2R - 13

GENERAL CORRESPONDENCE

YEAR(S):

1994-

El Paso
Natural Gas Company

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

November 17, 1994

Mr. Bill Olson
New Mexico Oil Conservation Division
Environmental Bureau
P. O. Box 2088
Santa Fe, New Mexico 87504

Subject: El Paso Natural Gas (EPNG) Company Requests Approval of Pond Closure Plan for Inactive Turbine Blowdown Ponds at EPNG's Florida Compressor Station, Luna County, New Mexico.

Dear Mr. Olson:

El Paso Natural Gas Company (EPNG) provides the attached pond closure plan for two inactive compressor station blowdown ponds at the Florida Compressor Station in Luna County, New Mexico. The enclosed plan was developed from EPNG's Pit Closure Plan for Pits Outside the existing Vulnerable Groundwater Zone in the San Juan Basin, as submitted to the OCD by letter dated March 11, 1992. The prototype pit closure plan for the San Juan Basin was reviewed and approved by the OCD on March 13, 1992.

The ponds at the Florida Station have been inactive since 1986 when high and low pressure oil containment systems were installed to replaced the use of the ponds. Review of EPNG files do not indicate any previous documentation requesting approval for closure of the ponds. EPNG would like to properly close the ponds by the end of the 1994 calendar year.

With this letter, EPNG also submits analytical data concerning hazardous waste characteristics for the soil in both ponds. By process knowledge no herbicides or insecticides were disposed of in the subject ponds. The north pond was used for air washer system blowdown and raw water storage tank overflow. The south pond was used for scrubber blowdown.

Closure of the two blowdown ponds will be performed in accordance to the submitted plan unless otherwise specified by the OCD. If there are any questions concerning this matter or if additional information is found necessary, please feel free to contact me at (915) 541-3057.

Sincerely,

Martin A. Fong, Senior Engineer
Environmental Compliance

Attachments

Closure Plan for Turbine Blowdown Ponds Located at the Florida Compressor Station

Prepared for:
New Mexico Oil Conservation Division
November 17, 1994

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978
(915) 541-3057

Closure Plan for Turbine Blowdown
Ponds Located at the Florida Compressor Station

I. General Information

El Paso Natural Gas (EPNG) Company proposes to close two inactive turbine blowdown ponds located at the Florida Compressor Station in Luna County, New Mexico. The plan was developed from EPNG's Pit Closure Plan for Pits Outside the existing Vulnerable Groundwater Zone in the San Juan Basin, as earlier submitted to the OCD. The legal description for the Florida Station is the NE/4 of the SE/4 of Section 14 in Township 24-S and Range 6-W.

EPNG owns and operates two water producing wells within 1-1/2 miles of the site. The static water level information for each well and its location is provided by the following:

EPNG Well	Location	Total Well Depth	Depth to Water
Water Well No. 1:	SW/4 Sec. 18, T-24S, R-5W	298 ft.	63 ft.
Water Well No. 3:	SW/4 Sec. 18, T-24S, R-5W	302 ft.	88 ft.

EPNG well log records indicate wet soil conditions were encountered at 90 feet below surface level with the most water producing zones in formations between 255 and 297 feet below surface level. The State Engineers Office in Deming, New Mexico also provided the following information for registered water wells within the area:

Well Owner	Location	Total Well Depth	Depth-to-Water
W. Gambil	NW/4 Sec. 14, T-24S, R-6W	210 ft.	90 ft.
J. Brown	NW/4 Sec. 14, T-24S, R-6W	270 ft.	60 ft.
J. F. Greenwood	NW/4 Sec. 14, T-24S, R-6W	160 ft.	90 ft.
W. R. Johnson	SE/4 Sec. 14, T-24S, R-6W	240 ft.	68 ft.

II. Closure Plan

The subject compressor station blowdown ponds were used to collect liquids generated in the process of transporting natural gas. The two ponds have been labeled as North and South, respectively. The North pond was used to collect air washer system blowdown (rinse water) and raw water storage tank overflow. The South pond was used for collection of scrubber blowdown principally consisting of lubricating liquids removed by the station scrubbers from the pipeline system.

EPNG acknowledges that closing the blowdown ponds in the manner described below does not relieve the Company from any potential future responsibilities.

The following functions will be performed for the blowdown ponds to be closed:

1. An on-site EPNG inspector will coordinate all work activities to assure adherence to the provided closure plan.

2. All underground drain and blowdown line piping leading to the ponds will be capped, blinded, or disassembled and removed downstream of the primary shutoff valve.

3. Any "duck netting" will be removed from the site.

4. The pits have been inactive since 1986 and are currently free of liquids. If any liquids are accumulated in the ponds at time of closure, the liquids will be removed and properly disposed of.

5. The ponds will be thoroughly tilled to a depth of 6 inches and backfilled with the berm soil.

6. The entire pit area will be crowned to a height of 4 inches above grade.

III. Other Information

All correspondence regarding this plan and any questions concerning this matter should be directed to EPNG Transmission Operations, Environmental Compliance Engineering, at the address below:

Mr. Martin A. Fong
Senior Compliance Engineer
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978
(915) 541-3057

Affirmation

I hereby certify that I am familiar with the information contained in this correspondence submitted as the Closure Plan for two compressor station blowdown ponds located in Luna County, New Mexico. The information herein is true, accurate, and complete to the best of my knowledge and belief.

Signature

11-17-94
Date

Martin A. Fong
Printed Name

Senior Compliance Engineer
Title

SAMPLE KEY

SAMPLE NUMBER: S93-0413 LOCATION: FLORIDA STATION
MATRIX: SOIL
SAMPLE DESCRIPTION: NORTH POND
S D CONTINUED: COMPOSITE OF POND BOTTOM
S D CONTINUED:
SAMPLE TIME: 15:00 SAMPLE DATE: 07/30/93

BURLINGTON ENVIRONMENTAL

CORPORATE LABORATORY

General Laboratory Report

Lab Number:	48592		
Generator:	El Paso Natural Gas; Transmission Operations Lab		
Sample Type:	Soil; S93-0413		
Date of Receipt:	08/03/93	Analyst:	
Date of Report:	08/30/93	QC Checked:	Kathy Boyer
Parameters for Analysis:	TLCP Metals, Volatiles (8240) and Semi-Volatiles (8270)		
Outside Lab:	Sound	Outside Lab Report No:	33863

Data:

This soil sample, number S93-0413, was analyzed for TCLP Metals, Volatiles (by Method 8240) and Semi-Volatiles (by Method 8270) by Sound Analytical Services. A copy of the results is attached.

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Project Number	Project Name

Samplers: (Signature) Date:

Lab ID	Date	Time	Matrix	Sample Number	Total No. of Containers	Composite or Grab	Requested Analysis: TCLP Metals	Requested Analysis: TCLP 8240	Requested Analysis: TCLP 6270	Requested Analysis	Requested Analysis	Requested Analysis
48552	7/30/93	1500	Soil	S93-0413	1	C	X	X	X			

Contract Laboratory P.O. Number: BEI

Remarks

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dan A Campbell	8/2/93 1700				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
				8/3/93	Kathy Fraga

Requested Turnaround Time:
☒ Routine ☐ Rush _____

Carrier Co.

Bill No.:

Sample Receipt Remarks

Charge Code

Results & Invoices to:
South Region Laboratory
El Paso Natural Gas Company
8645 Railroad Drive
El Paso, Texas 79904

915-541-9228 FAX: 915-541-9335

White-Testing Laboratory Yellow-EPNG Lab Pink-Field Sampler

FM-08-0566 (9-91)

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

TRANSMITTAL MEMORANDUM

DATE: August 25, 1993

TO: Kathy Kreps
Burlington Environmental, Seattle Office

PROJECT NAME: EPNG

LABORATORY NUMBER: 33863

Enclosed is one original and one copy of the Tier I data deliverables package for Laboratory Work Order Number 33863. Eight samples were received for analysis at Sound Analytical Services, Inc., on August 4, 1993.

If there are any questions regarding this data package, please do not hesitate to call me at (206) 922-2310.

Sincerely,

Lila A Transue

Lila A. Transue
Project Manager

SOUND ANALYTICAL SERVICES, INC.

Burlington Environmental, Seattle Office
Project: EPNG

Lab No. 33863
August 24, 1993

Lab Sample No. 33863-2 Client ID: 48592 S930413
Matrix: Soil

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Volatile Organics per EPA SW-846 Method 8240
Date Extracted: 8-11-93
Date Analyzed: 8-20-93

Compound	Concentration (mg/L)	PQL (mg/L)	Max. Conc. (mg/L)	Flags
Vinyl Chloride	ND	0.010	0.2	
Chloroform	0.001	0.005	6.0	J
1,2-Dichloroethane	ND	0.005	0.5	
Carbon Tetrachloride	ND	0.005	0.5	
Benzene	ND	0.005	0.5	
Chlorobenzene	ND	0.005	100	
1,1-Dichloroethylene	ND	0.005	0.7	
Methyl Ethyl Ketone	0.002	0.025	200	J
Tetrachloroethylene	ND	0.005	0.7	
Trichloroethylene	ND	0.005	0.5	

ND - Not Detected
PQL - Practical Quantitation Limit

Surrogate Compound	Percent Recovery	Flags	Control Limits
Toluene - D8	98		88 - 110
Bromofluorobenzene	105		86 - 115
1,2-Dichloroethane D4	95		76 - 114

Continued . . . .

SOUND ANALYTICAL SERVICES, INC.

Burlington Environmental, Seattle Office
Project: EPNG

Lab No. 33863
August 24, 1993

Lab Sample No. 33863-2 Client ID: 48592 S930413
Matrix: Soil

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Semivolatile Organics per EPA SW-846 Method 8270
Date Extracted: 8-11-93
Date Analyzed: 8-20-93

Compound	Concentration (mg/L)	PQL (mg/L)	Max. Conc. (mg/L)	Flags
1,4-Dichlorobenzene	ND	0.009	7.5	
Hexachloroethane	ND	0.009	3.0	
Nitrobenzene	ND	0.009	2.0	
Hexachlorobutadiene	ND	0.009	0.5	
2,4,6-Trichlorophenol	ND	0.009	2.0	
2,4,5-Trichlorophenol	ND	0.009	400	
2,4-Dinitrotoluene	ND	0.009	0.13	
Hexachlorobenzene	ND	0.009	0.13	
Pentachlorophenol	ND	0.047	100	
o-Cresol	ND	0.009	200	
m & p-Cresol	ND	0.009	200	
Pyridine	ND	0.009	5.0	

ND - Not Detected
PQL - Practical Quantitation Limit

SEMIVOLATILE SURROGATES

Surrogate Compound	Percent Recovery	Flags	Control Limits Water	Control Limits Soil
Nitrobenzene - d_5	76		35 - 114	23 - 120
2-Fluorobiphenyl	71		43 - 116	30 - 115
p-Terphenyl-d_{14}	69		33 - 141	18 - 137
Phenol-d_6	26		10 - 94	24 - 113
2-Fluorophenol	44		21 - 100	25 - 121
2,4,6-Tribromophenol	90		10 - 123	19 - 122

Continued . . . .

SOUND ANALYTICAL SERVICES, INC.

Burlington Environmental, Seattle Office
Project: EPNG

Lab No. 33863
August 24, 1993

Lab Sample No. 33863-2 Client ID: 48592 S930413
Matrix: Soil

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311

ICP Metals by EPA Method 6010
Date Extracted: 8-11-93
Date Analyzed: 8-16-93

Parameter	Concentration (mg/L)	PQL	Max Conc., (mg/L)
Arsenic	ND	0.10	5.0
Barium	0.77	0.005	100.0
Cadmium	ND	0.005	1.0
Chromium	ND	0.01	5.0
Lead	ND	0.05	5.0
Selenium	ND	0.15	1.0
Silver	ND	0.01	5.0

Mercury by Cold Vapor AA Method 7470
Date Analyzed: 8-17-93

Parameter	Concentration (mg/L)	PQL	Max Conc., (mg/L)
Mercury	ND	0.002	0.2

ND - Not Detected
PQL - Practical Quantitation Limit

Continued . . . .

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

TCLP VOLATILE ORGANICS PER EPA SW-846 METHOD 8240

Client: Burlington Environmental, Seattle Facility
Lab No: 33863qc4
Units: mg/L
Date: August 24, 1993

Date Analyzed: 8-20-93

METHOD BLANK

Compound	Result	PQL	Flags
Vinyl Chloride	ND	0.010	
Chloroform	ND	0.005	
1,2-Dichloroethene	ND	0.005	
Carbon Tetrachloride	ND	0.005	
Benzene	ND	0.005	
Chlorobenzene	ND	0.005	
1,1-Dichloroethylene	ND	0.005	
Methyl Ethyl Ketone	ND	0.025	
Tetrachloroethene	ND	0.005	
Trichloroethylene	ND	0.005	

ND - Not Detected
PQL - Practical Quantitation Limit

VOLATILE SURROGATES

Surrogate Compound	Percent Recovery	Flags	Control Limits Water	Soil
Toluene - D8	102		88 - 110	81 - 117
Bromofluorobenzene	106		86 - 115	74 - 121
1,2-Dichloroethane-D4	94		76 - 114	70 - 121

Continued . . . . . .

SOUND ANALYTICAL SERVICES, INC.

QUALITY CONTROL REPORT

TCLP VOLATILE ORGANICS PER EPA SW-846 METHOD 8240

Client: Burlington Environmental, Seattle Facility
Lab No: 33863qc4
Units: mg/L
Date: August 24, 1993

Date Analyzed: 8-22-93

METHOD BLANK

Compound	Result	PQL	Flags
Vinyl Chloride	ND	0.40	
Chloroform	ND	0.20	
1,2-Dichloroethene	ND	0.20	
Carbon Tetrachloride	ND	0.20	
Benzene	ND	0.20	
Chlorobenzene	ND	0.20	
1,1-Dichloroethylene	ND	0.20	
Methyl Ethyl Ketone	ND	1.0	
Tetrachloroethene	ND	0.20	
Trichloroethylene	ND	0.20	

ND - Not Detected
PQL - Practical Quantitation Limit

VOLATILE SURROGATES

Surrogate Compound	Percent Recovery	Flags	Control Limits Water	Soil
Toluene - D8	98		88 - 110	81 - 117
Bromofluorobenzene	102		86 - 115	74 - 121
1,2-Dichloroethane-D4	96		76 - 114	70 - 121

Continued . . . . .

SOUND ANALYTICAL SERVICES, INC.

QUALITY CONTROL REPORT

TCLP VOLATILE ORGANICS PER EPA SW-846 METHOD 8240

Client: Burlington Environmental, Seattle Facility
Lab No: 33863qc4
Units: mg/L
Date: August 24, 1993

Date Analyzed: 8-23-93

METHOD BLANK

Compound	Result	PQL	Flags
Vinyl Chloride	ND	0.010	
Chloroform	ND	0.005	
1,2-Dichloroethene	ND	0.005	
Carbon Tetrachloride	ND	0.005	
Benzene	ND	0.005	
Chlorobenzene	ND	0.005	
1,1-Dichloroethylene	ND	0.005	
Methyl Ethyl Ketone	0.006	0.025	J
Tetrachloroethene	ND	0.005	
Trichloroethylene	ND	0.005	

ND - Not Detected
PQL - Practical Quantitation Limit

VOLATILE SURROGATES

Surrogate Compound	Percent Recovery	Flags	Control Limits Water	Soil
Toluene - D8	100		88 - 110	81 - 117
Bromofluorobenzene	101		86 - 115	74 - 121
1,2-Dichloroethane-D4	100		76 - 114	70 - 121

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

TCLP SEMIVOLATILE ORGANICS PER EPA METHOD 8270

Client: Burlington Environmental, Seattle Facility
Lab No: 33863qc3
Units: mg/L
Date: August 24, 1993
Blank No: SBLK88-S9474

METHOD BLANK

Compound	Result	PQL	Flags
1,4-Dichlorobenzene	ND	0.010	
Hexachloroethane	ND	0.010	
Nitrobenzene	ND	0.010	
Hexachlorobutadiene	ND	0.010	
2,4,6-Trichlorophenol	ND	0.010	
2,4,5-Trichlorophenol	ND	0.010	
2,4-Dinitrotoluene	ND	0.010	
Hexachlorobenzene	ND	0.010	
o-Cresol	ND	0.010	
m & p-Cresol	ND	0.010	
Pentachlorophenol	ND	0.050	
Pyridine	ND	0.010	

ND - Not Detected.
PQL - Practical Quantitation Limit

Semivolatile Surrogates

Surrogate Compound	Percent Recovery	Flags	Control Limits Water	Control Limits Soil
Nitrobenzene - d_5	80		35 - 114	23 - 120
2-Fluorobiphenyl	64		43 - 116	30 - 115
p-Terphenyl-d_{14}	70		33 - 141	18 - 137
Phenol-d_6	32		10 - 94	24 - 113
2-Fluorophenol	51		21 - 100	25 - 121
2,4,6-Tribromophenol	79		10 - 123	19 - 122

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

TCLP Metals

Client: Burlington Environmental, Seattle Facility
Lab No: 33863qc2
Units: mg/L
Date: August 24, 1993

METHOD BLANK

Parameter	Result	PQL
Arsenic	ND	0.10
Barium	ND	0.005
Cadmium	ND	0.005
Chromium	ND	0.01
Lead	ND	0.05
Mercury	ND	0.002
Selenium	ND	0.15
Silver	ND	0.01

ND - Not Detected
PQL - Practical Quantitation Limit

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206) 922-2310 - FAX (206) 922-5047

DATA QUALIFIER FLAGS

ND: Indicates that the analyte was analyzed for but was not detected. The associated numerical value is the practical quantitation limit, corrected for sample dilution.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

C: The identification of this analyte was confirmed by GC/MS.

B1: This analyte was also detected in the associated method blank. The reported sample results have been adjusted for moisture, final exract volume, and/or dilutions performed during extract preparation. The analyte concentration was evaluated prior to sample preparation adjustments, and was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was also detected in the associated method blank. However, the analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

E: The concentration of this analyte exceeded the instrument calibration range.

D: The reported result for this analyte is calculated based on a secondary dilution factor.

A: This TIC is a suspected aldol-condensation product.

M: Quantitation Limits are elevated due to matrix interferences.

S: The calibration quality control criteria for this compound were not met. The reported concentration should be considered an estimated quantity.

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product. Further testing is suggested for identification.

X3: Identification and quantification of peaks was complicated by matrix interference; GC/MS confirmation is recommended.

X4: RPD for duplicates outside QC limits. Sample was re-analyzed with similar results. Sample matrix is nonhomogeneous.

X4a: RPD for duplicates outside QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike was diluted out during analysis.

X6: Recovery of matrix spike outside QC limits. Sample was re-analyzed with similar results.

X7: Recovery of matrix spike outside QC limits. Matrix interference is indicated by blank spike recovery data.

X7a: Recovery and/or RPD values for MS/MSD outside QC limits due to high contaminant levels.

X8: Surrogate was diluted out during analysis.

X9: Surrogate recovery outside QC limits due to matrix composition.

X10: Surrogate recovery outside QC limits due to high contaminant levels.

SAS 538603

BURLINGTON ENVIRONMENTAL
2203 Airport Way South, Suite 400
Seattle, WA 98134
206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 8/4/93 PAGE 1 OF 1

PROJECT EPNG # _____
CLIENT INFO. CONTACT _____
CHEMPRO DIVISION/GENERATOR NAME R. Kreps
TELEPHONE # 223-0580
SAMPLERS NAME _____ PHONE # _____
SAMPLERS SIGNATURE _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE
1.			48588-2	Diesel
2.				
3.				
4.				
5.				
6.				
7.				
8.				

ANALYSIS REQUESTED

BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Tl, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	OTHER (Specify)						NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
							X											

Relinquished By	Relinquished By	Relinquished By
Signature D. Kreps	Signature J. Palmquist	Signature
Printed Name R. Kreps	Printed Name SAS	Printed Name
Firm 8/4/93 1530	Firm 8-5-93 11:40A	Firm
Date/Time	Date/Time	Date/Time
Received By J. Palmquist	**Received By** Mary Curtiss	**Received By**
Signature J. PALMQUIST	**Signature** Mary Curtiss	**Signature**
Printed Name SAS	**Printed Name** SAS	**Printed Name**
Firm 8-5-93 9:40A	**Firm** 8/5/93 11:40	**Firm**
Date/Time	**Date/Time**	**Date/Time**

SPECIAL INSTRUCTIONS/COMMENTS:

Sample sent on 8/4/93
This is an additional request.

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator.

(LAB-200 Rev. 10/90)

BURLINGTON ENVIRONMENTAL
2203 Airport Way South, Suite 400
Seattle, WA 98134
206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

to Jim L

DATE 8/3/93 PAGE 1 OF 1

PROJECT EPNG # _____
CLIENT INFO. CONTACT _____
CHEMPRO DIVISION/GENERATOR NAME Kathy Kreps
TELEPHONE # 223-0500
SAMPLERS NAME _____ PHONE # _____
SAMPLERS SIGNATURE _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Tl, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	OTHER (Specify) TCLP VOA's 8240	OTHER (Specify) BTX					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. S93-0411	7/30/93	1000	48591	Soil								X		X									
2. S93-0413	7/30/93	1500	48592	Soil								X		X									
3. S93-0417	8/2	1550	48588-1	Oil												X	X						
4. S93-0418	8/2	1602	48588-2	Oil								✓				X	X						
5. S93-0419	8/2	1608	48588-3	Oil												X	X						
6. S93-0416	8/2	1454	48589	Oil												X	X						
7. S93-0414	8/2	1406	48590-1	Oil												X	X						
8. S93-045	8/2	1410	48590-2	Oil												X	X						

Relinquished By	Relinquished By	Relinquished By
Signature	Signature	Signature
Printed Name	Printed Name	Printed Name
Firm	Firm	Firm
8/3/93 1111	8-4-93 1:00P	Date/Time
Date/Time		
Received By	**Received By**	**Received By**
Signature	Signature	Signature
Printed Name	Printed Name	Printed Name
Firm	Firm	Firm
8-4-93 16:45	8/4/93 100 pm	Date/Time
Date/Time	Date/Time	

SPECIAL INSTRUCTIONS/COMMENTS:

Add TCLP metals to 48588-2

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator.

(LAB-200 Rev. 10/90)

SAMPLE KEY

SAMPLE NUMBER: S94-0669 LOCATION: FLORIDA STATION
MATRIX: SOIL
SAMPLE DESCRIPTION: SOUTH BLOWDOWN POND
S D CONTINUED: COMPOSITE
S D CONTINUED:
SAMPLE TIME: 12:20 SAMPLE DATE: 10/21/94

BURLINGTON
ENVIRONMENTAL
A Philip Environmental Company

November 4, 1994

Darrell Campbell
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX 79904

Laboratory Job Number: 1072

On October 25 we received 1 sample(s).
We performed the following analyses:

All samples were analyzed according to Methods specified in the work plan or Chain of Custody. Any deviations or exceptions to the standard methods are covered in Data Validation Notes.

All samples were extracted and analyzed within required holding times unless so noted.
Lab Notes:

Sample was submitted to Sound Analytical Services for analyis of TCLP Metals, VOAs and Semi-VOAs. A copy of the results is attached.

Analysis and review was complete on November 4.

Sincerely,

Kathy Kreps
Lab Manager
(206) 227-6100
Burlington Environmental Corporate Lab
Washington Accreditation #C021

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

PROJECT NUMBER:
PROJECT NAME:
SAMPLERS: (Signature)
DATE:
CONTRACT LABORATORY P. O. NUMBER: BEI

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	COMPOSITE OR GRAB	TCLP Metals	TCLP 8240	TCLP 8270				REMARKS
	10/21/94	12:20	Soil	594-0669	1	C	X	X	X				94-A1621

BLSP #1072

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Darrell Campbell	10/24/94 1400			10/25 10:36	B. Batten

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME: ☐ ROUTINE ☒ RUSH ASAP

CARRIER CO.:

BILL NO.:

SAMPLE RECEIPT REMARKS:

CHARGE CODE:

RESULTS & INVOICES TO:
TRANSMISSION OPERATIONS LABORATORY
EL PASO NATURAL GAS COMPANY
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904
915-541-9226 FAX: 915-541-9335

White - Testing Laboratory Canary - EPNG Lab Pink - Field Sampler

FM-06-0566 (Rev. 11-92)

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

TRANSMITTAL MEMORANDUM

DATE: October 27, 1994

TO: Kathy Kreps
Burlington Environmental Laboratory

PROJECT: EPNG
P.O. No. 51862

LABORATORY NUMBER: 44070

Enclosed are the original and one copy of the Tier II data deliverables package for Laboratory Work Order Number 44070. One sample was received for analysis at Sound Analytical Services, Inc., on October 25, 1994.

Should there be any questions regarding this data package, please do not hesitate to call me at (206) 922-2310.

Sincerely,

Lila A Transue

Lila A. Transue
Project Manager

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: Burlington Environmental Laboratory Date: October 27, 1994

Report On: Analysis of Soil Lab No.: 44070

IDENTIFICATION:
Sample received on 10-25-94
Project: EPNG
P.O. No. 51862

ANALYSIS:

Lab Sample No. 44070-1 Client ID: S94-0669
94A6621

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
ICP Metals by EPA Method 6010
Date Extracted: 10-25-94
Date Analyzed: 10-26-94
Units: mg/L

Parameter	Result	PQL	Max Conc.
Arsenic	ND	0.10	5.0
Barium	1.6	0.005	100.0
Cadmium	ND	0.005	1.0
Chromium	ND	0.01	5.0
Lead	ND	0.05	5.0
Selenium	ND	0.15	1.0
Silver	ND	0.01	5.0

Mercury by Cold Vapor AA Per EPA Method 7470
Date Analyzed: 10-26-94
Units: mg/L

Parameter	Result	PQL	Max Conc.
Mercury	ND	0.002	0.2

ND - Not Detected
PQL - Practical Quantitation Limit

SOUND ANALYTICAL SERVICES, INC.

Client Name	Burlington Environmental Laboratory
Client ID:	S94-0669 94A6621
Lab ID:	44070-01
Date Received:	10/25/94
Date Prepared:	10/27/94
Date Analyzed:	10/27/94
% Solids	-

TCLP Volatile Organics by USEPA Method 8240

Surrogate	% Recovery	Flags	Recovery Limits Low	High
1,2-Dichloroethane-d4	91		76	114
Toluene-d8	100		88	110
Bromofluorobenzene	105		86	115

Analyte	Result (mg/L)	PQL	Flags
Vinyl Chloride	ND	0.01	
1,1-Dichloroethene	ND	0.005	
Chloroform	ND	0.005	
1,2-Dichloroethane	ND	0.005	
2-Butanone (MEK)	ND	0.005	
Carbon Tetrachloride	ND	0.005	
Trichloroethene	ND	0.005	
Benzene	ND	0.005	
Tetrachloroethene	ND	0.005	
Chlorobenzene	ND	0.005	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Burlington Environmental Laboratory
Client ID:	S94-0669 94A6821
Lab ID:	44070-01
Date Received:	10/25/94
Date Prepared:	10/26/94
Date Analyzed:	10/26/94
% Solids	-

TCLP Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	68		35	114
2 - Fluorobiphenyl	65		43	116
p - Terphenyl - d14	70		33	141
Phenol - d5	22		10	94
2 - Fluorophenol	46		21	100
2,4,6 - Tribromophenol	80		10	123

Analyte	Result (mg/L)	PQL	Flags
1,4-Dichlorobenzene	ND	0.033	
2-Methylphenol	ND	0.033	
3 & 4-Methylphenol	ND	0.033	
Hexachloroethane	ND	0.033	
Nitrobenzene	ND	0.033	
Hexachlorobutadiene	ND	0.033	
2,4,6-Trichlorophenol	ND	0.033	
2,4,5-Trichlorophenol	ND	0.033	
2,4-Dinitrotoluene	ND	0.033	
Hexachlorobenzene	ND	0.033	
Pentachlorophenol	ND	0.17	
Pyridine	ND	0.033	

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS
4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

TCLP Metals

Client: Burlington Environmental Laboratory
Lab No: 44070qc
Units: mg/L
Date Extracted: 10-25-94
Date Analyzed: 10-26-94

METHOD BLANK

Parameter	Result	PQL
Arsenic	ND	0.10
Barium	ND	0.005
Cadmium	ND	0.005
Chromium	ND	0.01
Lead	ND	0.05
Mercury	ND	0.002
Selenium	ND	0.15
Silver	ND	0.01

ND = Not Detected
PQL = Practical Quantitation Limit

SOUND ANALYTICAL SERVICES, INC.

QUALITY CONTROL REPORT

TCLP Metals

Client: Burlington Environmental Laboratory
Lab No: 44070qc
Units: mg/L
Date Extracted: 10-25-94
Date Analyzed: 10-26-94

MATRIX SPIKE

MS No. 44070-1

Parameter	Sample Result	Spiked Sample Result	Spike Added	%R
Arsenic	ND	4.8	5.0	96
Barium	1.6	2.5	1.0	90
Cadmium	ND	0.85	1.0	85
Chromium	ND	4.2	5.0	84
Lead	ND	4.2	5.0	84
Mercury	ND	0.015	0.020	75
Selenium	ND	0.88	1.0	88

%R = Percent Recovery
ND = Not Detected

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - SV114
Date Received:	-
Date Prepared:	10/26/94
Date Analyzed:	10/26/94
% Solids	-

TCLP Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Nitrobenzene - d5	72		35	114
2 - Fluorobiphenyl	63		43	116
p - Terphenyl - d14	69		33	141
Phenol - d5	16		10	94
2 - Fluorophenol	48		21	100
2,4,6 - Tribromophenol	56		10	123

Analyte	Result (mg/L)	PQL	Flags
1,4-Dichlorobenzene	ND	0.033	
2-Methylphenol	ND	0.033	
3 & 4-Methylphenol	ND	0.033	
Hexachloroethane	ND	0.033	
Nitrobenzene	ND	0.033	
Hexachlorobutediene	ND	0.033	
2,4,6-Trichlorophenol	ND	0.033	
2,4,5-Trichlorophenol	ND	0.033	
2,4-Dinitrotoluene	ND	0.033	
Hexachlorobenzene	ND	0.033	
Pentachlorophenol	ND	0.17	
Pyridine	ND	0.033	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - A0482
Date Received:	-
Date Prepared:	10/27/94
Date Analyzed:	10/27/94
% Solids	-

TCLP Volatile Organics by USEPA Method 8240

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1,2-Dichloroethane-d4	90		76	114
Toluene-d8	100		88	110
Bromofluorobenzene	103		86	115

Analyte	Result (mg/L)	PQL	Flags
Vinyl Chloride	ND	0.01	
1,1-Dichloroethene	ND	0.005	
Chloroform	ND	0.005	
1,2-Dichloroethane	ND	0.005	
2-Butanone (MEK)	ND	0.005	
Carbon Tetrachloride	ND	0.005	
Trichloroethene	ND	0.005	
Benzene	ND	0.005	
Tetrachloroethene	ND	0.005	
Chlorobenzene	ND	0.005	

SOUND ANALYTICAL SERVICES

Blank Spike/Blank Spike Duplicate Report

Lab ID: SAO482
Date Prepared: 10/27/94
Date Analyzed: 10/27/94

Volatile Organics by USEPA Method 8240

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Vinyl Chloride	0	0.05	0.026	52	0.028	56	7.4	
1,1-Dichloroethene	0	0.05	0.04	80	0.042	84	4.9	
Chloroform	0	0.05	0.034	68	0.035	70	2.9	
1,2-Dichloroethane	0	0.05	0.032	64	0.033	66	3.1	
2-Butanone (MEK)	0	0.05	0.024	48	0.026	52	8.0	
Carbon Tetrachloride	0	0.05	0.035	70	0.036	72	2.8	
Trichloroethene	0	0.05	0.043	86	0.044	88	2.3	
Benzene	0	0.05	0.043	86	0.043	86	0.0	
Tetrachloroethene	0	0.05	0.042	84	0.043	86	2.4	
Chlorobenzene	0	0.05	0.042	84	0.043	86	2.4	

BURLINGTON ENVIRONMENTAL

Chain of Custody/ Laboratory Analysis Request

DATE 10/25/94 PAGE 1 OF 1

PROJECT EPNG

CLIENT INFO. CONTACT Kathy Kreps

BURLINGTON DIVISION/GENERATOR NAME

TELEPHONE # 227-6100

SAMPLERS NAME PHONE #

SAMPLERS SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. OC/MS/625/8270	VOLATILE ORGANICS OC/MS/624/8240	PCB's 608 8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS 0004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Tl, Sb, Zn	TCLP ORGANICS (specify methods)	DISCHARGE TESTING	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. 594-0669	10/21/94	12:20	94A6621	Soil								X		X			1	
2.																		
3																		
4.																		
5.																		
6.																		
7																		
8.																		

Relinquished By	Relinquished By	Relinquished By
Signature KATHY KREPS	Signature J.S. HALLQUIST	Signature
Printed Name BEI LAB	Printed Name SAS	Printed Name
Firm 10/25/94 1035	Firm 10-25-94	Firm
Date/Time	Date/Time 12:00 P	Date/Time
Received By	**Received By**	**Received By**
Signature J.S. HALLQUIST	Signature	Signature
Printed Name SAS	Printed Name SAS	Printed Name
Firm 10-25-94	Firm 10-25-94 1202	Firm
Date/Time 1:30 AM	Date/Time	Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:

RUSH PLEASE!

DISTRIBUTION: WHITE - return to originator, YELLOW - lab, PINK - retained by originator.

(LAB-200 Rev. 10/90)

TOTAL P.13