3R - <u>32</u>7

REPORTS

DATE: Nov. 1, 1999

Public Service Company of New Mexico 603 W. Elm - P.O. Box 4750 Farmington, NM 87499 505 950-1997 Fax 505 325-7365

November 1, 1999

Oil Conservation Division Attention: Bill Olson 2040 South Pacheco Santa Fe, NM 87505

Subject: OCD Closure Reports - 3rd Reporting Quarter, 1999

Dear Mr. Olson:

PNM Environmental Services is submitting closure reports to the Oil Conservation Division for the groundwater sites listed below:

- 1. Florance #32A
- 2. Jacques #2A
- 3. Linda #1A
- 4. Mangum #1E
- 5. McClanahan #22
- 6. McCoy Gas Com A #1
- 7. Reid #16 Drip

I have provided copies of the closures to Denny Foust for his information.

I have also enclosed copies of closures submitted to Denny Foust for his approval for the sites listed below:

1. Angel Peak #23E 20. Dusenberry #2A 2. Aztec SRC #8 Drip 21. East #10M 3. C.M. Morris #3 22. East #12 4. Crouch Area Drip East 23. East #15 5. Crouch Area Drip West 24. East #16 6. Culpepper Martin #10A 25. East #22 7. Culpepper Martin #15A 26. East #22A 8. Culpepper Martin #1A GC 27. East #5 9. Culpepper Martin #1A RH 28. East #8 10. Culpepper Martin #1E 29. East #9A 11. Culpepper Martin #3A 30. Eaton Federal #1 12. Culpepper Martin #3M 31. EH Pipken #5 13. Culpepper Martin #4A 32. EH Pipken #5 Drip 14. Culpepper Martin #4M 33. Federal #1E 15. Culpepper Martin #8A 34. Florance #25 16. Decker #4A Dehy 35. Florance #27A 17. Decker A #3 Drip 36. Fred Feasel G #1 18. Decker A #3 Separator 37. Fred Feasel G #1 Drip 19. Dusenberry #1A 38. Fred Feasel G #1E

39. Grenier #12 58. Hanks #12E East 40. Grenier #13E 59. Hanks #12Y 41. Grenier #15 60. Hanks #17 42. Grenier #15E 61. Hare #12 43. Grenier #2A 62. Hare #13 44. Grenier #3 63. Hare #15 45. Grenier #4 Dehy 64. Hare #16 46. Grenier #4A Sep 65. Hare #17 47. Grenier #6A 66. Hare #18 East 48. Grenier A #1A Sep 67. Hare #22A 49. Grenier A #4 68. Holder A #1 50. Grenier A #4E 69. Horton #1 51. Grenier A #5 70. Horton #1A 52. Grenier A #6 71. Hubbard #1A 53. Grenier A #8 72. Jackson #2E 54. Grenier B #3E 73. Kutz Government #5J 55. Grenier B #4 74. Martinez #1 56. Gross #1

57. Gross #1E

If you have any questions, please call me at 324-3764.

Sincerely, Kathy Inck Staff Assistant

Gas Services

cc: Denny Foust

District I P.O. Box 1980, Hobbs, NM

.

District II P.O. Drawer DD, Artesia, NM 88221

District III 1000 Rio Brazos Rd, Aztec, NM 87410 State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505 SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Greystone) Telephone:	324-3764		
Address:	603 W. Elm Street Farmington, NM 8			. <u> </u>	
Facility or W	ell Name: Linda #1A			<u></u>	
Location:	Unit <u>D</u> Sec	<u>31</u> T <u>27 N</u> R	8 <u>8 W</u> County	San Juan	
Pit Type:	Separator Dehydr	rator Other	Abandoneo	i	
Land Type:	BLM State	Fee 🗌 Other	Navajo Res	ervation	
Pit Location:	Pit dimensions: length	_15 ' width	_15 ' depth	3 '	
(Attach diagram	m) Reference: wellhead	✓ other		, 	
	Footage from reference:	225'			_
	Direction from reference: 15	Degrees 🗹	East North		
	······		of West South		
Depth to Gro (Vertical distance from seasonal high water eler water	contaminants to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	20
Wellhead Pro (Less than 200 feet fror domestic water source, feet from all other wate	or, less than 1,000	Yes No		(20 points) (0 points)	0
Distance to S (Horizontal distance to ponds, rivers, streams,		Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points)	10
canals and ditches	·	RANKING SCORE	(TOTAL POINTS)	:	30

`				
Linda #1A			Date Com	
Date Remediation Started:	06/29	9/1998	- Date Com	pleted: 06/30/1998
Remediation Method:	Excavation	_ <u>x</u>	Approx. C	ubic Yard 1037
(Check all appropriate	Landfarmed	<u>X</u>	Amount La	andfarmed (cubic yds)957
sections)	Other 80 c	cu yds overburden.		<u> </u>
Remediation Location:	Onsite	X - 800 cu yds.	Offsite	237 cu yds - Navajo C #1
(i.e., landfarmed onsite, name and location of offsite facility)				<u></u>
Backfill Material Location:		·		- <u></u>
General Description of Ren Excavated contaminated soi	I to a pit size of	35' X 50' X 16' and landfarr	ned soil onsite	e within a bermed area at a depth of 6"
to 12". Soil was aerated by c	lisking/plowing	until soil met regulatory leve	els	······································
		·····		
Ground Water Encountere	d: No	Yes		Depth16'
Final Pit Closure Sampling:	Sample Loca	tion <u>Walls</u>		
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample dept	h 15' & 16'		
sample locations and depuis.	Sample date	06/30/1998	Sampl	e time 9:30:00 AM
	Sample Resu	lts		
	Benz	zene (ppm) < <u>0.00</u>)1	
	Tota	1 BTEX (ppm) 0.0	03200	
	Field	headspace (ppm)		-
	TPH (ppm)	< 25.00	Method	8015B
Vertical Extent (ft)	<u> </u>	Risk A	nalysis form a	ttached Yes No 🔽
Ground Water Sample:	Yes	No No		, see attached Groundwater Site ary Report)
I HEREBY CERTIFY THA KNOWLEDGE AND MY		RMATION ABOVE IS TRU	JE AND CON	IPLETE TO THE BEST OF MY
DATE October 28, 19 SIGNATURE Mai	99 uruby	24m	PRINTED I AND TITL	NAME Maureen Gannon E Project Manager

Groundwater Site Summary Report

Quarter/Year: 4th/98, 1st/99, 2nd/99 & 3rd/99

Operator: Chateau Sec: 31 Twn: 27N Rng: 8W Unit: D Canyon: Blanco Vulnerable Class: Original OCD Ranking: 40 Lead Agency: NEPA/USEPA

Topo Map: Figure 1 Well Completion Diagrams: Previously submitted Site Map with Analytical Results: Figure 2 Groundwater Contour Map: Figure 3 (October 1998), Figure4 (February 1999), Figure 5 (April 1999) and Figure 6 (September 1999) Hydrograph: Figure 7 Full suite-Groundwater Sampling Results: Previously submitted Analytical Results: attached 2nd/99 & 3rd/99 only

Site Hydrology:

The Linda 1A site lies on the western side of Blanco Canyon, a north-draining wash with a fairly broad alluvial plain (about one-quarter mile wide). Blanco Canyon joins Largo Canyon about seven miles from its mouth with the San Juan River. The site's elevation is about 6063 ft. amsl.

Fine to medium grained sands were found in shallow soils beneath the site. Some clayey materials were encountered at depths greater than 5 feet.

Depth to water has ranged from about 16 to 18 feet beneath the site. Groundwater flow direction is towards the north and northeast, towards the wash in Blanco Canyon (east) and parallel with the drainage direction of Blanco Canyon (north) (Figure(s) 3a & 3b). The site hydrograph shows that water levels have risen about 1 foot over the last two quarters.

Activities for Previous Year:

Quarterly sampling took place on October 22, 1998, February 11, 1999, April 28, 1999 and again on September 28, 1999. Water level measurements were taken in the four monitoring wells. PNM conducted groundwater sampling in each well for chemical analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX). All sampling was performed in strict compliance with EPA protocol. PNM delivered the samples to OnSite Technologies, Farmington, New Mexico. The samples were analyzed for BTEX using EPA Method 8021B. Monitor well, MW-2, was resampled during September 1999 quarterly monitoring for chlorides, sulfates and total dissolved solids (TDS).

Results:

Figure 2 presents a site map showing BTEX for each monitoring well since groundwater contamination was discovered. Results of the first four quarters of monitoring have shown BTEX concentrations to be below laboratory detection limits in all four wells. Water quality results from monitor well MW-2 revealed chlorides at concentrations equal to the WQCC standard at 250 ppm. Sulfates were slightly elevated at 750 ppm and TDS at 2130 ppm, both above the WQCC standards of 600 ppm and 1000 ppm, respectively. Through literature research and discussions with the OCD, these concentrations are not uncommon to the San Juan Basin and are most likely naturally occurring since the chloride values are relatively low.

Public Service Company of New Mexico - Gas Services

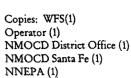
Environmental Services Division - Alvarado Square, MS-0408 Albuquerque, NM 87158

Contact: Maureen Gannon

Telephone: 505-241-2974

PNMGS: Nov99ClosureRPT

01-Nov-99



EPA IX (1)



Further Action:

Consistent with PNM's San Juan Basin Groundwater Management Plan, PNM requests closure of the Linda 1A. This request is based upon the analytical data collected over the last two years at the site. The excavation of source materials was successful in achieving clean-up at the Linda 1A. BTEX concentrations in all wells have been below laboratory detection limits for four consecutive quarters.

Upon approval of the groundwater closure report, PNM will plug and abandon the five groundwater monitoring wells at the site. The concrete pad and metal vault surrounding each well will be removed. The well casing will be cut to ground surface and each well will be plugged to the surface with cement containing 5% bentonite.

Public Service Company of New Mexico - Gas Services Environmental Services Division - Alvarado Square, MS-0408 Albuquerque, NM 87158

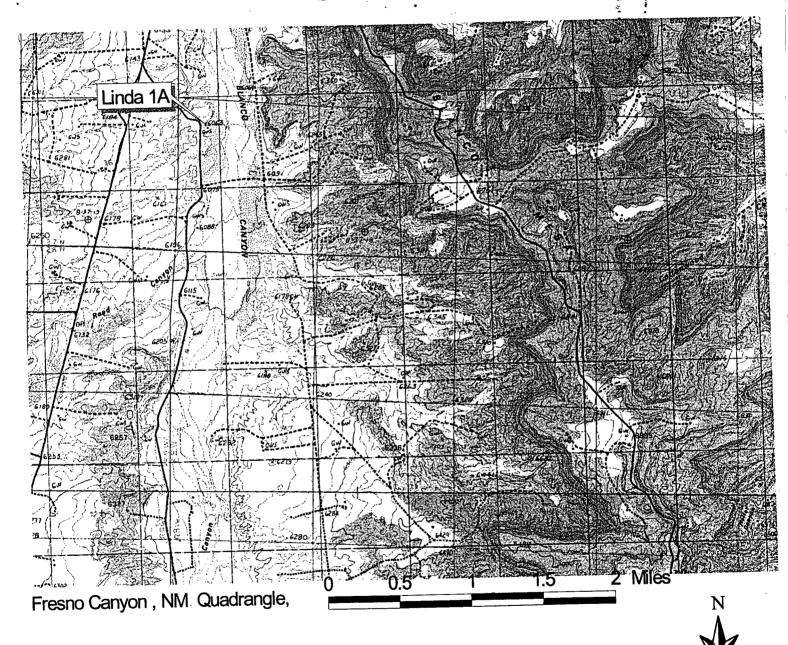
Contact: Maureen Gannon

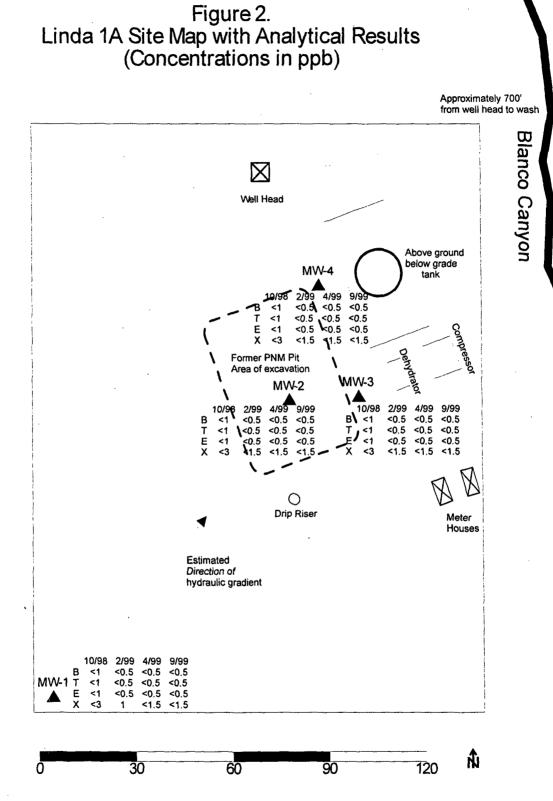
PNMGS: Nov99ClosureRPT

Telephone: 505-241-2974



Figure 1 Linda 1A Groundwater Site Twn. 27N Rng. 8W Sec. 31 Unit D





Feet

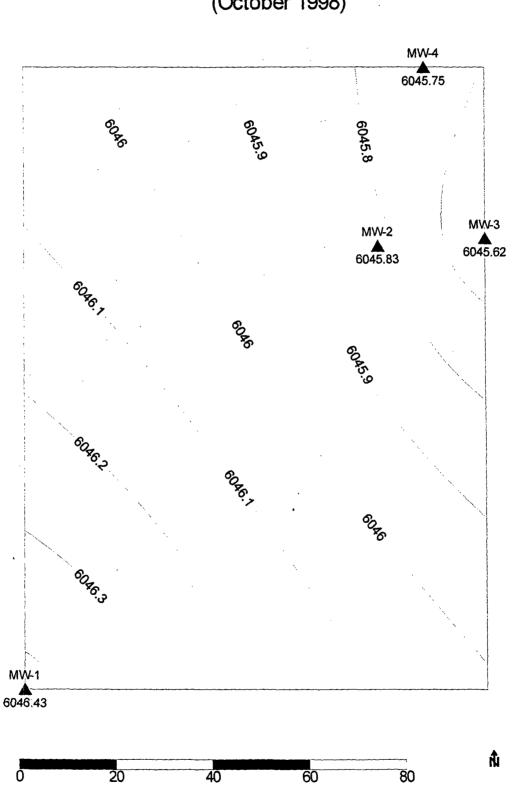
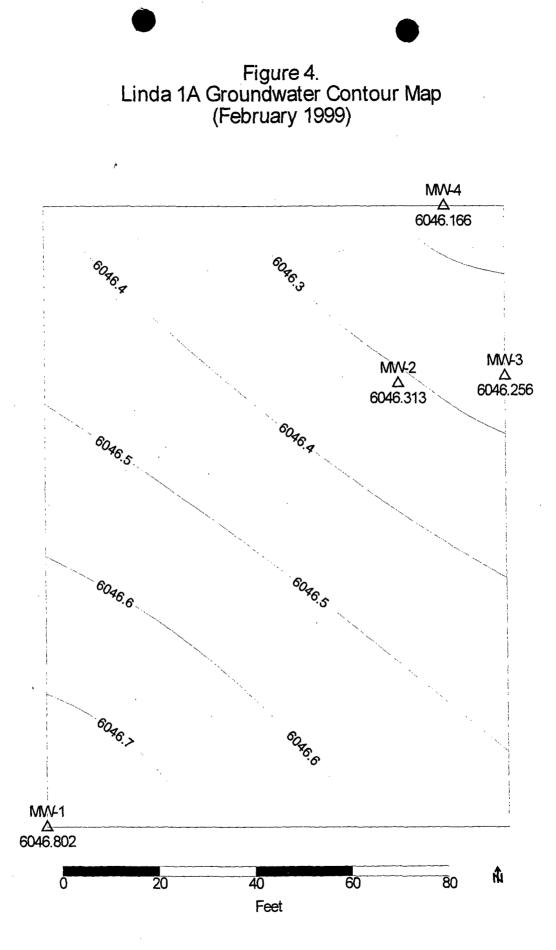
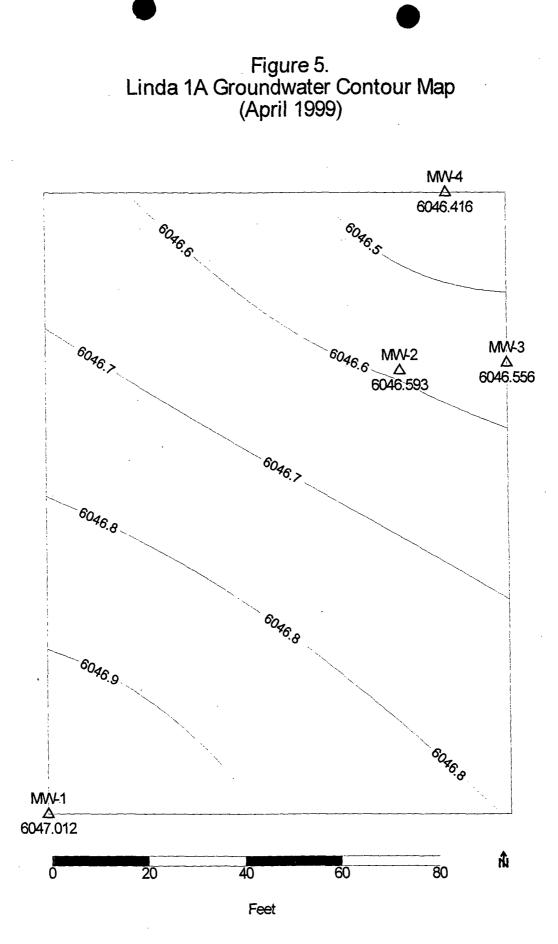


Figure 3. Linda 1A Groundwater Contour Map (October 1998)

S/Surfer/Linda1A/Oct98.srf





S/Surfer/Linda1A/Apr99.srf

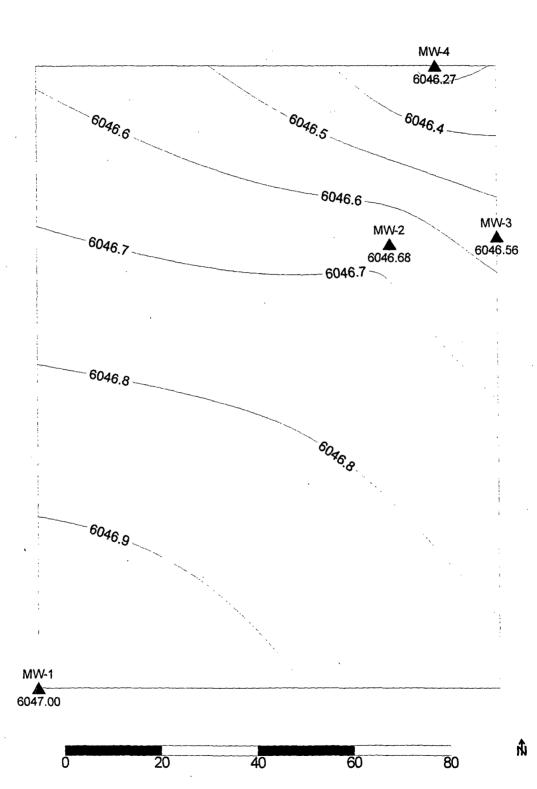
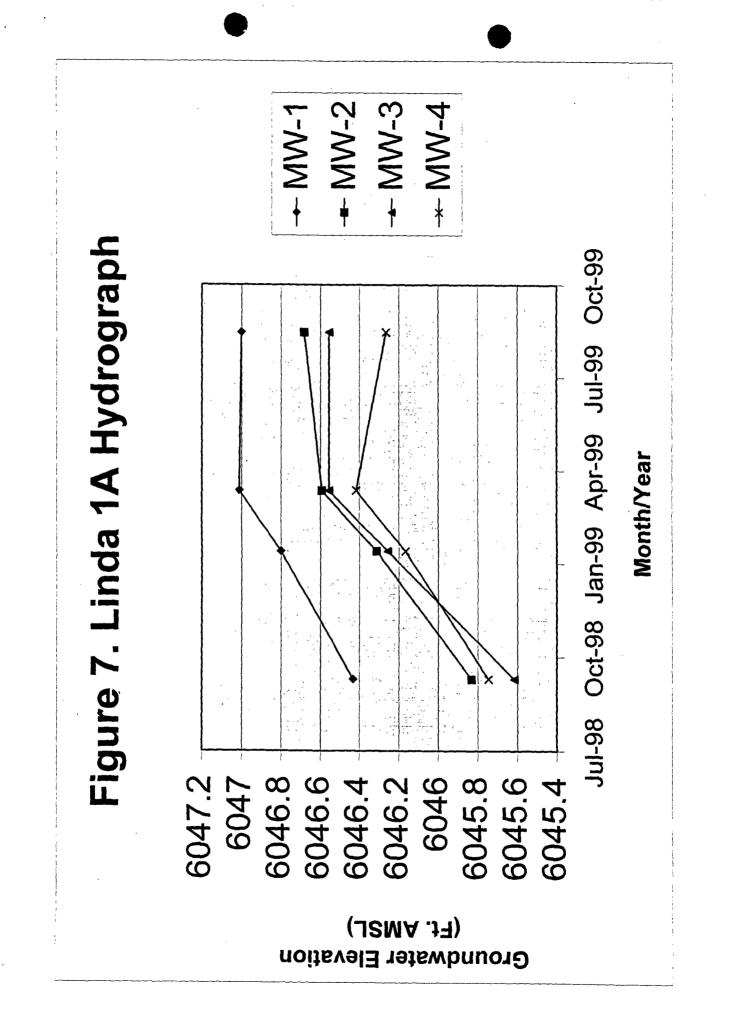


Figure 6. Linda 1A Groundwater Contour Map (September 1999)

S/Surfer/Linda1A/Sep99.srf



ON SITE TECHNOLOGIES, LTD.

May 14, 1999

Maureen Gannon PNM - Public Service Company of NM Alvarado Square Mail Stop 0408 Albuquerque, NM 87158 TEL: (505) 241-2974 FAX (505) 241-2340

RE: Linda 1A

Dear Maureen Gannon,

RECEIVED

LAB: (505) 325-1556

RECEIVED

MAY 2 1 1999

Order No.: 9905001

On Site Technologies, LTD. received 5 samples on 5/3/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests: Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox

- TECHNOLOGY BLENDING LIDUSTRY WITH THE ENVIRONMENT -



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-May-99

CLIENT:	PNM - Public Service Company of NM	
Project:	Linda 1A	CASE NARRATIVE
Lab Order:	9905001	

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.

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client:	PNM - Public Se	ervice Company of NM	Client Sample Info:	Linda 1A
Work Order:	9905001		Client Sample ID:	9904281000; MW-1
Lab ID:	9905001-01A	Matrix: AQUEOUS	Collection Date:	4/28/99 10:00:00 AM
Project:	Linda 1A		COC Record:	7535

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DC
Benzene	ND	0.5	µg/L	1	5/7/99
Toluene	ND	0.5	µg/L	1	5/7/99
Ethylbenzene	ND	0.5	µg/L	1	5/7/99
m,p-Xylene	ND	1	µġ/L	1	5/7/99
o-Xylene	ND	0.5	μg/L	1	5/7/99

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING PUPUSTRY WITH THE ENVIRONMENT -

1 of 1



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client:PNM - Public ServWork Order:9905001		vice Company of N	ce Company of NM		Client Sample Info: Linda 1A Client Sample ID: 9904281100; MW-3				
Lab ID:	9905001-03A	Matrix: AQUEO	DUS	Collection D a	ate: 4/28/99	11:00:00 AM			
Project:	Linda 1A			COC Reco	ord: 7535	7535			
Parameter		Result	PQL	Qual Units	DF	Date Analyzed			
	ATILES BY GC/PID	SV	V8021B			Analyst: DC			
Benzene		ND	0.5	μg/L	1	5/7/99			
Toluene		ND	0.5	µg/L	1	5/7/99			
Ethylbenzene		ND	0.5	µg/L	1	5/7/99			
m,p-Xylene		ND	1	μg/L	1	5/7/99			
		ND	0.5	µg/L		5/7/99			

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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

B - Analyte detected in the associated Method Blank

- TECHNOLOGY BLENDING TODISTRY WITH THE ENVIRONMENT -



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client: Work Order: Lab ID: Project:	PNM - Public Sex 9905001 9905001-04A Linda 1A	rvice Company of N Matrix: AQUE		Client Sample Info: Linda 1A Client Sample ID: 9904281130; MW-4 Collection Date: 4/28/99 11:30:00 AM COC Record: 7535				
Parameter		Result	PQL	Qual Units	DF	Date Analyzed		
	ATILES BY GC/PIE) SI	N8021B			Analyst: DC		
Benzene		ND	0.5	µg/L	1	5/7/99		
Toluene		ND	0.5	µg/L	1	5/7/99		
Ethylbenzene		ND	0.5	µg/L	1	5/7/99		
m,p-Xylene		ND	1	μg/L	1	5/7/99		
o-Xylene		ND	0.5	µg/L	1	5/7/99		

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

1 of 1

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING MOUSTRY WITH THE ENVIRONMENT -



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-May-99

Client:		vice Company of N	M	Client Sample In		inda 1A 904281015; Open Excv. Strmwtr	
Work Order: Lab ID: Project:	9905001 9905001-05A Linda 1A	Matrix: AQUEC	DUS	Collection D COC Reco	ate: 4/28/99		
Parameter	· <u> </u>	Result	PQL	Qual Units	DF	Date Analyzed	
	ATILES BY GC/PID	SV	V8021B			Analyst: DC	
Benzene		ND	0.5	µg/L	1	5/3/99	
Toluene		ND	0.5	µg/L	1	5/3/99	
Ethylbenzene		ND	0.5	µg/L	1	5/3/99	
m,p-Xylene		ND	1	μg/L	1	5/3/99	
o-Xylene		ND	0.5	µg/L	1	5/3/99	

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

Surr: - Surrogate

E - Value above quantitation range

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TERMONDORY BLENDING MOUSTRY WITH THE ENVIRONMENT -

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ent: F.J X Ent: F.J X Client Signature <u>Must</u> Accompany Request) Date <u>LI X</u> (Client Signature <u>Must</u> Accompany Request) Distribution: Write - On Site Vellow - LAB Pink - Sampler Goldennod - Client	Relinquished by:				eceived	by:			Date/Time	
ent: F.J.X. Push Rush 24-48 Hours 10 Working Days Specia していたいのでは、「ALAB Hours 10 Working Days Specia (Client Signature <u>Must</u> Accompany Request) Distribution: White - On Site Yellow - LAB Phik - Sampler Goldernod - Client	Relinquished by:		Date/Time	E Second	eceived	by:			Date/Time	
していたいのでは、「「「「」」」の「「」」」「「」」」「「」」」「「」」」」「「」」」」」」「」」」」」」	Method of Shipment: $\Gamma d X$			H	hsh Hsu	24-481		rking Days	Special Instructions:	
(Client Signature <u>Must</u> Accompany Request) Distribution: White - On She Vellow - L& Pink - Sampler Goldenrod - Client	241 2 C	Date						· · · ·	Results to be	sent
ie : Yellow - LAB / Pink - Sampler Goldenrod -							44		to both parti	es.
		ð	stribution: White - On Site Yelk	w - LAB - Pink	- Sampler	Goldenrod - Client		•• •		

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LAB: (505) 325-1556

October 13, 1999

RE: Linda 1A

Maureen Gannon PNM - Public Service Company of NM Alvarado Square Mail Stop 0408 Albuquerque, NM 87158 TEL: (505) 241-2974 FAX (505) 241-2340

RECEIVED OCT 1 8 1999

Order No.: 9909081

Dear Maureen Gannon,

On Site Technologies, LTD. received 4 samples on 09/28/1999 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Aromatic Volatiles by GC/PID (SW8021B) Chloride (E325.3) Sulfate (M4500-SO4 D) Total Dissolved Solids (E160.1)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT:	PNM - Public Service Company of NM	
Project:	Linda 1A	CASE NARRATIVE
Lab Order:	9909081	

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

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

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

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

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client: Work Order: Lab ID: Project:	PNM - Public Se 9909081 9909081-01A Linda 1A	rvice Company of N Matrix: AQUE0		Client Sample In Client Sample Collection Da COC Reco	ID: 9909281 ite: 09/28/19	
Parameter		Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOL	ATILES BY GC/PI) SV	V8021B			Analyst: DM
Benzene		ND	0.5	μg/L	1	09/30/1999
Toluene		ND	0.5	µg/L	1	09/30/1999
Ethylbenzene		ND	0.5	µg/L	1	09/30/1999
m,p-Xylene		ND	1	µg/L	1	09/30/1999
o-Xylene		ND	0.5	µg/L	1	09/30/1999

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

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1 of 1



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client: PNM - Public Serv Work Order: 9909081		vice Company of N	IM	Client Sample In Client Sample		Linda 1A 9909281100; MW-2		
Lab ID:	9909081-02A	Matrix: AQUEC	DUS	Collection Date: 09/28/1999 11:00:00 AM				
Project:	Linda 1A	·		COC Reco	ord: 7827	7827		
Parameter		Result	PQL	Qual Units	DF	Date Analyzed		
	ATILES BY GC/PID	sv	V8021B			Analyst: DM		
Benzene		ND	0.5	µg/L	1	09/30/1999		
Toluene		ND	0.5	µg/L	1	09/30/1999		
Ethylbenzene		ND	0.5	µg/L	1	09/30/1999		
m,p-Xylene		ND	1	μg/L	1	09/30/1999		
		ND	0.5	µg/L	4	09/30/1999		

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

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: /3-Oct-99

Client: Work Order: Lab ID: Project:	PNM - Public Se 9909081 9909081-02B Linda 1A	ervice Company of N Matrix: AQUEO		Client Sample Inf Client Sample I Collection Dat COC Recor	D: 9909281 te: 09/28/19	
Parameter		Result	PQL	Qual Units	DF	Date Analyzed
CHLORIDE			25.3			Analyst: HR
		250	1	mg/L	1	10/04/1999
SULFATE Sulfate		750	500-SO4 8	mg/L	1	Analyst: HR _ 10/04/1999
TOTAL DISSOL	VED SOLIDS	E10	60.1			Analyst: HR
Total Dissolved S Filterable)	Solids (Residue,	2130	40	mg/L	1	10/01/1999

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

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client: Work Order: Lab ID:	PNM - Public Ser 9909081 9909081-03A	vice Company of N Matrix: AQUE0		Client Sample In Client Sample	ID: 9909281	
Lab 1D: Project:	Linda 1A	Matrix: AQUEC		COC Rec		777 12.00.00 FM
Parameter		Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOL	ATILES BY GC/PID	SV	V8021B			Analyst: DM
Benzene		ND	0.5	µg/L	1	09/30/1999
Toluene		ND	0.5	µg/L	1	09/30/1999
Ethylbenzene		ND	0.5	µg/L	1	09/30/1999
m,p-Xylene		ND	1	μg/L	1	09/30/1999
o-Xylene		ND	0.5	µg/L	1	09/30/1999

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

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 13-Oct-99

Client: Work Order: Lab ID: Project:	PNM - Public Se 9909081 9909081-04A Linda 1A	rvice Company of N Matrix: AQUEC		Client Sample In Client Sample I Collection Da COC Reco	ID: 9909281 hte: 09/28/19	
Parameter		Result	PQL	Qual Units	DF	Date Analyzed
	ATILES BY GC/PI) sv	V8021B			Analyst: DM
Benzene		ND	0.5	µg/L	1	09/30/1999
Toluene		ND	0.5	μg/L	1	09/30/1999
Ethylbenzene		ND	0.5	µg/L	1	09/30/1999
m,p-Xylene		ND	1	μġ/L	1	09/30/1999
o-Xylene		ND	0.5	µg/L	1	09/30/1999

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

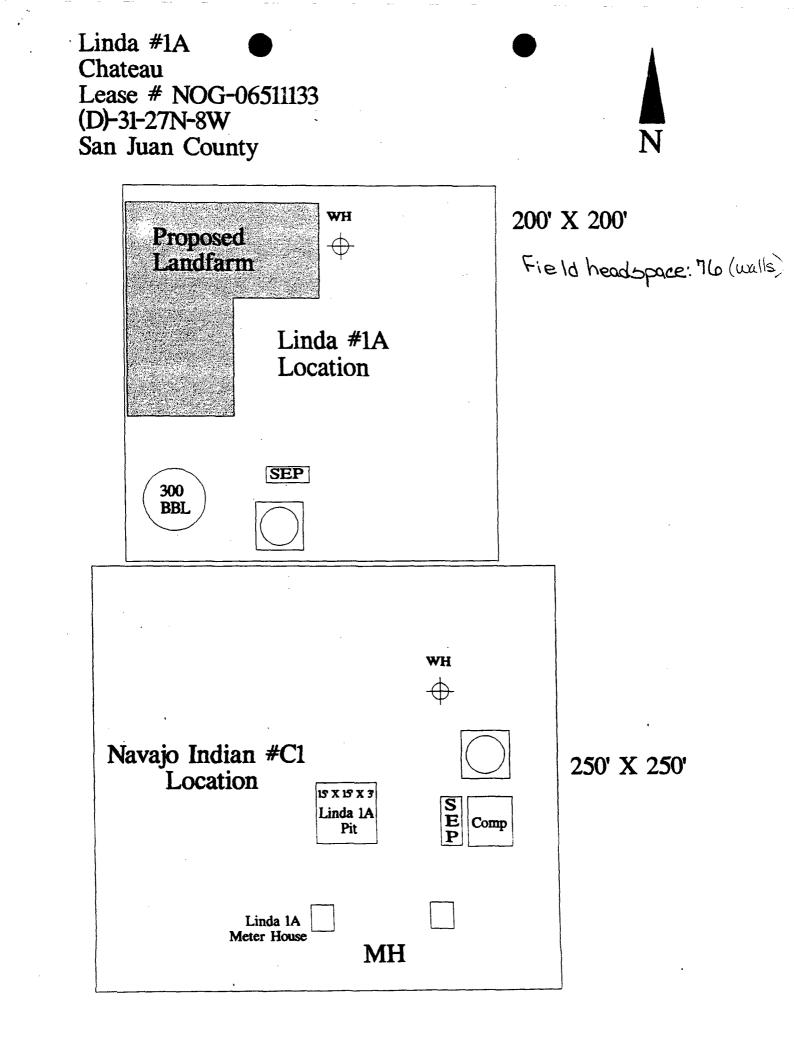
R - RPD outside accepted recovery limits

E - Value above quantitation range

B - Analyte detected in the associated Method Blank Surr: - Surrogate

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► [AB: (505)	ULE L. Mulphy Dr. 7 - 7-0- 200 200 - FAX: (5 LAB: (505) 325-5667 • FAX: (5	505) 325-6256		•	-				
Purchase Order No.: Job No.	All and a start		0.	Name		Maureen Gannon		Title	
Mame Denver Bearden	1. 20	and the second second	L S. 18	Company		PNM Gas Services	vices		
0 DIC	Dept. 324-37			Mailing Address	Vddress	Alverado Square, Mail Stop 0408	are, Mail S	top 0408	
S Z H Address 603 W. Elm Street	A CARA	and the second second second	183 38 88	City, State,	te, Zip	Albuquerque, NM 87158	NM 87158		
≤ City, State, Zip Farmington, NM 87401	And Andrew Parks	الموالية الموالية المحالية الموالية المحالية المحالية المحالية المحالية المحالية المحالية المحالية المحالية ال المحالية المحالية الم	E Contraction	Telephone No.	le No.	505-848-2974	Te	Telefax No.	
Sampling Location:			s. J			AVALYS ANALYS	ANALYSIS REQUESTED	TED	
			ner 197						
Sampler Mork Sikelianos			Vumbe ibino(A Start				
SAMPLE IDENTIFICATION	SAMPLE >	MATRIX	PRES	EX -	(S. 3)				
MW-1 9909281025	+	P3.5:	IIC J	×	 				Jac. Oak
10	C. B. A. B. C.		S.	X	×				
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Method of Shipment:		NET THE REAL	Rush		24-48 Hours		ting Days S	10 Working Days Special Instructions:	ctions:
Authorized by: Date	9/15/	17 No.						Result to bo	Results to be sent to both parties.
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OFF: (505) 325-5		SITE	LAB: (505) 325-1556
On Site Te	chnologies, LTD.	Date: 10-Jul-98	
CLIENT:	PNM - Public Service Company of NM		
Project:	Linda 1A	CASE NARF	RATIVE
Lab Order:	9806118		

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.

P.O. BOX 2606 • FARMINGTON, NM 87499

see mean tananzo or some Exercisiones



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Jul-98

Client: Work Order: Lab ID: Project:	PNM - Public Se 9806118 9806118-01A Linda 1A	ervice Company of Matrix: SOIL	NM	Cli	it Sample In ent Sample I collection Da COC Reco	D: 9806300 te: 6/30/98	930; Walls
Parameter		Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE	ORGANICS	S	W8015				Analyst: DC
T/R Hydrocarbon	s: C10-C28	ND	25		mg/Kg	1	7/7/98
BTEX		S	W8020A				Analyst: DC
Benzene		ND	1		µg/Kg	1	7/5/98
Toluene		ND	2		µg/Kg	1	7/5/98
Ethylbenzene		ND	1		µg/Kg	1	7/5/98
m,p-Xylene		3.1	2		µg/Kg	1	7/5/98
o-Xylene		1	1		µg/Kg	1	7/5/98
		a 21 a	M				

. 2032 ppm

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

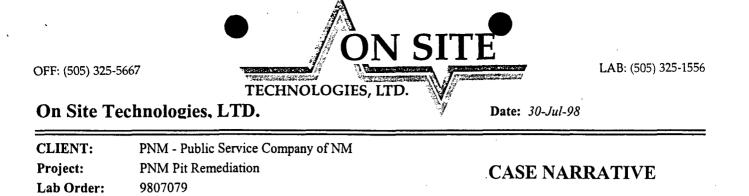
Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

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Linda # 1A Chatean D:1 Sec. 31, 27N, 8W, D 7/28/98 LAnd Farm : On loca 1.2 ĽŻ . 50 .50 \otimes ø. 800 ye-ds 2"-12" duth soil vapor head space = 3.1 ppm 980728 1530



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.

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Jul-98

Client: Work Order: Lab ID: Project:	/ork Order: 9807079 ab ID: 9807079-01A Matrix: SOIL			Client Sample Info: Linda #1A LF Client Sample ID: 9807281530; On Location Collection Date: 7/28/98 3:30:00 PM COC Record: 7329				
Parameter		Result	PQL	Qual	Units	DF	Date Analyzed	
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28		SW8015 ND 25		mg/Kg		1	Analyst: HR 7/29/98	

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

P.O. BOX 2606 • FARMINGTON, NM 87499

The provide a strategy of the transfer of the second s

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7-28-98 Linda # 1A _Chilean Oil Sec. 31, 27N, 8W, 0 Landfaum: Navajo C#1 Same legal Ø ł. 1.2 Ø 1.9 .50 237 ya-ds 2"-12" dz+4 soil vapor head purc = 6.1 9807281545



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Jul-98

Client: Work Order:	PNM - Public Se 9807079	ervice Company of NM	1	Client Sample In Client Sample I		IA LF 1545; Navajo C#1	
Lab ID:	9807079-02A	Matrix: SOIL		Collection Da	te: 7/28/98	3:45:00 PM	
Project:	PNM Pit Remediation			COC Record: 7329			
Parameter		Result	PQL	Qual Units	DF	Date Analyzed	
DIESEL RANGE ORGANICS		SW8	015			Analyst: HR	
T/R Hydrocarbon	s: C10-C28	ND	25	mg/Kg	1	7/29/98	

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

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E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

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Olson, William

From:Olson, WilliamSent:Monday, March 06, 2000 8:13 AMTo:'Gannon, Maureen'Subject:RE: Request for Extension on Annual Groundwater Report

The below requested extension is approved.

From: Gannon, Maureen [SMTP:MGannon@pnm.com] Sent: Saturday, March 04, 2000 3:31 PM To: Olson, William Cc: Sikelianos, Mark; 'Ingrid Deklau'; Johnson, Ronald Subject: Request for Extension on Annual Groundwater Report

As a follow-up to our phone conversation on Thursday, March 2, 2000, PNM herein requests an extension of the date for submittal of our San Juan Basin Annual Groundwater Report. The report is normally due on April 1st of each year. However, since PNM's environmental obligations associated with the purchase and sale of our former gas assets in the San Juan Basin will terminate on June 30, 2000 (with the exception of retained liabilities), we would like to file our annual report by July 15, 2000 so that the data and information contained in the annual report is current through the June 30th date.

Please let me know if this extension is acceptable to you. You may email me or call me at (505) 241-2974. Thank you for your time and consideration of this matter.

Maureen Gannon Environmental Services 241-2974