DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL -GAS **ADMINISTRATION**

FEB 0 8 1999 + pproven

P.O. BOX 507 **DULCE, NEW MEXICO 87528**

PIT REMEDIATION AND CLOSURE REPORT

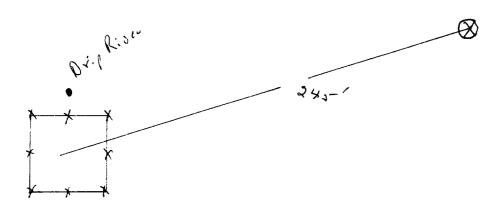
Operator: PNM Gas Services (WFS) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 874	401
Facility or Well Name: An Apache M	n-3 Drip
Location: Unit: A Sec. 13	T. 25 N R. 4 W County Rio Arriba
Pit Type: Separator Dehydrator	Other Nr:
Land Type:	<u> </u>
Pit Location: Pit dimensions: length	20' width 20' depth 3'
(Attach diagram) Reference: wellhead	other
Footage from reference:	245'
Direction from reference: 62	
	ofχ West Southχ_
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Wellhead Protection Area: FEB - 1 1990	Yes (20 points) No (0 points)
water source, or, less than 1,000 feet from all other water sources)	W.
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

Date Remediation Started	: 11-20-98	Date Completed:	12/28/98 RAD
Remediation Method:	Excavation χ	_ Approx. Cubic Yards	550
(Check all appropriate	LandfarmedX	Amount Landfarmed (cu	ubic yds): 556
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Offsite $\frac{Ax}{Sec}$ $\frac{A}{13}$	che M-7 200, 40, A
1 1	laminated soil Fro	m 114 side	walls to a
Bottom at	a head spore redicated in Ruck 3 por	it 5 mg/a	
Excould pit	* 22' X 2L' X 2L' *	•	
Ground Water Encounter		Depth	
Final Pit Closure Sampling:	Sample Location with will Be them	Zent well Southward	1
(if multiple samples, attach sample result and diagram of	Sample depth 26/	,	
sample locations and depths.)	Sample date	Sample time	1000
Sa	ample Results		
Soil: B	enzene (ppm)N_O	Water: Benzene	
To	otal BTEX (ppm /8.2	Toluene -	
Fi	ield headspace (ppm)'	_	zene (ppb)
TI	PH 328 ppm Method 7	Total Xyl	enes (ppb)
Ground Water Sample:	Yes No	(If yes, attac	h sample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BE	THE INFORMATION ABOVE IS TRELIEF	RUE AND COMPLETE TO	THE BEST OF MY
DATE	23/98 PRINT	Gary Cook	(
SIGNATURE	Gorh AND	TITLE Environment	al Technician III
	PIT CLOSURE INFORMATION, PIT		ED IN ACCORDANCE
APPROVED: YES	NO (REASON):	
SIGNED:	Manuel DATE	: 12-15-9	8

Ax: Apache M-3 Drip WFS Sec. 13, 25N, 4W, A 11/20/38

site diagram:

1 N



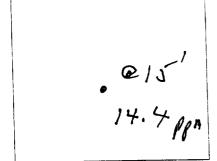
Not to scale

Ax: Aprche M-3 Orig WFS Sec 13, 25N. 4W, A

North Wall

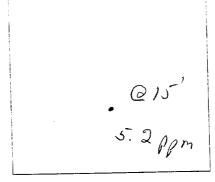
21.9 ppm

East Wall

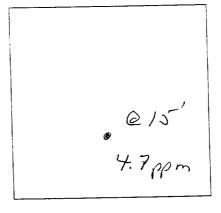


Bottom

South Wall



West Wall



1276pm @ 26'
ROCK

3 pt. comp. head space reading = 1516 ppm

LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Jicarilla Pit Remediation

Lab Order:

9811074

CASE NARRATIVE

Date: 08-Dec-98

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Dec-98

Client:

PNM - Public Service Company of NM

Work Order:

9811074

9811074-01A

Matrix: SOIL

Lab ID: **Project:**

Jicarilla Pit Remediation

Client Sample Info: Axi Apache M-3 Drip

Client Sample ID: 9811231000; Bottom @ 26 ft

Collection Date: 11/23/98 10:00:00 AM

COC Record: 7196

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	320	25	mg/Kg	1	12/3/98
ВТЕХ	SW8020A				Analyst: HR
Benzene	ND	200	μg/Kg	200	11/25/98
Toluene	1200	400	μg/Kg	200	11/25/98
Ethylbenzene	1500	200	μg/Kg	200	11/25/98
m,p-Xylene	12000	400	μg/Kg	200	11/25/98
o-Xylene	3500	200	μ g/K g	200	11/25/98
	18200	`			
	18.20	D ~~~	_		

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1



LAB: (505) 325-1556

Date: 08-Dec-98

ANALYTICAL REPORT

Client:

PNM - Public Service Company of NM

Work Order:

9811074

Lab ID:

9811074-02A

Matrix: SOIL

Project:

Jicarilla Pit Remediation

Client Sample Info: Axi Apache M-3 Drip

Client Sample ID: 9811231005; Walls @ 15 ft

Collection Date: 11/23/98 10:05:00 AM

COC Record: 7196

Parameter	Result	PQL (Qual Units	DF	Date Analyzed	_
DIESEL RANGE ORGANICS	SW8015				Analyst: HR	
T/R Hydrocarbons: C10-C28	31	25	mg/Kg	1	12/4/98	

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (WFJ) Telephone: 324-3764					
Address: 603 W. Elm Street Farmington, NM 87401					
Facility or Well Name: Axi Apache M-7 Dv:p					
Location: Unit: A Sec. 13 T. 25 N R. 4 W County Rio Arriba					
Land Type: Jicarilla Apache					
Date Remediation Started: 11/20/93 Date Completed: H4 12-18-93 Remediation Method: Landfarmed X Approx. cubic yards Composted Other					
Depth to Ground Water: (pts.) 🕒 Final Closure Sampling:					
Distance to an Ephemeral Stream: (pts.) Sampling Date:					
Distance to Nearest Lake, Playa, (pts.) D Sampling Results:					
Wellhead Protection Area: (pts.) Field Headspace (ppm)					
Distance to Surface Water: (pts.) o TPH (ppm) 320 Method TPH-80					
Ranking Score (Total Points):					
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF					
DATE 12/22/98 PRINTED NAME Gary Cook					
SIGNATURE AND TITLEEnvironmental Technician III					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE					
APPROVED: YES X NO (REASON) NO Book Bill					
SIGNED: 12-28-98					

Axi Apache M-3 Ovip Sec. 13, 25N, YW, A

11-23-98



ON location: Ax: Agrache M-7 Sec. 13, 25N, 4W, A

550 ya-ds

90' 31.9 ppm 21.2 pgm 17.3 /1-26.1 ppm 29.8 pm

 \otimes

Not to scale

2"-12" depth 5011 vapor head space = 53.6 ppm



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Jicarilla Pit Remediation

Lab Order:

9812026

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Dec-98

Client:

PNM - Public Service Company of NM

Work Order:

9812026

9812026-05A

Matrix: SOIL

Lab ID: Project:

Jicarilla Pit Remediation

Client Sample Info: Axi Apache M-3 Drip LF

Client Sample ID: 9812100803; 6pt. Composite

Collection Date: 12/10/98 8:03:00 AM

COC Record: 7447

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	320	25	mg/Kg	1	12/18/98

bookfill pit with soil from borrow pit

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1