



Rio Algom Mining LLC

December 20, 2002

Mr. Kevin Myers
Groundwater Section
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

Re: **Discharge Plan - 362**
Old Stope Leaching
2nd Half 2002

Dear Mr. Myers,

Attached is the groundwater monitoring report for the 3rd and 4th quarter of 2002 as required by discharge Plan - 362. This report presents the mine extraction and injection rates as well as analytical results.

If you have any questions or need additional information, please call me at 287-8851.

Regards,

Peter Luthiger
Supervisor, Radiation Safety
and Environmental Affairs

Attachments: As stated

xc: T. Fletcher
P. Goranson
NRC-MD (License SUA-1473, Docket 40-8905)
file

QUIVIRA MINING COMPANY
Discharge Plan DP-362
Monitoring Report - 3rd Quarter 2002

Mine	Mine Water Extraction (gpm)			Mine Water Injection (gpm)		
	Jul-02	Aug-02	Sep-02	Jul-02	Aug-02	Sep-02
Section 17	0	0	0	0	0	0
Section 19	0	0	0	0	0	0
Section 22	0	0	0	0	0	0
Section 24	0	0	0	0	0	0
Section 30/30W	604	368	369	0	0	0
Section 33	0	0	0	0	0	0
Section 35	0	0	0	0	0	0
Totals	604	368	369	0	0	0

QUIVIRA MINING COMPANY
Discharge Plan DP-362
Monitoring Report - 3rd Quarter 2002

Parameter	Sampling Location							Reservoir
	Sec. 17	Sec. 19	Sec. 22	Sec. 24	Sec. 30/30W	Sec. 33	Sec. 35	
Date					9/16/2002			9/16/2002
pH					7.18			7.35
Ca					299			299
K					13.7			15.3
Mg					134			139
Na					313			332
SO4					1770			1620
Cl					250			420
CO3					< 2			< 2
HCO3					245			201
TDS					3110			3170
Pb					< 0.01			< 0.002
Se					0.058			0.018
Ag					< 0.01			< 0.01
Fe					0.08			0.03
Mo					0.59			0.256
U					4.92			0.839
Ra-226					26.6			1.76
Ra-228					1.07			0.0

Notes: All values in milligrams per liter except Ra-226 and Ra-228 which is in picocuries per liter and pH which is in standard units.
Section 30/30West was only location with activity during 3rd quarter 2002.

QUIVIRA MINING COMPANY
Discharge Plan DP-362
Monitoring Report - 4th Quarter 2002

Mine	Mine Water Extraction (gpm)			Mine Water Injection (gpm)		
	Oct-02	Nov-02	Dec-02	Oct-02	Nov-02	Dec-02
Section 17	0	0	0	0	0	0
Section 19	0	0	0	0	0	0
Section 22	0	0	0	0	0	0
Section 24	0	0	0	0	0	0
Section 30/30W	366	362	358	0	0	0
Section 33	0	0	0	0	0	0
Section 35	0	0	0	0	0	0
Totals	366	362	358	0	0	0

QUIVIRA MINING COMPANY
Discharge Plan DP-362
Monitoring Report - 4th Quarter 2002

Parameter	Sampling Location							
	Sec. 17	Sec. 19	Sec. 22	Sec. 24	Sec. 30/30W	Sec. 33	Sec. 35	Reservoir
Date					10/22/2002			10/22/2002
pH					7.64			7.98
Ca					473			411
K					19.4			21
Mg					193			189
Na					448			452
SO4					1840			1710
Cl					215			260
CO3					< 2			< 2
HCO3					323			203
TDS					3210			3140
Pb					< 0.01			< 0.002
Se					0.047			0.032
Ag					< 0.01			< 0.01
Fe					0.17			< 0.02
Mo					0.42			0.238
U					5.15			0.94
Ra-226					78.7			1.89
Ra-228					1.14			0.0

Notes: All values in milligrams per liter except Ra-226 and Ra-228 which is in picocuries per liter and pH which is in standard units.
Section 30/30West was only location with activity during 4th quarter 2002.