cut, puncture or weld on or near container. Prevent breathing of vapor or spray mist.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with manufacturer or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

EPNG MSDS NO: 01007
PRODUCT ITEM NO: 0040494

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: C & G SUPPLY
ADDRESS: 862 INDUSTRIAL

CITY: ELMHURST
STATE: IL ZIP: 60126

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 315 F
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 4.8

EVAPORATION RATE: .13
VAPOR PRESSURE: 5.0
SPECIFIC GRAVITY: 0.990
WATER SOLUBILITY: NO

FLASH POINT : 101 F
AUTOIGNITION : NA

METHOD: NA
LEL: 0.80 UEL: 19.00

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

SECTION I MATERIAL IDENTIFICATION

PRODUCT NAME: 38 0000490 EPNG 700 - S458 - 100

PRODUCT CLASS: Urethane

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT	CAS#	WT%	PEL	PPM	TLV	@ 68'
MINERAL SPIRITS	008032-32-4	40%	300		100	2.0
KAOLIN	001332-58-7	5	10**		10**	NA
TITANIUM DIOXIDE	013463-67-7	5	10**		10**	NA

** MG/M3

NE = NOT ESTABLISHED NA = NOT APPLICABLE NK = NOT KNOWN

SECTION III PHYSICAL DATA

BOILING RANGE: 315 - 385 F

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: Slower than ether

% VOLATILE BY VOLUME: 54

WT. PER GALLON: 9.22 lbs.

APPEARANCE AND ODOR: Lt. Gray Liquid with solvent odor.

SECTION IV FIRE AND EXPLOSION DATA

FLAMMABILITY CLASSIFICATION: OSHA Combustible liquid - Class II DOT:
Combustible liquid

FLASH POINT: 100 F

LEL: 1.0

EXTINGUISHING MEDIA: Regular Foam, Carbon dioxide, Water Fog or Dry
Chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Keep away from heat, sparks and open flame. Closed containers may explode (Due to build-up of steam pressure) when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus with full face piece operated under positive pressure. Water may be used to cool containers to prevent pressure build-up and pressure explosion when exposed to extreme heat.

SECTION V REACTIVITY DATA

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide/dioxide, various hydrocarbon compounds.

CONDITIONS TO AVOID:

High temperatures, hot surfaces, electric arcs.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents (E.G. nitric acid, permanganates, etc.)

SECTION VI HEALTH AND HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL: See Hazardous Ingredients section.

THRESHOLD LIMIT VALUE: See Hazardous Ingredients section.

EFFECTS OF OVEREXPOSURE

ACUTE:

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation and dermatitis.

BREATHING: Can cause nasal and respiratory irritation, dizziness, and nausea. Aspiration into the lungs can cause chemical pneumonitis, which can be fatal.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Intentional misuse by deliberately concentrating and inhaling the vapors may be harmful or fatal.

CHRONIC EXPOSURE:

Solvents have been reported to cause permanent brain and nervous system damage with possible liver and kidney damage. Respiratory and skin sensitization.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Dermatitis, allergic responses, diseases of skin and lungs.

PRIMARY ROUTE(S) OF ENTRY: Dermal; Inhalation; Ingestion

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: Wash with soap and water.

EYES: Flush immediately with water for 15 minutes. Get medical

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

attention immediately.

INHALATION: If affected by vapors or spray mist, remove to fresh air. If in a coma or breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. In either case get medical attention immediately. Keep person warm and quiet.

INGESTION: Do not induce vomiting, get medical attention immediately. Remove contaminated clothing and shoes

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Contain spill. Soak up with rags, sand, floor absorbent. Eliminate all sources of ignition (flame, sparks, etc.), exclude from area persons without protective equipment. Use non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with federal, state, and local regulations. Use licensed hazardous waste disposal company.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If PEL or TLV is exceeded, use NIOSH/MSHA respirator TC23C or equivalent.

VENTILATION: Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure below PEL or TLV. Follow OSHA 29CFR Part 1910.94.

PROTECTIVE GLOVES: Neoprene or nitrile rubber

EYE PROTECTION: Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT: To prevent repeated or prolonged contact, wear impervious clothing and boots. Use protective cream if skin contact is likely.

HYGENIC PRACTICES: Wash hands before eating or smoking. Do not consume food or beverage while using this product.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Store away from heat, sparks, and flame. Keep container tightly closed

OTHER PRECAUTIONS: Do not reuse container. Empty containers may contain hazardous residue. Keep away from heat, sparks and flame. Do not cut, puncture or weld on or near container. Prevent breathing of vapor or spray mist.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPNG 700 - S458 - 100 (FLOOR PAINT - LIGHT GRAY)

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with manufacturer or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL ORANGE PAINT

EPNG MSDS NO: 00101
PRODUCT ITEM NO: 0040498

DATE ISSUED: 09/08/1986
LAST REVISED DATE: / /

MANUFACTURER

NAME: VALSPAR CORPORATION
ADDRESS:

1101 3RD ST. SOUTH
CITY: MINNEAPOLIS
STATE: MN ZIP: 55415

EMERGENCY TELEPHONE: (800)228-5635
24 HOUR TELEPHONE: (612)332-7371

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 319
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 5.48

EVAPORATION RATE: .10
VAPOR PRESSURE: 1.5
SPECIFIC GRAVITY: 1.120
WATER SOLUBILITY: NO

FLASH POINT : 109
AUTOIGNITION : NA

METHOD: NA
LEL: .80 UEL: 7.10

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

NORMAL FOR A COATINGS PRODUCT.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL ORANGE PAINT

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Mineral Spirits:8032-32-4	35%	100.00	TLV
Naphtha:8032-32-4	5	100.00	
Lead Chromate Pigment:12656-85-8	10	0.05	0.05 PEL
Titanium Dioxide:13463-67-7	1	10.00	15.00
Lead Chromate Pigment:1344-37-2	10	0.05	0.05
Butyl Cellosolve:111-76-2	1	25.00	50.00

SECTION III PHYSICAL DATA

Boiling Point: 319 .
Vapor Pressure: 1.5
Vapor Density: 5.48
Spec. Gravity: 1.12
% Vol. by Vol.: 59.41
Evap. Rate: .10
Appearance and Odor: Normal for a coatings product.

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 109
LEL: 0.80
UEL: 7.10
Extinguishing Media: Carbon dioxide, dry chemical, foam, and/or water fog.
Special Fire Fighting Procedures: Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.
Usual Fire and Explosive Hazards: Contains oxidizing materials.
Contaminated rags, wipes, sawdust, etc. may catch fire spontaneously.
Store waste under water in closed metal containers until disposed of in compliance with all applicable regulations.

SECTION V REACTIVITY DATA

Stable
Hazardous Decomposition Products: Carbon dioxide/monoxide, metal oxides.

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure:
Immediate Effects: Can be absorbed through the skin.
Harmful if inhaled. May affect the brain, nervous system or respiratory system, causing dizziness, headache, nausea or respiratory irritation.
Prolonged inhalation of dusts may result in shortness of breath.
Overexposure to ingredients in this product may cause nose and throat

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL ORANGE PAINT

irritation, eye irritation, skin irritation, harmful if swallowed, CNS depression, corneal injury/eye damage, dizziness, harm if inhaled, anesthetic effect, drowsiness and unconsciousness, nausea and vomiting.

Delayed Effects:

Birth defect hazard. Contains lead which may cause birth defects. Contains lead compounds which may cause kidney, nervous system and some blood effects damage.

Contains chromates which may cause cancer. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data.

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains ingredients which may cause harmful if swallowed, liver damage, kidney damage, harm if inhaled.

Medical Conditions Generally Aggravated by Exposure: Any respiratory or skin condition.

Emergency and First Aid Procedures:

Inhalation: Remove person from exposure area. If breathing has stopped, use mouth-to-mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Wash with soap and water.

Possible Routes of Entry: Inhalation, ingestion, skin absorption.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Ventilate area. Avoid breathing of vapors. Use self contained breathing apparatus or airmask for large spills in a confined area. Wipe up or absorb on suitable material and shovel up. Avoid contact with eyes.

Waste Disposal Method: Dispose in chemical disposal area or in a manner that complies with Local, State, and Federal Regulations. Do not incinerate closed containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Wear appropriate, properly fitted respirator during and after application unless air monitoring vapor/mist levels are below applicable limits. Follow respirator manufacturers directions for respirator use.

Ventilation: Required for spraying or in a confined area, ventilation equipment should be explosion proof.

Gloves: Usual hand protection for paint application.

Eyes: Usual eye protection for applying paint.

Other: Usual clothing for painting operations.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL ORANGE PAINT

Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been cleaned or reconditioned.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: YELLOW PAINT 1

EPNG MSDS NO: 00089
PRODUCT ITEM NO: 0040506

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: VALSPAR CORP
ADDRESS: 150 JFK PARKWAY

CITY: SHORT HILLS
STATE: NJ ZIP: 07078

EMERGENCY TELEPHONE: (800) 424-9300
24 HOUR TELEPHONE: (201) 467-8500

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: 20-Y-5
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 306
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 3.0

EVAPORATION RATE: .10
VAPOR PRESSURE: 1.70
SPECIFIC GRAVITY: 1.200
WATER SOLUBILITY: NO

FLASH POINT : 101
AUTOIGNITION : NA

METHOD: TCC/PM
LEL: 0.8 UEL: 6.0

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

NORMAL FOR A PAINT OR COATING TYPE PRODUCT.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: YELLOW PAINT 1

SECTION I MATERIAL IDENTIFICATION

CHEMICAL FAMILY: Alkyd

TRADE NAME: M & F Enamel Yellow

FORMULA: 20-Y-5

SECTION II INGREDIENTS AND HAZARDS

	% WT	TLV (UNITS)
Exempt Min. Spirits	40	100 ppm
Lead Chromate Pigment	30	0.01 mg/cu m

SECTION III PHYSICAL DATA

Boiling Point: 306
Vapor Pressure: 1.69
Vapor Density: 3.0
Spec. Gravity: 1.20
% Vol. by Vol.: 60
Evap. Rate: 0.10
Appearance and Odor: Normal for a paint or coating type product.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: 101
FLAMMABLE LIMITS: LEL: 0.8 UEL: 6.0

EXTINGUISHING MEDIA: Carbon dioxide, Dry chemical, foam, and/or water fog.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.

SECTION V REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS:

Metal oxides, Carbon dioxide and carbon monoxide

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: Not required for mixtures

EFFECTS OF OVEREXPOSURE:

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: YELLOW PAINT 1

Respiratory irritation, dizziness, nausea, loss of consciousness

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove person from

Inhalation: Remove person from exposure area. If breathing has stopped use mouth to mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Wash with soap and water.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

VENTILATE AREA. AVOID BREATHING OF VAPORS

USE SELF-CONTAINED BREATHING APPARATUS OR AIR MASK FOR LARGE SPILLS IN A CONFINED AREA.

AVOID CONTACT WITH EYES

WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP

WASTE DISPOSAL METHOD:

Dispose in chemical disposal area or in a manner that complies with local, state and federal regulation: Do not incinerate closed containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use appropriate Bureau of Mines approved respiratory device in confined areas and for spray application.

VENTILATION: Required for spraying or in a confined area.

Ventilation equipment should be explosion proof.

PROTECTIVE GLOVES: Usual hand protection for paint application.

EYE PROTECTION: Usual eye protection for applying paint.

OTHER PROTECTIVE EQUIPMENT: Usual clothing for painting operations.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Containers should be grounded when pouring. Avoid free of liquid in excess of a few inches. Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120F. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EZE OFF

EPNG MSDS NO: 00177
PRODUCT ITEM NO: 0040580

DATE ISSUED: 05/01/1987
LAST REVISED DATE: / /

MANUFACTURER

NAME: OLYMPIA LABS., INC.
ADDRESS: 1491 LEE TREVINO
SUITE F
CITY: EL PASO
STATE: TX ZIP: 79936

EMERGENCY TELEPHONE: (404) 422-2071
24 HOUR TELEPHONE: (915) 595-2652

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: .60
SPECIFIC GRAVITY: 1.250
WATER SOLUBILITY: PARTIAL

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

CLEAR VISCOUS SPRAY, CHLORINATED SOLVENT ODOR.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EZE OFF

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Methylene Chloride	80%	100 PEL	100 TLV
Petroleum Distillates	1	500	100
Methanol	3	200	200
Propane	10	1000	1000

SECTION III PHYSICAL DATA

Spec. Gravity: 1.25

Sol. in Water: Partial

Appearance and Odor: Clear viscous spray, chlorinated solvent odor.

SECTION IV FIRE AND EXPLOSION DATA

Extinguisher Media: Foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: Self contained breathing apparatus.

Unusual Fire Fighting Procedures: Self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Do not expose aerosols to temperatures above 130F or the container may erupt.

SECTION V REACTIVITY DATA

Stable

Conditions to Avoid: Open flame, welding arcs, heat

Incompatability: Alkalis, strong oxidizing materials, amines, potassium, sodium and magnesium.

Hazardous Decomposition Products: CO₂, CO, HCl, small amounts of phosgene and chlorine.

SECTION VI HEALTH AND HAZARD INFORMATION

Primary Routes of Entry: Inhalation, skin absorption,

Acute Effects

Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

Eye: Irritation

Skin: Irritation due to defatting of skin.

Ingestion: Possible chemical pneumonitis if aspirated into lungs.

Nausea.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

Emergency and First Aid Procedures

Eye: Flush with water for 15 minutes. If irritated, see physician.

Skin: Wash with soap and water. If irritated, see physician.

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical aid.

Ingestion: Induce vomiting. Get immediate medical attention.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EZE OFF

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Absorb with suitable medium. Incinerate or landfill according to Local, State and Federal regulations. Do not flush to sewer.
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory protection: If vapor conc. exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.
Protective Gloves: Rubber gloves recommended.
Eye Protection: Safety glasses recommended
Ventilation: Adequate ventilation to keep vapor concentration below TLV.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Do not puncture or incinerate containers. Do not store at temperatures above 130F.
Avoid food contamination. Keep out of reach of children. Avoid breathing vapors.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: THINNER TEXADINE (NO MSDS AVAILABLE)

EPNG MSDS NO: 02359 DATE ISSUED: / /
PRODUCT ITEM NO: 0040821 LAST REVISED DATE: / /

MANUFACTURER

NAME: TEXADINE
ADDRESS:

CITY: EMERGENCY TELEPHONE: () -
STATE: ZIP: 24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: THINNER TEXADINE (NO MSDS AVAILABLE)

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

N/A

SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

N/A

SECTION V REACTIVITY DATA

N/A

SECTION VI HEALTH AND HAZARD INFORMATION

N/A

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

N/A

SECTION VIII SPECIAL PROTECTION INFORMATION

N/A

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LACQUER THINNER

EPNG MSDS NO: 00956
PRODUCT ITEM NO: 0040832

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: JASCO CHEMICAL CORP.
ADDRESS: 1710 VILLA ST.

CITY: MOUNTAIN VIEW,
STATE: CA ZIP: 94042

EMERGENCY TELEPHONE: (415)968-6005
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA TRADE SECRET: N
MOLECULAR WEIGHT: NA TIER II REPORTABLE:

BOILING POINT: 133-340 EVAPORATION RATE: >2
MELTING POINT: NA VAPOR PRESSURE: NA
VISCOSITY: NA SPECIFIC GRAVITY: 0.800
VAPOR DENSITY: >2 WATER SOLUBILITY: 35 - 40%

FLASH POINT : 10 - 14F METHOD: T.O.C. ESTIMATED
AUTOIGNITION : NA LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LACQUER THINNER

SECTION I MATERIAL IDENTIFICATION

TRADE NAME AND SYNONYMS: Lacquer Thinner

CHEMICAL FAMILY: Solvents

CHEMICAL FORMULA: Blend

SECTION II INGREDIENTS AND HAZARDS

Contains hydrocarbon and oxygenated solvents

Glycol Ether EB 2% 50 TLV (Units)

SECTION III PHYSICAL DATA

BOILING POINT 760 mm Hg: 133 - 340 F

SPECIFIC GRAVITY (H₂O=1): 0.8

% VOLATILE BY VOLUME: 100

VAPOR DENSITY (Air=1): >2

EVAPORATION RATE: >2

SOLUBILITY IN WATER: 35 - 40%

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (Method Used): 10 - 14F T.O.C. estimated

EXTINGUISHING MEDIA:

Exclude air. Use Foam, Carbon Dioxide or Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES:

Water should not be used except as a fog.

SECTION V REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID:

Heat and fires.

INCOMPATIBILITY (Materials to Avoid):

Strong alkalis or strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: 200 ppm (Calculated)

EFFECTS OF OVEREXPOSURE:

Breathing vapor may irritate nose and throat. May cause nausea, dizziness.

EMERGENCY AND FIRST AID PROCEDURES:

Remove victim to fresh air, restore breathing if required. Call a physician. Do not induce vomiting. On skin contact, flush with water. Seek medical advice if condition persists.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Eliminate all sources of ignition. Flush with water to a tank or well ventilated area.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LACQUER THINNER

WASTE DISPOSAL METHOD:

Incinerate if permitted, or bury in a sanitary fill. Dispose in conformance with local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): All-purpose cannister mask or air-supplied mask if TLV exceeded.

VENTILATION: Use in ventilated areas.

PROTECTIVE GLOVES: Advisable

EYE PROTECTION: Goggles or face shield.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

CAUTION ! ! Extremely flammable

OTHER PRECAUTIONS:

Avoid repeated contact with skin.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DARK BLUE #5 PAINT 420 SERIES

EPNG MSDS NO: 00064
PRODUCT ITEM NO: 0046095

DATE ISSUED: 07/01/1981
LAST REVISED DATE: / /

MANUFACTURER

NAME: THE VALSAR
ADDRESS: CORPORATION
150 JFK PARKWAY
CITY: SHORT HILLS
STATE: NJ ZIP: 07078

EMERGENCY TELEPHONE: (800)424-9300
24 HOUR TELEPHONE: (201)467-8500

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA EVAPORATION RATE: NA
MELTING POINT: NA VAPOR PRESSURE: NA
VISCOSITY: NA SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: NA WATER SOLUBILITY: NA

FLASH POINT : 100-200 METHOD: TCC
AUTOIGNITION : NA LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:
NONE

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DARK BLUE #5 PAINT 420 SERIES

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Lead	0.06%	0.15 mg/m3
Organic Solvent(s)	10.00	100 PPM

SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 100-200

Fire fighters must wear self-contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.

SECTION V REACTIVITY DATA

Stable

Incompatibility: Metal oxides, carbon dioxide and carbon monoxide.

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure: Eye irritation, respiratory irritation, dizziness, nausea, loss of consciousness.

First Aid Procedures: Inhalation: Remove person from exposure area. If breathing has stopped use mouth to mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes. Get medical attention.

Skin Contact: Wash with soap and water.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Ventilate area. Avoid breathing of vapors. Use self-contained breathing apparatus or air mask for large spills in a confined area. Avoid contact with eyes. Wipe up or absorb on suitable material and shovel up. Report spills as required to appropriate authorities. In case of accident or road spills notify Chemtrec 800-424-9300. Disposal: Dispose in chemical disposal area or in a manner that complies with Local, State and Federal Regulations. Do not incinerate closed containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

Use appropriate Bureau of Mines approved respiratory device in confined areas and for spray applications.

Ventilation: Required for spraying or in a confined area. Ventilation equipment should be explosion proof.

Protective Gloves: Usual hand protection for handling paint products.

Eye Protection: Chemical type goggles.

Usual clothing for handling paint products.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DARK BLUE #5 PAINT 420 SERIES

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120F. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106.

Vapor harmful. Causes eye irritation. Combustible.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL SEACREST GREEN PAINT

EPNG MSDS NO: 00100
PRODUCT ITEM NO: 0040496

DATE ISSUED: 09/09/1986
LAST REVISED DATE: / /

MANUFACTURER

NAME: VALSPAR CORPORATION
ADDRESS:

1101 3RD ST. SOUTH
CITY: MINNEAPOLIS
STATE: MN ZIP: 55415

EMERGENCY TELEPHONE: (800) 228-5635
24 HOUR TELEPHONE: (612) 332-7371

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 230
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: 5.48

EVAPORATION RATE: 2.00
VAPOR PRESSURE: 28.0
SPECIFIC GRAVITY: 0.980
WATER SOLUBILITY: NO

FLASH POINT : 106
AUTOIGNITION : NA

METHOD: NA
LEL: 0.80 UEL: 6.00

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

NORMAL FOR A COATINGS PRODUCT.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL SEACREST GREEN PAINT

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Exempt Mineral Spirits:8032-32-4	45%	100.00	TLV
Toluene:108-88-3	<1%	100.00	200.00 PEL
Naphtha:8032-32-4	5%	100.00	
Titanium Dioxide:13463-67-7	10%	10.00	15.00
Butyl Cellosolve:111-76-2	1%	25.00	50.00

SECTION III PHYSICAL DATA

Boiling Point: 230
Vapor Pressure: 28.0
Vapor Density: 5.48
Spec. Gravity: 0.98
% Vol. by Vol.: 60.42
Evap. Rate: 2.00
Appearance and Odor: Normal for a coatings product.

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 106
LEL: 0.80
UEL: 6.00
Extinguishing Media: Carbon dioxide, dry chemical, foam and/or water fog.
Special Fire Fighting Procedures: Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.
Usual Fire and Explosive Hazards: Contains oxidizing materials. Contaminated rags, wipes, sawdust, etc. may catch fire spontaneously. Store waste under water in closed metal containers until disposed of in compliance with all applicable regulations.

SECTION V REACTIVITY DATA

Stable
Hazardous Decomposition Products: Carbon dioxide/monoxide.

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure:
Immediate Effects (acute):
Can be absorbed through the skin.
Harmful if inhaled. May affect the brain, nervous system or respiratory system, causing dizziness, headache, nausea or respiratory irritation.
Prolonged inhalation of dusts may result in shortness of breath
overexposure to ingredients in this product may cause nose and throat irritation, eye irritation, skin irritation, CNS depression, corneal

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL SEACREST GREEN PAINT

injury/eye damage, dizziness, anesthetic effect, drowsiness and unconsciousness, nausea and vomiting.

Delayed Effects (chronic):

Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data.

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Contains ingredients which may cause lung injury, liver damage, kidney damage, nervous system damage.

Medical Conditions Generally Aggravated by Exposure: Any respiratory or skin condition.

Emergency and First Aid Procedures:

Inhalation: Remove person from exposure area. If breathing has stopped, use mouth-to-mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Wash with soap and water.

Possible Routes of Entry: Inhalation, ingestion, skin absorption.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Ventilate Area. Avoid breathing of vapors. Use self contained breathing apparatus or airmask for large spills in a confined area. Wipe up or absorb on suitable material and shovel up. Avoid contact with eyes.

Waste Disposal Method: Dispose in chemical disposal area in a manner that complies with Local, State, and Federal Regulations. Do not incinerate closed containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Wear appropriate, properly fitted respirator during and after application unless air monitoring vapor/mist levels are below applicable limits. Follow respirator manufacturers directions for respirator use.

Ventilation: Required for spraying or in a confined area, ventilation equipment should be explosion proof.

Protective Gloves: Usual hand protection for paint application.

Eye Protection: Usual eye protection for applying paint.

Other Protective Equipment: Usual clothing for painting operations.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Keep away from heat, sparks and open flames. Keep containers closed when not in use. Do not store above 120. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: M & F ENAMEL SEACREST GREEN PAINT

warnings must be observed until the container has been cleaned or reconditioned.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

EPNG MSDS NO: 01143
PRODUCT ITEM NO: 0057957

DATE ISSUED: 07/01/1987
LAST REVISED DATE: / /

MANUFACTURER

NAME: EVEREADY BATTERY CO INC
ADDRESS: CHECKERBOARD SQUARE

CITY: ST. LOUIS
STATE: MO ZIP: 63164

EMERGENCY TELEPHONE: (202) 625-3333
24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

IMPORTANT NOTE: The Battery Container should not be opened or Incinerated since the following ingredients contained within could be harmful under some circumstances if exposed.

MATERIAL OF INGREDIENT	%	TLV (ACGIH)	PEL (OSHA)
Inganese Dioxide	18-50	5mg/m3 Ceiling (As Manganese)	5mg/m3 Ceiling (As Manganese)
Zinc Metal	5-22	10mg/m3	15mg/m3
Potassium Hydroxide	3-10	2mg/m3	2mg/m3
Carbon (Natural Graphite)	1-8	2.5 mg/m3	15 mppcf
Mercury	0.2-0.8	0.5mg/m3	0.1mg/m3 Ceiling

SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

In case of fire in an adjacent area, it is permissible to use any class of extinguishing medium on these batteries or their packing material.

See also Section V - Handling and Disposal precautions.

SECTION V REACTIVITY DATA

N/A

SECTION VI HEALTH AND HAZARD INFORMATION

EFFECTS OF SINGLE EXPOSURE TO CONTENTS:

SWALLOWING: Contenting may cause severe burns of the mouth, throat, and stomach with severe abdominal and chest pain, nausea, vomiting, diarrhea, chills, feverr, muscle pain, dizziness, faintness, drowsi-ness, drowsiness, circulatory collapse and coma.

SKIN ABSORPTION: No evidence of adverse effects from available information.

INHALATION: Dusts or particles from contents may cause respiratory irritation.

SKIN CONTACT: Contents cause chemical burns, seen as marked local redness with swelling.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

EYE CONTACT: Content will cause severe irritation, seen as marked excess redness and swelling of the conjunctiva and chemical burns of the cornea.

EFFECTS OF REPEATED EXPOSURE TO CONTENTS:

Repeated exposure to battery contents may affect the central nervous system, with signs and symptoms indistinguishable from Parkinsonism, such as abnormal gait, mask-like face, apathy, loss of appetite, headache, sleepiness, weakness, fatigue, muscular twitching, clumsiness, speech difficulties, memory loss, swallowing difficulties, and urinary bladder disturbances.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO CONTENTS:

Because of its irritating properties, the contents may aggravate an existing dermatitis.

Breathing of dusts or particles from contents may aggravate asthma and inflammatory or fibrotic pulmonary disease.

Prolonged and repeated overexposure to contents may aggravate any existing neurological conditions.

EMERGENCY AND FIRST AID PROCEDURE:

SWALLOWING: Do not induce vomiting. Seek a medical attention immediately. (See Notes to physician below)

SKIN: Remove contaminated clothing. If the contents from an opened battery come in contact with the skin, wash thoroughly with soap and water. If irritation persists or contact has been prolonged, see a physician.

INHALATION: Remove to fresh air.

EYES: If the contents from an opened battery come in contact with the eyes, immediately flush eyes thoroughly with water and continue flushing for at least 15 minutes. Seek medical attention urgently.

NOTES TO PHYSICIAN:

Mediastinitis from perforated esophagus, or peritonitis from gastric perforation may occur. Aspirated alkaline material could produce severe lung damage. Due to the severely irritant nature of the material, gastric lavage should be carried out with caution.

Treatment of exposure should be directed at the control of symptoms and the clinical condition. Blood and urinary mercury levels may be

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

estimated as soon as possible after ingestion and subsequently thereafter if indicated by the clinical course of events. Chelation therapy may increase excretion of mercury and manganese. L-Dopa may improve the neurologic symptoms.

If ingestion of the battery is suspected, do not induce vomiting. Do not give any food or drink until foreign body has been identified.

Perform a radiographic study from the nasopharynx to the anus to identify location of the battery.

If the battery has lodged in the esophagus, immediate removal is indicated using the appropriate technique. The patient should be observed for signs or symptoms of esophageal perforation. In addition, the patient should be observed for signs or symptoms of stenosis, which most commonly occurs 2 or 3 weeks post-ingestion.

If the battery has passed through the esophagus, and is in the stomach or beyond, "watchful expectancy" is indicated. cathartics may be administered to hasten transit time.

Frequent X-rays are not necessary. It may take as long as 10 days for a battery to pass. A simple rule of thumb is to re-X-ray if the battery does not appear in the stool after three days, Examine all stools.

If the battery becomes lodged in the stomach or intestinal tract a cathartic and/or an enema may be indicated, plus observation for signs of perforation or obstruction. Instruct the family of possible obstructive symptoms or signs which they might observe in the patient. Test for occult blood. Have the family observe the patient's stools for signs of blood. The family can perform hemocult type testing for occult blood at home with test packages provided by a local laboratory.

All cases should be reported immediately to the National Battery Ingestion Hotline for advice and follow-up. The number is 202.625-3333; it is open 24 hours a day.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

N/A

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Not necessary under conditions of normal use

RESPIRATORY PROTECTION: Not necessary under conditions of normal use.

EYE: Not required under conditions of normal use.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

GLOVES: use neoprene or natural rubber gloves if handling an open or leaking battery.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

STORAGE: Safe stacking of battery cartons is no more than 60" high including the pallet and no more than 3 pallets high.

MECHANICAL CONTAINMENT: DO NOT SEAL THESE BATTERIES IN AIRTIGHT OR WATERTIGHT CONTAINER. Batteries normally evolve hydrogen which, when combined with oxygen from the air, can provide a combustible or explosive mixture unless vented. Short circuits, high temperatures or static sparks could then cause an ignition.

Full encapsulation (potting) of these batteries will prevent proper operation of safety vent, if internal pressure exceeds design limit, and can result in a high-pressure rupture.

HANDLING: Accidental short circuit for a few seconds will not seriously harm this battery. Avoid prolonged short circuit, however, since the battery will lose energy and, at high temperatures, can even rupture. The high temperature achievable under continuous short circuit can be a source of skin burns. Metal covered tables or metal belts used for assembly of batteries into devices can be the source of short circuits apply insulating material to assembly work surface.

If soldering or welding to the terminal or case of the battery is required, consult your Eveready Battery Company Representative for proper precautions to prevent seal damage or internal short circuit.

CHARGING: This battery is manufactured in a charged state. It is not designed for recharging. To do so may cause battery leakage or, in some cases, cell explosion.

LABELLING: if the normal EVEREADY label or package warnings are not visible, it is important to provide a package or device label stating:

WARNING: DO NOT DISPOSE IN FIRE, RECHARGE, PUT IN BACKWARDS, MIX WITH USED OR OTHER BATTERY TYPES--MAY EXPLODE, LEAK AND CAUSE PERSONAL INJURY.

Where accidental ingestion of small cells is possible, include the label-warning; KEEP AWAY FROM SMALL CHILDREN. IF SWALLOWED, PROMPTLY SEE DOCTOR; HAVE DOCTOR PHONE (202) 625-3333 COLLECT.

DISPOSAL: DO NOT INCINERATE or subject cells to temperature in excess 100C (212F). Such treatment can vaporize the liquid electrolyte and cause cell rupture.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EVEREADY BATTERY ENERGIZER ALKALINE

Bury in landfill in accordance with appropriate Federal, state and local regulations.

NOTICE: The information and recommendations set forth above are made in good faith and believed to be accurate as of the date of preparation. However, Eveready Battery Company, Inc, make no warranty, express or implied, with respect to this information and disclaims all liabilities from reliance on it.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WHITE ENAMEL PAINT

EPNG MSDS NO: 00086
PRODUCT ITEM NO: 0046312

DATE ISSUED: 07/01/1981
LAST REVISED DATE: / /

MANUFACTURER

NAME: VALSPAR CORPORATION
ADDRESS:

1101 3RD ST. SOUTH
CITY: MINNEAPOLIS
STATE: MN ZIP: 55415

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: (612) 332-7371

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 0.000
WATER SOLUBILITY: NA

FLASH POINT : 100 - 200 F
AUTOIGNITION : NA

METHOD: TCC/PM
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WHITE ENAMEL PAINT

SECTION I MATERIAL IDENTIFICATION

CHEMICAL NAME AND FAMILY:

PAINT PRODUCT For: 20-W-9 and 420 series paints

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT	%WT	TLV units
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LEAD	> or = 0.06%	0.15 mg/m3
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ORGANIC SOLVENT(S)	> or = 10.00%	> or = 100 PPM
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For additional application and/or use information request latest Material Safety Data Sheet and Product Data Sheet for specific products contained in this shipment.

SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 100-200

Extinguishing Media: Carbon dioxide, dry chemical, foam, and/or water fog.

Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.

Unusual Fire and Explosive Hazards: None

SECTION V REACTIVITY DATA

Stable

Hazardous Decomposition Products: Carbon dioxide/monoxide and metal oxides

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure: Respiratory irritation, dizziness, nausea, loss of consciousness.

Emergency and First Aid Procedures:

Inhalation: Remove person from exposure area. If breathing has stopped use mouth to mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Wash with soap and water.

Possible Routes of Entry: Inhalation, ingestion, skin absorption.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Ventilate area. Avoid breathing of vapors. Use self-contained breathing apparatus or airmask for large spills in a confined area.

Wipe up or absorb on suitable material and shovel up. Avoid contact

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WHITE ENAMEL PAINT

with eyes. Report spills as required to appropriate authorities.
In case of accident or road spills notify chemtrec (800) 424-9300.

Waste Disposal Method: Dispose in chemical disposal area or in a manner that complies with Local, State and Federal Regulations. Do not incinerate closed containers.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Use appropriate Bureau of Mines approved respiratory device in confined areas and spray applications.

Ventilation: Required for spraying or in a confined area.

Ventilation equipment should be explosion proof.

Protective Gloves: Usual hand protection for paint application.

Eye Protection: Chemical type goggles.

Other Protective Equipment: Usual clothing for handling paint products.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

HANDLING AND STORAGE:

Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Keep away from heat, sparks and open flames. Keep container closed when not in use. DO NOT store above 120 F. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

EPNG MSDS NO: 00893
PRODUCT ITEM NO: 0046649

DATE ISSUED: 12/04/1986
LAST REVISED DATE: / /

MANUFACTURER

NAME: BORDEN
ADDRESS: 180 E. BROAD STREET

CITY: COLUMBUS,
STATE: OH ZIP: 43215

EMERGENCY TELEPHONE: (614)431-6600
24 HOUR TELEPHONE:() -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: HEAVY THAN AIR

EVAPORATION RATE: > BUTYL ACETATE
VAPOR PRESSURE: SEE CAN
SPECIFIC GRAVITY: 0.000
WATER SOLUBILITY: SLIGHT

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NAQ
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: Y LIQUID: Y GAS: Y SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

SECTION I MATERIAL IDENTIFICATION

PRODUCT NAME: KRYLON INT/EXT ENAMEL OR ENGINE COLOR 1501 - 2505

TYPE: Spray Paint "Aerosol"

ITEMS: 1501 GLOSSY WHITE; 1502 FLAT WHITE; 1503 ANTIQUE WHITE; 1506 ALMOND; 1601 GLOSSY BLACK; 1602 ULTRA FLAT BLACK; 1603 CHARCOAL GRAY; 1604 SHADOW GRAY; 1605 DOVE GRAY; 1608 SMOKE GRAY; 1611 UNIVERSAL GRAY; ENGINE COLOR; 1612 UNIVERSAL BLACK, ENGINE COLOR; 1613 SEMI-FLAT BLACK; 1617 PEARL GRAY; 1619 CAST MAGIC; 1631 BLACK LACQUER; 1704 SPANISH BROWN; 1705 ENGINE GOLD, ENGINE COLOR; 1801 CHROME YELLOW; 1802 PASTEL YELLOW; 1803 MARIGOLD YELLOW (OLD CATERPILLAR YELLOW); 1804 BRIGHT YELLOW (JOHN DEERE YELLOW); 1809 SCHOOL BUS YELLOW; 1811 HARVEST GOLD; 1913 DAISY YELLOW (OSHA SAFETY YELLOW); 1814 TOPAZ YELLOW (NEW CATERPILLAR YELLOW); 1901 REGAL BLUE; 1902 BABY BLUE; 1903 METALLIC BLUE; 1908 CHEVROLET BLUE, ENGINE COLOR; 1909 FORD BLUE, ENGINE COLOR; 1910 TRUE BLUE; 1923 FORD DARK BLUE, ENGINE COLOR; 1928 CHRYSLER LIGHT BLUE, ENGINE COLOR; 1929 PLUM (SAFETY PURPLE); 1930 G.M. BLUE, ENGINE COLOR; 2001 HUNTER GREEN; 2002 PASTEL AQUA; 2004 MOSS GREEN (JOHN DEERE/CASE GREEN); 2005 ERIN GREEN (OLIVE GREEN); 2007 FORD GREEN, ENGINE COLOR; 2008 AQUA TURQUOISE; 2009 AVOCADO; 2011 JUNGLE GREEN; 2012 CLOVER GREEN (SAFETY GREEN); 2013 G.M. ALPINE GREEN (DETROIT DESEL), ENGINE COLOR; 2101 CHERRY RED; 2103 AMERICAN BEAUTY RED (INTERNATIONAL HARVESTER RED); 2106 FORD RED, ENGINE COLOR; 2108 BANNER RED; 2111 CHRYSLER RED, ENGINE COLOR; 2114 BUICK RED, ENGINE COLOR; 2116 SCARLET (OSHA SAFETY RED); 2117 BONFIRE; 2118 BURGUNDY; 2301 O.D. KHAKI; 2401 SUNSET ORANGE; 2404 MANDARIN ORANGE; 2405 BEIGE; 2505 CHIPPEWA; / 15012 GLOSSY WHITE; 15022 FLAT WHITE; 15032 ANTIQUE WHITE; 15062 ALMOND; 16012 GLOSSY BLACK; 16022 ULTRA FLAT BLACK; 1605 DOVE GRAY; 16082 SMOKE GRAY; 16132 SEMI FLAT BLACK; 18042 BRIGHT YELLOW; 19012 REGAL BLUE; 20012 HUNTER GREEN; 21012 CHERRY RED; 21082 BANNER RED; 25012 LEATHER BROWN; 25042 BEIGE

SIGNAL WORD - DANGER !!

This material is a "health hazard" and/or "physical hazard" as determined when reviewed according to the requirements of the occupational safety and health administration 29 CFR 1910.1200 "Hazard communication" standard.

SECTION II INGREDIENTS AND HAZARDS

000067-64-1

ACETONE

Can cause central nervous system depression. signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. (SEE FOOTNOTE(S) C)

ACGIH TLV: 750 PPM (1780mg/m3) TWA; 1000 PPM (2375 mg/m3) STEL

OSHA PEL: 1000 PPM (2400 mg/m3) TWA

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

NIOSH DOCUMENT NUMBER: 78-173

000071-36-3 BUTYL ALCOHOL

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. (SEE FOOTNOTE(S) C)

ACGIH TLV: SKIN - 50 PPM (50mg/m3) Ceiling

OSHA PEL: 100 PPM (300 mg/m3) TWA

000074-98-6 PROPANE

This material is a simple asphyxiant. signs and symptoms of over-exposure include cyanosis, respiratory distress, headache, dizziness, unconsciousness and asphyxiation.

CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. (SEE FOOTNOTE(S) C).

ACGIH TLV: simple Asphyxiant - See ACGIH TLVS, Appendix E

OSHA PEL: 1000 PPM (1800 mg/m3) TWA

000078-93-3 METHYL ETHYL KETONE

Possible reproductive hazard, overexposure may cause female productive disorders based on test with laboratory animals.

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. (SEE FOOTNOTE(S) C).

ACGIH TLV: 200 PPM (590mg/m3) TWA; 300 (885 mg/m3) STEL

OSHA PEL: 200 PPM (590 mg/m3) TWA

NIOSH DOCUMENT NUMBER: 78-173

000108-10-1 METHYL ISOBUTYL KETONE

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. (SEE FOOTNOTE(S) C).

ACGIH TLV: 50 PPM (205mg/m3) TWA; 75 PPM (300 mg/m3) STEL

OSHA PEL: 100 PPM (400 mg/m3) TWA

NIOSH DOCUMENT NUMBER: 78-173

000108-65-6 2-PROPANOL, 1-METHOXY-, ACETATE

SEE FOOTNOTE(S) C.

ACGIH TLV: None Established

OSHA PEL: None Established

000108-88-3 TOLUENE

Overexposure may cause liver damage.

Overexposure may cause kidney damage.

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. Reports have associated repeated and prolonged Occupational overexposure with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may lead to addiction and may be harmful or fatal.

SEE FOOTNOTE(S) C.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

ACGIH TLV: 100 PPM (375mg/m3) TWA; 150 (560mg/m3) STEL
OSHA PEL: 200 PPM TWA; 300 PPM Ceiling; 500 PPM 10-min peak
NIOSH COCUMENT NUMBER: 73-11023

001330-20-7 XYLENE
Overexposure may cause liver damage .
Overexposure may cause kidney damage.
Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation. SEE FOOTNOTE(S) C.
ACGIH TLV: 100 PPM (435mg/m3) TWA; 150 PPM (655mg/m3) STEL
OSHA PEL: 100 PPM (435mg/m3) TWA
NIOSH DOCUMENT NUMBER: 75-168

FOOTNOTE C: As of the date of issuance of this document, this material has not been listed by NTP, IARD, OR OSHA as a carcinogen.

SECTION III PHYSICAL DATA

VAPOR PRESSURE: SEE CAN PRESSURE
VAPOR DENSITY HEAVIER THAN AIR
SOLUBLE IN WATER SLIGHT
SPECIFIC GRAVITY LIGHTER THAN WATER
EVAPORATION RATE FASTER THAN BUTYL ACETATE
% VOLATILE BY WEIGHT: 81 to 89
% NON-VOLATILE BY WEIGHT: 11 to 19
PRESSURE IN CONTAINER, PSIG @ 70 F. Approx. 60

SECTION IV FIRE AND EXPLOSION DATA

EXTREMELY FLAMMABLE

Contents under pressure; exposure to high temperature may cause bursting. Avoid radiators, stoves, direct sunlight, or other heat sources. DO NOT puncture or incinerate container. DO NOT spray near open flame.

In case of fire, use dry chemical, foam, or CO₂. Water may be ineffective, but should be used to keep fire-exposed containers cool.

SECTION V REACTIVITY DATA

Normally stable as defined in NFPA 704-12(4-3.1).
HAZARDOUS POLYMERIZATION WILL NOT OCCUR
MAJOR DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION VI HEALTH AND HAZARD INFORMATION

ACUTE HEALTH HAZARD DATA

SKIN ABSORPTION: Not expected to be harmful under normal conditions of use.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

INGESTION: Not expected to be harmful under normal conditions of use.

INHALATION: May be harmful if inhaled. Liquid or vapor can cause irritation of nose, throat and lungs.

SKIN: Causes irritation

EYES: Causes irritation

EMERGENCY AND FIRST AID PROCEDURES

SKIN ABSORPTION: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

INGESTION:

If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT: Flush skin with water. If irritation persists, call a physician.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Eliminate all ignition sources.

Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

WASTE DISPOSAL METHOD:

Dispose of according to Local, State and Federal requirements. Empty containers may contain explosive vapors. DO NOT puncture or weld on or nearby. Incineration will cause container to burst violently.

SECTION VIII SPECIAL PROTECTION INFORMATION

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA 29 CFR 1910.134 or other applicable standards or guidelines.

Use goggles if contact is likely.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KRYLON INT./EXT. ENAMEL OR ENGINE COLOR PAINT 1501-2505

Wear impervious gloves as required to prevent skin contact.

CONTROL MEASURES

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: Local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

DO NOT store at temperatures above 120 F.

DOT CLASSIFICATION: ORM-D CONSUMER COMMODITY

DISCLAIMER

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY BORDEN, except that the product shall conform to contracted specifications, and that the product does not infringe any United State patent. The information provided hererin was believed by Borden to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: RIDGED BLACK CUTTING OIL

EPNG MSDS NO: 00041
PRODUCT ITEM NO: 0047064

DATE ISSUED: / /
LAST REVISED DATE: / /

MANUFACTURER

NAME: FRANELED OIL CORP.
ADDRESS:

BOX 46030
CITY: FRANKLIN PARK
STATE: OH ZIP: 44035

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: () -

NFPA HEALTH: 1 FIRE: 1 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: N/A
MOLECULAR WEIGHT: N/A

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 545F
MELTING POINT: N/A
VISCOSITY: N/A
VAPOR DENSITY: >11

EVAPORATION RATE: NEUTRAL
VAPOR PRESSURE: <0.01
SPECIFIC GRAVITY: 0.900
WATER SOLUBILITY: NEGLIGIBLE

FLASH POINT : 330F
AUTOIGNITION : N/A

METHOD: COC
LEL: 1% UEL: 6%

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

DARK LIQUID WITH FAINT SULFUR ODOR.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: RIDGED BLACK CUTTING OIL

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

N/A

SECTION III PHYSICAL DATA

PERCENT VOLATILE BY VOL @ 250F: 3% Max

APPEARANCE AND ODOR: Color Black Odor Mild

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: 300 F COC

SPECIAL FIRE FIGHTING PROCEDURE:

Fight as a class B fire.

SECTION V REACTIVITY DATA

N/A

SECTION VI HEALTH AND HAZARD INFORMATION

N/A

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Handle as a petroleum oil.

WASTE DISPOSAL METHOD: Handle as a petroleum oil

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION: Not required

MECHANICAL: Not required

PROTECTIVE GLOVES: Not required

OTHER PROTECTIVE EQUIPMENT : Not required

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

EPNG MSDS NO: 00699
PRODUCT ITEM NO: 0047243

DATE ISSUED: / /
LAST REVISED DATE: 10/21/1985

MANUFACTURER

NAME: GENERAL ELECTRIC
ADDRESS:

SILICONE PROD. DIV.
CITY: WATERFORD, EMERGENCY TELEPHONE: (518) 237-3330
STATE: NY ZIP: 12188 24 HOUR TELEPHONE: () -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

SECTION I MATERIAL IDENTIFICATION

MANUFACTURED BY:
General Electric Co., Silicone Products Division, Waterford, NY 12188

EMERGENCY PHONE (24 HOURS): 518-237-3330

REVISED: 10/21/1985

PREPARER: DA Polsinelli

PRODUCT IDENTIFICATION: IS802

CHEMICAL NAME: Construction Sealant

CHEMICAL FAMILY: Silicone Sealant

FORMULA: Mixture

SECTION II INGREDIENTS AND HAZARDS

PRODUCT COMPOSITION	APPROX %	ACGHIH TLV	OSHA PEL	UNITS	CAS REG NO
A Hazardous					
Methyltriacetoxysilane	(05%)	10	--	PPM	4253-34-3*
B. Non-Hazardous					
**Product Information	NA	NA	NA	NA	NA

SECTION III PHYSICAL DATA

BOILING POINT NA (F) NA (C)

PHYSICAL STATE: Solid

VAPOR PRESSURE (20 C): UNKN MM HG

ODOR: Vinegar

VAPOR DENSITY (AIR=1): UNKN

COLOR: Translucent

SOLUBILITY IN WATER (20C): Insoluble.

PH: NA

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): UNKN

ACIDITY/ALKALINITY UNKN meq/g

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

FREEZING POINT: NA (F) NA (C)

DENSITY: 1042.5 kg/m3

MELTING POINT: NA (F) NA (C)

SPECIFIED GRAVITY (WATER=1): 1.04

% VOLATILE BY VOLUME < 5

EVAPORATION RATE (BUTYL ACETATE=1): <1

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: > 400 (F) >204 (C) By Toc.

IGNITION TEMP: Unkn (F) Unkn (C)

FLAMMABLE LIMITS

LOWER: NA UPPER: NA

EXTINGUISHING MEDIA:

All standard firefighting media. Dry Chemical.

SPECIAL FIREFIGHTING PROCEDURES:

None known.

SECTION V REACTIVITY DATA

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide,
Silicon Dioxide, Acetic Acid.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

CONDITIONS TO AVOID: None Known.

SECTION VI HEALTH AND HAZARD INFORMATION

ACUTE SIGNS/EFFECTS OF OVEREXPOSURE

INGESTION:

May cause gastric distress.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate skin

INHALATION:

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

Causes mild respiratory irritation.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

Respiratory

OTHER:

Acetic acid released during curing.

CHRONIC EFFECTS OF OVEREXPOSURE:

None known.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION:

None known.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

INHALATION: (nothing on msds sheet for inhalation)

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

NOTE TO PHYSICIAN:

None known.

TOXICITY:

Methyltriacetoxysilane

ACUTE ORAL LD50 2060 (rat) mg/kg

ACUTE DERMAL LD 50: None Found mg/kg

ACUTE INHALATION LC50: None Found

OTHER:

None.

AMES TEST:

Unknown.

PRINCIPAL ROUTES OF EXPOSURE:

Eyes, Inhalation.

PRODUCTS INGREDIENTS:

None known.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Use in a well ventilated area.

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known.

VENTILATION:

Use only in well ventilated area. Mechanical ventilation.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.

CAUTION!

Wearers of contact lenses MUST NOT handle lenses until all sealant has been cleaned from fingertips, residual silicone will transfer to lenses and cause severe eye irritation.

Product releases acetic acid during application and curing. Use mechanical ventilation to stay below TLV of 10 PPM acetic acid.

Uncured product contact irritates eyes.

Uncured product contact may irritate skin.

Use in a well ventilated area to prevent irritation by vapors.

ENGINEERING CONTROLS:

Eyewash stations.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CONSTRUCTION SEALANT (IS802)

Use in a well ventilated area.

SHIPPING AND REGULATORY CLASSIFICATION DATA

DOT SHIPPING NAME: None

DOT HAZARD CLASS: None

DOT LABEL(S): None

EPA HAZARD WASTE: None

OSHA HAZARD CLASS: Eye irritant

CPSC CLASSIFICATION: Eye irritant

TRANSPORTATION CLASS: IMO None

KID (OCTI) None

ADR (ECE) None

RAR (TATA0 None

UN/NA NUMBER: None

NFPA/MMIS CLASSIFICATION:

Flammability=0

Reactivity= 0

Health=2

ADDITIONAL INFORMATION:

These data are offered in good faith at typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: QUAKER STATE HD MOTOR OIL 30W

EPNG MSDS NO: 00145
PRODUCT ITEM NO: 0047349

DATE ISSUED: 07/29/1985
LAST REVISED DATE: / /

MANUFACTURER

NAME: QUAKER STATE OIL
ADDRESS: REFINING CORPORATION
BOX 989
CITY: OIL CITY
STATE: PN ZIP: 16301

EMERGENCY TELEPHONE: () -
24 HOUR TELEPHONE: (814) 676-7676

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA
EVAPORATION RATE: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 0.870
WATER SOLUBILITY: NIL

FLASH POINT : 400
AUTOIGNITION : NA
METHOD: COC
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

DARK LIQUID. SLIGHT HYDROCARBON ODOR.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: QUAKER STATE HD MOTOR OIL 30W

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Mineral Oils >90
Additive Package <10

SECTION III PHYSICAL DATA

Physical State: Liquid
Spec. Gravity: .87
Appearance and Odor: Dark liquid (thickness dependent on viscosity).
Slight hydrocarbon odor.

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 400/COC
Extinguishing Media: CO2, dry chemical, foam, water fog. Water may be ineffective in fighting an oil fire unless used by experience fire fighters.
Special Fire Fighting Procedures: For small fires involving this material, no special procedure or precautions are necessary. For large storage fires involving this material and/or other lubricating products, do not enter any enclosed or confined space without full protection equipment including self contained breathing apparatus.
Unusual Fire and Explosion Hazards: Containers may burst when exposed to fire conditions.

SECTION V REACTIVITY DATA

Stable
Conditions to Avoid: High temperatures and open flame.
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon dioxide, water vapor. May produce oxides of sulphur, nitrogen and phosphorus. Incomplete combustion can produce carbon monoxide.

SECTION VI HEALTH AND HAZARD INFORMATION

Effects of Overexposure
Swallowing: May cause nausea and diarrhea.
Inhalation: Breathing mineral oil mists at levels above the TLV may cause respiratory irritation and possible discomfort. The creation of an oil mist is unlikely when used as a motor oil.
Skin: Material expected to cause no more than minor skin irritation following prolonged and/or repeated contact.
Emergency and First Aid Procedures
Swallowing: Do not induce vomiting and contact a physician.
Skin: Wash skin thoroughly with soap and water. Launder soiled clothing.
Inhalation: If respiratory discomfort or irritation occurs due to

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: QUAKER STATE HD MOTOR OIL 30W

inhalation of oil mist, move person to fresh air. Contact a physician if discomfort or irritation continues.

Eyes: Flush with water for 15 minutes. If irritation continues, contact a physician.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Clean up spills as soon as possible. Absorb large spills with commercially available absorbent materials, such as absorbent clay. Place contaminated material in disposable containers and bury in an approved landfill site per local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation: Special ventilation is necessary only if unusual operating conditions create concentrations in excess of the TLV.

Gloves: Impervious protective gloves can minimize skin exposures where prolonged or repeated exposures can occur.

Eye: Safety glasses or a face shield can reduce the possibility of accidental eye contact.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COMPRESSED ASBESTOS GASKET SHEETS

EPNG MSDS NO: 01045
PRODUCT ITEM NO: 0045410

DATE ISSUED: 04/13/1987
LAST REVISED DATE: / /

MANUFACTURER

NAME: GARLOCK INC
ADDRESS: 1666 DIVISION ST

CITY: PALMYRA
STATE: NY ZIP: 14522

EMERGENCY TELEPHONE: (315) 597-4811
24 HOUR TELEPHONE: (315) 597-4811

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: NA
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: NA

EVAPORATION RATE: NA
VAPOR PRESSURE: NA
SPECIFIC GRAVITY: 0.000
WATER SOLUBILITY: NEG

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COMPRESSED ASBESTOS GASKET SHEETS

SECTION I MATERIAL IDENTIFICATION

TRADE NAME: Styles 7021, 7021T, 7405, 7819, and 9533
Compressed Abestos Sheets

SYNONYMS: Styrene-Butadiene Elastomer Bonded Compressed Asbestos Sheet

SECTION II INGREDIENTS AND HAZARDS

INGREDIENTS: Chrysotile (white) Asbestos*

PERCENT: 1

TLV: 0.2 fibers longer than 5 micrometers per cubic centimeter of air.
(OSHA PEL).

CAS NUMBER: 12001-29-5

* The asbestos fiber is bound and encapsulated by a vulcanized elastomer matrix. The fibers DO NOT present a hazard as long as the matrix intact.

SECTION III PHYSICAL DATA

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Grey-black to black sheet or gasket - Slight odor.

SECTION IV FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: If fire involves substantial quantities of product, self contained breathing apparatus should be used due to smoke produced and possible release of asbestos fibers in binder is burned.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Produces smoke, some fumes and possibly some free asbestos fibers when burned.

SECTION V REACTIVITY DATA

STABILITY: The asbestos sheets are stable under normal conditions of storage and use.

INCOMPATIBILITY: Avoid storage with strong oxidizing agents. Direct flame will ignite binder.

HAZARDOUS DECOMPOSITION PRODUCTS:

In a fire: Smoke, possibly carbon monoxide under certain circumstances. Some asbestos fibers may be released once binder has burned. There

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COMPRESSED ASBESTOS GASKET SHEETS

may be other products unknown to us.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

SECTION VI HEALTH AND HAZARD INFORMATION

EFFECTS OF EXPOSURE:

These products do not pose a health hazard under ordinary conditions of use. A hazard would arise only if the products were subjected to mechanical actions that would cause the asbestos fibers to be released from the elastomer compound matrix.

Inhalation of such airborne fibers can cause the well-known long term effects of Asbestosis, lung cancer and mesothelioma.

INGESTION: Free asbestos fibers may be a factor in cancers of the GI tract and larynx. Such cancers are believed to be smoking related.

SKIN AND EYE CONTACT: Simple irritation in sensitive individuals.

MEDICAL CONDITIONAL PRONE TO AGGRIVATION BY EXPOSURE:

Inhaling free asbestos fibers may aggravate any lung conditions and respiratory tract irritations.

EMERGENCY FIRST AID PROCEDURES

INHALATION (OF FIBER): Remove victim from contaminated area. Report exposure to medical personnel.

INGESTION (OF FIBER): No specific action. Report exposure to medical personnel.

SKIN: Wash area of contact thoroughly with soap and water. Contact a physician if irritation persists.

EYE CONTACT: If particles get in the eyes irrigate, well with water. Contact a physician as a precaution.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wet waste. Vacuum up any waste with NEPA filtered vacuum cleaner. Wear protective equipment and half face respirator with HEPA filters.

WASTE DISPOSAL METHOD:

Since the asbestos in the product is secured with a binder and is not friable or loose, the product can be disposed of with other

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COMPRESSED ASBESTOS GASKET SHEETS

inert materials in a normal landfill.

Grinding or machining of the product should be avoided since these, or similar operations may generate asbestos dust. Any such dust should be wetted and vacuumed up with NEPA filtered vacuum cleaner, sealed in a plastic bag and disposed of in accordance with instructions from a disposal company. The user is responsible for complying with any local, state or federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Not required under normal conditions of use. If any operations are performed on the product that may release asbestos fibers, use a NIOSH approved half face respirator with HEPA filters.

VENTILATION REQUIREMENTS:

No special requirement under normal conditions product that may release asbestos fibers, sufficient ventilation should be provided to keep fiber level below 0.2 fibers per cc.

EYE PROTECTION: Wear safety glasses.

PROTECTIVE GLOVES AND CLOTHING: Not required under ordinary conditions of use.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in clean, dry place away from strong oxidizing agents. Normal wash up after handling is recommended.

SPECIAL PRECAUTIONS: Asbestos bonded by an elastomer compound, however, do not misuse by improper cutting or handling. See OSHA Regulations 29 CFR 1910.1001.

When removing used gaskets, avoid excessive mechanical actions and place the asbestos containing residues in a plastic bag for disposal. As a precaution, a half face respirator with HEPA filters should be worn to individuals when engaged in removal of used gaskets.

NOTE: The information provided herein is accurate to the best of our knowledge, but no warranty, express or implied is made.

PREPARED BY: K. P. Hughes, Supvr. Chemist

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JET-LUBE KOPR-KOTE LEAD-FREE ANTI-SEIZE LUBRICANT

EPNG MSDS NO: 00132
PRODUCT ITEM NO: 0048303

DATE ISSUED: 05/14/1986
LAST REVISED DATE: / /

MANUFACTURER

NAME: JET-LUBE, INC.
ADDRESS:
4849 HOMESTEAD RD
CITY: HOUSTON
STATE: TX ZIP: 77226

EMERGENCY TELEPHONE: (713) 674-7617
24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: PROPRIETARY
MOLECULAR WEIGHT: NA

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 329C
MELTING POINT: NA
VISCOSITY: NA
VAPOR DENSITY: >5

EVAPORATION RATE: <0.01
VAPOR PRESSURE: <0.01
SPECIFIC GRAVITY: 1.200
WATER SOLUBILITY: NONE

FLASH POINT : 241C
AUTOIGNITION : 260

METHOD: COC
LEL: UN UEL: UN

PHYSICAL FORMS PURE: MIX: Y LIQUID: GAS: SOLID:

REMARKS:

COPPER COLORED PASTE, PETROLEUM ODOR.

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JET-LUBE KOPR-KOTE LEAD-FREE ANTI-SEIZE LUBRICANT

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Petroleum Oil 64741-96-4 70%

SECTION III PHYSICAL DATA

Spec. Gravity: 1.20
Boiling Point: 329
Vapor Pressure: <0.01
Vapor Density: >5
Evap. Rate: <0.01
Appearance and Odor: . Copper colored paste, petroleum odor.

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 241C
Auto-Ignition Temp.: 260C
Extinguishing Media: Use foam, dry chemical, water spray (fog), carbon dioxide or vaporizing liquid type extinguishing agents.
Special Fire Fighting Procedures: Use supplied-air breathing equipment for enclosed or confined spaces.

SECTION V REACTIVITY DATA

Stable
Conditions to Avoid: Strong oxidizing materials and copper reactive agents.
Incompatible Materials: Strong oxidizing materials, copper reactive agents and 1-bromo-2propyne
Hazardous Decomposition Products: Hydrogen, carbon monoxide, aldehydes, smoke, fumes, and toxic copper compounds.

SECTION VI HEALTH AND HAZARD INFORMATION

Symptoms of Exposure: Redness and irritation of skin.
Effects of Overexposure: Repeated skin contact for persons hypersensitive to petroleum products can cause redness and irritation of skin.
Emergency and First Aid Procedures
Inhalation: Clear air passage, call physician
Ingestion: Do not induce vomiting; call physician.
Eyes: Wash with copious quantities of water
Skin: Remove by wiping, or waterless hand cleaner, followed by washing.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Scoop up excess, wipe up with rags, pick-up with diatomaceous earth to avoid walking hazard.
Consult Federal, State, and Local regulations for petroleum products.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JET-LUBE KOPR-KOTE LEAD-FREE ANTI-SEIZE LUBRICANT

SECTION VIII SPECIAL PROTECTION INFORMATION

Other Protective Equipment: Persons with hypersensitive skin should use gloves.
Wash hands before eating.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HAND CLEANER

EPNG MSDS NO: 00172

DATE ISSUED: \ / /

PRODUCT ITEM NO: 0050592

LAST REVISED DATE: 05/01/1972

MANUFACTURER

NAME: ZEP MANUFACTURING COMPANY

ADDRESS:

P O BOX 2015

CITY: ATLANTA

EMERGENCY TELEPHONE: (404) 352-1680

STATE: GA ZIP: 30301

24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0

CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: PROPRIETARY

TRADE SECRET: N

MOLECULAR WEIGHT: NA

TIER II REPORTABLE:

BOILING POINT: NA

EVAPORATION RATE: NA

MELTING POINT: NA

VAPOR PRESSURE: NA

VISCOSITY: NA

SPECIFIC GRAVITY: 0.920

VAPOR DENSITY: NA

WATER SOLUBILITY: EMULSIFIES

FLASH POINT : 160

METHOD: TCC

AUTOIGNITION : NA

LEL: NA

UEL: NA

PHYSICAL FORMS PURE: MIX: Y LIQUID: GAS: SOLID:

REMARKS:

YELLOW GEL WITH A FRUIT-LIKE ODOR.

PRODUCT SYNONYMS

ZEP-O-KREME

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HAND CLEANER

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Solvents - Aliphatic Hydrocarbons 39% 200 ppm (TLV)

Low volatility

Other ingredients not classifiable or considered hazardous.

SECTION III PHYSICAL DATA

Spec. Gravity: .92

Sol. in Water: Emulsifies

% Vol.: 83.5

Appearance and Odor: Yellow gel with a fruit-like odor.

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: 160/TCC

Extinguishing Media: Gel structure of product inhibits combustibility of solvent. Flash point of solvent 135F. Product will not flash unless heated to breaking point of the emulsion above 212F.

SECTION V REACTIVITY DATA

Stable

Incompatibility: Strong oxidizers.

Hazardous Decomposition Products: CO₂.

SECTION VI HEALTH AND HAZARD INFORMATION

Threshold Limit Value: 200 ppm for solvent. No solvent vapors are given off by product.

Effects of Overexposure: Causes irritation to eyes on contact.

May dry skin after prolonged use.

Emergency and First Aid Procedures: Flush eyes with water for 15 minutes and seek medical attention. Discontinue use if skin rash or irritation develops.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Wipe or mop up spilled material. Thoroughly rinse spill area.

Normal disposal system.

SECTION VIII SPECIAL PROTECTION INFORMATION

N/A

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Store in a cool, dry area.

Keep out of reach of children. Avoid contact with eyes.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JETWELD LH78

EPNG MSDS NO: 00204
PRODUCT ITEM NO: 0011806

DATE ISSUED: / /
LAST REVISED DATE: 09/23/1985

MANUFACTURER

NAME: LINCOLN ELECTRIC COMPNAY
ADDRESS: 22801 ST. CLAIR AVE.

CITY: CLEVELAND,
STATE: OH ZIP: 44117

EMERGENCY TELEPHONE: (216) 481-8100
24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA:
MOLECULAR WEIGHT:

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: GAS: SOLID: Y

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JETWELD LH78

SECTION I MATERIAL IDENTIFICATION

TRADE NAME: Jetweld LH78

SIZES: All

PRODUCT TYPE: Covered Electrode

CLASSIFICATION: E7018

SECTION II INGREDIENTS AND HAZARDS

PRODUCT	WT%	TLV mg/m3	Supplimental information
IRON 065996-67-0	10	10*	(*) Not listed. Nuisance value maximum is 10 mg/m3 (**) mppcf-see Health Hazard Data section.
LINESTONE and/or calcium carbonate 000317-65-3	10	10	
FLOURIDES (as F) 007798-75-5	<5	2.5	
SILICATE BINDERS 001344-09-8	<5	10*	
TITANIUM DIOXIDES (as Ti) (13463-67-7) (as Ti) 013463-67-7	<5	10	
MANGANESE and/or manganese alloys (as Mn) 007439-96-5	<5	5	
SILICON ALLOYS (as Si) 008049-17-0	1	10*	
BAUXITE and/or aluminum oxide 001344-28-1	0.5	10	
FERROVANADIUM 011147-86-7	<0.5	1	
MINERAL SILICATES 001332-58-7	<0.5	20**	

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JETWELD LH78

ZINC OXIDES

001314-13-2 <0.5 5

CAS Number shown is representative for the ingredients listed. Every material may not be present in all sizes.

OSHA PEL (Permissible Exposure Limit) Value limits are the same as TLV unless otherwise listed.

OTHER	WT%	TLV mg/m3
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Carbon Steel core wire	70	10*
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SECTION III PHYSICAL DATA

N/A

SECTION IV FIRE AND EXPLOSION DATA

Non flammable; Welding arc and sparks can ignite combustibles and flammable products.

SECTION V REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS:

Welding fumes and gases cannot be classified simply. The composition and quantity of both are dependent upon the metal being welded, the process, procedure and electrodes used.

Other conditions which also influence the composition and quantity of the fumes and gases to which workers may be exposed include: coatings on the metal being welded (such as paint, plating, or galvanizing), the number of welders and the volume of the work area, the quality and amount of ventilation, the position of the welder's head with respect to the fume plume, as well as the presence of contaminants in the atmosphere (such as chlorinated hydrocarbon vapors from cleaning and degreasing activities).

When the electrode is consumed, the fume and gas decomposition products generated are different in percent and form from the ingredients listed in Section II. decomposition products of normal operation include those originating from the volatilization, reaction, or oxidation of the materials shown in Section II, plus those from the base metal and coating, etc., as noted above

Reasonably expected fume constituents of this product would include: Primarily iron oxide and fluorides; secondarily complex oxides of manganese, potassium, silicon, sodium and zinc.

Maximum fume exposure guideline for this product is 5.0 mg/m3.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JETWELD LH78

Gaseous reaction products may include carbon monoxide/dioxide. Ozone and nitrogen oxides may be formed by the radiation from the arc.

One recommended way to determine the composition and quantity of fumes and gases to which workers are exposed is to take an air sample from inside the welder's helmet if worn or in the worker's breathing zone. See ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes," available from the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida, 33126.

SECTION VI HEALTH AND HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: Electric arc welding may create one or more of the following health hazards: Fumes and Gases can be dangerous to your health. Common entry is by inhalation.

SHORT-TERM (acute) overexposure to welding fumes may result in discomfort such as dizziness, nausea, or dryness or irritation of nose throat, or eyes. Exposure to extremely high levels of fluorides can cause abdominal pain, diarrhea, muscular weakness and convulsions. In some cases, it can cause loss of consciousness and death.

LONG-TERM (chronic) over-exposure to welding fumes can lead to siderosis (iron deposits in lung) and affect pulmonary function. Repeated exposure to fluoride fume may cause excessive calcification of the bone and calcification of ligaments of the ribs, pelvis and spinal column. May cause skin rash.

THRESHOLD LIMIT VALUE:

The ACGIH recommended general limit for Welding Fume NOC (Not Otherwise Classified) is 5 mg/m³. ACGIH 1985 preface states "The TLV-TWA should be used as guides in the control of health hazards and should not be used as fine lines between safe and dangerous concentrations, "See the REACTIVITY DATA section for specific fume constituents which may modify this TLV. Threshold Limit Values are figures published by the American Conference of Government Industrial Hygienists. Units may be milligrams per cubic meter (mg/m³), millions of particles per cubic foot of air (mppcf), or parts per million of vapor or gas in air (ppm).

Arc Rays can injure eyes and burn skin

Electric shock can kill.

EMERGENCY AND FIRST AID PROCEDURES:

Call for medical aid. Employ first aid techniques recommended by the American Red Cross. If breathing is difficult, give oxygen. If not breathing employ CPR (Cardiopulmonary Resuscitation) techniques. In

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: JETWELD LH78

case of electrical shock, turn off power and follow recommended treatment. In all cases call a physician.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

DISPOSAL INFORMATION:

Discard any product, residue, disposable container, or liner as ordinary waste in an environmentally acceptable manner unless otherwise noted.

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION:

Use enough ventilation, local exhaust at the arc, or both, to keep the fumes and gases from the worker's breathing zone and the general area.

Train the welder to keep his head out of the fumes.

RESPIRATORY PROTECTION:

Use respirable fume respirator or air supplied respirator when welding in confined space or general work area when local exhaust or ventilation does not keep exposure below TLV.

EYE PROTECTION:

Wear helmet or use face shield with filter lens shade number 12-14 or darker. shield others by providing screens and flash goggles.

PROTECTIVE CLOTHING:

Wear hand, head, and body protection which help to prevent injury from radiation, sparks, and electrical shock. At a minimum this includes welder's gloves and a protective face shield, and may include arm protectors, aprons, hats, shoulder protection, as well as dark substantial clothing. Train the welder not to permit electrically live parts or electrodes to contact skin ... or clothing or gloves if they are wet. Insulate from work and ground.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Read and understand the manufacturer's instructions and the precautionary label on the product. See American National Standard Z49.1, "Safety in Welding and Cutting" published by the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126 and OSHA Publication 2206 (29CR1910), U.S. Government Printing Office, Washington, D.C. 20402 for more details.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SIMPLE GREEN CONCENTRATED IND. STRENGTH CLEANSER & DEGREASER

EPNG MSDS NO: 00127
PRODUCT ITEM NO: 0058376

DATE ISSUED: 11/21/1988
LAST REVISED DATE: / /

MANUFACTURER

NAME: SUNSHINE MAKERS
ADDRESS:

15922 PACIFIC HWY
CITY: HUNTINGTON HARBOR
STATE: CA ZIP:

EMERGENCY TELEPHONE: (213) 592-2844
24 HOUR TELEPHONE: () -

NFPA HEALTH: 0 FIRE: 0 REACTIVITY: 0
CERCLA HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSISTENCE: 0

MOLECULAR FORMULA: NA
MOLECULAR WEIGHT: 100

TRADE SECRET: N
TIER II REPORTABLE:

BOILING POINT: 97C
MELTING POINT: -4
VISCOSITY: NA
VAPOR DENSITY: 1.3

EVAPORATION RATE: NA
VAPOR PRESSURE: 30 MM HG
SPECIFIC GRAVITY: 1.040
WATER SOLUBILITY: INFINITELY MISC

FLASH POINT : NA
AUTOIGNITION : NA

METHOD: NA
LEL: NA UEL: NA

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

TRANSPARENT GREEN LIQUID AT 20C; SASSAFRAS ODOR

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SIMPLE GREEN CONCENTRATED IND. STRENGTH CLEANSER & DEGREASER

SECTION I MATERIAL IDENTIFICATION

N/A

SECTION II INGREDIENTS AND HAZARDS

Substance: Glycol Ether

SECTION III PHYSICAL DATA

Boiling Point: 97C
Sol. in Water: Infinitely Miscible
Melting Point: -4
Vapor Density: 1.3
Spec. Gravity: 1.04
Vapor Pressure: 30 mm Hg
Appearance and Odor: Transparent green liquid at 20C; sassafras odor.

SECTION IV FIRE AND EXPLOSION DATA

Extinguishing Media: Water can be used without complication.

SECTION V REACTIVITY DATA

N/A

SECTION VI HEALTH AND HAZARD INFORMATION

Simple Green is an eye irritant. It is not irritating to skin or mucous membranes.
Repeated daily application to the skin without washing, may lead to temporary skin irritation.
Ingestion: Drink water. If stomach upset occurs consult a physician.
Skin: Wash off with water.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Vaccum or mop up spill.
Make certain seals are firmly closed. Store upright in organized manner.

SECTION VIII SPECIAL PROTECTION INFORMATION

Local exhaust acceptable.
Wear chemical splash goggles or faceshield.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

N/A

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOL IT

EPNG MSDS NO: 00830
PRODUCT ITEM NO: 0062890

DATE ISSUED: 08/22/1985
LAST REVISED DATE: / /

MANUFACTURER

NAME: OLYMPIA LABS, INC.
ADDRESS: 1491 LEE TREVINO
SUITE F
CITY: EL PASO,
STATE: TX ZIP: 79936

EMERGENCY TELEPHONE: (404) 422-2071
24 HOUR TELEPHONE: (915) 595-2652

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: TRADE SECRET: N
MOLECULAR WEIGHT: TIER II REPORTABLE:

BOILING POINT: EVAPORATION RATE:
MELTING POINT: VAPOR PRESSURE:
VISCOSITY: SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: WATER SOLUBILITY:

FLASH POINT : METHOD:
AUTOIGNITION : LEL: UEL:

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A ****

**** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOL IT

SECTION I MATERIAL IDENTIFICATION

MANUFACTURED FOR:

Olympia Labs, Inc.

1491 Lee Trevino, Suite F, El Paso, Texas 79936

EMERGENCY PHONE: (404) 422-2071

(915) 595-2652

FORMULA: Proprietary

TRADE NAME: Cool It

SECTION II INGREDIENTS AND HAZARDS

HAZARD INGREDIENT	CAS#	% (WT)	TLV (PPM)
Isobutane/Propane blend	5-28-5/74-98-6	10	1000

SECTION III PHYSICAL DATA

BOILING POINT (F): NA

SPECIFIC GRAVITY (H₂O=1): Conc. only= 1.0

VAPOR PRESSURE (PSIG): MAXIMUM 60

% VOLATILE BY VOLUME 10

VAPOR DENSITY: NA

EVAPORATION RATE (=1): NA

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Dark oil,, odor of sulfurized fat.

SECTION IV FIRE AND EXPLOSION DATA

FLAMMABILITY AS PER CPSC FLAME EXTENSION TEST: Non-Flammable.

FLAMMABLE LIMITS LOWER: NA UPPER: NA

EXTINGUISHING MEDIA:

Aerosol is non-flammable; foam, dry chemical, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained respiratory apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DO NOT expose aerosols to temperatures above 130 F or the container may explode.

SECTION V REACTIVITY DATA

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOL IT

STABILITY: Stable

CONDITIONS TO AVOID: Sparks, heat, open flame, welding arcs.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, sulfur oxides.

HAZARDOUS POLYMERIZATION: (page cut off)

SECTION VI HEALTH AND HAZARD INFORMATION

OSHA PERMISSIBLE EXPOSURE LIMIT:
10,000 PPM estimated.

EFFECTS OF OVEREXPOSURE

INHALATION:

Headache, dizziness, nausea, possible unconsciousness and death if vapor conc. exceeds TLV.

SKIN CONTACT:

Irritation.

INGESTION:

Nausea.

EYES:

Irritant.

EMERGENCY AND FIRST AID PROCEDURES

EYES:

Flush with water for 15 minutes. If irritated, see physician.

SKIN:

Wash with soap and water. If irritation persists, call a physician.

INHALATION:

Remove to fresh air. Resuscitate if necessary. Get medical aid.

INGESTION:

Call physician immediately. INDUCE vomiting at physician's recommendation.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wipe up with absorbent material. Incinerate or landfill according to local, state and federal regulations.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOL IT

WASTE DISPOSAL METHOD:

Aerosol cans, when vented to atmospheric pressure through normal use, pose no disposal hazard.

SECTION VIII SPECIAL PROTECTION INFORMATION

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY:

None if vapor conc. kept below TLV.

EYE:

Safety glasses recommended.

SKIN:

None unless skin irritation is a problem.

OTHER:

None.

VENTILATION:

Local exhaust fans

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

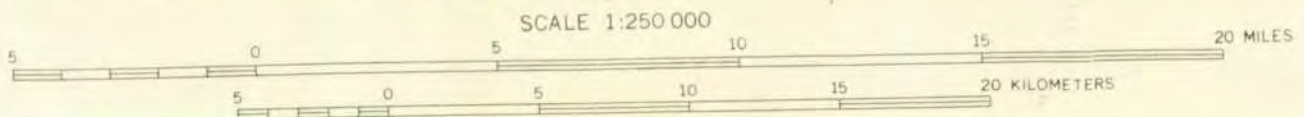
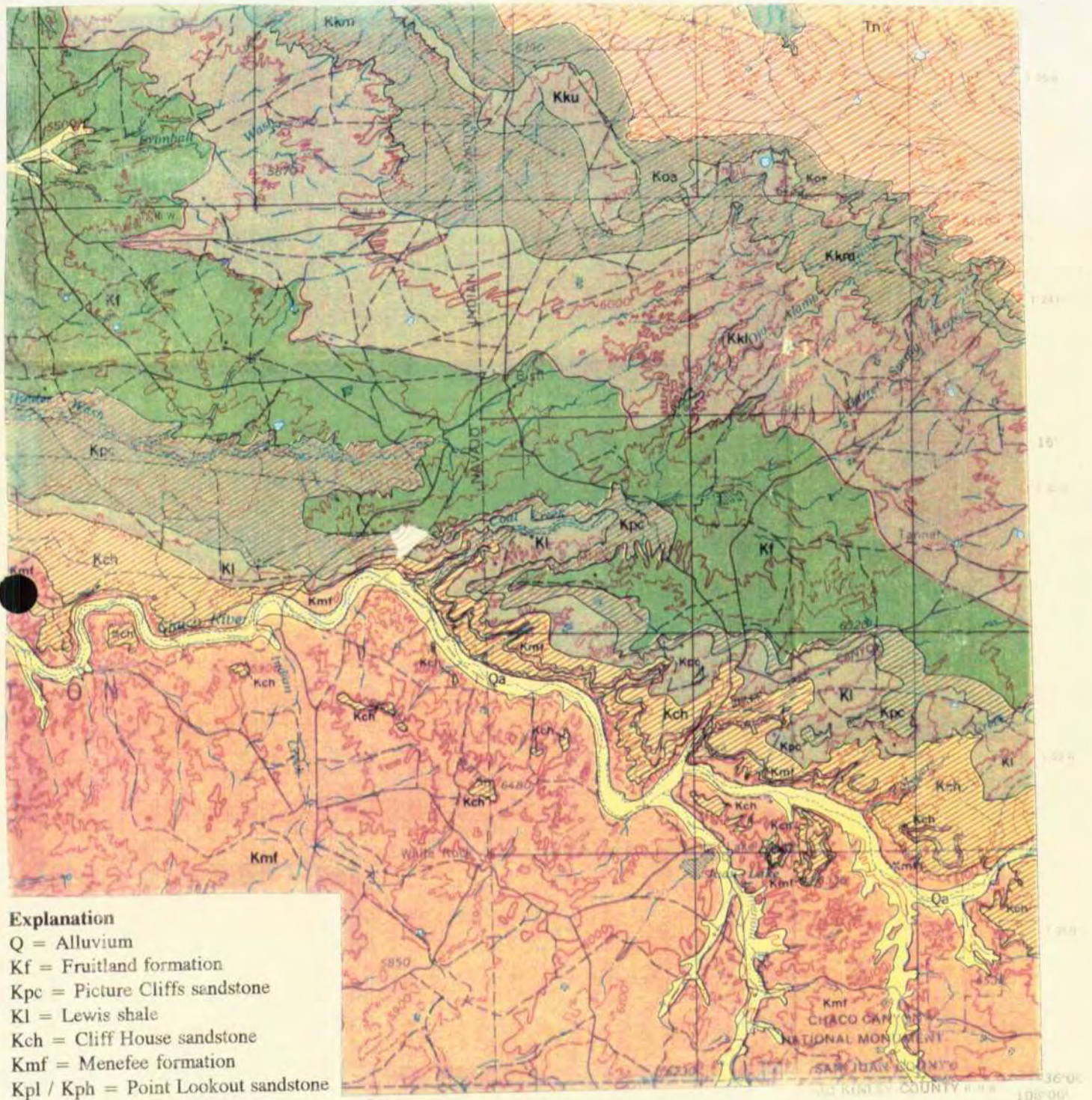
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT puncture or incinerate container. DO NOT store at temperatures above 130 F.

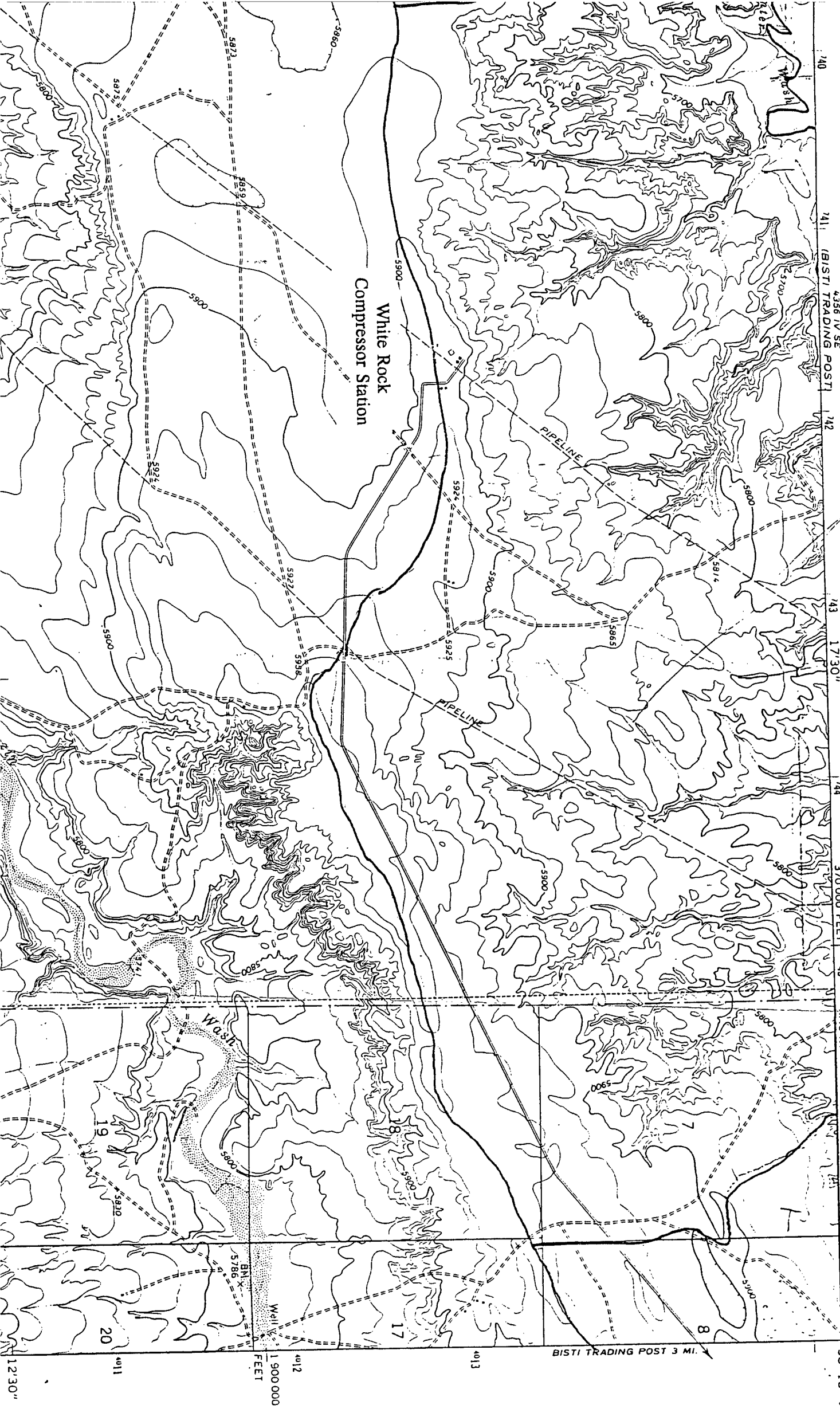
OTHER PRECAUTIONS:

Avoid food contamination. KEEP OUT OF REACH OF CHILDREN.

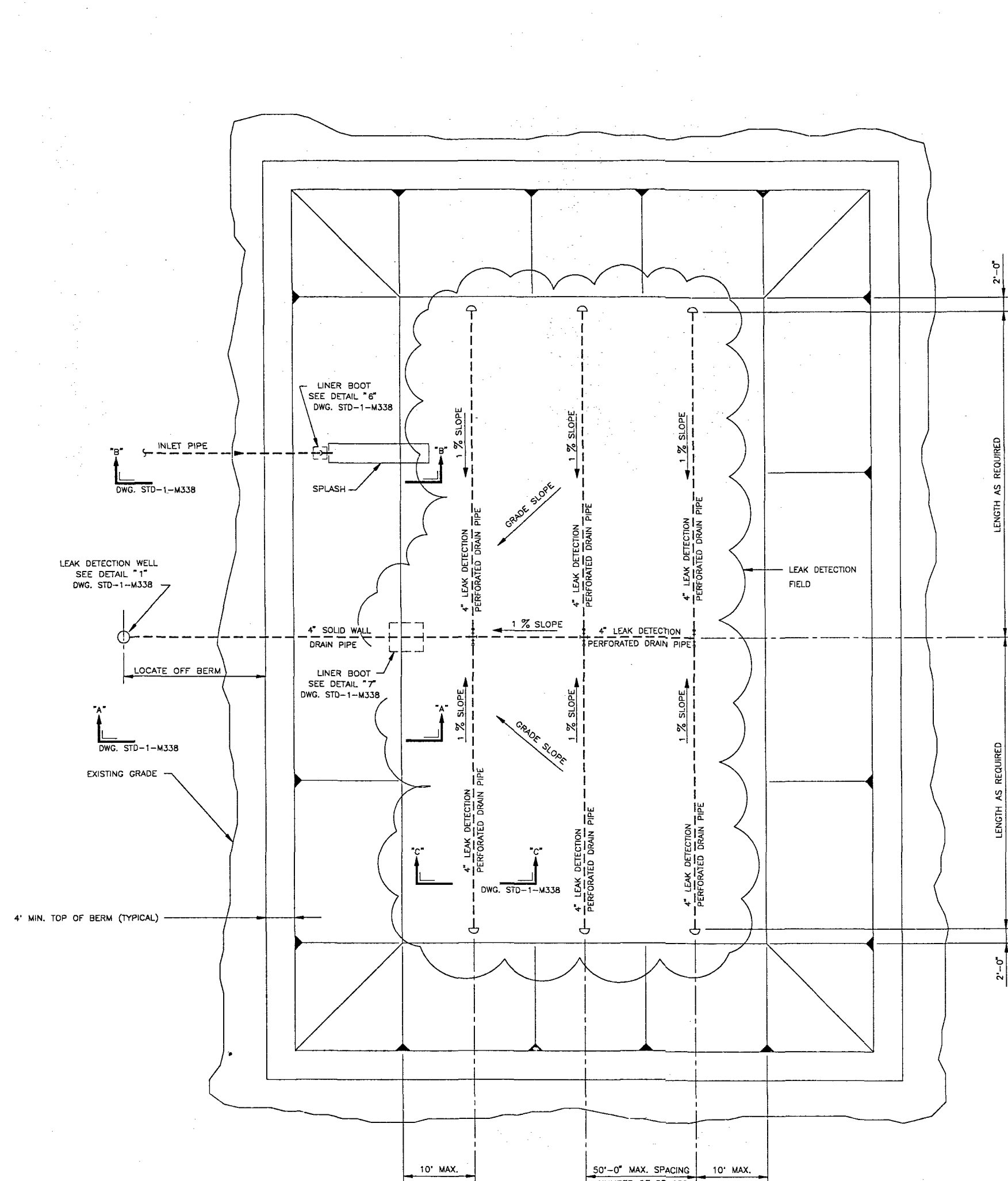
Geological Map



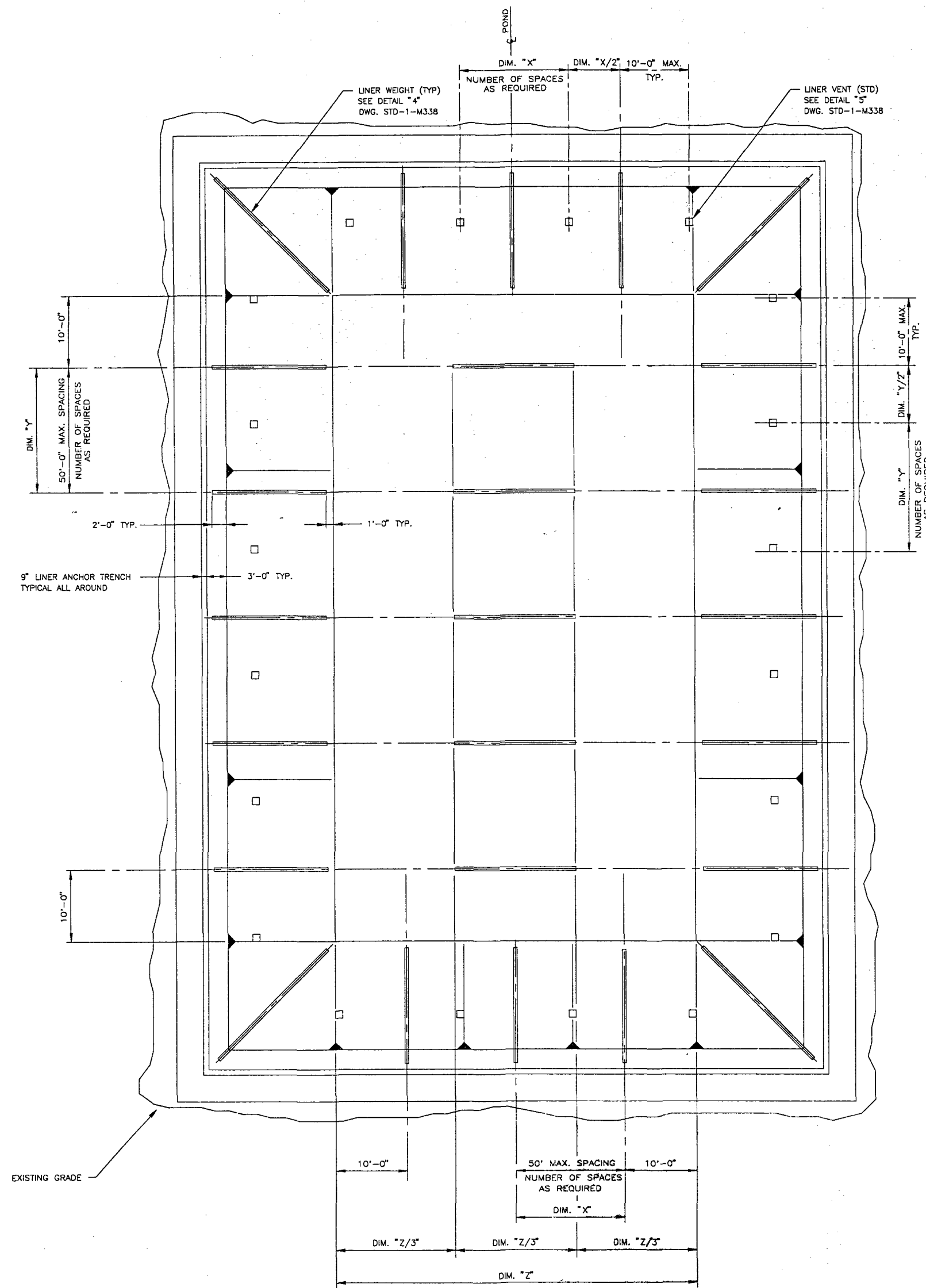
CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL



THE PILLAR 3 NE QUADRANGLE
NEW MEXICO—SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
ALAMO MESA




PLAN AT TOP OF BERM
POND PLAN
NOT TO SCALE



PLAN AT TOP OF ANCHOR TRENCH
LINER WEIGHT AND VENT LAYOUT PLAN
NOT TO SCALE

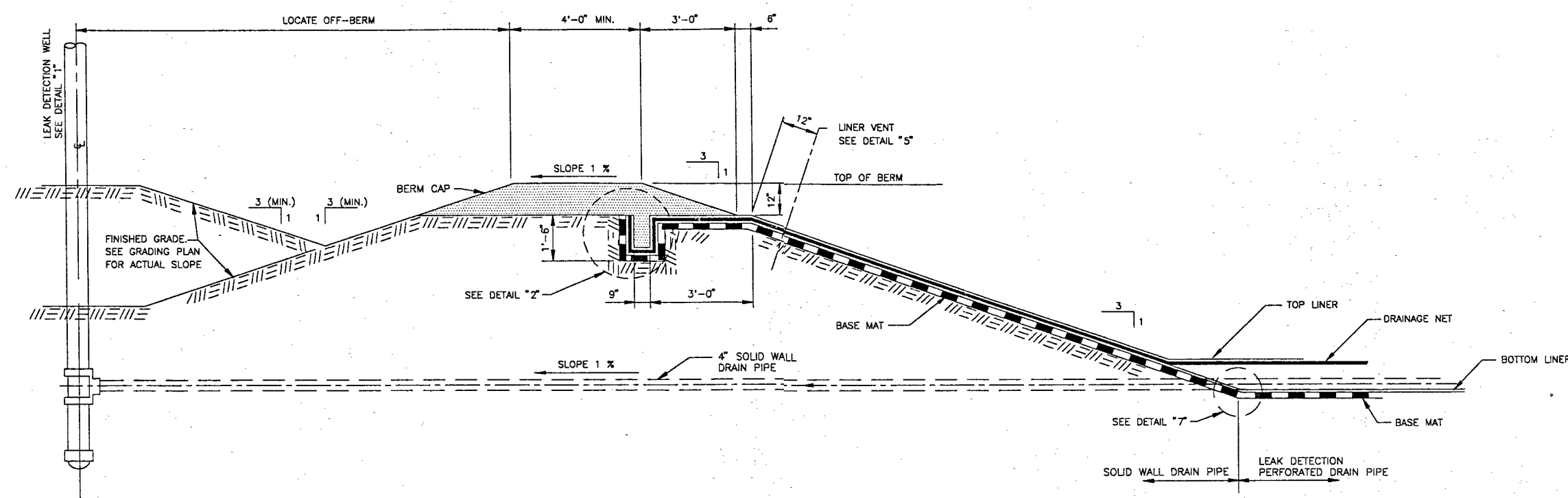
NOTES:

- THE LEAK DETECTION FIELD PIPING WITHIN THE POND UP TO THE LINER BOOT SHALL BE LIMITED TO ONE OF THE FOLLOWING.
 - PVC SEWER AND PIPE FITTINGS PER ASTM D2729
 - PSM- PVC SEWER AND PIPE FITTINGS PER ASTM D3034
 - PVC PLASTIC DRAIN, WASTE AND VENT PIPE FITTINGS PER ASTM D2685
 - PRESSURE RATED PIPE (SDR SERIES) PER STM D2241 WITH ANY DIMENSIONAL COMPATIBLE FITTINGS LISTED HEREIN
 - PVC PIPE SCHEDULE 40 PER ASTM D1785 AND PVC FITTINGS SCHEDULE 40 PER ASTM D2466.
- WHERE PERFORATED PIPE IS REQUIRED THE PERFORATIONS SHALL BE AS SPECIFIED UNDER ASTM D2729.
- THE 4" SOLID WALL DRAIN PIPE AND LEAK DETECTION WELL PIPING SHALL BE ANY OF THE PIPES AND FITTINGS LISTED IN 1 (a) THROUGH 1(e) ABOVE.
- THE INLET PIPE AND FITTINGS SHOULD BE PRESSURE-RATED AS DESCRIBED IN 1(a) OR 1(e).
- BOTH PRIMER PER ASTM F656 AND SOLVENT CEMENT PER ASTM D2554 SHALL BE USED TO JOIN PIPING IN ACCORDANCE WITH ASTM D2855.
- UNDERGROUND INSTALLATION SHALL BE PER ASTM D2321.
- ALL CLAMPS FOR BOOTS SHALL BE STAINLESS STEEL CLAMPS.

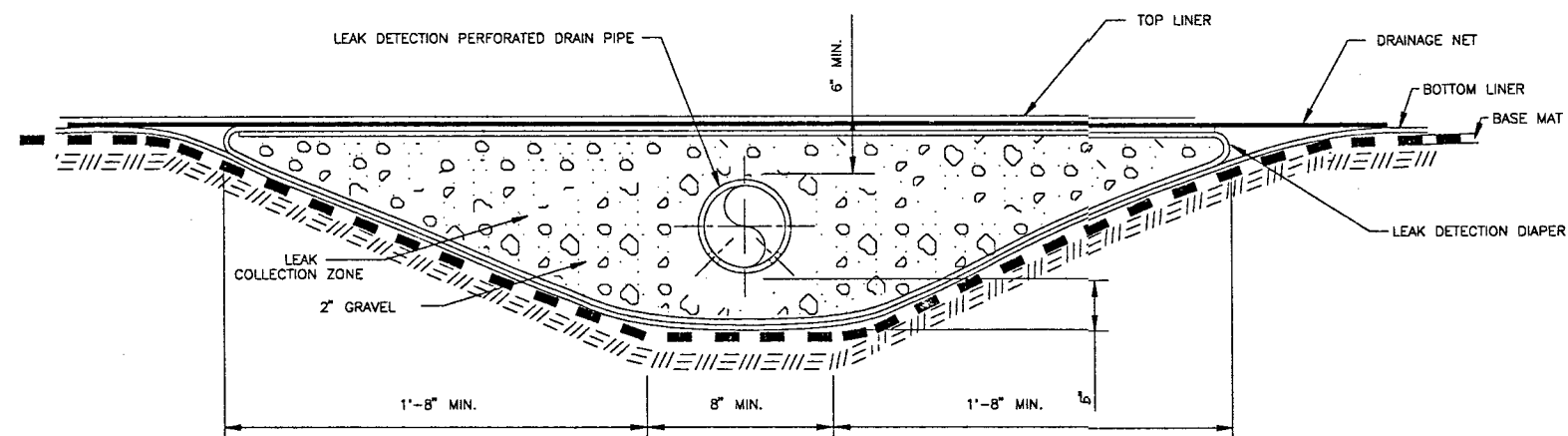
										ENG. RECORD		DATE		 El Paso NATURAL GAS COMPANY	EVAPORATION POND POND AND LINER WEIGHT PLANS	
										DRAFTING	DK	3/28/94				
										CAD DRAFTING	PD	3/29/94				
										CHECKED						
										PROJECT APPROVAL	mm	5/11/94				
										SURVEY DATE						
										R/W NUMBER						
										COMPUTER	ST0253					
										SAVE NAME						

										STD-1-M338		SECTIONS AND DETAILS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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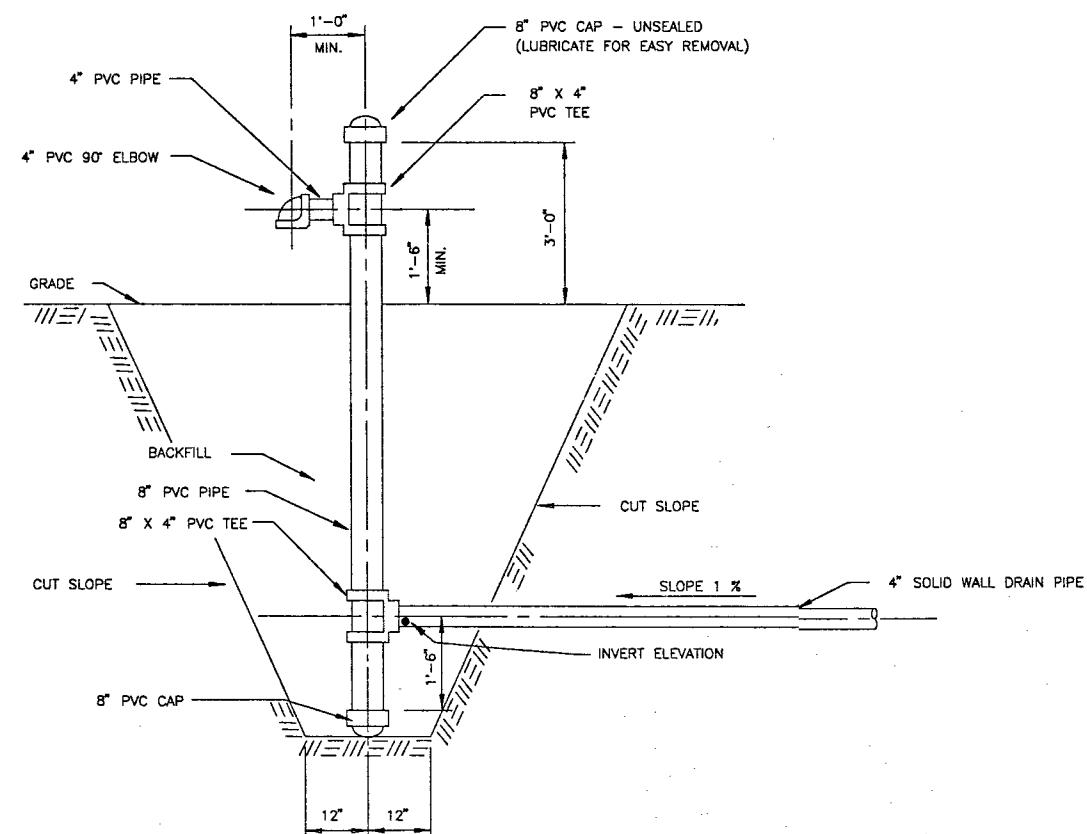
148 (Rev. 11/93)	LEGEND	STD-1-M338	SECTIONS AND DETAILS	NO.	DATE	BY	DESCRIPTION	W.O.	APR.	PRT.	SER.	DATE	TO	W.O.
		DWG. NO.	REFERENCE DRAWINGS				REVISIONS					PRINT RECORD		



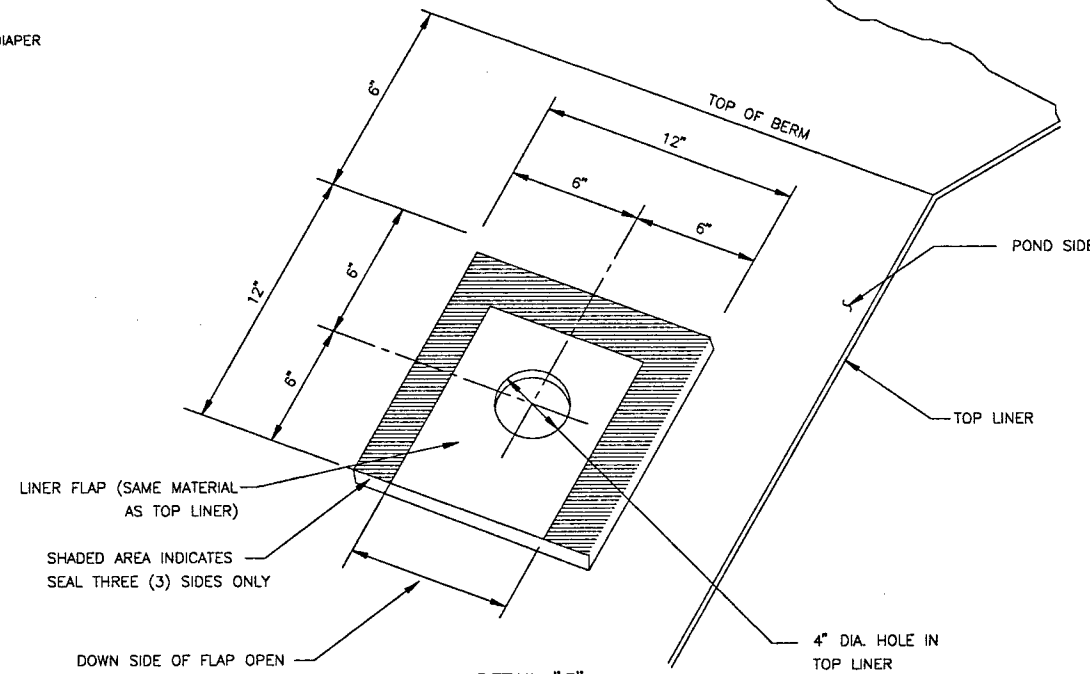
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STD-1-M337
NOT TO SCALE



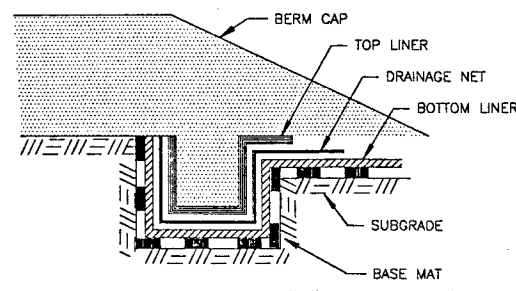
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STD-1-M337
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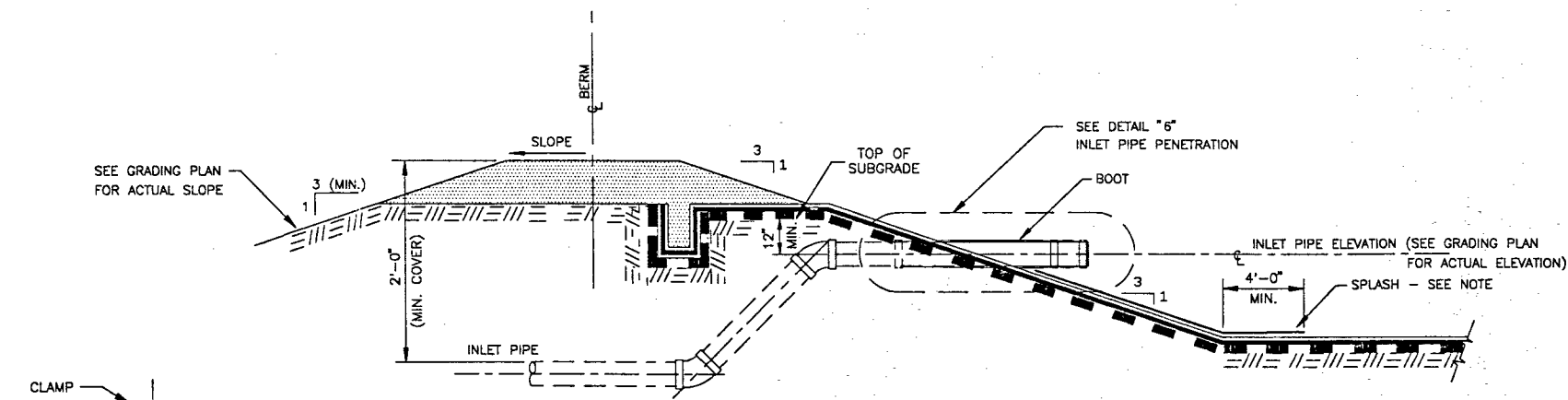
DETAIL "1"
LEAK DETECTION WELL
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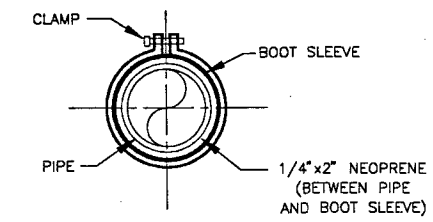
DETAIL "5"
LINER VENT
NOT TO SCALE



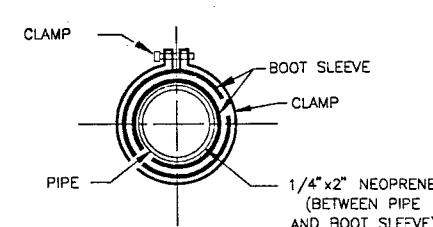
DETAIL "2"
LINER ANCHORAGE TRENCH
NOT TO SCALE



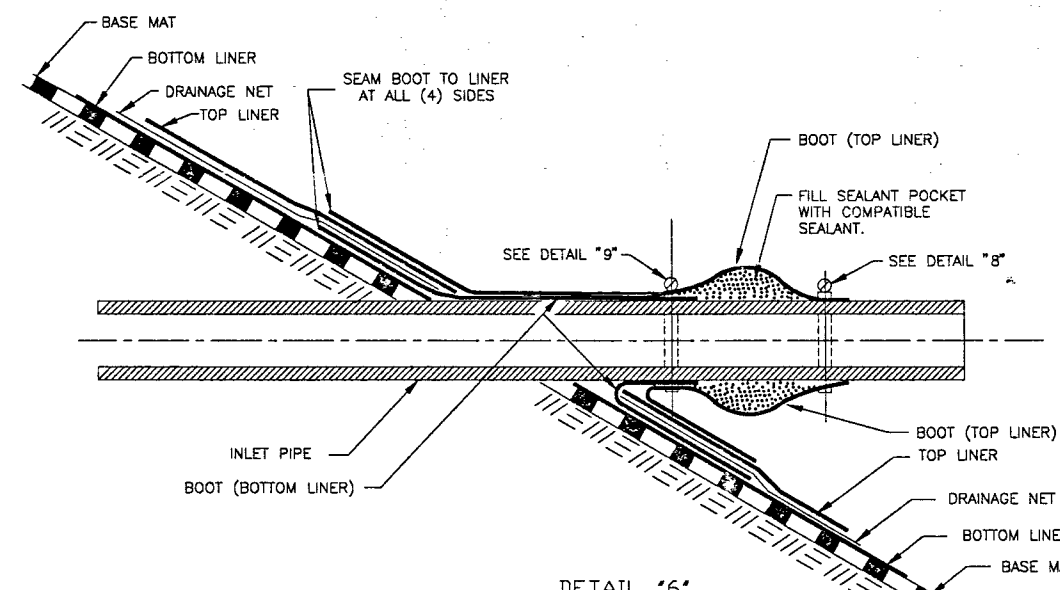
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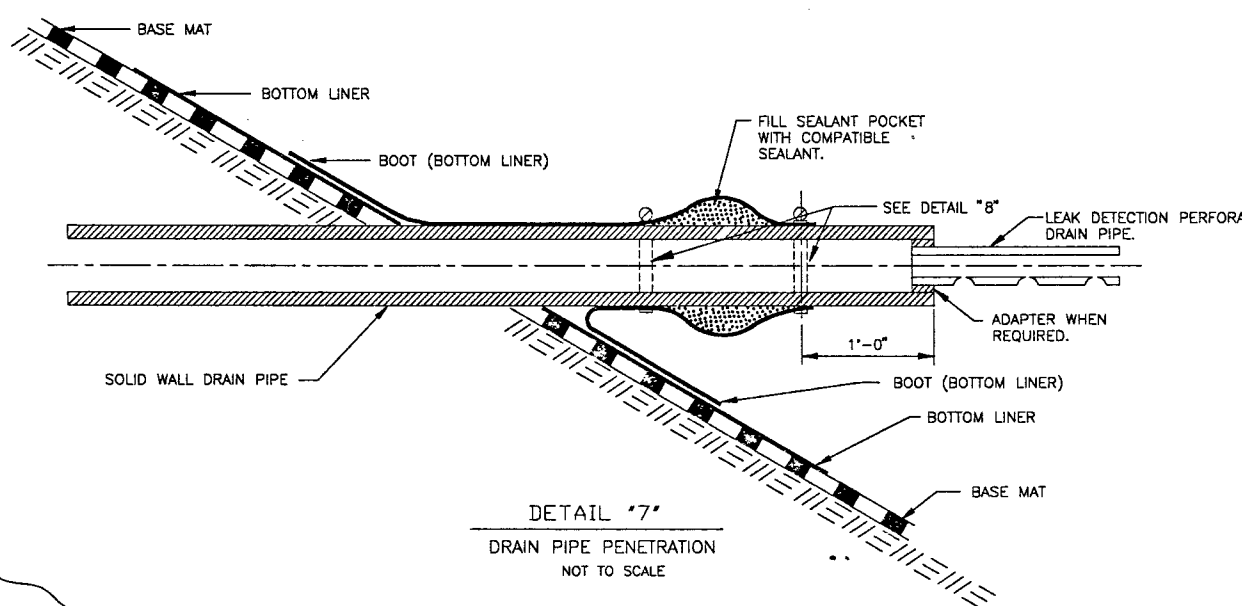
DETAIL "8"
SHOWING SINGLE BOOT CLAMP
NOT TO SCALE



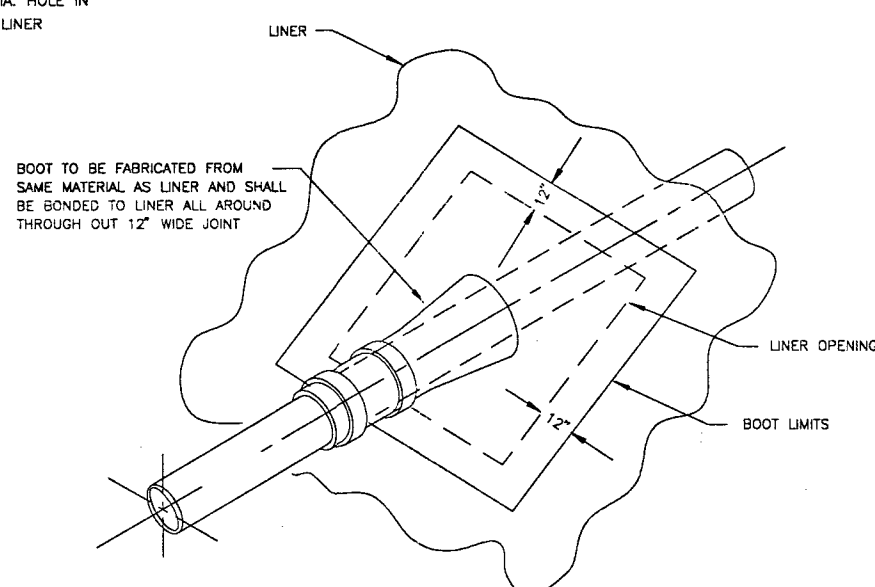
DETAIL "9"
SHOWING DOUBLE BOOT CLAMP
NOT TO SCALE



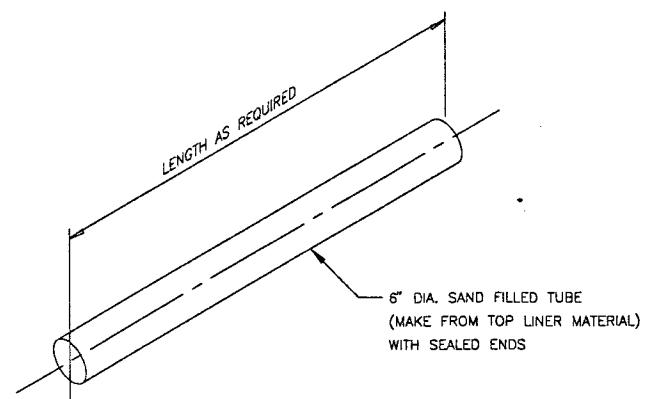
DETAIL "6"
INLET PIPE PENETRATION
NOT TO SCALE



DETAIL "7"
DRAIN PIPE PENETRATION
NOT TO SCALE

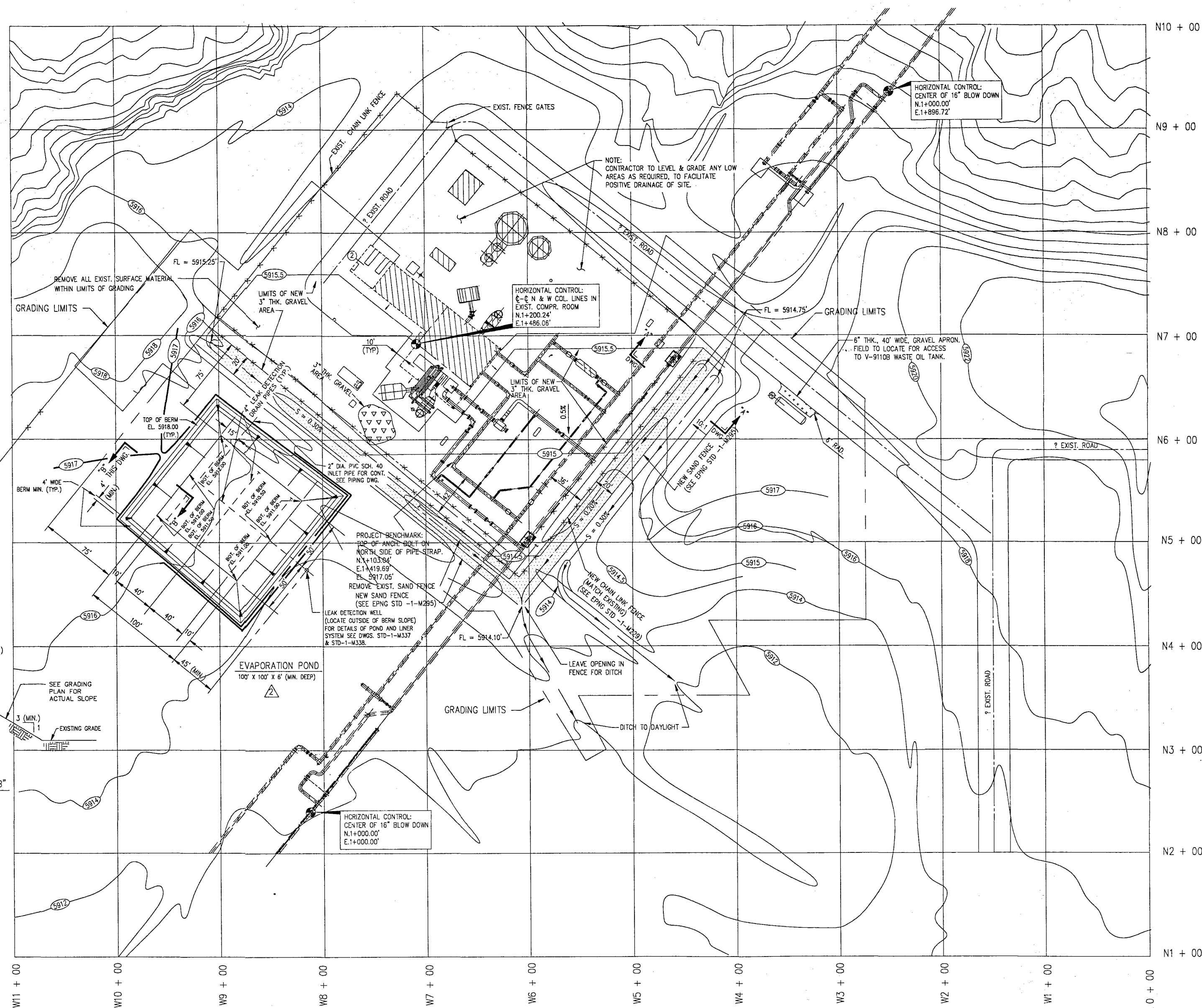


DETAIL "3"
SHOWING JOINT OF BOOT TO LINER
SEE DETAIL "6" & "7"
NOT TO SCALE



DETAIL "4"
POND LINER WEIGHT
NOT TO SCALE

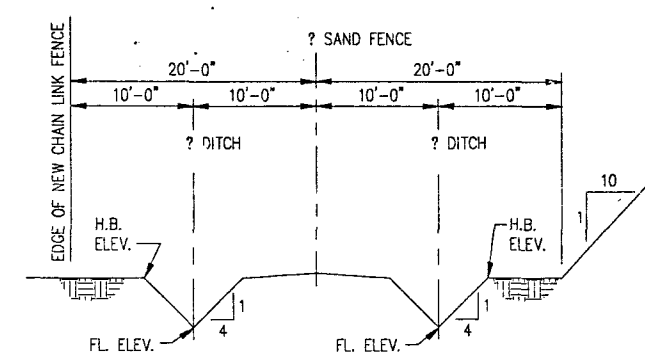
										ENG. RECORD DRAFTING DESIGN DK 3/28/94 CAD DRAFTING PD 3/28/94 CHECKED PROJECT APPROVAL 10/11/94 SURVEY DATE R/W NUMBER COMPUTER SAVE NAME STD254	DATE 3/28/94 3/28/94 5/11/94	EI Paso NATURAL GAS COMPANY EVAPORATION POND SECTIONS AND DETAILS	SCALE: NOTED DWG. NO. STD-1-M337 REV.
STD-1-M337 POND AND LINER WEIGHT PLANS DWG. NO. TITLE NO. DATE BY DESCRIPTION W.O. APP. PRT. SEP. DATE TO W.O.										PRINT RECORD			

[illegible]


1. FOR SITE CLEARING & GRUBBING, SEE F.E.& C. SPEC. JA-010.
2. FOR EARTHWORK SEE F.E.& C. SPEC. JA-010.
3. FOR ROAD AND PARKING AREA SUBGRADE PREPARATION SEE F.E.& C. SPEC. JA-010.
4. ALL NEW GRADE ELEVATIONS SHOWN ARE ACTUAL FINISHED GRADE ELEVATIONS.
5. ALL CUT & FILL SHALL HAVE POSITIVE DRAINAGE AWAY FROM ANY BUILDING OR EQUIPMENT.
6. NEW 3" THK. AREA GRAVEL COVER SHALL CONFORM TO F.E.& C. SPEC. JA-010.

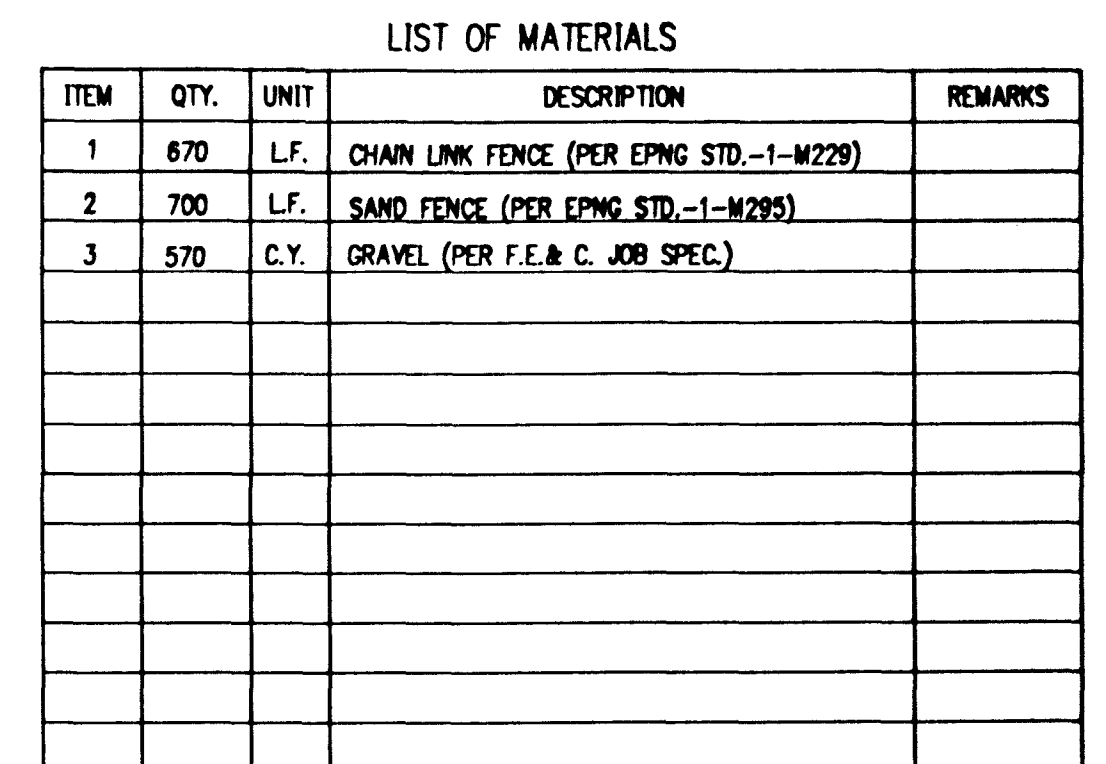
I.E.	INVERT ELEVATION
FL	FLOWLINE
S	DITCH SLOPE
H.R	HIGH BANK

NOTE:
ALL F. E. & C. HORIZONTAL CONTROL SHOWN ON THIS
DRAWING IS BASED ON PLANT NORTH AND
NOT TRUE NORTH. THE GRID SYSTEM SHOWN ON
THIS DRAWING IS BASED ON TRUE NORTH, AND IS
NOT RELATED TO HORIZONTAL CONTROL.



SECTION "A-A"

										ENG. RECORD DRAFTING DESIGN R.L. CAD DRAFTING R.L. CHECKED PROJECT APPROVAL SURVEY DATE		 El Paso NATURAL GAS COMPANY	
												WHITE ROCK COMPRESSOR STATION SITE GRADING PLAN	
												SCALE: 1" = 50' W.O.: L-4392	
												DWG. NO. 2RK2-M59	
												REV	



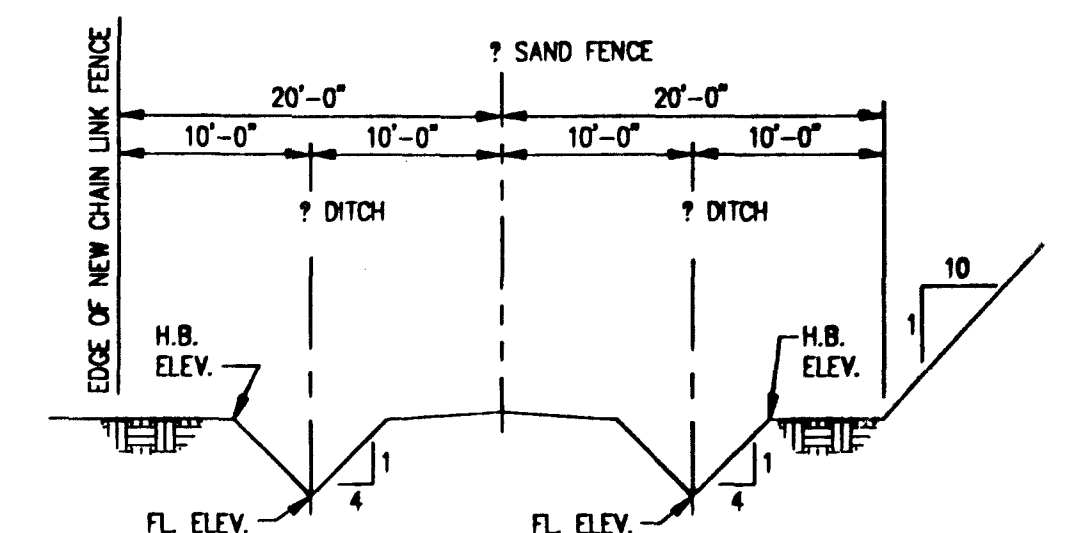
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I.E.	INVERT ELEVATION
FL	FLOWLINE
S	DITCH SLOPE
H.B.	HIGH BANK

The diagram illustrates various road construction features and their symbols:

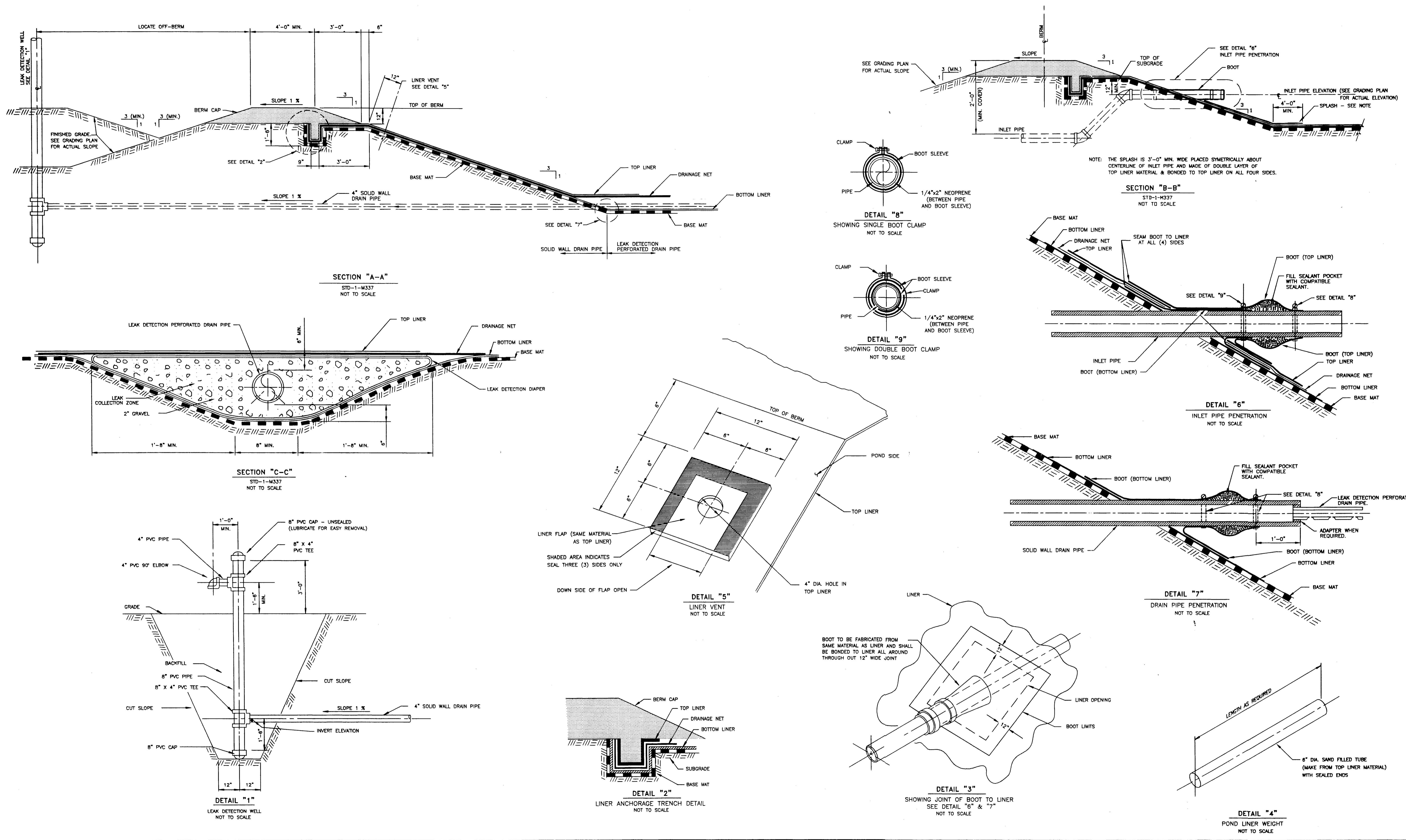
- EXISTING CONTOUR:** Represented by a curved line with a circle containing the number 5916.
- NEW FINISH GRADE CONTOUR:** Represented by a curved line with a circle containing the number 5916.
- NEW CHAIN LINK FENCE:** Represented by a line with cross-ticks.
- ROAD OR DRIVEWAY AGGREGATE SURFACE:** Represented by a rectangular area filled with a pattern of small triangles.
- ACCESS BETWEEN CHAIN LINK FENCE & SAND FILL:** Represented by a rectangular area filled with a stippled pattern.
- NEW DITCH FLOWLINE:** Represented by a line with arrows pointing in opposite directions.
- HORIZONTAL CONTROL:** Represented by a circle with a cross inside.


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