

3R - 319

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

2000-1999

**Olson, William**

**From:** m. harvey [SMTP:markh@ditell.com]  
**Sent:** Tuesday, September 05, 2000 1:46 PM  
**To:** Olson, William  
**Subject:** Annual Groundwater Report (PNM)

As a follow-up to our telephone conversation last week, this serves to acknowledge the extension of time that NMOCD has granted Williams in order to submit the annual groundwater report for former PNM sites.

It is agreed that the report will be submitted by September 15, 2000 and include data from PNM efforts during 1999 and 2000. Williams appreciates the time extension and NMOCD's understanding of the complications associated with inheriting a project of this magnitude.

After submitting the report and allowing review time, Williams intends to schedule a meeting with you to discuss its' plan to effect mitigation of groundwater impacts. Your feedback will be helpful in finalizing a program strategy.

Thank you for your consideration.

**From:** Deklau, Ingrid [SMTP:Ingrid.Deklau@Williams.com]  
**Sent:** Friday, July 07, 2000 1:35 PM  
**To:** Olson, William  
**Cc:** 'mark'; 'mgannon@pnm.com'  
**Subject:** Groundwater Report Extension

Per our discussion today, this note is to confirm extension of the Annual Groundwater Report submittal from July 15, 2000 to August 31, 2000.

On March 4, 2000, Maureen Gannon of PNM emailed you and requested the April 1, 2000 deadline for the report submittal be postponed to July 15, 2000 so that PNM could incorporate all information gathered through June 30, 2000 into the report. Since then, PNM and Williams have entered into a Settlement Agreement transferring certain responsibilities to Williams. The responsibility of the preparation of this report is currently under discussion between PNM and Williams. Regardless of the responsibility, it is clear to me that this report will not be ready by the July 15, 2000 deadline.

Thank you for your assistance in this matter.

Ingrid Deklau

307-872-2880

**Olson, William**

**From:** Olson, William  
**Sent:** Monday, March 06, 2000 8:13 AM  
**To:** 'Gannon, Maureen'  
**Subject:** RE: Request for Extension on Annual Groundwater Report

The below requested extension is approved.

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**From:** Gannon, Maureen [[SMTP:MGannon@pnm.com](mailto: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



Grenier 4A Dehydrator

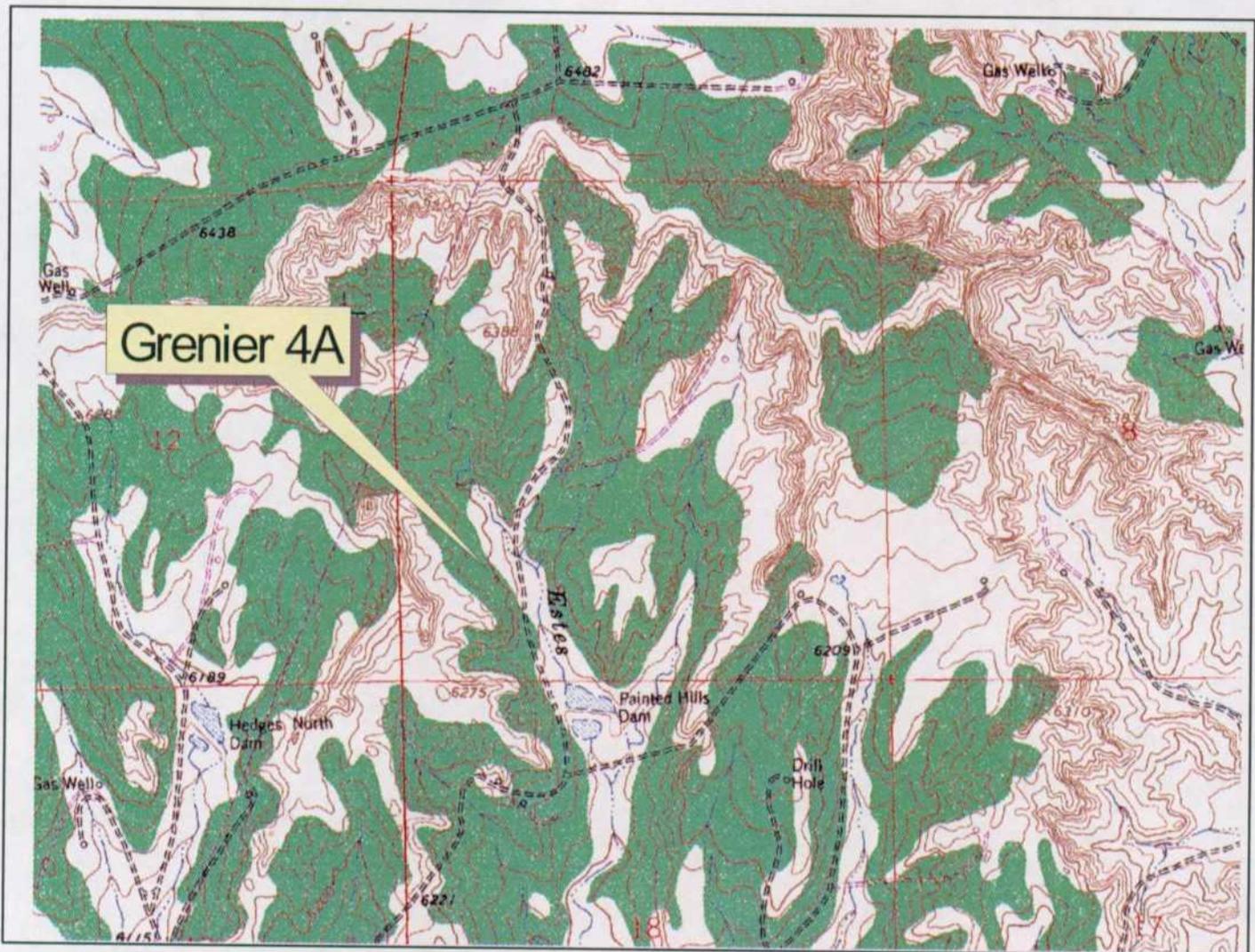
October 26, 1999

Page 2

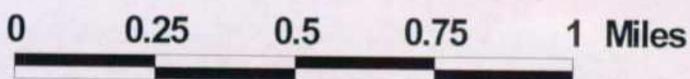
cc: Colin Adams, PNM  
Ingrid Deklau, WFS  
Denny Foust, OCD-Aztec Office  
Ed Hasely, Burlington Resources  
Kathy Juckes, PNM Farmington File  
Mark Sikelianos, PNM  
Bill von Drehle, WFS



**Figure 1. Grenier 4A  
Sec. 7 Twn. 31N Rng. 11W Unit M**



ADOBE DOWNS RANCH, N MEX-COLO



OFF: (505) 325-5667



45'

Burlington  
57 T314 RHW Unit M

B 4000 ppb

BTEX 11,280 ppb

LAB: (505) 325-1556

October 13, 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

RECEIVED  
OCT 18 1999

RE: Grenier #4A Dehy

Order No.: 9909083

Dear Maureen Gannon,

On Site Technologies, LTD. received 1 sample on 09/29/1999 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,

A handwritten signature in black ink, appearing to read "David Cox", written in a cursive style.

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

Date: 13-Oct-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Grenier #4A Dehy  
**Lab Order:** 9909083

**CASE NARRATIVE**

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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.

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Date: 13-Oct-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier #4A Dehy
<b>Work Order:</b>	9909083	<b>Client Sample ID:</b>	9909290830
<b>Lab ID:</b>	9909083-01A	<b>Matrix:</b>	AQUEOUS
<b>Project:</b>	Grenier #4A Dehy	<b>Collection Date:</b>	09/29/1999 8:30:00 AM
		<b>COC Record:</b>	7764

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				<b>Analyst: DM</b>
Benzene	4000	25		µg/L	50	09/30/1999
Toluene	5500	25		µg/L	50	09/30/1999
Ethylbenzene	180	25		µg/L	50	09/30/1999
m,p-Xylene	1300	50		µg/L	50	09/30/1999
o-Xylene	300	25		µg/L	50	09/30/1999
	<i>11,280 ppb</i>					

<b>Qualifiers:</b>	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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

CLIENT: PNM - Public Service Company of NM  
 Work Order: 9909083  
 Project: Grenier #4A Dehy  
 Test No: SW8021B

**QC SUMMARY REPORT  
 SURROGATE RECOVERIES**

**Aromatic Volatiles by GC/PID**

Sample ID	14FBZ	4BCBZ	FLBZ				
9909066-06A	93.5	94	92.9				
9909079-03A	91.5	96	89.7				
9909079-03AMS	91.7	95.6	89.1				
9909079-03AMSD	91.6	95.8	89.1				
9909079-04A	83.4	90	82				
9909079-05A	94	93.5	92				
9909079-06A	93.4	98.1	91.2				
9909080-01A	94.9	94.1	93.8				
9909080-02A	92.1	93.1	90.8				
9909080-03A	95	93.8	93.6				
9909080-04A	95.2	94.4	93.2				
9909080-05A	92.3	92.9	90.7				
9909081-01A	95	96.2	93.4				
9909081-02A	95	96.3	93.7				
9909081-03A	94.8	96	93.5				
9909081-04A	95.1	96.2	93.3				
9909083-01A	91.9	94.6	90.2				
9909085-01A	95	92.7	93.4				
CCV1 BTEX_99061	94.3	96.3	92.3				
CCV2 BTEX_99061	94.5	94.3	92.6				
CCV3 BTEX_99061	94.6	93.1	92.6				
CCV4 BTEX_99061	93.8	95.4	91.6				
LCS WATER	93.8	96.7	91.4				
MB1	94.8	96.1	93.5				

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-120
4BCBZ	= 4-Bromochlorobenzene	80-120
FLBZ	= Fluorobenzene	80-120

\* Surrogate recovery outside acceptance limits

On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT: PNM - Public Service Company of NM  
Work Order: 9909083  
Project: Grenier #4A Dehy

**QC SUMMARY REPORT**  
Method Blank

Sample ID: MB1	Batch ID: GC-1_990930	Test Code: SW8021B	Units: µg/L	Analysis Date 09/30/1999	Prep Date:						
Client ID:	9909083	Run ID: GC-1_990930A	SeqNo: 20177								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	.104	0.5									J
Ethylbenzene	.0624	0.5									J
m,p-Xylene	.2465	1									J
Methyl tert-Butyl Ether	ND	1									
o-Xylene	.0665	0.5									J
Toluene	.1541	0.5									J

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT: PNM - Public Service Company of NM  
 Work Order: 9909083  
 Project: Grenier #4A Dehy

QC SUMMARY REPORT  
 Sample Matrix Spike

Sample ID: 9909079-03AMS	Batch ID: GC-1_990930	Test Code: SW8021B	Units: µg/L	Analysis Date 09/30/1999	Prep Date:						
Client ID: 9909083	Run ID: GC-1_990930A	SeqNo: 20178									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8054	25	2000	5846	110.4%	80	116				
Ethylbenzene	2270	25	2000	263	100.4%	80	118				
m,p-Xylene	6856	50	4000	3025	95.8%	77	116				
Methyl tert-Butyl Ether	2054	50	2000	20.26	101.7%	62	122				
o-Xylene	2584	25	2000	563.1	101.0%	83	117				
Toluene	4966	25	2000	2838	106.4%	80	116				

Sample ID: 9909079-03AMSD	Batch ID: GC-1_990930	Test Code: SW8021B	Units: µg/L	Analysis Date 09/30/1999	Prep Date:						
Client ID: 9909083	Run ID: GC-1_990930A	SeqNo: 20179									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	7816	25	2000	5846	98.5%	80	116	8054	3.0%	7	
Ethylbenzene	2210	25	2000	263	97.3%	80	118	2270	2.7%	7	
m,p-Xylene	6674	50	4000	3025	91.2%	77	116	6856	2.7%	7	
Methyl tert-Butyl Ether	2027	50	2000	20.26	100.3%	62	122	2054	1.4%	7	
o-Xylene	2524	25	2000	563.1	98.0%	83	117	2584	2.3%	6	
Toluene	4826	25	2000	2838	99.4%	80	116	4966	2.9%	6	

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT: PNM - Public Service Company of NM  
Work Order: 9909083  
Project: Grenier #4A Dehy

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

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Sample ID: <b>LCS WATER</b>	Batch ID: <b>GC-1_990930</b>	Test Code: <b>SW8021B</b>	Units: <b>µg/L</b>	Analysis Date: <b>09/30/1999</b>	Prep Date:						
Client ID:	<b>9909083</b>	Run ID: <b>GC-1_990930A</b>	SeqNo: <b>20176</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.55	0.5	40	0.104	96.1%	87	119				
Ethylbenzene	39.79	0.5	40	0.0624	99.3%	89	117				
m,p-Xylene	74.62	1	80	0.2465	93.0%	88	114				
Methyl tert-Butyl Ether	38.82	1	40	0	97.0%	69	129				
o-Xylene	39.72	0.5	40	0.0665	99.1%	90	116				
Toluene	39.27	0.5	40	0.1541	97.8%	90	115				

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 13-Oct-99

CLIENT: PNM - Public Service Company of NM  
 Work Order: 9909083  
 Project: Grenier #4A Dehy

**QC SUMMARY REPORT**  
 Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9906		Batch ID: GC-1_990930		Test Code: SW8021B		Units: µg/L		Analysis Date 09/30/1999		Prep Date:	
Client ID: 9909083		Run ID: GC-1_990930A		SeqNo: 20172							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.67	0.5	20	0	103.3%	85	115				
Ethylbenzene	21.5	0.5	20	0	107.5%	85	115				
m,p-Xylene	40.45	1	40	0	101.1%	85	115				
Methyl tert-Butyl Ether	20.54	1	20	0	102.7%	85	115				
o-Xylene	21.24	0.5	20	0	106.2%	85	115				
Toluene	21	0.5	20	0	105.0%	85	115				
1,4-Difluorobenzene	94.3	0	100	0	94.3%	80	120				
4-Bromochlorobenzene	96.29	0	100	0	96.3%	80	120				
Fluorobenzene	92.3	0	100	0	92.3%	80	120				

Sample ID: CCV2 BTEX_9906		Batch ID: GC-1_990930		Test Code: SW8021B		Units: µg/L		Analysis Date 09/30/1999		Prep Date:	
Client ID: 9909083		Run ID: GC-1_990930A		SeqNo: 20173							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.69	0.5	20	0	98.5%	85	115				
Ethylbenzene	20.55	0.5	20	0	102.8%	85	115				
m,p-Xylene	38.67	1	40	0	96.7%	85	115				
Methyl tert-Butyl Ether	20.83	1	20	0	104.2%	85	115				
o-Xylene	20.43	0.5	20	0	102.1%	85	115				
Toluene	20.16	0.5	20	0	100.8%	85	115				
1,4-Difluorobenzene	94.53	0	100	0	94.5%	80	120				
4-Bromochlorobenzene	94.28	0	100	0	94.3%	80	120				
Fluorobenzene	92.64	0	100	0	92.6%	80	120				

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** PNM - Public Service Company of NM  
**Work Order:** 9909083  
**Project:** Grenier #4A Dehy

**QC SUMMARY REPORT**  
 Continuing Calibration Verification Standard

Sample ID: <b>CCV3 BTEX_9906</b>		Batch ID: <b>GC-1_990930</b>		Test Code: <b>SW8021B</b>		Units: <b>µg/L</b>		Analysis Date: <b>09/30/1999</b>		Prep Date:	
Client ID: <b>9909083</b>		Run ID: <b>GC-1_990930A</b>		SeqNo: <b>20174</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.63	0.5	20	0	103.1%	85	115				
Ethylbenzene	21.33	0.5	20	0	106.7%	85	115				
m,p-Xylene	40.27	1	40	0	100.7%	85	115				
Methyl tert-Butyl Ether	21.01	1	20	0	105.0%	85	115				
o-Xylene	21.28	0.5	20	0	106.4%	85	115				
Toluene	21.52	0.5	20	0	107.6%	85	115				
1,4-Difluorobenzene	94.62	0	100	0	94.6%	80	120				
4-Bromochlorobenzene	93.12	0	100	0	93.1%	80	120				
Fluorobenzene	92.57	0	100	0	92.6%	80	120				

Sample ID: <b>CCV4 BTEX_9906</b>		Batch ID: <b>GC-1_990930</b>		Test Code: <b>SW8021B</b>		Units: <b>µg/L</b>		Analysis Date: <b>09/30/1999</b>		Prep Date:	
Client ID: <b>9909083</b>		Run ID: <b>GC-1_990930A</b>		SeqNo: <b>20175</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.42	0.5	40	0	96.1%	85	115				
Ethylbenzene	40.07	0.5	40	0	100.2%	85	115				
m,p-Xylene	75.01	1	80	0	93.8%	85	115				
Methyl tert-Butyl Ether	39.1	1	40	0	97.8%	85	115				
o-Xylene	39.74	0.5	40	0	99.4%	85	115				
Toluene	39.56	0.5	40	0	98.9%	85	115				
1,4-Difluorobenzene	93.81	0	100	0	93.8%	80	120				
4-Bromochlorobenzene	95.44	0	100	0	95.4%	80	120				
Fluorobenzene	91.62	0	100	0	91.6%	80	120				

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



# CHAIN OF CUSTODY RECORD

7764

Date: 9/29/99

Page: 1 of 1

612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499  
 LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase Order No.:		Job No.:		REPORT RESULTS TO	Name	Maureen Gannon	Title					
SEND INVOICE TO	Name		Denver Bearden		Company	PNM Gas Services						
	Company		PNM Gas Services		Dept.	324-3763						
	Address		603 W. Elm Street									
	City, State, Zip		Farmington, NM 87401									
Mailing Address				Alverado Square, Mail Stop 0408								
City, State, Zip				Albuquerque, NM 87158								
Telephone No.				505-848-2974		Telefax No.						
Sampling Location:				Number of Containers	ANALYSIS REQUESTED							
Sampler:					/ /							
SAMPLE IDENTIFICATION					LAB ID							
		SAMPLE							DATE		TIME	
		MATRIX							PRES.			
9909290830		9/29/99							0830		H2O	
Relinquished by:		Date/Time		Received by:		Date/Time						
Relinquished by:		Date/Time		Received by:		Date/Time						
Relinquished by:		Date/Time		Received by:		Date/Time						
Method of Shipment:				Rush	24-48 Hours	10 Working Days	Special Instructions:					
Authorized by: <u>Mary Cook</u> Date <u>9/29/99</u>					X		Results to be sent to both parties.					
(Client Signature Must Accompany Request)												

**Olson, William**

**From:** MGannon@pnm.com [SMTP:MGannon@pnm.com]  
**Sent:** Monday, October 18, 1999 5:15 PM  
**To:** Olson, William  
**Cc:** Foust, Denny; MSikeli@pnm.com; Bill Von Drehle; Ingrid Deklau  
**Subject:** Contaminated Groundwater Site Notification: Grenier #4A Dehy

Please be advised that PNM has discovered a new contaminated groundwater site during vertical extent drilling.

Site name: GRENIER #4A DEHY  
Location: S7 T31N R11W Unit "M"  
Operator: Burlington  
Depth to GW: 45'  
Contaminant Concentration: 4.0 ppm benzene; 11.3 ppm BTEX

Groundwater beneath the pit was sampled on 9/29/99. PNM did not receive the final hardcopy of the results until today, Monday, 10/18/99. A written notification will be made to OCD within 15 days.

If you have any questions, please call me at (505) 241-2974.

Maureen Gannon  
Environmental Services  
241-2974

Maureen Gannon  
Environmental Services  
241-2974