04

District I Deputy S. Tout

District II DEPUTY OIL & GAS INSPECTOR

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT I COPY TO
APPROPRIATE
DISTRICT OFFICE
AND I COPY TO
SANTA FE OFFICE

P O. Drawer DD, Artesia, NM 88221

OIL CONSERVATION DIVISION

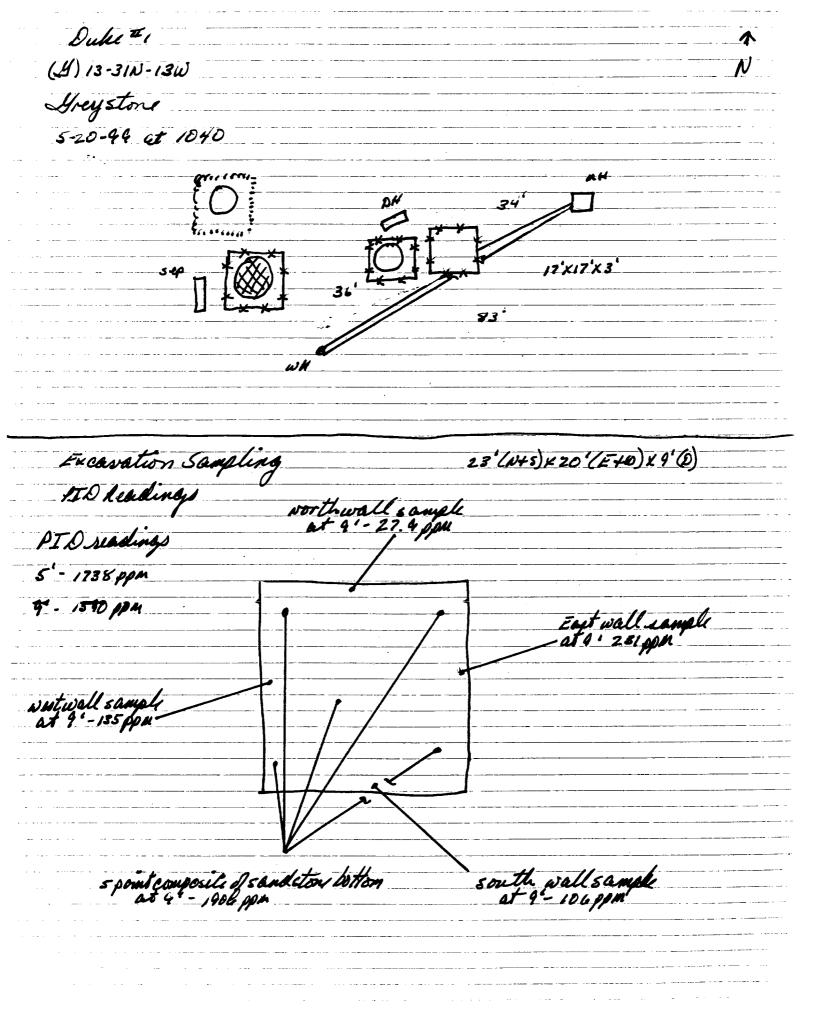
2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

DECEIVED

) Telephone: 324-3764 PNM Gas Services (Greystone Operator: 603 W. Elm Street Farmington, NM 87401 Address: Facility or Well Name: Duke #1 County Location: 31 N R 13 W San Juan Sec 13 Dehydrator Other Separator \checkmark Pit Type: Land Type: **BLM** State Other Fee width Pit dimensions: length Pit Location: 17 ' Reference: wellhead other (Attach diagram) Footage from reference: 36' Direction from reference: 53 Degrees East North Y of West South (20 points) Less than 50 feet Depth to Ground Water: (10 points) 50 feet to 99 feet 0 Greater than 100 feet (0 points) (Vertical distance from contaminants to seasonal high water elevation of ground Wellhead Protection Area: (20 points) Yes 0 (0 points) No (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources) (20 points) Less than 200 feet Distance to Surface Water: (10 points) 200 feet to 1,000 feet 0 Greater than 1,000 feet (0 points) (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches (TOTAL POINTS): RANKING SCORE 0

Duke #1			D (C) 1 1 1		
Date Remediation Started:	05/20/1999		Date Completed:	1999	
Remediation Method:	Excavation x		Approx. Cubic Yard	<u> </u>	153
(Check all appropriate sections)	Landfarmed x		Amount Landfarme	d (cubic yds)	153
sections)	Other				
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X		Offsite		
Backfill Material Location:				<u>. </u>	
General Description of Ren	nedial Action:				
Excavated contaminated soing 12". Soil was aerated by distance.	I to a pit size of 23' X 20' X king/plowing until soil met r	9' and landfarmer regulatory levels.	d soil onsite within a t	permed area a	t a depth of 6" to
Ground Water Encountere	d: No <u>✓</u>	Yes		Depth _	
Final Pit Closure Sampling:	Sample Location 5	pt. composite - b	ottom.		
(if multiple samples, attach sample result and diagram of	Sample depth 9				
sample locations and depths.)	Sample date 05/2	0/1999	Sample time	1:	30:00 PM
	Sample Results	•			
	Benzene (ppm	0.69)		
	Total BTEX (J	opm)	23.89		
	Field headspace	(ppm)			
	TPH (ppm)	38.00	Method	8015B	 .
Vertical Extent (ft)		Risk An	alysis form attached	Yes	No <u>▼</u>
Ground Water Sample:	Yes	No 📝	(If yes, see atta Summary Repo		vater Site
I HEREBY CERTIFY THA KNOWLEDGE AND MY		ABOVE IS TRU	E AND COMPLETE	TO THE BES	ST OF MY
DATE July 27, 1999 SIGNATURE YJJUU	regelannon		PRINTED NAME I	Maureen Ga Project Man	





LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Gross #1, Duke #1, Starr #1M

Lab Order:

9905074

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: 02-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9905074

9905074-03A

Matrix: SOIL

Lab ID: Project:

Gross #1, Duke #1, Starr #1M

Client Sample Info: Duke #1

Client Sample ID: 9905201330; 5pt. Comp. Bottom

Collection Date: 5/20/99 1:30:00 PM

COC Record: 7627

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SV	V8015B			Analyst: DC
T/R Hydrocarbons: C10-C28	38	25	mg/Kg	1	5/28/99
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DM
Benzene	690	100	μg/Kg	100	5/21/99
Toluene	8600	200	μ g/K g	100	5/21/99
Ethylbenzene	1200	100	μg/Kg	100	5/21/99
m,p-Xylene	11000	200	μg/Kg	100	5/21/99
o-Xylene	2400	100	μ g /Kg	100	5/21/99
	0000				
	23890				
	23.89 0	1001	^		

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

J - Analyte detected below Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate P.O. BOX 2606 • FARMINGTON, NM 87499 1 of 1



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 02-Jun-99

Client:

Lab ID:

PNM - Public Service Company of NM

Work Order:

9905074

9905074-04A Matrix: SOIL Client Sample Info: Duke #1

Client Sample ID: 9905201340; 4 Wall Comp.

Collection Date: 5/20/99 1:40:00 PM

Gross #1, Duke #1, Starr #1M Project:

COC Record: 7627

Parameter	Result	PQL	Qual Units		DF	Date Analyzed
DIESEL RANGE ORGANICS	SV	V8015B		-		Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	٠	1	5/28/99

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

Duke # 1 Sec-13 T-3IN R-13W UL-H Greystone

LANdfarm DRAWING App 153 cuyds

A	60'	
77	1.2 ppm 1.7 ppm	
	2.8pm	49
9.1ppm	14.9pm	

2" to 12" Depth Headspace 9.2ppm Samplet 9907011250

LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

PNM Pit Remediation Landfarms

Lab Order:

9907007

CASE NARRATIVE

Date: 19-Jul-99

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: 19-Jul-99

Client:

PNM - Public Service Company of NM

Work Order:

9907007

Lab ID:

9907007-01A

Matrix: SOIL

Project:

PNM Pit Remediation Landfarms

Client Sample Info: Duke #1 LF

Client Sample ID: 9907011250; 5pt. Composite

Collection Date: 7/1/99 12:50:00 PM

COC Record: 7730

Parameter	Result	PQL	Qual Units		DF	Date Analyzed
DIESEL RANGE ORGANICS	SI	W8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	•	1	7/15/99

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

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