DEPUTY JL & GAS INSPECTOR

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

FEB 6 8 1999

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507 DULCE, NEW MEXICO 87528

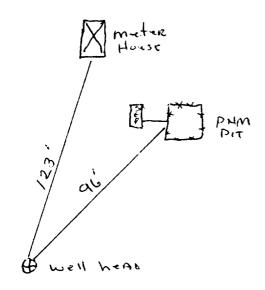
PIT REMEDIATION AND CLOSURE REPORT

1 12 de clarife ff	
Operator: PNM Gas Services (BROG) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 874	01
Facility or Well Name: ARIZONA Jic	ARILLA B-1
Location: Unit: M Sec. 4	T. 36N R. 5 W County Rio Arriba
Pit Type: Separator X Dehydrator	Other
Land Type:	
Pit Location: Pit dimensions: length	えの' width
Pit Location: Pit dimensions: length _	XC
(Attach diagram) Reference: wellhead	X other
	23' 96
Footage from reference:	
Direction from reference: 45	
	of West South
	West South
James and the second	(20
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points)
(Vertical distance from contaminants	Greater than 100 feet (0 points)
to seasonal high water elevation of ground water)	
Initaly Estate	Yes (20 points) No (0 points)
Wellhead Protection Area: (Less than 200 feet from a private domestic	No (Opolius)
water source, or; less than 1,000 feet from all	
other water sources)	Less than 200 feet (20 points)
Distance to Surface Water:	200 feet to 1,000 feet (10 points)
(Horizontal distance to perennial (Horizontal distance to perennial (Horizontal distance to perennial (Horizontal distance to pere	Greater than 1,000 feet (0 points)
lakes, ponds, rivers, streems, creeks, imgation canals and ditches)	
Distance to Ephemeral Stream (dry wash):	Less than or equal to 100 feet (10 points)
(Horizontal distance to all downgradient	Greater than 100 feet (0 points)
streams having a width of at least 10	
Distance to Nearest Lake, Playa, or Watering	Less than or equal to 100 feet (10 points)
Pond:	Greater than 100 feet (0 points)
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	
	RANKING SCORE (TOTAL POINTS):

Date Remediation Started: 4/10/98	Date Completed:				
Remediation Method: Excavation \times	Approx. Cubic Yards 370				
(Check all Landfarmed X	Amount Landfarmed (cubic yds): 370				
sections) Other					
Remediation Location: Onsite X (i.e., landfarmed onsite, name and location of offsite facility)	Offsite				
General Description of Remedial Action: Removed Contaminated Soil	from all four side walls				
713 16 361 25	headspace reading. Pit ock. 3 Point composite of				
Ground Water Encountered: No Yes	Depth				
Final Pit Closure Sample Location No 2th Sampling:	CAST, South, west side walls PIT bottom				
(if multiple samples, attach Sample depth \(\frac{\psi}{\psi}\)'	(1/2)				
sample locations and Sample date $6/1098$	Sample time				
Sample Results Soil: Benzene (ppm) D	Water: Benzene (ppb)				
Total BTEX (ppm 24.600					
Field headspace (ppm) 1200	Ethylbenzene (ppb)				
TPH NO ppm Method	Total Xylenes (ppb)				
Ground Water Sample: Yes No	(If yes, attach sample results)				
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS KNOWLEDGE AND MY BELIEF	TRUE AND COMPLETE TO THE BEST OF MY				
	NTED NAME Roy Burnham				
DATE 4/24/98 PRI SIGNATURE Ray Burnha AM	ND TITLE Environmental Technician II				
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES NO (REASO					
SIGNED: Low Man DA	ATE: 6-29-98				

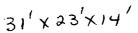
ARIZONA SICARILLA 15-1 BROG Sec-4 T26M R56 UNITM

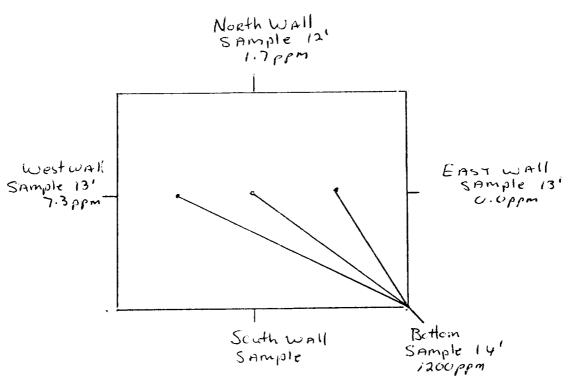
SITE DRAwing



ARIZOMA SICHRUM 15-1 Sec-4 Tach R5W Unit M BROG

EXCAUATION DEAWING





5 SAMPLE - 1313 ppm 10' SAMPLE - 730 ppm Rock 14' SAMPLE - 125 ppm 1119 ppm 344 ppm

LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Jicarilla Pit Remediation

Lab Order:

9806050

CASE NARRATIVE

Date: 22-Jun-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: 22-Jun-98

Client:

PNM - Public Service Company of NM

Work Order:

9806050

9806050-02A

Matrix: SOIL

Lab ID: Project:

Jicarilla Pit Remediation

Client Sample Info: Arizona Jicarilla B-1

Client Sample ID: 9806110821; 3pt. Comp. Bottom

Collection Date: 6/11/98 8:21:00 AM

COC Record: 7164

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR	
T/R Hydrocarbons: C10-C28	550	25		mg/Kg	1	6/17/98
втех	SW8020A				Analyst: DC	
Benzene	ND	1 0 0		µg/Kg	100	6/14/98
Toluene	3600	20 0		μg/Kg	100	6/14/98
Ethylbenzene	1400	100		μg/Kg	100	6/14/98
m,p-Xylene	15000	200		μg/Kg	100	6/14/98
o-Xylene	4600	100		μg/Kg	100	6/14/98
•	24.600	ppm				
	74.600 24600)0h				

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Jun-98

Client:

PNM - Public Service Company of NM

Work Order:

9806050

Lab ID:

9806050-01A

Matrix: SOIL

Project:

Jicarilla Pit Remediation

Client Sample Info: Arizona Jicarilla B-1

Client Sample ID: 9806110820; 4pt. Comp. Walls

Collection Date: 6/11/98 8:20:00 AM

COC Record: 7164

Parameter	Result	PQL	Qual Units	DF	Date Analyzed	
DIESEL RANGE ORGANICS	SW8015			Analyst: HR		
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	6/11/98	

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

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

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

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (BROG)	Telephone: 324-3764				
Address: 603 W. Elm Street Farmington, NM 87401					
Facility or Well Name: ARIZONA TICARILL	B-1				
Location: Unit: // Sec. 4 T.	<u> 2ピN</u> R. <u>5w</u> County Rio Arriba				
Land Type: Jicarilla Apache					
Date Remediation Started: 6/10/98 Remediation Method: Landfarmed Composted Other	Date Completed: 7/1년 호리 Approx. cubic yards 370				
Depth to Ground Water: (pts.) Distance to an Ephemeral Stream: (pts.) Distance to Nearest Lake, Playa, (pts.) or Watering Pond: Wellhead Protection Area: (pts.) Distance to Surface Water: (pts.)	Final Closure Sampling: Sampling Date: 7/1/98 Time 1/41 Sampling Results: Field Headspace (ppm) 0.0 TPH (ppm) N.D Method 8015 Other				
THEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF DATE SIGNATURE ROY Burnham AND TITLE Environmental Technician II					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-S JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE APPROVED: YES	ATE: 7-28-98				

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CLIENT:

LAB: (505) 325-1556

On Site Technologies, LTD.

PNM - Public Service Company of NM

Project: Landfarms

Lab Order: 9807019

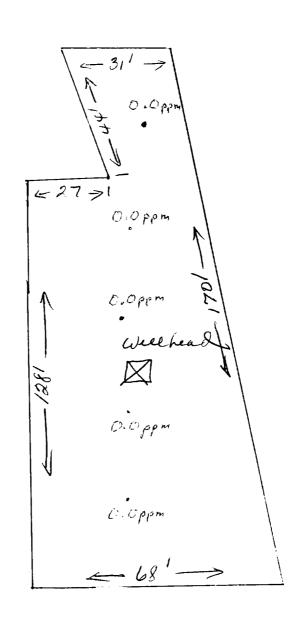
CASE NARRATIVE

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.

ARIZONA JICARILLA B-1 BURLINGTON / UNIT M SECL 4 T26N R5W LANDFARM DRAWING





LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jul-98

Client:

PNM - Public Service Company of NM

Work Order:

9807019

Lab ID:

9807019-05A

Matrix: SOIL

Project:

Landfarms

Client Sample Info: Arizona Jicarilla B-1 LF

Client Sample ID: 9807071141; 5pt. Comp

Collection Date: 7/7/98 11:41:00 AM

COC Record: 7262

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	7/14/98

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