



PUBLIC SERVICE COMPANY OF NEW MEXICO

Company  
 Alvarado Square  
 Department/Mailstop  
 MS 0408  
 Address  
 Albuquerque, NM 87158  
 City State Zip Code



ENTERED

DATE: 12/22/97

TO: Carl Will  
 FAX TELEPHONE NO. 827-1544

FROM: Ron Johnson  
 TELEPHONE NO. 241-2998 FAX TELEPHONE No. (505) 241-2340  
 NUMBER OF PAGES BEING TRANSMITTED INCLUDING COVER SHEET: 15  
 MESSAGE: METRIC bore hole sampling,  
Natural Pit Area - samples  
done after 1<sup>st</sup> 2 feet of excavation  
by Rindem.

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**METRIC**  
Corporation ENVIRONMENTAL ENGINEERING AND SCIENCE

8429 WASHINGTON PLACE NE, SUITE A  
ALBUQUERQUE, NEW MEXICO 87113  
Phone: (505) 828-2801  
Fax: (505) 828-2803

April 29, 1996

Mr. Ron Johnson  
Public Service Company of New Mexico  
Alvarado Square, MS 0408  
Albuquerque, NM 87158

Dear Ron:

This letter is a report on the results of soil sample analyses for the Person Station Natural Pond chromium investigation.

A total of 32 samples were collected on March 21, 1996 using a CME 55 hollow stem auger rig equipped with a continuous core sampling system. Drilling tools and sampling equipment were decontaminated between uses with high pressure steam. Drill cuttings were placed back in their respective borehole in the reverse order of removal to prevent the possibility of contamination being carried deeper into the soil by our drilling process. Borehole locations are shown in relation to your sampling grid on the attached FIGURE 1.

Samples were collected in 4 oz. soil jars placed on ice and transported to American Environmental Network (NM) Inc. in Albuquerque for analysis. Samples were analyzed for total chromium using EPA Method 8010.

The following TABLE 1 is a summary of the laboratory analysis results. A copy of the complete laboratory report including quality control and quality assurance information is also attached.

Please call if you have any questions on this matter.

Sincerely,



Don Briggs  
Civil Engineer

db/DB  
Attachments

**TABLE 1**  
**LABORATORY ANALYSIS RESULTS**  
**(MG/KG)**

<b>SAMPLE ID</b>	<b>RESULT</b>
B7-4.0	3
B7-5.0	3
B7-6.0	2
B7-7.0	4
B7-8.0	2
B7-9.0	2
B7-10.0	3
A1-7-4.0	3
A1-7-5.0	2
A1-7-6.0	2
A1-7-7.0	2
A1-7-8.0	3
B5-4.0	4
B5-5.0	3
B5-6.0	1
B5-7.0	2
B5-8.5	2
D7-4.0	2
D7-5.0	2
D7-6.0	3
D7-7.0	3
D7-8.0	3
G4-4.0	3
G4-5.0	3
G4-6.0	4
G4-7.0	3
G4-8.7	9
B9-4.0	2
B9-5.0	2
B9-6.0	2
B9-7.0	2
B9-8.0	3

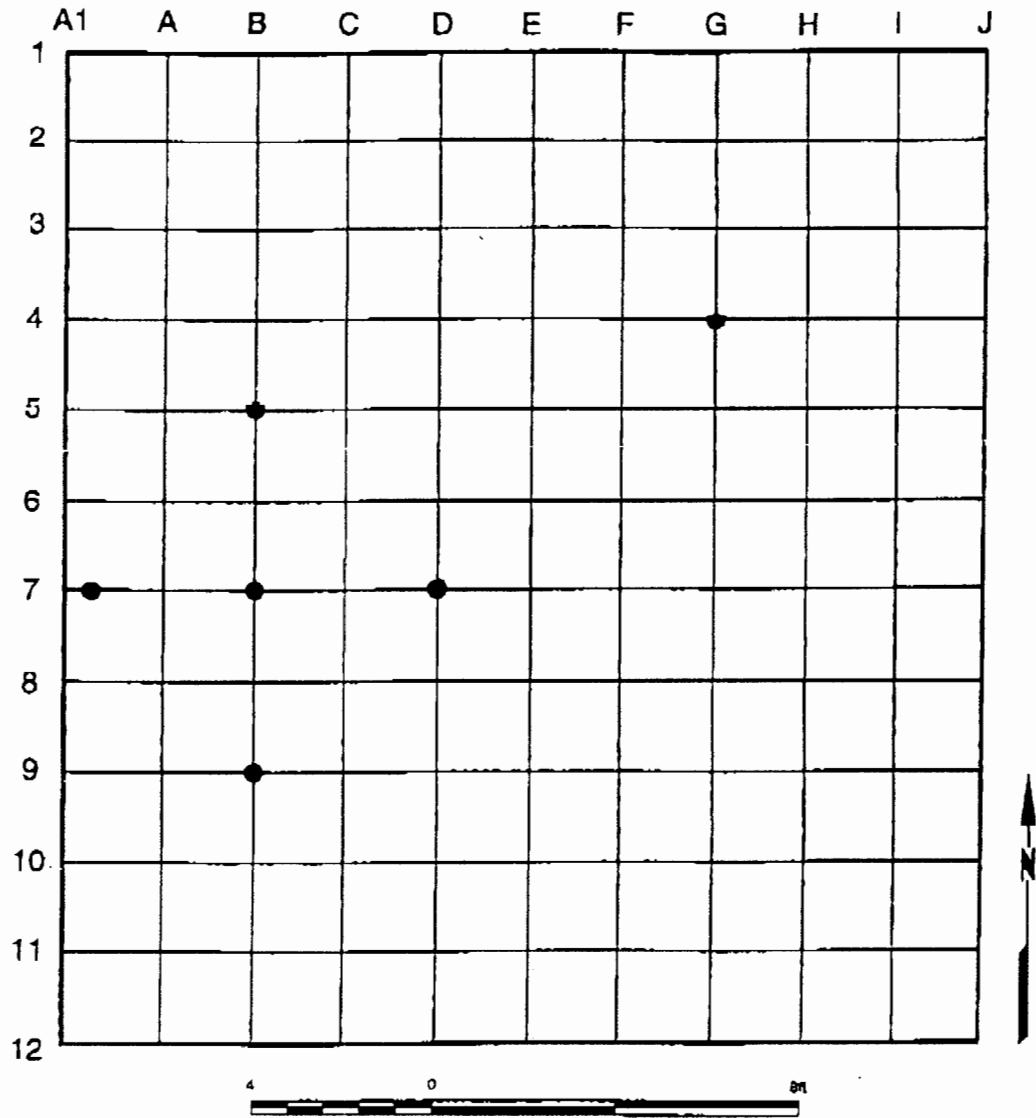


FIGURE 1  
BOREHOLE LOCATION MAP  
PERSON STATION - CHROMIUM INVESTIGATION

# American Environmental Network, Inc.

AEN I.D. 603355

April 5, 1996

Metric Corporation  
8429 Washington Place  
Albuquerque, NM 87113

Project Name/Number: PERSON STATION

Attention: Gary Richardson

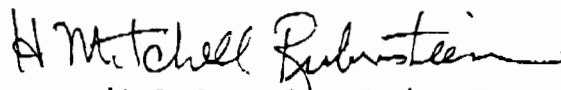
On 03/21/96, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) (formerly ATI-NM), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by American Environmental Network (OR) Inc., 17400 SW Upper Boones Ferry Road Suite 270, Durham, OR.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



Kimberly D. McNeill  
Project Manager



H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure

*American Environmental Network, Inc.*

CLIENT : METRIC CORP. DATE RECEIVED : 03/21/96  
 PROJECT # : (NONE)  
 PROJECT NAME : PERSON STATION REPORT DATE : 04/05/96

ATI ID: 603355

AEN PORTLAND ID #	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
603616-01	603355-01	B7-4.0	NON-AQ	03/21/96
603616-02	603355-02	B7-5.0	NON-AQ	03/21/96
603616-03	603355-03	B7-6.0	NON-AQ	03/21/96
603616-04	603355-04	B7-7.0	NON-AQ	03/21/96
603616-05	603355-05	B7-8.0	NON-AQ	03/21/96
603616-06	603355-06	B7-9.0	NON-AQ	03/21/96
603616-07	603355-07	B7-10.0	NON-AQ	03/21/96
603616-08	603355-08	A1-7-4.0	NON-AQ	03/21/96
603616-09	603355-09	A1-7-5.0	NON-AQ	03/21/96
603616-10	603355-10	A1-7-6.0	NON-AQ	03/21/96
603616-11	603355-11	A1-7-7.0	NON-AQ	03/21/96
603616-12	603355-12	A1-7-8.0	NON-AQ	03/21/96
603616-13	603355-13	B5-4.0	NON-AQ	03/21/96
603616-14	603355-14	B5-5.0	NON-AQ	03/21/96
603616-15	603355-15	B5-6.0	NON-AQ	03/21/96
603616-16	603355-16	B5-7.0	NON-AQ	03/21/96
603616-17	603355-17	B5-8.5	NON-AQ	03/21/96
603616-18	603355-18	D7-4.0	NON-AQ	03/21/96
603616-19	603355-19	D7-5.0	NON-AQ	03/21/96
603616-20	603355-20	D7-6.0	NON-AQ	03/21/96
603616-21	603355-21	D7-7.0	NON-AQ	03/21/96
603616-22	603355-22	D7-8.0	NON-AQ	03/21/96
603616-23	603355-23	G4-4.0	NON-AQ	03/21/96
603616-24	603355-24	G4-5.0	NON-AQ	03/21/96
603616-25	603355-25	G4-6.0	NON-AQ	03/21/96
603616-26	603355-26	G4-7.0	NON-AQ	03/21/96
603616-27	603355-27	G4-8.7	NON-AQ	03/21/96
603616-28	603355-28	B9-4.0	NON-AQ	03/21/96
603616-29	603355-29	B9-5.0	NON-AQ	03/21/96
603616-30	603355-30	B9-6.0	NON-AQ	03/21/96
603616-31	603355-31	B9-7.0	NON-AQ	03/21/96
603616-32	603355-32	B9-8.0	NON-AQ	03/21/96

---TOTALS---

MATRIX                      #SAMPLES  
 NON-AQ                              32

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

*American Environmental Network, Inc.***ANALYTICAL SCHEDULE**

CLIENT: AEN-Albuquerque AEN I.D.: 603616  
PROJECT #:   
PROJECT NAME: Person Station

ANALYSIS	TECHNIQUE	REFERENCE	LAB
Chromium	ICAP	EPA 6010	PLD

*American Environmental Network, Inc.*

## METALS RESULTS

METHOD:	6010 -Chromium	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	DATE SAMPLED:	03/21/96
PROJECT #:	603355	DATE RECEIVED:	03/22/96
PROJECT NAME:	Person Station	DATE DIGESTED:	03/26/96
SAMPLE MATRIX:	SOIL	DATE ANALYZED:	03/27/96
		UNITS:	mg/kg

AEN I.D.	CLIENT I.D.	MRL	RESULT
603616-0A	Method Blank	1	< 1
603616-1	B7-4.0	1	3
603616-2	B7-5.0	1	3
603616-3	B7-6.0	1	2
603616-4	B7-7.0	1	4
603616-5	B7-8.0	1	2
603616-6	B7-9.0	1	2
603616-7	B7-10.0	1	3
603616-8	A1-7-4.0	1	3
603616-9	A1-7-5.0	1	2
603616-10	A1-7-6.0	1	2
603616-11	A1-7-7.0	1	2
603616-12	A1-7-8.0	1	3
603616-13	B5-4.0	1	4
603616-14	B5-5.0	1	3
603616-15	B5-6.0	1	1
603616-16	B5-7.0	1	2
603616-17	B5-8.5	1	2
603616-18	D7-4.0	1	2
603616-19	D7-5.0	1	2
603616-20	D7-6.0	1	3

MRL - Method reporting limit.



*American Environmental Network, Inc.***METALS RESULTS**

<b>METHOD:</b>	6010 -Chromium	<b>AEN I.D.:</b>	603616
<b>CLIENT:</b>	AEN-Albuquerque	<b>DATE SAMPLED:</b>	03/21/96
<b>PROJECT #:</b>	603355	<b>DATE RECEIVED:</b>	03/22/96
<b>PROJECT NAME:</b>	Person Station	<b>DATE DIGESTED:</b>	03/26/96
<b>SAMPLE MATRIX:</b>	SOIL	<b>DATE ANALYZED:</b>	03/27/96
		<b>UNITS:</b>	mg/kg

AEN I.D.	CLIENT I.D.	MRL	RESULT
603616-0B	Method Blank	1	< 1
603616-21	D7-7.0	1	3
603616-22	D7-8.0	1	3
603616-23	G4-4.0	1	3
603616-24	G4-5.0	1	3
603616-25	G4-6.0	1	4
603616-26	G4-7.0	1	3
603616-27	G4-8.7	1	9
603616-28	B9-4.0	1	2
603616-29	B9-5.0	1	2
603616-30	B9-6.0	1	2
603616-31	B9-7.0	1	2
603616-32	B9-8.0	1	3

MRL - Method reporting limit.

*American Environmental Network, Inc.*

**METALS DUPLICATE RESULTS**

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	603616-4
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
CHROMIUM	4	3	29 *	20

\*RPD not applicable for results less than five times the reporting limit.

*American Environmental Network, Inc.*

**METALS DUPLICATE RESULTS**

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	603616-21
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
CHROMIUM	3	3	0	20

*American Environmental Network, Inc.*

## METALS SPIKE RESULTS

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	603616-4
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
CHROMIUM	4	100	98	94	75-125%

*American Environmental Network, Inc.*

**METALS SPIKE RESULTS**

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	603616-21
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
CHROMIUM	3	100	104	101	75-125%

*American Environmental Network, Inc.*

## METALS BLANK SPIKE RESULTS

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	RESULT	TRUE VALUE	% RECOV	LIMITS mg/Kg
CHROMIUM	109	114	96	61.6-161

*American Environmental Network, Inc.*

**METALS BLANK SPIKE RESULTS**

METHOD:	6010	AEN I.D.:	603616
CLIENT:	AEN-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	603355	DATE DIGESTED:	03/26/96
PROJECT NAME:	Person Station	DATE ANALYZED:	03/27/96
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/kg

PARAMETER	RESULT	TRUE VALUE	% RECOV	LIMITS mg/Kg
CHROMIUM	117	114	103	61.6-161