



Rio Algom

Quivira Mining Company
P.O. Box 218
Grants
New Mexico 87020

505.287.8851 tel
505.285.5550 fax

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 - 169**
Semiannual Report - 2nd Half 2001

Dear Mr. Myers,

Please find attached Quivira Mining Company's groundwater monitoring report for the above referenced discharge permit for the 2nd half of 2001.

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

Regards,

Peter Luthiger
Supervisor, Radiation Safety
and Environmental Affairs

Attachment: As stated

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

NMSS01
Public.

DISCHARGE PLAN DP-169
MONITORING REPORT - 2ND HALF 2001

Well	Date	DTW	TD	Cond.	Temp (C)	pH	Cl (mg/l)	NO3 (mg/l)	SO4 (mg/l)
30-03	22-Oct-01	17.59	18.65	3320	13.4	9.02	580	< 0.02	230
30-04	8-Oct-01	31.68	88.7	3800	16	9.55	500	< 0.1	1510
# 30-46	24-Oct-01		38.37						
30-47	8-Oct-01	43.46	79.09	5040	15	7.06	600	0.6	2390
30-48	8-Oct-01	26.6	79.65	4770	16.1	7.77	680	0.1	2000
30-49	8-Oct-01	40.88	69.09	5060	15.7	7.58	410	0.3	2670
# 30-53	24-Oct-01		50.12						
# 30-68	24-Oct-01		62.57						
31-05	9-Oct-01	26.37	74.74	4950	15.8	7.41	630	0.2	2220
31-61	31-Jul-01	17.57	27.05	7240	16.1	6.79	540	1.21	3890
31-63	23-Oct-01	19.03	30.54	15920	13.8	6.05	2780	0.18	6610
31-65	15-Oct-01	16.39	46.1	8420	15.5	6.91	940	9.5	4000
31-70	23-Oct-01	15.52	32.94	13540	14.7	5.62	1440	0.03	7800
31-71	22-Oct-01	16.07	63.86	5420	13.4	7.05	700	0.05	2120
32-01	9-Oct-01	16.1	52.64	3550	15	8.58	490	0.1	1250
32-02	9-Oct-01	28.9	77.25	4210	15.5	8.88	550	0.1	1550
32-41	9-Oct-01	22.25	58.46	8860	14.6	7.49	1480	0.1	3440
32-42	9-Oct-01	21	28.83	3720	14.6	8.66	430	0.2	200
32-43	9-Oct-01	16.41	76.65	7770	15.9	7.11	470	308	3110
32-50	15-Oct-01	32.47	92.52	4460	14.9	9.24	380	0.04	2140
32-51	15-Oct-01	23.99	76.47	5290	14.8	8.32	230	2.51	3190
32-52	15-Oct-01	24.88	66.7	3710	15	9.77	171	0.14	2060
# 32-56	22-Oct-01		57.55						
32-57	22-Oct-01	36.5	54.66	6400	13.8	7.58	830	1.8	2630
32-58	15-Oct-01	8.78	34.46	4950	17.2	6.85	480	0.02	2210
32-59	30-Jul-01	9.9	39.32	4670	16.9	7.13			
32-60	23-Oct-01	16.29	27.64	8060	14.1	6.75	700	8.6	3990
32-69	9-Oct-01	20.49	66.44	4790	15	7.22	600	0.5	1850
32-72	22-Oct-01	8.67	40.07	5830	16.3	6.96	770	11	1910
5-01	16-Oct-01	18.48	45.25	4580	14.6	9.12	404	< 0.02	2250
5-02	22-Oct-01	16.29	38.69	4230	15.1	7.59	590	< 0.02	1500
5-03	30-Jul-01	12.2	40.36	3750	17.4	8.92			
5-04	16-Oct-01	12.57	65.31	2040	15	9.08	268	0.04	570
5-08	16-Oct-01	25.13	88.13	4470	14.5	7.27	740	0.03	1230
5-73	16-Oct-01	8.05	31.53	5150	16.3	7.08	540	< 0.02	2170
AW-1	8-Oct-01	31.82	81.25	4360	15.1	7.42	500	0.4	1690
AW-2	15-Oct-01	26.66	85.97	4540	15	7.3	247	0.22	2410
# C-3	24-Oct-01		12.2						
D-4	23-Oct-01	19.71	22.3	13740	16.2	6.19	5900	2.5	20
E-5	23-Oct-01	11.53	15.96	13570	16.5	6.68	2190	0.03	4290
* MW-24	31-Jul-01	49.39	50.18						
S-12	13-Oct-01	13.63	28.56	10050	15.6	6.58	1110	< 0.02	4640
S-9	23-Oct-01	9.57	23.57	11930	16.9	8.94	2410	< 0.02	4070

- DRY WELL

* - Insufficient Water for sample collection