

40-8905

**QUIVIRA MINING COMPANY**

POST OFFICE BOX 218 • GRANTS, NEW MEXICO 87020

June 11, 1997

Certified Mail  
Return Receipt Requested (P 268 360 554)

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

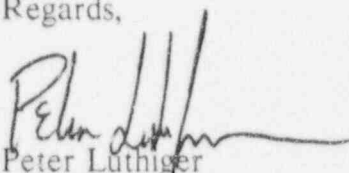
Re: Discharge Plan - 71  
Section 4 Evaporation Ponds  
2nd Quarter 1997

Dear Mr. Ohrbom,

Quivira Mining Company submits the following monitoring and analytical information in accordance with Discharge Plan - 71.

If you have any questions or need additional information, please call me at 287-8851, extension 205.

Regards,



Peter Luthiger  
Supervisor, Radiation Safety  
and Environmental Affairs

1/1  
NOS

Attachments: As stated

xc: T. Fletcher  
M. Freeman  
J. Holonich (NRC)  
NRC - Arlington  
file

9706250361 970611  
PDR ADOCK 04008905  
C PDR



250070

Recap: NMSS/HLR

Hydrological Monitoring Report Form  
 Ambrosia Lake, New Mexico  
 Section 4 Monitor Wells (DP-71)  
 Page 1

Monitoring Well	Date	Depth To Water (feet)	Total Depth (feet)	Specific Conduct.	Temp. (C)	pH	Var. H2O	Cl mg/l	NO3(N) mg/l	SO4 mg/l	TDS mg/l
MW-1	15-Apr-97		39.14				Dry				
MW-2	15-Apr-97		38.70				Dry				
MW-3	15-Apr-97		37.92				Dry				
MW-4	15-Apr-97		35.28				Dry				
MW-5	15-Apr-97		37.76				Dry				
MW-6	15-Apr-97		38.58				Dry				
MW-7	15-Apr-97		38.05				Dry				
MW-8	15-Apr-97		39.70				Dry				
MW-9	15-Apr-97		38.75				Dry				
MW-10	15-Apr-97		39.17				Dry				
MW-11	15-Apr-97		36.08				Dry				
MW-12	15-Apr-97		18.25				Dry				
MW-13	15-Apr-97	29.41	29.45				Insuff H2O				
MW-14	15-Apr-97		47.52				Dry				
MW-15	15-Apr-97		39.72				Dry				
MW-16	15-Apr-97		38.35				Dry				
MW-17	15-Apr-97		43.50				Dry				
MW-18	14-Apr-97		55.00				Dry				
MW-19	14-Apr-97	47.00	48.88	2280	14.5	7.3	-0.52	36.0	1.2	2010	3500
MW-20	15-Apr-97		51.17				Dry				
MW-21	15-Apr-97		52.14				Dry				
MW-22	14-Apr-97	28.50	37.08	3800	13.0	8.0	-0.13	62.0	30.0	3310	5090
MW-23	14-Apr-97	41.61	41.88				Insuff H2O				
MW-24	14-Apr-97	49.33	50.21				Insuff H2O				
MW-25	14-Apr-97		29.78				Dry				
MW-26	14-Apr-97	35.17	35.44				Insuff H2O				
MW-27	14-Apr-97	24.45	28.06	3200	14.0	7.8	0.28	208.0	0.5	2460	4060
MW-28	14-Apr-97		32.65				Dry				
MW-29	14-Apr-97	27.32	29.31	2800	14.0	8.0	0.03	232.0	12.0	2050	3400
MW-30	14-Apr-97	39.04	42.51	2825	14.0	7.8	0.35	94.0	0.5	2170	3550
MW-31	14-Apr-97	49.21	51.00	2925	14.0	8.0	0.76	81.0	6.2	2380	3690

Note --> A negative variance indicates a decrease in the depth to water level from the previous reading.  
 A positive variance indicates an increase in the depth to water level from the previous reading.