GW - 109

GENERAL CORRESPONDENCE

YEAR(S):
2006 - 1998

Transwestern Pipeline

6381 North Main Street
Roswell, NM 88201

505.625.8022 Fax: 505.627.8172

Larry Campbell
Division Environmental Specialist

October 5, 2006

UPS Confirmation No. 1Z 875 525 03 4303 7824

Mr. Wayne Price
Oil conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87504

Reference: Underground Drain Line Testing, Transwestern Pipeline Company, Compressor Station WT 1, Discharge Plan GW-109

Dear Mr. Price:

The following letter report presents the results of the underground drain line testing at the Transwestern Pipeline Company (Transwestern) Compressor Station WT 1, Carlsbad, New Mexico. This station is currently operating under OCD Discharge Plan 109, which requires drain line testing to be conducted on all underground drain lines once every five years (condition 10 of plan). The testing program was conducted using the methodology submitted by letter to the Oil Conservation Division (OCD) on July 8, 1997, which was then approved by the Division on July 16, 1997.

METHODOLOGY

The testing program was initiated on October 1, 2006. The following drain line systems at the facility were hydrostatically tested:

Drain Line System	Length of Line (ft.)	Size of pipe (in.)
Mist Extractor pump to Pipeline Condensate Tank	71	2.0 steel
Sump Pump to Mist Extractor	172	2.0 steel
Pig Trap Sump to Pump	62	2.0 steel
Valve and Fuel Skid drains to Mist Extractor	506	2.0 steel
Wash Bay Sump to Pump	12	2.0 steel
Wash Bay Pump to OWW (1)	250	2.0 steel
Compressor Building Sump to OWW (1)	460	3.0 steel
Compressor Building Header to Sump	101	8.0 steel
Compressor Building drains to Header	400	4.0 steel
New Oil Tanks to Compressor Building	260	2.0 steel
New Gear Oil Tank to Compressor Building	297	2.0 steel

New Glycol Tank to Compressor Building	247	2.0 steel
Used Oil Tank to Truck Loading Point	66	3.0 steel
Filter Tank Pump to Used Oil Tank	66	2.0 steel
Used Oil from Compressor Building to Used Oil tank	175	2.0 steel
Pig Barrel Drain to Mist Extractor	269	4.0 steel
Pig Trap to Pig Trap Sump	3	4.0 PVC

(1)Oily Waste Water
Note:
New Engine Oil and New Gear Oil lines were tested using the new oil from the tanks to prevent water contamination.
Scrubber Dump Drains at this station are under constant pressure, and were not tested

For each drain line tested, the following methodology was employed. A test header was constructed by isolating each drain line and attaching and sealing a 90 degree elbow to one of the two drain pipe ends. A seven (7) ft vertical pipe was attached and sealed to the exposed vertical end of the 90 degree elbow. At the horizontal terminal end of the exposed drain pipe a test plug was temporarily inserted and sealed. The drain line and attached test header were then filled with water to a marked level on the vertical pipe of 6.95 ft. above the horizontal elevation of the drain pipe. This water level head created a positive pressure of 3.0 psi on the existing piping system. This pressure was then allowed to equilibrate in the pipe and the test was conducted for a period of thirty minutes to determine water loss in the pipe. Any water leakage will be indicated by a drop in the water level of the vertical pipe below the 6.95 ft mark.

RESULTS

It was discovered during testing that the drain line from the Pig Trap Sump to the Pump had developed a small leak, due to a loosened pipe coupling. The coupling was tightened and the line was successfully retested. The small volume of contaminated soil was removed from the area and taken to a commercial landfarm facility.

All other drain line testing recorded no instances where the water level in the vertical stand pipe receded below the water level mark of 6.95 ft. Based upon the results of this study, Transwestern concludes that the integrity of the underground drain line systems at this facility are intact and that no further actions are required on these lines.

Should you desire additional information concerning this testing procedure or report, please contact the undersigned at (505) 625-8022.

Sincerely,

Larry Campbell

Larry Campbell
Division Environmental Specialist

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

October 18, 2004

Mr. George C. Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 77095

Dear Mr. Robinson:

I have taken over most of Bill Olson's projects and the remediation at the Transwestern WT-1 facility is one of them.

We have received your work plan dated October 11, 2004 proposing an additional monitor well north of existing MW-14. This work plan is hereby approved. It is understood, that the procedures described in your attachment to this document will be followed. This approval is contingent upon those procedures, which OCD considers an integral part of the work plan. The attachment, dated October 4, 2004, describes the procedures for the drilling and completion of the aforementioned new monitor well.

This approval does not relieve Transwestern Pipeline Co. (TW) of any future liability should its operations at this site prove to have been detrimental to public health or the environment. Nor does it relieve TW of its responsibility to comply with the rules and regulations of any other governmental agency.

If you have any questions, contact me at (505) 476-3492 or emartin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Cc: Chris Williams, OCD, Hobbs
Larry Campbell, Transwestern Pipeline Co., Roswell

Cypress Engineering

7171 Highway 6 North, Suite 102
Houston, Texas 77095
(281) 797-3420 office
(281) 859-1881 fax

October 11, 2004

Mr. William C. Olson
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Engine Room Drain Pit Area
WT-1 Compressor Station
Case # GW109R

Cypress Engineering, on behalf of Transwestern Pipeline Company (TW), proposes to install one additional groundwater monitor well in an effort to complete delineation of the downgradient extent of affected groundwater. Presently, the lateral extent of affected groundwater has been defined in all directions except to the north, downgradient of existing monitor well MW-14. The location of the proposed well is 150 feet downgradient of well MW-14 as indicated on the attached site diagram. Drilling and completion details for the proposed well are provided in the attached request-for-proposal. Drilling activities are tentatively scheduled for the week of November 15, 2004 pending approval of this work plan by your office.

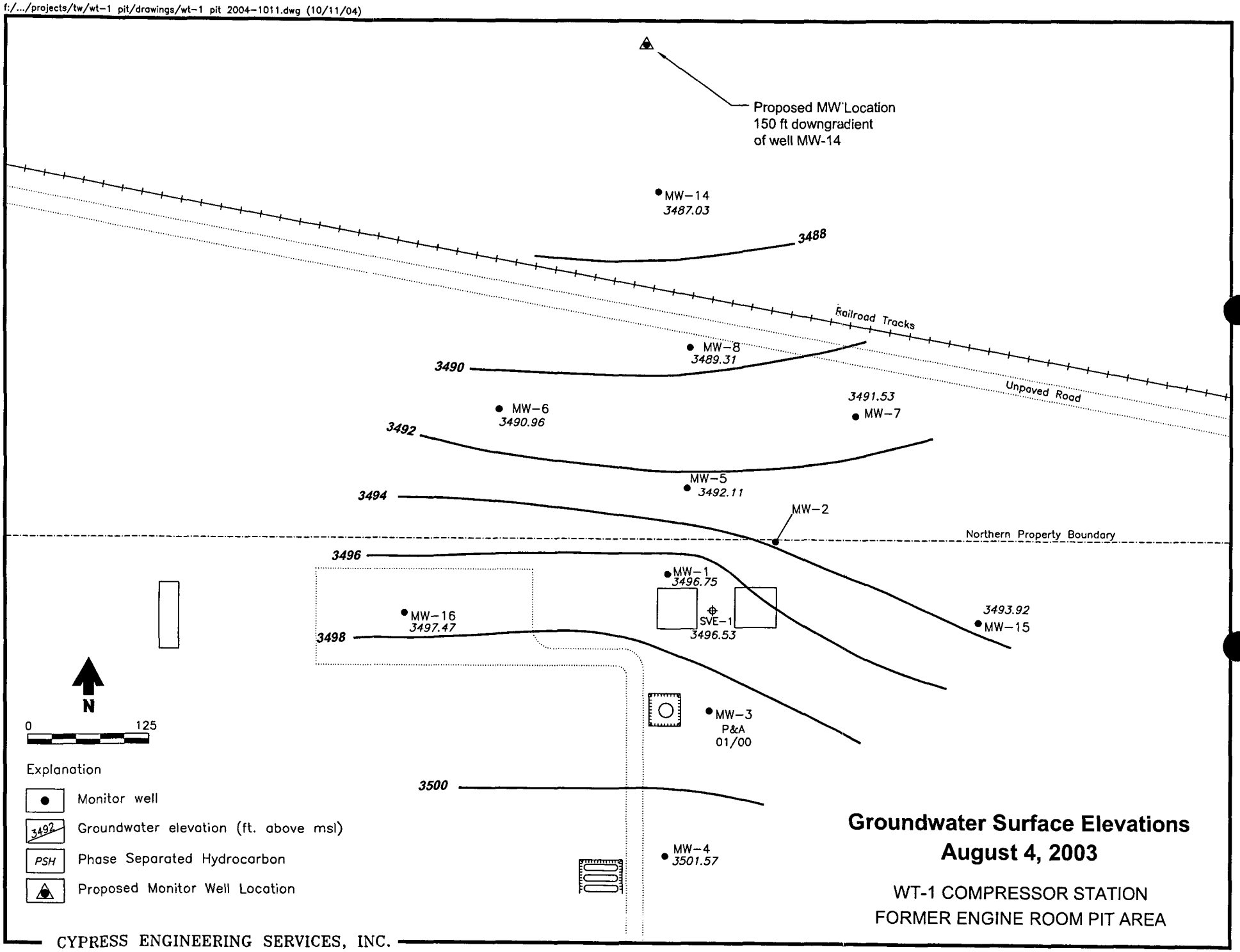
If you have any questions or comments regarding the proposed well installation, please contact me at (713) 345-1537.

Sincerely,

George C. Robinson, PE
President/Principal Engineer

xc w/attachment:	Chris Williams	OCD Hobbs District Office
	Bill Kendrick	Transwestern Pipeline Company
	Larry Campbell	Transwestern Pipeline Company

f:/.../projects/tw/wt-1 pit/drawings/wt-1 pit 2004-1011.dwg (10/11/04)



Groundwater Surface Elevations
August 4, 2003

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

Figure 1

Cypress Engineering

7171 Highway 6 North, Suite 102
Houston, Texas 77095
(281) 797-3420 office
(281) 859-1881 fax

VIA FACSIMILE (505) 624-2421

October 4, 2004

Mr. Jack Atkins
Atkins Engineering Associates, Inc.
P. O. Box 3156
Roswell, NM 88202

RE: Drilling Services Request for Proposal
WT-1 Engine Room Pit Area

Dear Mr. Atkins:

Cypress Engineering requests a proposal for the installation of one groundwater monitor well. Please provide a cost per foot proposal for the following tasks:

Drill and install one 2" diameter PVC *groundwater monitoring well*:

- drill borehole to a depth of approximately 63 feet below grade (10 feet below water table)
- screen lower 15 feet with 0.010 inch PVC slotted screen
- sand filter pack (12-20 Silica Sand) between screen and borehole
- place a bentonite seal from approximately 2 feet to 4 feet above top of screen
- grout remaining borehole from seal to surface with 3-5% bentonite grout
- 12 inch diameter flush grade well vault set in a 3-ft. by 3-ft. by 6-in. thick concrete pad

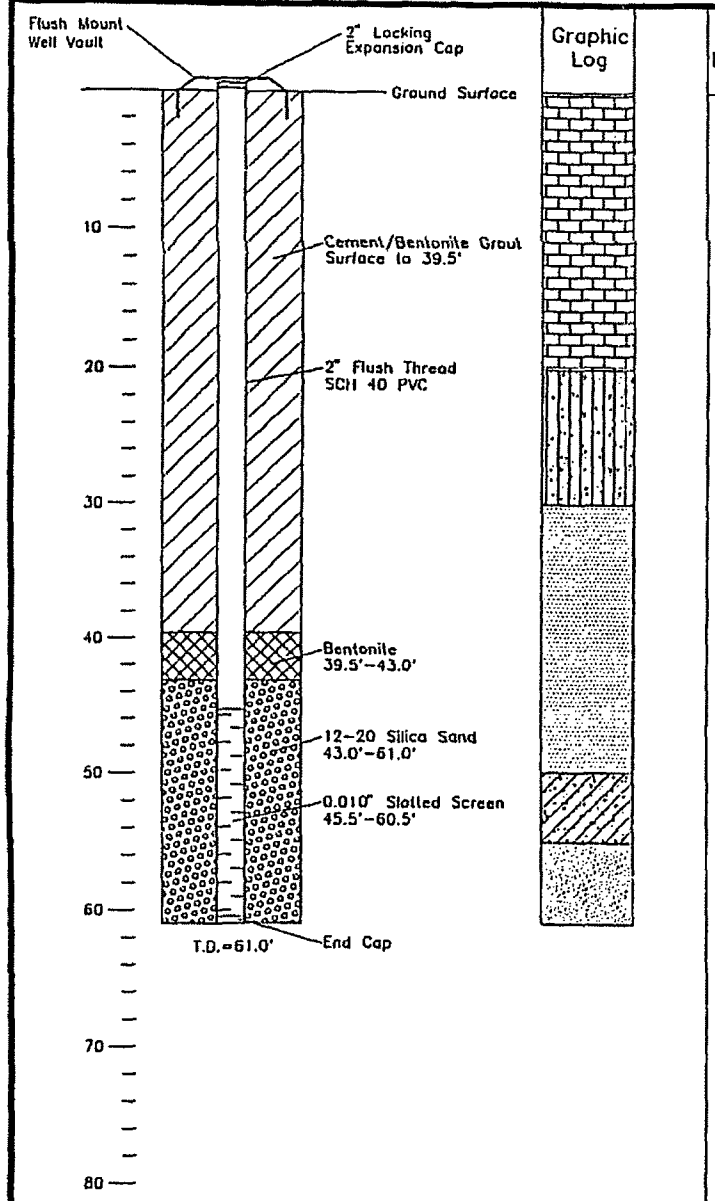
The WT-1 Station is located approximately 29 miles east of Carlsbad, New Mexico, on Hwy 62/180 at mile marker 63. Drill cuttings are to be spread on the ground surface around the wellbore location. This well will be downgradient of existing MW-14. I am including a copy of the well log for MW-14 to give you an idea of the lithology in the area.

Please respond with a proposal no later than October 14. This may be done by fax, (281) 859-1881, with a copy to follow in the mail. If there are any questions regarding this request, please contact me at (281) 797-3421 or George Robinson at (281) 797-3420.

Sincerely,

Sandra Sharp
Sr. Environmental Manager

4230\4230MW14.DWG



Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
	9.7	grab	5 – Caliche; pale red (2.5 YR 7/3); very fine-grained; well sorted; subrounded; moderately cemented; dry; calcareous matrix (reacts to HCl); no odor
	11.5	split spoon	10 – Caliche; pink (7.5 YR 7/3); very fine-grained; well sorted; subrounded; moderate to well cemented; dry
	0.0	grab	15 – Same as above
	12.7	split spoon	20 – Silty sand; reddish brown (2.5 YR 6/6); very fine-grained to fine-grained; <10% silt; moderately sorted; subangular to subrounded; poorly cemented; dry
	10.8	grab	25 – Silty sand; same as above
	13.0	split spoon	30 – Silty sandstone; weak red (10 R 5/4); very fine-grained to fine-grained; <15% silt; well sorted; subangular to subrounded; moderately cemented; dry
	9.6	grab	35 – Same as above; weak red (2.5 YR 6/4)
		split spoon	40 – Same as above, except strongly consolidated, contains mica flakes, fine-grained to medium-grained
	9.9	grab	45 – Silty sand; weak red (10 R 4/4); very fine-grained to fine-grained; moderately sorted; subangular to subrounded; weakly cemented; dry; thin laminations
		split spoon	50 – Clayey sandstone; weak red (10 R 4/4); very fine-grained; poorly sorted; medium plasticity; weakly to strongly cemented; mica flakes; moist; thinly laminated
		grab	55 – Sand; dark red (2.5 YR 4/6, wet); fine-grained to medium-grained; well sorted; subrounded; weakly cemented; loose; wet
		split spoon	60 – same as at 55'

Note: Background PID readings for headspace range from 6 to 12. PID sensitive to water vapor at low end of scale.

Hydrologists: Marley/Hovda
Driller: Eades Water Well
Date Completed: 9/11/95

Drilling Method: Air Rotary
Bit Diameter: 6.5 In. O.D.

DANIEL B. STEPHENS & ASSOCIATES, INC.
11-1-95
JN 4230

WT-1 COMPRESSOR STATION
Well Log: MW-14

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. 6903 dated 9/20/02,
or cash received on 9/30/02 in the amount of $ 3,600.00
from TRANSWESTERN PIPELINE CO
for GW 109 AND 110
(Facility Name) (DP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: Ed Martin Date: 9/30/02
Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

NEW MEXICO ENVIRONMENT DEPARTMENT
REVENUE TRANSMITTAL FORM

	Description	FUND	CES	DFA ORG	DFA ACCT	ED ORG	ED ACCT	AMOUNT	
1	CY Reimbursement Project _____ Tax ___	064	01						1
5	Gross Receipt Tax	064	01		2329	900000	2329134		2
3	Air Quality Title V	092	13	1300	1696	900000	4169134		3
4	PRP Prepayments	248	14	1400	9696	900000	4969014		4
2	Climax Chemical Co.	248	14	1400	9696	900000	4969015		5
6	Circle K Reimbursements	248	14	1400	9696	900000	4969248		6
7	Hazardous Waste Permits	339	27	2700	1696	900000	4169027		7
8	Hazardous Waste Annual Generator Fees	339	27	2700	1696	900000	4169339		8
0	Water Quality - Oil Conservation Division	341	29		2329	900000	2329029	# 3600.00	10
1	Water Quality - GW Discharge Permit	341	29	2900	1696	900000	4169029		11
2	Air Quality Permits	631	31	2500	1696	900000	4169031		12
3	Payments under Protest	651	33		2919	900000	2919033		13
4	Xerox Copies	652	34		2349	900000	2349001		*14
5	Ground Water Penalties	652	34		2349	900000	2349002		15
6	Witness Fees	652	34		2349	900000	2349003		16
7	Air Quality Penalties	652	34		2349	900000	2349004		17
8	OSHA Penalties	652	34		2349	900000	2349005		18
9	Prior Year Reimbursement	652	34		2349	900000	2349006		19
0	Surface Water Quality Certification	652	34		2349	900000	2349009		20
1	Jury Duty	652	34		2349	900000	2349012		21
2	CY Reimbursements (I.e. telephone)	652	34		2349	900000	2349014		22
3	UST Owner's List	783	24	2500	9696	900000	4969201		*23
4	Hazardous Waste Notifiers List	783	24	2500	9696	900000	4969202		*24
5	UST Maps	783	24	2500	9696	900000	4969203		*25
6	UST Owner's Update	783	24	2500	9696	900000	4969205		*26
8	Hazardous Waste Regulations	783	24	2500	9696	900000	4969207		*28
9	Radiologic Tech. Regulations	783	24	2500	9696	900000	4969208		*29
0	Superfund CERLIS List	783	24	2500	9696	900000	4969211		*30
1	Solid Waste Permit Fees	783	24	2500	9696	900000	4969213		31
2	Smoking School	783	24	2500	9696	900000	4969214		32
3	SWQB - NPS Publications	783	24	2500	9696	900000	4969222		*33
4	Radiation Licensing Regulation	783	24	2500	9696	900000	4969228		*34
5	Sale of Equipment	783	24	2500	9696	900000	4969301		*35
6	Sale of Automobile	783	24	2500	9696	900000	4969302		*36
7	Lust Recoveries	783	24	2500	9696	900000	4969614		**37
8	Lust Repayments	783	24	2500	9696	900000	4969615		**38
9	Surface Water Publication	783	24	2500	9696	900000	4969801		39
0	Exxon Reese Drive Ruidoso - CAF	783	24	2500	9696	900000	4969242		40
1	Emerg. Hazardous Waste Penalties NOV	957	32	9600	1696	900000	4164032		41
2	Radiologic Tech. Certification	987	05	0500	1696	900000	4169005		42
4	Ust Permit Fees	989	20	3100	1696	900000	4169020		44
5	UST Tank Installers Fees	989	20	3100	1696	900000	4169021		45
8	Food Permit Fees	991	26	2600	1696	900000	4169026		46
3	Other								43

Gross Receipt Tax Required ** Site Name & Project Code Required TOTAL # 3600.00

Contact Person: EO MARTIN Phone: 476-3492 Date: 9/30/02

Received in ASD By: _____ Date: _____ RT #: _____ ST # : _____

FSB025
Revised 07/07/00

REMITTANCE STATEMENT Page 1 of 1 VENDOR NUMBER: 5000068281

VOUCHER NUMBER	INVOICE DATE	INVOICE NO.	PURCHASE ORDER	AMOUNT		
				GROSS	DISCNT	NET
0100029542	09/03/02	GW-110		1,800.00	0.00	1,800.00
0100029543	09/03/02	GW-109		1,800.00	0.00	1,800.00
					TOTAL	3600.00

SPECIAL INSTRUCTIONS:
MAIL TO:L.CAMPBELL 6381 N. MAIN ROSWELL,NM 88201

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS. CHECK # 9600006903 ATTACHED BELOW

REMOVE DOCUMENT ALONG THIS PERFORATION

THIS DOCUMENT IS PRINTED IN TWO COLORS. DO NOT ACCEPT UNLESS BLUE AND BROWN ARE PRESENT.

ENRON

TRANSWESTERN PIPELINE COMPA

P.O. BOX 1188
HOUSTON, TX 77251-1188

DATE 09/20/2002 NO. 9600006903

62-20
311

$*******3,600.00

NOT VALID AFTER 1 YEAR

PAY TO THE ORDER OF *Three Thousand Six Hundred and NO/100 Dollars*
NEW MEXICO OIL CONSERVATION DIVISION

MOORE SECURITY MARK® MOORE SECURITY

Martin, Ed

From: Martin, Ed
Sent: Wednesday, April 10, 2002 7:42 AM
To: 'Campbell, Larry'
Subject: RE: Drain lIne Testing

This plan is approved as stated. Please let me have a summary of the results of the tests when complete. Take care.
Ed

-----Original Message-----
From: Campbell, Larry [mailto:Larry.Campbell@ENRON.com]
Sent: Tuesday, April 09, 2002 11:48 AM
To: EMARTIN@state.nm.us
Subject: Drain lIne Testing

Ed, when you were in the Hobbs area last month inspecting a couple of compressor stations operated by Transwestern Pipeline Company, I requested that Transwestern be given approval to conduct the 5 year drain line testing requirements at its 13 compressor stations which are currently under OCD discharge plans, prior to the five renewal date on the permit. The reason for this request is to reduce the price of sending a contractor out multiple times to do drain line testing when it would benefit Transwestern if the contractor could start at one end of our pipeline system and move concurrently from station to station and complete the testing for the al the compressor station along the entire pipeline in New Mexico. I am proposing to use the same methodology as was previously approved by your agency for the last drain line testing and propose to conduct the testing during the month of July. The list of facilities which are covered under this request are as follows:

Transwestern Pipeline Company

Wt-1 Compressor Station	GW-109
Mountainair Compressor Station	GW-110
Laguna Compressor Station	GW- 95
Thoreau Compressor Station	GW- 80
Bloomfield Comrpessor Station	GW- 84
Portales Compressor Station	GW- 90
Bisti Compressor Station	GW-285
Roswell Compressor Station	GW- 52
Gallup Compressor Station	GW-325
Monument Compressor Station	GW-197
Corona Compressor Station	GW- 89

Northern Natural Gas Company

Eunice Compressor Station	GW-113
Jal Compressor Station	GW-283

Ed, give me your thoughts on this.

Thanks

THE SANTA FE
NEW MEXICAN
Founded 1849

NM OIL CONSERVATION DIVISION
ENVIRONMENT BUREAU
1220 S. ST. FRANCIS
SANTA FE, NM 87505

AD NUMBER: 252372 ACCOUNT: 56689
LEGAL NO: 71082 P.O.#: 02199000249
281 LINES 1 time(s) at $ 123.87
AFFIDAVITS: 5.25
TAX: 8.07
TOTAL: 137.19

AFFIDAVIT OF PUBLICATION

OIL CONSERVATION DIV.
02 MAR 27 PM 1:04

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, K. Voorhees 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 #71082 a copy of which is hereto attached was published in said newspaper 1 day(s) between 03/22/2002 and 03/22/2002 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 22 day of March, 2002 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ K. Voorhees
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
25 day of March A.D., 2002

Notary Laura E. Harding

Commission Expires 11/23/03

NOTICE OF PUBLICATION

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

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

(GW-113) - Transwestern Pipeline Co., Mr. Larry Campbell, Division Environmental Specialist, 6381 North Main Street, Roswell, NM 88201, has submitted a discharge plan renewal application for their Eunice Compressor Station located in the NW/4 of Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by an accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-283) - Transwestern Pipeline Co., Mr. Larry Campbell, Division Environmental Specialist, 6381 North Main Street, Roswell, NM 88201, has submitted a discharge plan renewal application for their Jal Compressor Station located in the NW/4 of Section 33, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by an accidental discharge to the surface is at a depth of approximately 100 feet with a total dissolved solids concentration of approximately 100 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-109) - Transwestern Pipeline Co., Mr. Larry Campbell, Division Environmental Specialist, 6381 North Main Street, Roswell, NM 88201, has submitted a discharge plan renewal application for their Carlsbad (WT-1) Compressor Station located in the SW/4 of Section 31, Township 20 South, Range 32 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by an accidental discharge to the surface is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 1500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

A hearing will be held if the director determines that there is significant public interest.

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 15th day of March 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
SEAL

LORI WROTENBERY, Director
Legal #71082
Pub. March 22, 2002

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Dawn Higgins,
being first duly sworn, on oath says:

That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

March 20	,	2002
	,	2002
	,	2002
	,	2002
	,	2002
	,	2002

That the cost of publication is $ 61.92, and that payment thereof has been made and will be assessed as court costs.

Dawn Higgins

Subscribed and sworn to before me this

20 day of March, 2002

Stephanie Dobson

My commission expires 12/13/05
Notary Public

P. O. # 02199003489

March 20, 2002

NOTICE OF PUBLICATION

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

№ 21949

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

(GW-109) - Transwestern Pipeline Co., Mr. Larry Campbell, Division Environmental Specialist, 6381 North Main Street, Roswell, NM 88201, has submitted a discharge plan renewal application for their Carlsbad (WT-1) Compressor Station located in the SW/4 of Section 31, Township 20 South, Range 32 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by an accidental discharge to the surface is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 1500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 15th day of March 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

LORI WROTENBERY
Director

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Revised January 24, 2001

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

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

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

☐ New X☐ Renewal ☐ Modification

1. Type: _Natural Gas Pipeline Compressor Station

2. Operator: Transwestern Pipeline Company, Carlsbad (station WT-1) Compressor Station (GW-109)

Address: 6381 North Main Street, Roswell New Mexico 88201

Contact Person: Larry Campbell Phone: (505) 625-8022

3. Location: SW /4 /4 Section 31 Township 20 S Range 32 E
Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site. Same as original application.

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. Same as original application.

6. Attach a description of all materials stored or used at the facility. Same as original application.

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. Same as original application.

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. Same as original application.

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. Same as original application.

10. Attach a routine inspection and maintenance plan to ensure permit compliance. Same as original application.

11. Attach a contingency plan for reporting and clean-up of spills or releases. Same as original application.

12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. Same as original application.

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

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Larry Campbell [redacted] Title: Divisi[redacted]nvironmental Specialist

Signature: _____ Date: _12/02/01_____

Larry Campbell
Division Env. Specialist

Transwestern Pipeline Company
6381 North Main Street
Roswell, NM 88201

505-625-8022
Fax 505-627-8172
Pager 800-632-9229
Cellular 505-626-6211
lcampbe@enron.com

December 2, 2001

Mr. Ed Martin
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87504

Re: Renewal of Groundwater Discharge Plans for (6) Transwestern Pipeline Company facilities

Dear Mr. Martin:

By this letter, Transwestern Pipeline Company, requests renewal by the Oil Conservation Division (OCD) for the eight (8) discharge plans referenced below:

Portales Compressor Station	GW- 90
Corona Compressor Station	GW- 89
Laguna Compressor Station	GW- 95
Carlsbad Compressor Station	GW-109
Mountainair Compressor Station	GW-110
Bisti Compressor Station	GW-285

Under the conditions of this renewal request, be advised that there have been no modifications or alterations performed or constructed at any of the above referenced facilities which would differ from the facility conditions originally presented to the OCD in Transwestern's last discharge plan renewal application. Additionally, there have been no changes in operating ting practises currently performed at each facility which would differ from those practices which were presented in the last renewal application for each facility.

On December 2, 2001, Transwestern submitted via e-mail to the OCD, renewal applications for each facility listed above. Each form required signature. My signature on this letter constitutes the required signature for each application.

Should you require any additional information concerning this renewal request, contact the undersigned at our Roswell Technical Operations at (505) 625-8022.

Sincerely,

Larry Campbell

Larry Campbell
Division Environmental Specialist

xc: file

Martin, Ed

To: Larry Campbell (E-mail)
Subject: Discharge Plans

Here's a listing of the permits expiring over the next year or so:

GW-90	Portales C.S.	Expires 2/27/02
GW-89	Corona C.S.	Exprers 3/9/02
GW-95	Laguna C.S.	Expires 3/9/02
GW-109	Carlsbad C.S.	Expires 5/18/02
GW-110	Mountainair C.S.	Expires 5/18/02
GW-113	Eunice C.S.	Expires 6/19/02
GW-283	Jal C.S.	Expires 6/24/02
GW-285	Bisti C.S.	Expires 9/24/02

As you know, if you get your renewal applications in 120 prior to the expiration date, the permit will not expire on the dates above, but will extend until all paperwork is done on my end.

We need to go out and look at all of these at some point in time, but I will get back with you to set up a schedule.

Take care and have a good Thanksgiving.

Ed

Sent
11/16/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

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

Memorandum of Meeting or Conversation

Telephone __X___
Personal _____

Time: 9:30 am
Date: 6/1/99

Originating Party: **Wayne Price-OCD**

Other Parties: Larry Campbell-Transwestern Pipeline Co.

Subject: GW-109 filter disposal

Discussion:

Transwestern Canceled request for disposal of Compressor filters requested in letter Dated March 12, 1999 Jones-Price.

Conclusions or Agreements:

Larry Campbell will request modification of Discharge Plan to incorporate filter disposal.

Signed: _____

CC: Larry Campbell-Transwestern Pipeline Co.

RECEIVED
MAR 23 1999

March 12, 1999

TRANSWESTERN PIPELINE CO.
P.O. BOX TT
CARLSBAD, NM 88220

Mr. Wayne Price
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Disposal of Special Waste (Oil Filters)

Dear Mr. Price

On November 30, 1998 Transwestern Pipeline Co. requested approval from the Oil Conservation Division to dispose of used filters. (a copy of this request is presented in Attachment "A"). In your reply dated December 11, 1998, you denied Transwestern's request. (Attachment "B"). Your determination was based upon the insufficient analytical testing which had been performed on the filters.

Presented in Attachment " C " is the analytical results of the additional parameters verifying the non hazardous status of the filters. Based upon this new documentation , Transwestern Pipeline Co. requests approval from your agency to dispose of these filters. The oil filter disposal location will be at the Hobbs Lea County Landfill (Facility # 130502) located at 3000 E. Marland. Hobbs, New Mexico, 88240.

If you require any further information concerning this request, or if I can be of any further assistance, please contact the undersigned at (505) 885-8525.

Sincerely;

James Jones
James Jones
Senior O&M Technician
Attachments

file

Called 3/29/99

* Analysis not complete TCLP & no RCI
* Lab sheets not sign
* Which leachate method used 1311 ?
Was filter tested on oil ? No filter (yes)

Called 3/29/99 He will have (?) complete call!

He will submit (?) RCI, MSDS - Ref (for vol semi-vol) Benzene ...

Attachment

" A "

Transwestern Pipeline Company
PO Box TT
Carlsbad N.M. 88220
(505) 885-8525
Fax (505) 885-1762

November 30, 1998

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

Re: Disposal of Special Waste.

Dear Mr. Anderson

Transwestern Pipeline Company , owner and operator of the facility known as the WT-1 compressor station (GW 109) located at Carlsbad New Mexico. Request approval from your agency to dispose of the contents of a 3 cubic yard Special Waste Dumpster which contains Non-Hazardous, liquid free, used Turbine and Engine oil filters and used pipeline gas scrubber filters. The company that will be removing the dumpster and disposing of the filters is Waste Management (Solid Waste Hauler Registration # 000011) located at 2608 Lovington Highway, Hobbs New Mexico 88240. The location where the filters will be disposed is the Hobbs Lea County Landfill (Facility # 130502) located at 3000 E. Marland, Hobbs New Mexico 88240.

Should you have any questions, please call me at (505) 885-8525

Sincerely,

James Jones
Senior O&M Technician

Attachment

" B "

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

December 11, 1998

James Jones
Transwestern Pipeline Company (TPC)
P.O. Box TT
Carlsbad NM 88220

Re: 1. Disposal of Construction Debris WT-1 comp. St. GW-109 and;
2. Disposal of Special Waste WT-1 comp. St. GW-109.

Dear Mr. Jones:

New Mexico Oil Conservation Division (NMOCD) is in receipt of the two letters dated November 30, 1998 concerning the above waste items 1. & 2. and has the following comments.

1. **OCD hereby approves to dispose of the construction debris at the Hobbs Lea County Landfill. Please be advised that NMOCD approval of this disposal practice does not relieve TPC of any future liability should this practice pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve TPC of responsibility for compliance with any other federal, state, or local laws and/or regulations.**

2. **OCD denies at this time** the disposal of item 2 above which consist of turbine and engine oil filters and used pipeline gas scrubber filters. OCD will reconsider when TPC demonstrates these filters are RCRA non-hazardous.

If you require any further information or assistance please do not hesitate to call (505-827-7155) or write this office.

Sincerely Yours,

Wayne Price

Wayne Price-Environmental Bureau

file: O/wp/TPCgw109

Attachment

"C"

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	CRAWFORD GAS SCRUB	**Client:**	TRANSWESTERN PIPELINE
Project:	FILTER WASTE CHARACTERIZATION	**Site:**	None
Lab ID:	PZO-005 Leachate	**Episode:**	PZO
Description:	FILTER	**Matrix:**	Other
Method:	SW 8260 TCLP Volatile Organics	**Prep Level:**	Other
		Units:	mg/l
Prep Factor:	1.00	**Leached:**	1/21/99
		Prepared:	

Sample Qu:
% Moisture: n/a
Batch: 29046
Target List: 8260LLEA
Analyzed: 28-Jan-99 18:23 KC

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND	C3	0.0500	0.500

1 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	MONUMENTAL SCRUB	**Client:**	TRANSWESTERN PIPELINE
Project:	FILTER WASTE CHARACTERIZATION	**Site:**	None
Lab ID:	PZO-009 Leachate	**Episode:**	PZO
Description:	FILTER	**Matrix:**	Other
Method:	SW 8260 TCLP Volatile Organics	**Prep Level:**	Other
		Units:	mg/l
Prep Factor:	1.00	**Leached:**	1/21/99
		Prepared:	

Sample Qu:
% Moisture: n/a
Batch: 29046
Target List: 8260LLEA
Analyzed: 28-Jan-99 18:53 KC

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	0.0702	C3	0.0500	0.500

1 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	CRAWFORD GAS DEHY	**Client:**	TRANSWESTERN PIPELINE
Project:	FILTER WASTE CHARACTERIZATION	**Site:**	None
Lab ID:	PZO-016 Leachate	**Episode:**	PZO
Description:	None	**Matrix:**	Other
Method:	SW 8260 TCLP Volatile Organics	**Prep Level:**	Other
		Units:	mg/l
Prep Factor:	1.00	**Leached:**	1/25/99
		Prepared:	

Sample Qu:
% Moisture: n/a
Batch: 29046
Target List: 8260LLEA
Analyzed: 28-Jan-99 19:23 KC

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND	C3	0.0500	0.500

1 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 751 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-001 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:09 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:09 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	11:09 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:09 KJR	5.00
Lead	SW 6010	29149	1	1	0.812	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:09 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:18 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	11:09 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:09 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 751 SEAL OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-002 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:30 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:30 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	11:30 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:30 KJR	5.00
Lead	SW 6010	29149	1	1	4.25	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:30 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:27 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	11:30 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:30 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

2/1/99 08:14:23

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 756 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-003 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:35 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:35 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	11:35 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:35 KJR	5.00
Lead	SW 6010	29149	1	1	0.923	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:35 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:30 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	11:35 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:35 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 756 SEAL OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-004 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:41	KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:41	KJR	100
Cadmium	-SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	11:41	KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:41	KJR	5.00
Lead	SW 6010	29149	1	1	1.48	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:41	KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:32	DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	11:41	KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:41	KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

2/1/99 08:14:26

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: CRAWFORD GAS SCRUB
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-005 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:46	KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	11:46	KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	11:46	KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:46	KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:46	KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:34	DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	11:46	KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	11:46	KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: WT-101 GEAR OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-006 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:02 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:02 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:02 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:02 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:02 KJR	5.00
Mercury	SW 7470	29150	1	1	0.0004	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	15:37 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:02 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:02 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: WT-102 GEAR OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-007 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:07 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:07 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:07 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:07 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:07 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:04 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:07 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:07 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: WT-103 GEAR OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-008 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:12 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:12 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:12 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:12 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:12 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:07 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:12 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:12 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: MONUMENTAL SCRUB
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-009 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:18 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:18 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:18 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:18 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:18 KJR	5.00
Mercury	SW 7470	29150	1	1	0.0005	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:09 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:18 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:18 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

2/1/99 08:14:32

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 882 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-010 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:23 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:23 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:23 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:23 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:23 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:11 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:23 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:23 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 832 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-013 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:39 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:39 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:39 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:39 KJR	5.00
Lead	SW 6010	29149	1	1	1.73	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:39 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:18 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:39 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:39 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 836 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-014 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:44	KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:44	KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:44	KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:44	KJR	5.00
Lead	SW 6010	29149	1	1	1.15	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:44	KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:20	DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:44	KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:44	KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 862 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-015 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:49	KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	12:49	KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	12:49	KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:49	KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:49	KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:23	DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	12:49	KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	12:49	KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: CRAWFORD GAS DEHY
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-016 Leachate
Episode: PZO
Description: None
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:06 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:06 KJR	100
Cadmium	SW 6010	29149	1	1	0.624	C3	mg/l	0.100	28-Jan-99	29-Jan-99	13:06 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:06 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:06 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:26 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	13:06 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:06 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: WT-103 LUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-017 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:11	KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:11	KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	13:11	KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:11	KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:11	KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:33	DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	13:11	KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:11	KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 862 COMPLUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-018 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:16 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:16 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	13:16 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:16 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:16 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:35 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	13:16 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:16 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: 882 COMPLUBE OIL
Client: TRANSWESTERN PIPELINE
Project: FILTER WASTE CHARACTERIZATION
Site: None
Lab ID: PZO-019 Leachate
Episode: PZO
Description: FILTER
Matrix: Other
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:22 KJR	5.00
Barium	SW 6010	29149	1	1	ND	C3	mg/l	1.00	28-Jan-99	29-Jan-99	13:22 KJR	100
Cadmium	SW 6010	29149	1	1	ND	C3	mg/l	0.100	28-Jan-99	29-Jan-99	13:22 KJR	1.00
Chromium	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:22 KJR	5.00
Lead	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:22 KJR	5.00
Mercury	SW 7470	29150	1	1	ND	C3	mg/l	0.0002	28-Jan-99	28-Jan-99	16:37 DNT	0.200
Selenium	SW 6010	29149	1	1	ND	C3	mg/l	0.200	28-Jan-99	29-Jan-99	13:22 KJR	1.00
Silver	SW 6010	29149	1	1	ND	C3	mg/l	0.500	28-Jan-99	29-Jan-99	13:22 KJR	5.00

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

January 15, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-870-047

Mr. James Jones
Transwestern Pipeline Company
P.O. Box TT
Carlsbad, New Mexico 88220

RE: Fluids Disposal
Carlsbad Compressor Station GW-109
Eddy County, New Mexico

Dear Mr. Jones:

The New Mexico Oil Conservation Division (OCD) has received the Transwestern Pipeline Company's (Enron Transportation & Storage) letter dated January 4, 1999 requesting that Transwestern Pipeline Company be allowed to dispose of approximately 190 barrels of Non-hazardous water that has accumulated at the site. Based on the information provided, and the certification by Enron that this waste is non-hazardous and acceptable by the Control Recovery, Inc. Disposal Facility, **the request is approved.**

Note, that OCD approval does not relieve Enron of liability should disposal of this material result in contamination of surface water, ground water or the environment. Also, OCD approval does not relieve Enron from compliance or reporting requirements that may apply from other federal, state, and local rules/regulations.

If you have any questions please feel free to call me at (505)-827-7156.

Sincerely,

W. Jack Ford, C.P.G.
Water Resource Engineer Specialist
Environmental Bureau-OCD

xc: Artesia OCD District

Z 357 870 047

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

Sent to	James Jones
Street & Number	Transwestern
Post Office, State, & ZIP Code	Carlsbad
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	GW-109

PS Form **3800**, April 1995

Transwestern Pipeline Company
PO Box TT
Carlsbad N.M. 88220
Office: (505) 885-8525
Fax: (505) 885-1762

January 04, 1999

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

Re: Disposal of Water.

Dear Mr. Anderson

Transwestern Pipeline Company , owner and operator of the facility known as the WT-1 Compressor Station (GW 109) located at Carlsbad , New Mexico. Request approval from your agency to dispose of the contents of a 210 Barrel Water Tank. The tank contains 190 Barrels of Non-Hazardous (Analysis on file) water that was accumulated from our Ground Water Remediation Program. The water will be removed and disposed of by Gandy Corp. (trucking company),Permit # 14225 located at 1109 E. Broadway, Tatum, N. M. . The water will be disposed of at the Control Recovery Inc. (CRI) Disposal Facility, Permit # R-9166, located on Highway 62/180, Mile Marker 65, Carlsbad N.M.

Should you have any questions, please call me at (505) 885-8525

Sincerely,

James Jones
Senior O&M Technician

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

December 11, 1998

James Jones
Transwestern Pipeline Company (TPC)
P.O. Box TT
Carlsbad NM 88220

Re: 1. Disposal of Construction Debris WT-1 comp. St. GW-109 and;
2. Disposal of Special Waste WT-1 comp. St. GW-109.

Dear Mr. Jones:

New Mexico Oil Conservation Division (NMOCD) is in receipt of the two letters dated November 30, 1998 concerning the above waste items 1. & 2. and has the following comments.

1. **OCD hereby approves to dispose of the construction debris at the Hobbs Lea County Landfill. Please be advised that NMOCD approval of this disposal practice does not relieve TPC of any future liability should this practice pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve TPC of responsibility for compliance with any other federal, state, or local laws and/or regulations.**

2. **OCD denies at this time** the disposal of item 2 above which consist of turbine and engine oil filters and used pipeline gas scrubber filters. OCD will reconsider when TPC demonstrates these filters are RCRA non-hazardous.

If you require any further information or assistance please do not hesitate to call (505-827-7155) or write this office.

Sincerely Yours,

Wayne Price

Wayne Price-Environmental Bureau

file: O/wp/TPCgw109

cc: Hobbs office (c-141)

Transwestern Pipeline Company
PO Box TT
Carlsbad N.M. 88220
(505) 885-8525
Fax (505) 885-1762

November 30, 1998

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

Re: Disposal of Special Waste.

Dear Mr. Anderson

Transwestern Pipeline Company , owner and operator of the facility known as the WT-1 compressor station (GW 109) located at Carlsbad New Mexico. Request approval from your agency to dispose of the contents of a 3 cubic yard Special Waste Dumpster which contains Non-Hazardous, liquid free, used Turbine and Engine oil filters and used pipeline gas scrubber filters. The company that will be removing the dumpster and disposing of the filters is Waste Management (Solid Waste Hauler Registration # 000011) located at 2608 Lovington Highway, Hobbs New Mexico 88240. The location where the filters will be disposed is the Hobbs Lea County Landfill (Facility # 130502) located at 3000 E. Marland, Hobbs New Mexico 88240.

Should you have any questions, please call me at (505) 885-8525

Sincerely,

James Jones
Senior O&M Technician

Transwestern Pipeline Company
PO Box TT
Carlsbad N.M. 88220
(505) 885-8525
Fax (505) 885-1762

November 30, 1998

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

Re: Disposal of Construction Debris: :

Dear Mr. Anderson

Transwestern Pipeline Company , owner and operator of the facility known as the WT-1 compressor station (GW 109) located at Carlsbad New Mexico. Request approval from your agency to dispose of the contents of a 30 cubic yard Waste Dumpster which contains Non-Hazardous Construction Debris such as wood, cardboard and paper. The company that will be removing the dumpster and disposing of the debris is Waste Management (Solid Waste Hauler Registration # 000011) located at 2608 Lovington Highway, Hobbs New Mexico 88240. The disposal of the debris will be at the Hobbs Lea County Landfill (Facility # 130502) located at 3000 E. Marland, Hobbs New Mexico 88240.

Should you have any questions, please call me at (505) 885-8525

Sincerely,

James Jones
Senior O&M Technician

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

May 13, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-062

Mr. James Jones
Transwestern Pipeline Company
P.O. Box TT
Carlsbad, New Mexico 88220

RE: Removal of Asbestos Pipe Insulation
Carlsbad Compressor Station GW-109
Eddy County, New Mexico

Dear Mr. Jones:

The New Mexico Oil Conservation Division (OCD) has completed a review of the Transwestern Pipeline Company (Transwestern) request dated April 7, 1998 for removal of approximately 156 linear feet of asbestos pipe insulation located at the Carlsbad Compressor Station, and disposal at the City of Monahans, Texas Asbestos Landfill. Based on the information provided, the Transwestern disposal request is approved.

Please be advised that OCD approval does not relieve Transwestern of liability should it later be found that contamination exists which could pose a threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve Transwestern of liability for compliance with other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist

xc: OCD Artesia Office

P 288 259 062

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

Transwestern Pipeline co.
PO Box TT
Carlsbad N.M. 88220
(505) 885-8525
Fax (505) 885-1762

April 7, 1998

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

Re: Disposal of Asbestos Pipe Insulation :

Dear Mr. Anderson

Transwestern Pipeline Company (Transwestern), owner and operator of the WT-1 compressor station located at Carlsbad, New Mexico. Request approval from your agency to dispose of approximately 156 linear feet of Asbestos material located at this facility (GW 109). The disposal project will be performed by Asbestos Removal Inc. (Lic # 80-0396) PO Box 13508, Odessa, Tx 79768. Their physical address is 2924 East Interstate 20, Odessa, Tx. This material will be disposed of at the City of Monahans Asbestos Landfill (Permit # 0772) located near Monahans, Texas. Transwestern had previously requested and received approval from your agency to dispose of this material at Keer's Asbestos land farm located at Mountainair , New Mexico. Transwestern requests your approval to change the disposal location .
I am enclosing a copy of the approval letter that we received from your office.

If you have any questions, please call me at (505) 885-8525

Sincerely

James Jones
Senior Operations and Maintenance Technician.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

February 24, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-035

Mr. James R. Russell
Transwestern Pipeline Company
Summit Office Building
4001 Indian School Road, NE, Suite 250
Albuquerque, New Mexico 87110

RE: Disposal of Asbestos Pipe Insulation
Carlsbad Compressor Station (GW-109)
Eddy County, New Mexico

Dear Mr. Russell:

The New Mexico Oil Conservation Division (OCD) has completed a review of the Transwestern Pipeline Company (Transwestern) request dated February 10, 1998 for disposal of 156 linear feet of asbestos pipe insulation. The requested site for disposal is Keer's Asbestos land farm located at Mountainair, New Mexico. Based on the information provided, the Transwestern disposal request is approved.

Please be advised that OCD approval does not relieve Transwestern of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist

xc: OCD Artesia Office

Enron Transportation & Storage
Services Provided by Northern Natural Gas Company and Transwestern Pipeline Company
Summit Office Building
4001 Indian School Road, NE, Suite 250
Albuquerque, NM 87110
(505) 260-4000
Fax (505) 254-1437

April 20, 1998

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

Dear Mr. Anderson

Transwestern Pipeline Company, owner and operator of the Thoreau Compressor Station # 5 GW- 80, request approval from your agency to dispose of waste generated from oil and gas activities at the above reference facility. This request addresses disposal of approximately eight (8) yards of non hazardous hydrocarbon contaminated soil removed during drain line repair. See soil analytical. This waste will be disposed at Gandy's Commercial Land Farm permit # NM-711-1-0020 located near Tatum, New Mexico. Approval of this request will allow Transwestern to expedite completion of this project and will not create any adverse impact to this facility's environment.
If you should have any question, please call me at (505) 260-4011.

Sincerely,

James R. Russell
Environmental Specialist

xc: Rich Jolly
Gallup Team

INFORMED MARK THAT THIS REQUEST NEEDS TO BE ROUTED THROUGH GALLUP ON A C-138.

Mark Ashley
4-27-98

Pace Analytical Services, Inc. - New Orleans
Sample Cross Reference Summary

Episode: LIS Client: Transwestern Pipeline

Project: E8311A

Site:

Lab ID	Client ID	Description	Matrix	Collected	Received
LIS-001	STA 5 SUMP		Soil	03/11/98	03/13/98

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: STA 5 SUMP
Client: TRANSWESTERN PIPELINE
Project: E8311A
Site: None
Lab ID: LIS-001
Episode: LIS
Sample Qu:
Description: None
Matrix: Soil
% Moisture: 15
Method: Low Soil SW 8260 Volatile Organics
Batch: 25639
Units: ug/kg

Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 25-Mar-98 15:37 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	244		11.8	
71-43-2	Benzene	1	ND		5.90	
75-27-4	Bromodichloromethane	1	ND		5.90	
75-25-2	Bromoform	1	ND		5.90	
74-83-9	Bromomethane (Methyl bromide)	1	ND		11.8	
78-93-3	2-Butanone (Methyl ethyl ketone)	1	179		11.8	
75-15-0	Carbon disulfide	1	ND		5.90	
56-23-5	Carbon tetrachloride	1	ND		5.90	
108-90-7	Chlorobenzene	1	ND		5.90	
75-00-3	Chloroethane	1	ND		11.8	
67-66-3	Chloroform	1	ND		5.90	
74-87-3	Chloromethane (Methyl chloride)	1	ND		11.8	
124-48-1	Dibromochloromethane	1	ND		5.90	
75-34-3	1,1-Dichloroethane	1	ND		5.90	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.90	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.90	
540-59-0	1,2-Dichloroethene (total)	1	ND		5.90	
78-87-5	1,2-Dichloropropane	1	ND		5.90	
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.90	
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.90	
100-41-4	Ethylbenzene	1	ND		5.90	
591-78-6	2-Hexanone	1	ND		11.8	
75-09-2	Methylene chloride (Dichloromethane)	1	6.95	A11	5.90	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	59.6		11.8	
100-42-5	Styrene	1	ND		5.90	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.90	
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.90	
108-88-3	Toluene	1	ND		5.90	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.90	
79-00-5	1,1,2-Trichloroethane	1	ND		5.90	
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.90	
75-01-4	Vinyl chloride (Chloroethene)	1	ND		11.8	
1330-20-7	Xylene (total)	1	17.9		5.90	

33 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: STA 5 SUMP
Client: TRANSWESTERN PIPELINE
Project: E8311A
Site: None
Lab ID: LIS-001
Episode: LIS
Sample Qu:
Description: None
Matrix: Soil
% Moisture: 15
Method: Low Soil SW 8270 Semivolatile Organics
Batch: 25647
Units: ug/kg

Prep Factor: 1.00
Leached: n/a
Prepared: 20-Mar-98
Analyzed: 25-Mar-98 17:16 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		393	
208-96-8	Acenaphthylene	1	ND		393	
120-12-7	Anthracene	1	ND		393	
56-55-3	Benzo(a)anthracene	1	ND		393	
205-99-2	Benzo(b)fluoranthene	1	ND		393	
207-08-09	Benzo(k)fluoranthene	1	ND		393	
65-85-0	Benzoic acid	1	ND		983	
191-24-2	Benzo(g,h,i)perylene	1	ND		393	
50-32-8	Benzo(a)pyrene	1	ND		393	
100-51-6	Benzyl alcohol	1	ND		393	
101-55-3	4-Bromophenyl phenyl ether	1	ND		393	
85-68-7	Butylbenzylphthalate	1	ND		393	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		393	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		393	
111-44-4	bis(2-Chloroethyl) ether	1	ND		393	
108-60-1	bis(2-Chloroisopropyl) ether	1	ND		393	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		393	
91-58-7	2-Chloronaphthalene	1	ND		393	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		393	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		393	
218-01-9	Chrysene	1	ND		393	
53-70-3	Dibenz(a,h)anthracene	1	ND		393	
132-64-9	Dibenzofuran	1	ND		393	
84-74-2	Di-n-butylphthalate	1	ND		393	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		393	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		393	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		393	
91-94-1	3,3'-Dichlorobenzidine	1	ND		787	
120-83-2	2,4-Dichlorophenol	1	ND		393	
84-66-2	Diethylphthalate	1	ND		393	
105-67-9	2,4-Dimethylphenol	1	ND		393	
131-11-3	Dimethylphthalate	1	ND		393	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		983	
51-28-5	2,4-Dinitrophenol	1	ND		983	

ND denotes Not Detected at or above the adjusted reporting limit.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: STA 5 SUMP
Client: TRANSWESTERN PIPELINE
Project: E8311A
Site: None
Lab ID: LIS-001
Episode: LIS
Sample Qu:
Description: None
Matrix: Soil
% Moisture: 15
Method: Low Soil SW 8270 Semivolatile Organics
Batch: 25647
Units: ug/kg

Prep Factor: 1.00
Leached: n/a
Prepared: 20-Mar-98
Analyzed: 25-Mar-98 17:16 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
121-14-2	2,4-Dinitrotoluene	1	ND		393	
606-20-2	2,6-Dinitrotoluene	1	ND		393	
117-84-0	Di-n-octylphthalate	1	ND		393	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		393	
206-44-0	Fluoranthene	1	ND		393	
86-73-7	Fluorene	1	ND		393	
118-74-1	Hexachlorobenzene	1	ND		393	
87-68-3	Hexachlorobutadiene	1	ND		393	
77-47-4	Hexachlorocyclopentadiene	1	ND		393	
67-72-1	Hexachloroethane	1	ND		393	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		393	
78-59-1	Isophorone	1	ND		393	
91-57-6	2-Methylnaphthalene	1	ND		393	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		393	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		393	
91-20-3	Naphthalene	1	ND		393	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		983	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		983	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		983	
98-95-3	Nitrobenzene	1	ND		393	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		393	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		983	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	393	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		393	
87-86-5	Pentachlorophenol	1	ND		983	
85-01-8	Phenanthrene	1	ND		393	
108-95-2	Phenol	1	ND		393	
129-00-0	Pyrene	1	ND		393	
120-82-1	1,2,4-Trichlorobenzene	1	ND		393	
95-95-4	2,4,5-Trichlorophenol	1	ND		983	
88-06-2	2,4,6-Trichlorophenol	1	ND		393	

65 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	STA 5 SUMP	Client:	TRANSWESTERN PIPELINE
Project:	E8311A	Site:	None
Lab ID:	LIS-001	Episode:	LIS
Description:	None	Matrix:	Soil
Method:	Low Soil SW 8080 PCBs	Batch:	25680

Sample Qu:

% Moisture: 15

Units: ug/kg

Prep Factor: 1.00 Leached: n/a Prepared: 24-Mar-98 Analyzed: 26-Mar-98 15:29 FFP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
12674-11-2	Aroclor-1016	10	ND	D2	393	
11104-28-2	Aroclor-1221	10	ND	D2	393	
11141-16-5	Aroclor-1232	10	ND	D2	393	
53469-21-9	Aroclor-1242	10	ND	D2	393	
12672-29-6	Aroclor-1248	10	ND	D2	393	
11097-69-1	Aroclor-1254	10	ND	D2	393	
1109-82-5	Aroclor-1260	10	ND	D2	393	

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: STA 5 SUMP
Client: TRANSWESTERN PIPELINE
Project: E8311A
Site: None
Lab ID: LIS-001
Episode: LIS
Description: None
Matrix: Soil
%Moisture: 15

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	25582	1	1	1.99		mg/kg	1.18	19-Mar-98	20-Mar-98	17:37 KJR	
Barium	SW 6010	25582	1	1	38.0		mg/kg	23.6	19-Mar-98	20-Mar-98	17:37 KJR	
Cadmium	SW 6010	25582	1	1	ND		mg/kg	0.590	19-Mar-98	20-Mar-98	17:37 KJR	
Chromium	SW 6010	25582	1	1	4.55		mg/kg	1.18	19-Mar-98	20-Mar-98	17:37 KJR	
Lead	SW 6010	25582	1	1	5.01		mg/kg	0.354	19-Mar-98	20-Mar-98	17:37 KJR	
Mercury	SW 7471	25528	1	1	ND		mg/kg	0.118	17-Mar-98	17-Mar-98	10:22 DNT	
Selenium	SW 6010	25582	1	1	ND		mg/kg	0.590	19-Mar-98	20-Mar-98	17:37 KJR	
Silver	SW 6010	25582	1	1	ND		mg/kg	1.18	19-Mar-98	20-Mar-98	17:37 KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: STA 5 SUMP
Client: TRANSWESTERN PIPELINE
Project: E8311A
Site: None
Lab ID: LIS-001
Episode: LIS
Description: None
Matrix: Soil
%Moisture: 15

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
TPH IR	EPA 418.1	25596	20	1	8770	D1 A	mg/kg	1180	16-Mar-98	18-Mar-98	DM	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

3/27/98 18:43:26

Pace Analytical Services, Inc. - New Orleans
Laboratory Quality Control Definitions

Our laboratory employs quality control (QC) measures to ensure the quality of our analytical data by defining its accuracy and precision. Presentation of the QC data with the report allows the data user the opportunity to evaluate these results and to gauge the method performance. In order to assist the understanding of these data, routine components of our QC program are defined below.

BATCH - A batch is a group of 20 samples or less of a given matrix and analysis by a specific protocol or analytical method.

BLANK - A method blank is a "clean" laboratory sample carried through the entire analytical process. One or more method blanks are prepared with each batch of samples. The analysis of method blanks demonstrates that method interferences caused by contaminants, reagents and glassware are known and minimized. A method blank should not contain any analytes of interest above the reporting limit. There are method allowances for common laboratory artifacts such as methylene chloride, acetone and bis-2-ethylhexyl phthalate.

LABORATORY CONTROL SPIKE - A laboratory control spike (LCS or blank spike) is a blank which has been spiked with known concentrations of target analytes. The LCS is carried through the entire analytical process. One or more LCS are prepared with each batch of samples. The percent recovery of the spiked analytes provides a measure of the accuracy of the analytical process in the absence of matrix effects.

MATRIX SPIKE - A matrix spike (MS) is a client sample which is spiked with known concentrations of target analytes. The MS is carried through the entire analytical process. One or more matrix spikes are prepared with every batch of samples. For organic methods, a matrix spike duplicate (MSD) is also prepared. The percent recovery of the spiked analytes provides a measure of the method accuracy in the selected sample and matrix.

DUPLICATE - A duplicate is a sample for which replicate aliquouts are carried through the entire analytical process. Comparison of the original results to those of the duplicate results provides a measure of the method precision in the sample and matrix. By convention, precision is measured for inorganic analyses using a sample and a sample duplicate, whereas for organics analyses, an MS/MSD are used.

SURROGATE - A surrogate is a non-target analyte which is added to all samples and QC samples prior to extraction or analysis. The percent recovery of the surrogate provides a measure of the method accuracy in each sample tested. Surrogates are used for organics methods only.

QC LIMITS - QC limits specify the expected percent recovery range for a spiked compound. QC limits may be set by method criteria or calculated from laboratory generated data. For many methods, these limits are advisory and do not require corrective action if exceeded.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Low Soil GC/MS Volatile Organics **Batch:** 25639 **Units:** ug/kg

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Acetone (2-Propanone, Dimethyl ketone)	50.0	121		50.0	65	92	34	1-200	1-200	50	
Benzene	50.0	87		50.0	92	96	4	66-142	66-142	21	
Bromodichloromethane	50.0	98		50.0	112	117	4	1-200	1-200	50	
Bromoform	50.0	108		50.0	109	116	6	1-200	1-200	50	
Bromomethane (Methyl bromide)	50.0	84		50.0	92	94	2	1-200	1-200	50	
2-Butanone (Methyl ethyl ketone)	50.0	132		50.0	139	158	13	1-200	1-200	50	
Carbon disulfide	50.0	74		50.0	77	82	6	1-200	1-200	50	
Carbon tetrachloride	50.0	115		50.0	123	122	1	1-200	1-200	50	
Chlorobenzene	50.0	97		50.0	99	104	5	60-133	60-133	21	
Chloroethane	50.0	92		50.0	94	99	5	1-200	1-200	50	
Chloroform	50.0	97		50.0	106	108	2	1-200	1-200	50	
Chloromethane (Methyl chloride)	50.0	77		50.0	75	74	1	1-200	1-200	50	
Dibromochloromethane	50.0	117		50.0	123	119	3	1-200	1-200	50	
1,1-Dichloroethane	50.0	97		50.0	102	108	6	1-200	1-200	50	
1,2-Dichloroethane (Ethylene dichloride)	50.0	112		50.0	122	125	2	1-200	1-200	50	
1,1-Dichloroethene (Dichloroethylene)	50.0	91		50.0	95	98	3	59-172	59-172	22	
1,2-Dichloroethene (total)	100	88		100	94	99	5	1-200	1-200	50	
1,2-Dichloropropane	50.0	93		50.0	101	104	3	1-200	1-200	50	
cis-1,3-Dichloropropene	50.0	93		50.0	105	105	0	1-200	1-200	50	
trans-1,3-Dichloropropene	50.0	103		50.0	117	111	5	1-200	1-200	50	
Ethylbenzene	50.0	86		50.0	90	92	2	1-200	1-200	50	
2-Hexanone	50.0	124		50.0	112	129	14	1-200	1-200	50	
Methylene chloride (Dichloromethane)	50.0	54		50.0	46	49	6	1-200	1-200	50	
4-Methyl-2-pentanone (MIBK)	50.0	105		50.0	104	123	17	1-200	1-200	50	
Styrene	50.0	95		50.0	98	102	4	1-200	1-200	50	
1,1,2,2-Tetrachloroethane	50.0	101		50.0	98	109	11	1-200	1-200	50	
Tetrachloroethene (Perchloroethylene)	50.0	103		50.0	106	105	1	1-200	1-200	50	
Toluene	50.0	89		50.0	97	98	1	59-139	59-139	21	
1,1,1-Trichloroethane (Methyl chloroform)	50.0	105		50.0	113	113	0	1-200	1-200	50	
1,1,2-Trichloroethane	50.0	97		50.0	106	106	0	1-200	1-200	50	
Trichloroethene (Trichloroethylene)	50.0	96		50.0	98	104	6	62-137	62-137	24	
Vinyl chloride (Chloroethene)	50.0	77		50.0	76	83	9	1-200	1-200	50	
Xylene (total)	150	93		150	98	98	0	1-200	1-200	50	

33 compound(s) reported

*** denotes recovery outside of QC limits.**
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Low Soil GC/MS Semivolatile Organics Batch: 25647 Units: ug/kg

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Acenaphthene	1660	77		1660	66	60	10	28-137	31-137	19	
Acenaphthylene	1660	76		1660	64	60	6	1-200	1-200	50	
Anthracene	1660	80		1660	69	65	6	1-200	1-200	50	
Benzo(a)anthracene	1660	80		1660	73	62	16	1-200	1-200	50	
Benzo(b)fluoranthene	1660	86		1660	67	57	16	1-200	1-200	50	
Benzo(k)fluoranthene	1660	62		1660	75	62	19	1-200	1-200	50	
Benzoic acid	1660	101		1660	75	15	133 *	1-200	1-200	50	Q1
Benzo(g,h,i)perylene	1660	86		1660	78	63	21	1-200	1-200	50	
Benzo(a)pyrene	1660	79		1660	75	63	17	1-200	1-200	50	
Benzyl alcohol	1660	77		1660	69	61	12	1-200	1-200	50	
4-Bromophenyl phenyl ether	1660	87		1660	81	68	17	1-200	1-200	50	
Butylbenzylphthalate	1660	79		1660	71	60	17	1-200	1-200	50	
4-Chloroaniline (p-Chloroaniline)	1660	39		1660				1-200	1-200	50	Q1
bis(2-Chloroethoxy)methane	1660	74		1660	61	57	7	1-200	1-200	50	
bis(2-Chloroethyl) ether	1660	80		1660	65	62	5	1-200	1-200	50	
bis(2-Chloroisopropyl) ether	1660	72		1660	58	50	15	1-200	1-200	50	
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1660	77		1660	68	57	18	28-103	26-103	33	
2-Chloronaphthalene	1660	77		1660	69	63	9	1-200	1-200	50	
2-Chlorophenol (o-Chlorophenol)	1660	77		1660	67	60	11	28-102	25-102	50	
4-Chlorophenyl phenyl ether	1660	84		1660	77	65	17	1-200	1-200	50	
Chrysene	1660	78		1660	73	61	18	1-200	1-200	50	
Dibenz(a,h)anthracene	1660	82		1660	76	63	19	1-200	1-200	50	
Dibenzofuran	1660	79		1660	72	62	15	1-200	1-200	50	
Di-n-butylphthalate	1660	82		1660	75	62	19	1-200	1-200	50	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1660	72		1660	55	57	4	1-200	1-200	50	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1660	71		1660	51	56	9	1-200	1-200	50	
1,4-Dichlorobenzene (p-Dichlorobenzene)	1660	68		1660	52	54	4	28-104	28-104	27	
3,3'-Dichlorobenzidine	1660	44		1660				1-200	1-200	50	Q1
2,4-Dichlorophenol	1660	87		1660	81	66	20	1-200	1-200	50	
Diethylphthalate	1660	81		1660	71	60	17	1-200	1-200	50	
2,4-Dimethylphenol	1660	55		1660	43	26	49	1-200	1-200	50	
Dimethylphthalate	1660	80		1660	74	64	14	1-200	1-200	50	
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cres	1660	93		1660	84	62	30	1-200	1-200	50	
2,4-Dinitrophenol	1660	91		1660	77	40	63 *	1-200	1-200	50	Q1
2,4-Dinitrotoluene	1660	83		1660	75	65	14	28-89	28-89	47	
2,6-Dinitrotoluene	1660	84		1660	78	65	18	1-200	1-200	50	
Di-n-octylphthalate	1660	72		1660	67	55	20	1-200	1-200	50	
bis(2-Ethylhexyl)phthalate	1660	75		1660	68	57	18	1-200	1-200	50	
Fluoranthene	1660	80		1660	74	61	19	1-200	1-200	50	
Fluorene	1660	75		1660	69	59	16	1-200	1-200	50	
Hexachlorobenzene	1660	91		1660	87	72	19	1-200	1-200	50	
Hexachlorobutadiene	1660	86		1660	67	68	1	1-200	1-200	50	

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Low Soil GC/MS Semivolatile Organics **Batch:** 25647 **Units:** ug/kg

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Hexachlorocyclopentadiene	1660	75		1660	63	56	12	1-200	1-200	50	
Hexachloroethane	1660	70		1660	55	56	2	1-200	1-200	50	
Indeno(1,2,3-cd)pyrene	1660	80		1660	72	60	18	1-200	1-200	50	
Isophorone	1660	72		1660	64	58	10	1-200	1-200	50	
2-Methylnaphthalene	1660	82		1660	76	66	14	1-200	1-200	50	
2-Methylphenol (o-Cresol)	1660	76		1660	69	54	24	1-200	1-200	50	
4-Methylphenol (p-Cresol)	1660	77		1660	69	55	23	1-200	1-200	50	
Naphthalene	1660	74		1660	63	60	5	1-200	1-200	50	
2-Nitroaniline (o-Nitroaniline)	1660	70		1660	57	52	9	1-200	1-200	50	
3-Nitroaniline (m-Nitroaniline)	1660	56		1660	35	47	29	1-200	1-200	50	
4-Nitroaniline (p-Nitroaniline)	1660	69		1660	57	54	5	1-200	1-200	50	
Nitrobenzene	1660	69		1660	57	54	5	1-200	1-200	50	
2-Nitrophenol (o-Nitrophenol)	1660	83		1660	71	65	9	1-200	1-200	50	
4-Nitrophenol (p-Nitrophenol)	1660	74		1660	66	54	20	28-114	11-114	50	
N-Nitrosodiphenylamine (Diphenylamine)	1660	84		1660	36	62	53 *	1-200	1-200	50	Q1
N-Nitroso-di-n-propylamine	1660	71		1660	59	52	13	28-126	41-126	38	
Pentachlorophenol	1660	69		1660	80	61	27	17-109	17-109	47	
Phenanthrene	1660	80		1660	72	60	18	1-200	1-200	50	
Phenol	1660	78		1660	71	63	12	26-90	26-90	35	
Pyrene	1660	78		1660	71	61	15	35-142	35-142	36	
1,2,4-Trichlorobenzene	1660	80		1660	65	65	0	38-107	38-107	23	
2,4,5-Trichlorophenol	1660	85		1660	78	66	17	1-200	1-200	50	
2,4,6-Trichlorophenol	1660	89		1660	77	67	14	1-200	1-200	50	

65 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Low Soil GC/MS Volatile Organics **Batch:** 25639

Lab ID	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
25639B1A19	92	97	94					
25639BA25	90	99	91					
25639SA19	92	96	95					
LGK-001	90	149 D	86					
LGK-001RE	82	135 D	98					
LHU-001	94	101	101					
LHU-003	90	103	96					
LHU-004	94	104	106					
LHU-006	87	119	100					
LHU-007	88	108	96					
LHU-021MS	96	87	100					
LHU-022MSD	94	96	101					
LIP-003	95	99	96					
LIP-005	91	97	87					
LIS-001	88	101	100					
LLR-006	91	82	86					
QC limits:	**81 - 117**	**74 - 121**	**80 - 120**					

Sur 1: SS Toluene-d8
Sur 2: SS 4-Bromofluorobenzene
Sur 3: SS Dibromofluoromethane

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Low Soil GC/MS Semivolatile Organics **Batch:** 25647

Lab ID	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
25647B1	82	85	92	85	78	89		
25647B2	90	77	81	85	76	70		
25647S1	82	86	98	84	80	113		
LHU-001	47	54	62	54	46	60		
LHU-003	76	83	94	85	76	94		
LHU-004	50	56	61	56	54	66		
LHU-006	31	34	47	35	33	41		
LHU-007	47	51	109	51	47	67		
LHU-007RE	45	52	115	49	45	68		
LHU-008	76	77	84	85	80	103		
LHU-009	79	83	91	89	83	100		
LHU-020	80	83	87	83	69	68		
LHU-021MS	61	72	85	73	65	103		
LHU-022MSD	60	66	73	66	63	85		
LIP-001	79	77	89	79	64	73		
LIP-003	73	76	86	80	64	72		
LIP-005	79	82	88	81	62	59		
LIS-001	61	66	69	67	63	88		
LKQ-001	56	40	41	33	32	55		
LKQ-002	32	32	33	28	27	40		
LKQ-002RE	28	31	43	25	26	43		
LKQ-003	83	83	98	79	59	57		
LKQ-004	78	83	93	78	58	44		
LL0-003DL	88	85	93	83	66	68		
LLO-001	56	39	29	54	51	42		
LLO-002	79	73	89	71	60	68		
LLO-002DL	86	80	81	81	70	51		
LLO-003DL	88	85	93	83	66	68		
QC limits:	**23 - 120**	**30 - 115**	**18 - 137**	**24 - 113**	**25 - 121**	**19 - 122**		

Sur 1: SS Nitrobenzene-d5
Sur 2: SS 2-Fluorobiphenyl
Sur 3: SS Terphenyl-d14
Sur 4: SS Phenol-d5
Sur 5: SS 2-Fluorophenol
Sur 6: SS 2,4,6-Tribromophenol

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 25639B1A19

Description: Low Soil Method Blank **Episode:** LIS **% Moisture:** n/a

Method: Low Soil GC/MS Volatile Organics **Batch:** 25639 **Units:** ug/kg

Prep Factor: 1 **Leached:** n/a **Prepared:** **Analyzed:** 19-Mar-98 15:16 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	21.9		10.0
71-43-2	Benzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		10.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0
124-48-1	Dibromochloromethane	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00
540-59-0	1,2-Dichloroethene (total)	1	ND		5.00
78-87-5	1,2-Dichloropropane	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
75-09-2	Methylene chloride (Dichloromethane)	1	7.46		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
100-42-5	Styrene	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0
1330-20-7	Xylene (total)	1	ND		5.00

33 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 25647B1

Description: Low Soil Method Blank **Episode:** LIS **% Moisture:** n/a

Method: Low Soil GC/MS Semivolatile Organics **Batch:** 25647 **Units:** ug/kg

Prep Factor: 1 **Leached:** n/a **Prepared:** 20-Mar-98 **Analyzed:** 24-Mar-98 11:27 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		333
208-96-8	Acenaphthylene	1	ND		333
120-12-7	Anthracene	1	ND		333
56-55-3	Benzo(a)anthracene	1	ND		333
205-99-2	Benzo(b)fluoranthene	1	ND		333
207-08-09	Benzo(k)fluoranthene	1	ND		333
191-24-2	Benzo(g,h,i)perylene	1	ND		333
65-85-0	Benzoic acid	1	ND		833
50-32-8	Benzo(a)pyrene	1	ND		333
218-01-9	Chrysene	1	ND		333
53-70-3	Dibenz(a,h)anthracene	1	ND		333
100-51-6	Benzyl alcohol	1	ND		333
206-44-0	Fluoranthene	1	ND		333
101-55-3	4-Bromophenyl phenyl ether	1	ND		333
85-68-7	Butylbenzylphthalate	1	ND		333
86-73-7	Fluorene	1	ND		333
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		333
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		333
111-91-1	bis(2-Chloroethoxy)methane	1	ND		333
91-20-3	Naphthalene	1	ND		333
111-44-4	bis(2-Chloroethyl) ether	1	ND		333
85-01-8	Phenanthrene	1	ND		333
108-60-1	bis(2-Chloroisopropyl) ether	1	ND		333
129-00-0	Pyrene	1	ND		333
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		333
91-58-7	2-Chloronaphthalene	1	ND		333
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		333
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		333
132-64-9	Dibenzofuran	1	ND		333
84-74-2	Di-n-butylphthalate	1	ND		333
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		333
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		333
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		333
91-94-1	3,3'-Dichlorobenzidine	1	ND		667
120-83-2	2,4-Dichlorophenol	1	ND		333
84-66-2	Diethylphthalate	1	ND		333
105-67-9	2,4-Dimethylphenol	1	ND		333
131-11-3	Dimethylphthalate	1	ND		333
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		833

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 25647B1

Description: Low Soil Method Blank **Episode:** LIS **% Moisture:** n/a

Method: Low Soil GC/MS Semivolatile Organics **Batch:** 25647 **Units:** ug/kg

Prep Factor: 1 **Leached:** n/a **Prepared:** 20-Mar-98 **Analyzed:** 24-Mar-98 11:27 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
51-28-5	2,4-Dinitrophenol	1	ND		833
121-14-2	2,4-Dinitrotoluene	1	ND		333
606-20-2	2,6-Dinitrotoluene	1	ND		333
117-84-0	Di-n-octylphthalate	1	ND		333
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		333
118-74-1	Hexachlorobenzene	1	ND		333
87-68-3	Hexachlorobutadiene	1	ND		333
77-47-4	Hexachlorocyclopentadiene	1	ND		333
67-72-1	Hexachloroethane	1	ND		333
78-59-1	Isophorone	1	ND		333
91-57-6	2-Methylnaphthalene	1	ND		333
95-48-7	2-Methylphenol (o-Cresol)	1	ND		333
106-44-5	4-Methylphenol (p-Cresol)	1	ND		333
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		833
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		833
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		833
98-95-3	Nitrobenzene	1	ND		333
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		333
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		833
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	333
621-64-7	N-Nitroso-di-n-propylamine	1	ND		333
87-86-5	Pentachlorophenol	1	ND		833
108-95-2	Phenol	1	ND		333
120-82-1	1,2,4-Trichlorobenzene	1	ND		333
95-95-4	2,4,5-Trichlorophenol	1	ND		833
88-06-2	2,4,6-Trichlorophenol	1	ND		333

65 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Med Soil GC Pesticides/PCBs and Chlorinated Hv Batch: 25680 Units: ug/kg

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Aroclor-1016	10000	104		10000	119 *	92	26	50-114	50-114	50	Q1
Aroclor-1260	10000	113		10000	148 *	155 *	5	8-127	8-127	50	Q1

2 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: LIS

Method: Med Soil GC Pesticides/PCBs and Chlorinated Hydr **Batch:** 25680

Lab ID	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
25680B1	105	118	93	111				
25680B2	0 *	327 *						
25680MS	111	114	126	162 G1				
25680MSD	96	124	95	126				
25680S1	105	121	111	135				
LID-001	69	94						
LID-002	148	192 *						
LID-004	137	191 D						
LID-021	718 *	840 *						
LID-022	0 *	170 *						
LID-026	2440 D	296 D						
LID-027	110	145						
LIL-001	84	175 D	81	169 D				
LIL-003	234 D	0 D						
LIS-001	316 D	182 D						
LKD-001	165 *	136						
LKD-002	283 D	418 D						
LKD-003	69	123						
LKR-008	79	93	87	104				
LKR-010	80	90	89	104				
LKR-011	76	105	85	143				
LLP-017	153 *	186 *						
LLR-005	483 D	1060 D						
QC limits:	**30 - 150**	**30 - 150**	**30 - 150**	**30 - 150**				

Sur 1: SS Tetrachloro-m-xylene
Sur 2: SS Decachlorobiphenyl
Sur 3: SS Tetrachloro-m-xylene (confirmation)
Sur 4: SS Decachlorobiphenyl (confirmation)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 25680B1

Description: Med Soil Method Blank **Episode:** LIS **% Moisture:** n/a

Method: Med Soil GC Pesticides/PCBs and Chlorinated Hy **Batch:** 25680 **Units:** ug/kg

Prep Factor: 1 **Leached:** n/a **Prepared:** 24-Mar-98 **Analyzed:** 24-Mar-98 18:52 FFP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
12674-11-2	Aroclor-1016	1	ND		1000
11104-28-2	Aroclor-1221	1	ND		1000
11141-16-5	Aroclor-1232	1	ND		1000
53469-21-9	Aroclor-1242	1	ND		1000
12672-29-6	Aroclor-1248	1	ND		1000
11097-69-1	Aroclor-1254	1	ND		1000
1109-82-5	Aroclor-1260	1	ND		1000

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Multiple Parameters - Multiple Batches

Episode: LIS

Parameter Name	Batch	Blank	Units	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	Dup RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Mercury	25528	ND	mg/kg	1.16	106		0.500	111		1	68-132	75-125	100	
Arsenic	25582	ND	mg/kg	151	100		200	74 *		32 *	76-126	75-125	20	Q1 Q9
Barium	25582	ND	mg/kg	178	95		200	5 *		23 *	77-123	75-125	20	Q3 Q9
Cadmium	25582	ND	mg/kg	136	91		5.00	70 *		0	77-123	75-125	100	Q1
Chromium	25582	ND	mg/kg	57.6	88		20.0	0 *		23 *	77-123	75-125	20	Q3 Q9
Lead	25582	ND	mg/kg	84.9	91		50.0	0 *		45 *	73-127	75-125	20	Q6 Q9
Selenium	25582	ND	mg/kg	132	97		200	60 *		0	74-126	75-125	100	Q1
Silver	25582	ND	mg/kg	57.0	84		5.00	59 *		0	55-137	75-125	100	Q1

=(Count([ParaCode])) " parameter(s) reported"

3/27/98 13:44:58

* denotes recovery outside of QC limits.

Spike amounts are not corrected for moisture content of the spiked sample.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Multiple Parameters - Multiple Batches

Episode: LIS

Parameter Name	Batch	Blank	Units	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	Dup RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
TPH IR	25596	ND	mg/kg	250	96		250	0 *		16	80-120	75-125	20	Q7

=(Count([ParaCode])) " parameter(s) reported"
* denotes recovery outside of QC limits.
Spike amounts are not corrected for moisture content of the spiked sample.

3/27/98 18:45:05

Pace Analytical

388795

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: TRANSWESTERN PIPELINE	Report To: BUTCH RUSSELL	Turn around Time: ☐ 24 Hours ☐ 48 Hours ☐ 3-5 Days ☐ 1 Week ☐ 2 Weeks ☑ Normal 14 Days	Pace Client No.
Address: 4001 INDIAN SCHOOL RD.	Bill To: SAME		Pace Project Manager
ST 250 SUMMIT OFF BLDG.	P.O. # / Billing Reference		Pace Project No.
Phone: 505 260 4081	Project Name / No.: E8311A		*Requested Due Date:

Sampled By (PRINT):

Sampler Signature Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA (HCL)	NaOH	$Na_2S_2O_3$	ANALYSES REQUEST: PCB	METALS RCRA	TPH-IR	VOA	SVOA	REMARKS
1	STA 5 SUMP	1515	S		3	✓						✓	✓	✓	✓	✓	
2																	
3																	
4																	
5																	
6																	
7																	
8																	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT/DATE	SHIPMENT METHOD RETURNED/DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Fed Ex			Fed Ex C Dominick/Pace	3/17/98	0930

Additional Comments

Run TPH-IR per Butch Russell.
3/16/98 Co.

SAMPLE CONDITION

Temp: 4 °C	Received on Ice: (Y) / N	Sealed Cooler: Y / N	Samples Intact: Y / N	pH

SEE REVERSE SIDE FOR INSTRUCTIONS

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 27, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-056

Mr. James R. Russell
Transwestern Pipeline Company
Summit Office Building
4001 Indian School Road, NE, Suite 250
Albuquerque, New Mexico 87110

RE: Removal of Remediated Soils From Landfarm WT-1 Compressor Station Approved under Discharge Plan GW-109 (Carlsbad Compressor Station) Eddy County, New Mexico

Dear Mr. Russell:

The New Mexico Oil Conservation Division (OCD) has completed a review of the Transwestern Pipeline Company (Transwestern) request dated February 26, 1998 and the additional information dated April 8, 1998 for removal of approximately sixty cubic yards of remediated soil from the landfarm at WT-1 compressor station. Based on the information provided, the Transwestern disposal request is approved.

Please be advised that OCD approval does not relieve Transwestern of liability should it later be found that contamination exists which could pose a threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve Transwestern of liability for compliance with other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist

xc: OCD Artesia Office

P 288 259 056

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 3:50 PM	Date 4-20-98
Originating Party		Other Parties
BUTCH RUSSELL - TRANSWESTERN		MARK KELLEY

Subject REMOVAL OF REMEDIATED CALICHE SOILS FROM WT-1 CS.

Discussion BUTCH WANTED APPROVAL TO MOVE SOILS.

Conclusions or Agreements VERBAL GIVEN BY MARK KELLEY, WITH WRITTEN APPROVAL TO FOLLOW.

Distribution

Signed Mark Kelley

Enron Transportation & Storage
Services Provided by Northern Natural Gas Company and Transwestern Pipeline Company
Summit Office Building
4001 Indian School Road, NE, Suite 250
Albuquerque, NM 87110
(505) 260-4000
Fax (505) 254-1437

April 8, 1998

Mr. Mark Ashley
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Removal of Remediated Soil from Land Farm WT-1 Compressor Station, Eddy County, New Mexico

Dear Mr. Ashley

Transwestern Pipeline Company has received your letter dated March 13,1998 requesting additional information before approving the use of the remediated soil. I hope the following information is sufficient. Transwestern would like to supplement the cover of the pipeline on the Crawford Lateral to eradicate the soil erosion. The legal description for the Crawford Lateral is Section 1 Q. NE, T-21, R-30 E. Through Section 6Q. NW, T-21S, R-31 E. The ranking criterion for this area is 0 for depth to water. Well head protection area the ranking will be 0. The ranking for distance to surface water body is also 0. The total ranking for Benzene, BTEX, TPH are all 0. Transwestern also would like to supplement the cover over the West Texas Lateral and that legal description is Section 9, T-21S, R-31E. The ranking criterion for this location is 0 for depth to water. Well head protection area the ranking is also 0. The ranking for distance to surface water is 0. The total ranking for Benzene, BTEX, and TPH is 0. Transwestern would also like to fill in the cellar area in the engine room located at our TW-1 Compressor Station. The cellar area has a cement floor and after filling we will cap it with 4" of concrete. This will have no effect on the ground water at this location
Soil analytical accompanies this request.

Should you need any additional information please give me a call at (505) 260-4011.

Sincerely,

James R. Russell
Environmental Specialist

xc: Rich Jolly
Carlsbad Team
file

EPIC LABORATORIES, INC.

ANALYTICAL AND QUALITY CONTROL REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628

Page 1

Project Description:
Job Description: Landfarm - WT-1

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to EPIC Laboratories, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
331769	103 Landfarm #1	04/23/1997		04/25/1997
331770	104 Landfarm #2	04/23/1997		04/25/1997
331771	105 Landfarm #3	04/23/1997		04/25/1997
331772	106 Landfarm #4	04/23/1997		04/25/1997
331773	107 Landfarm #5	04/23/1997		04/25/1997

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Debby Skogen
Project Coordinator

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

ANALYTICAL RESULTS REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628
Sample Number: 331769

Project Description:
Job Description: Landfarm - WT-1

Sample Description: 103 Landfarm #1

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
TPH-418.1 (Nonaqueous)		377	ug/g	E-418.1		05/01/1997	bsg		1296	10
SPA 8020-NONAQ										
Benzene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Ethylbenzene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Toluene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Xylenes, Total		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
SURR: a,a,a-TFT		79	% Rec			04/30/1997	zsc		962	50-130

ANALYTICAL RESULTS REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628
Sample Number: 331771

Project Description:
Job Description: Landfarm - WT-1

Sample Description: 105 Landfarm #3

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
TPH-418.1 (Nonaqueous)		337	ug/g	E-418.1		05/01/1997	bzy		1296	10
EPA 8020-NONAQ										
Benzene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Ethylbenzene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Toluene		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
Xylenes, Total		<10	ug/kg	S-8020A		04/30/1997	zsc		962	10
SURR: a,a,a-TFT		89	% Rec			04/30/1997	zsc		962	50-130

ANALYTICAL RESULTS REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628
Sample Number: 331770

Project Description:
Job Description: Landfarm - WT-1

Sample Description: 104 Landfarm #2

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
TPH-418.1 (Nonaqueous)		269	ug/g	E-418.1		05/01/1997	bas		1296	10
EPA 8020-NONAQ										
Benzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Ethylbenzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Toluene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Xylenes, Total		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
SURR: a,a,a-TFT		85	% Rec			04/30/1997	zst		962	50-130

ANALYTICAL RESULTS REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628
Sample Number: 331772

Project Description:
Job Description: Landfarm - WT-1

Sample Description: 106 Landfarm #4

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
TPH-418.1 (Nonaqueous)		296	ug/g	E-418.1		05/01/1997	bss		1296	10
EPA 8020-BTXAQ										
Benzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Ethylbenzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Toluene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
Xylenes, Total		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
SURR: a,a,a-TFT		60	% Rec			04/30/1997	zst		962	50-130

ANALYTICAL RESULTS REPORT

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628
Sample Number: 331773

Project Description:
Job Description: Landfarm - WT-1

Sample Description: 107 Landfarm #5

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
PH-418.1 (Nonaqueous)		250	ug/g	E-418.1		05/01/1997	bss		1296	10
PA 8020-NONAQ										
enzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
thylbenzene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
oluene		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
ylenes, Total		<10	ug/kg	S-8020A		04/30/1997	zst		962	10
URR: a,a,a-TFT		74	% Rec			04/30/1997	zst		962	50-130

QUALITY CONTROL REPORT
BLANKS

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628

Project Description:
Job Description: Landfarm - WT-1

Parameter	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch Number	Run Batch Number
TPH-418.1 (Nonaqueous)		<10	ug/g	10	04/29/1997		1286
EPA 8020-NONAQ							
Benzene		<10	ug/kg	10	04/30/1997		962
Ethylbenzene		<10	ug/kg	10	04/30/1997		962
Toluene		<10	ug/kg	10	04/30/1997		962
Xylenes, Total		<10	ug/kg	10	04/30/1997		962

All parameters should be less than the reporting limit.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION STANDARD

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628

Project Description:
Job Description: Landfarm - WT-1

Parameter	Flag	CCVS True Concentration	Units	CCVS Concentration Found	CCVS Percent Recovery	Date Analyzed	Run Batch Number
TPH-418.1 (Nonaqueous)		2660	ug/g	2629	99.2	04/29/1997	1296
EPA 8020-NONAQ							
Benzene		20	ug/kg	23	115.0	04/30/1997	962
Ethylbenzene		20	ug/kg	19	95.0	04/30/1997	962
Toluene		20	ug/kg	22	110.0	04/30/1997	962
Xylenes, Total		60	ug/kg	55	91.7	04/30/1997	962

CCVS - Concinuing Calibration Verification Standard

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628

Project Description:
Job Description: Landfarm - WT-1

Parameter	Flag	Units	Sample Result	Spike Amount Added	Matrix Spike Result	MS Percent Recovery	Duplicate Spike Amount Added	MSD Result	MSD Percent Recovery	MS/MSD RPD	Date Analyzed	Prep Batch Number	Run Batch Number
TPH-418.1 (Nonaqueous)		ug/g	343.	906	1260	101.2	862	1250	105.2	3.9	04/29/1997		1296
TPH-418.1 (Nonaqueous)		ug/g	269	500.	809	108.0	500	837	113.6	5.1	05/01/1997		1296

NOTE: The Quality Control data in this report reflects the batch in which your sample was prepped and/or analyzed. The sample selected for QA may not necessarily be your sample.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Larry Campbell
TRANSWESTERN PIPELINE
6381 N. Main St.
Roswell, NM 88202

05/01/1997

EPIC Job Number: 97.01628

Project Description:
Job Description: Landfarm - WT-1

Analyte	Prep Batch No.	Run Batch No.	LCS True Conc	Units	LCS Conc Found	LCS % Rec.	LCS Dup Conc. Found	LCS Dup % Rec	LCS % RPD	Flag	Date Analyzed
EPA 8020-MODAQ											
Benzene		962	100	ug/kg	95	95.0	95	95.0	0.0		04/30/1997
Ethylbenzene		962	100	ug/kg	100	100.0	100	100.0	0.0		04/30/1997
Toluene		962	100	ug/kg	120	120.0	100	100.0	18.2		04/30/1997
Xylenes, Total		962	300	ug/kg	315	105.0	285	95.0	9.9		04/30/1997

LCS - Laboratory Control Standard

For samples with insufficient sample volume, an LCS/LCS duplicate is reported instead of an MS/MSD.

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY TRANSWESTERN PIPELINE
ADDRESS BOX 77 CARLSBAD, N.M. 88220
PHONE 505 885-8525 FAX 505-885-1162
PROJECT NAME/LOCATION LANDFARM - WT-1
PROJECT NUMBER
PROJECT MANAGER SHANE YOUNGBLOOD

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

P.2/2

SAMPLED BY: DAVID ALLISTON (PRINT NAME) _____ SIGNATURE

(PRINT NAME) _____ SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	OTHER	ANALYSES: TPH	BTEX
4/23		103 LANDFARM #1			✓						✓	✓
4/23		104 LANDFARM #2			✓						✓	✓
4/23		105 LANDFARM #3			✓						✓	✓
4/23		106 LANDFARM #4			✓						✓	✓
4/23		107 LANDFARM #5			✓						✓	✓

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes ____ No ____

Is this work being conducted for regulatory enforcement action? Yes ____ No ____

Which regulations apply: RCRA ____ NPDES Wastewater ____ UST ____ Drinking Water ____ Other ____ None ____

COMMENTS

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT: ____ Bottles supplied by NET? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA ____
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS ____ DATE ____

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR NET BY:
D ALLISTON	4-24-97	1404	Ed Forms FedEx				

METHOD OF SHIPMENT

REMARKS:

MAY 07 '97 11:22PM

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK