

Quivira Mining Company
P.O. Box 218, Grants, NM USA 87020 (505)287-8851

February 1, 2002

40-8905

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

Re: **Discharge Plan - 362**
Old Stope Leaching
4th Quarter 2001

Dear Mr. Myers,

Attached is the groundwater monitoring report for the 4th quarter of 2001 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,

QUIVIRA MINING COMPANY


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

NMSS01 Public -

QUIVIRA MINING COMPANY
Discharge Plan DP-362
Monitoring Report - 4th Quarter 2001

Mine	Mine Water Extraction (gpm)			Mine Water Injection (gpm)		
	Oct-01	Nov-01	Dec-01	Oct-01	Nov-01	Dec-01
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	682	595	716	0	0	0
Section 33	0	0	0	0	0	0
Section 35	0	0	0	0	0	0
Totals	682	595	716	0	0	0

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Parameter	Sampling Location							
	Sec. 17	Sec. 19	Sec. 22	Sec. 24	Sec. 30/30W	Sec. 33	Sec. 35	Reservoir
Date					11/5/2001			11/5/2001
pH					7.17			7.86
Ca					354			395
K					15.6			16.5
Mg					145			160
Na					335			364
SO4					1350			1390
Cl					253			430
CO3					< 2			< 2
HCO3					254			212
TDS					3080			3170
Pb					< 0.02			< 0.002
Se					0.049			0.051
Ag					< 0.01			< 0.01
Fe					0.13			0.03
Mo					0.42			0.248
U					7.93			1.02
Ra-226					137			2.99
Ra-228					2.54			0.58

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 2001