

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

October 5, 1999

Certified Mail
Return Receipt Requested (P 268 361 039)

Ms. Katherine Yuhas
Ground Water Quality Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

Re: **Discharge Plan, DP-169**

Docket No. - 40-8905

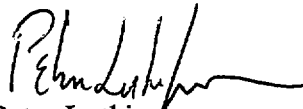
Dear Katherine,

Please find enclosed the semi-annual monitoring report for the alluvial monitoring system covering the first half of 1999 as required by Discharge Plan, DP-169.

If you have any questions, please call me at (505) 287-8851, extension 205.

Regards,

QUIVIRA MINING COMPANY



Peter Luthiger
Supervisor, Radiation Safety
and Environmental Affairs

xc: T. Fletcher
P. Goranson
NRC - D.C.
NRC - TX
file

NL05

PPR ADDU 04008905

DISCHARGE PLAN DP-169
SEMIANNUAL ANALYTICAL RESULTS

Well	Sample Date	Depth to Water	Total Depth	Spec. Cond.	Temp.	pH	Cl	SO4	NO3
31-61	08-Feb-99	17.49	27.1	5800	12.5	6.8	590	3830	24.3
32-59	08-Feb-99	8.88	39.23	3280	11.3	6.9	414	1610	0.51
5-03	08-Feb-99	12.38	45.55	3100	12.8	7.8	432	1790	0.17
# MW-24	08-Feb-99	49.4	50.26						
* 30-46	09-Feb-99		38.38						
* 30-53	09-Feb-99		50.38						
* 5-02	05-Apr-99	13.75	15.02						
32-01	06-Apr-99	15.44	52.68	5000	11.1	9.2	800	2560	0.14
32-02	06-Apr-99	23.7	76.22	5800	11.1	9.1	930	3630	-0.02
32-41	06-Apr-99	21.25	58.7	3475	11.8	8.7	520	2310	0.04
32-42	06-Apr-99	21.03	29.21	2925	11.9	8.3	380	600	0.1
32-43	06-Apr-99	15.63	55.08	4450	9.4	8	650	2670	102
32-50	06-Apr-99	33.22	91.59	3125	11.7	9.6	320	2060	0.04
32-51	06-Apr-99	23.84	76.33	3700	11.3	7.9	200	3010	3.77
32-52	06-Apr-99	24.05	66.78	2200	11.8	9.5	165	2050	0.04
32-58	06-Apr-99	7.27	34.45	3425	10.3	7.3	430	2120	0.04
32-69	06-Apr-99	16.03	24.86	4525	9.8	6.8	580	1410	0.6
5-01	06-Apr-99	16.49	45.15	3175	11.9	9	420	2050	-0.02
5-04	06-Apr-99	3.33	65.06	1125	8.5	8.9	250	500	0.06
5-08	06-Apr-99	21.42	85.51	2975	12.7	9.2	480	1650	-0.02
5-73	06-Apr-99	5.54	31.55	3180	9.2	7.7	490	1960	0.24
AW-2	06-Apr-99	25.85	85.9	3025	11.7	7.8	180	2210	0.37
30-03	12-Apr-99	9.15	19.15	2650	9	9.2	500	410	0.93
30-04	12-Apr-99	27.22	87.42	5750	13.5	9.7	1510	2250	0.08
30-48	12-Apr-99	12.55	79.62	2900	10	7.5	640	1270	0.4
30-49	12-Apr-99	38.37	69.03	3400	12.9	7.6	250	2280	8.8
* 32-56	12-Apr-99		57.65						
32-57	12-Apr-99	37.57	54.72	5300	13.9	7.8	230	4150	1.57
AW-1	12-Apr-99	27.3	81.2	3325	12.7	7.7	590	1660	1.86
30-47	20-Apr-99	18.78	79.75	2050	13.8	8.2	490	1680	0.06
* 30-68	20-Apr-99		63.33						
31-05	20-Apr-99	24.83	78.65	4800	13.5	9.2	1350	3550	0.18
31-63	20-Apr-99	19	30.12	10250	12.8	5.4	3130	9380	12.2
31-65	20-Apr-99	15.85	46.1	6300	12.8	6.9	1580	5150	8.5
31-70	20-Apr-99	14.06	34.75	5900	12	6.4	100	5080	2.76
31-71	20-Apr-99	9.19	65.17	2925	13.2	7.4	700	1760	13.7
32-60	20-Apr-99	16.03	24.86	4525	9.8	6.8	660	3890	7.9
32-72	20-Apr-99	8.33	40	3200	6	7.5	710	1690	2.69
* C-3	20-Apr-99		12.3						
# D-4	20-Apr-99	21.75	22.72						
# E-5	20-Apr-99	12.94	16.02						
S-12	20-Apr-99	13.37	26.85	6300	9.4	6.8	1160	4730	0.1
S-9	20-Apr-99	9.8	23.17	8500	10.1	8.2	2360	4570	0.06

Notes: * = dry well.
= insufficient water for sample collection.
a minus sign denotes "less than"
Results for Cl, SO4, NO3 in milligrams per liter.