

# Rio Algom Mining LLC

August 15, 2011

CERTIFIED MAIL (7010 0290 0003 3163 4711)

Mr. David L. Mayerson  
New Mexico Environment Department  
1190 St Francis Dr.  
P.O. Box 5469  
Santa Fe, NM 87502

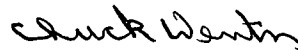
Re: **Discharge Plan - 169**  
**1st Half 2011 Report**

Dear Mr. Mayerson:

Please find attached Rio Algom Mining LLC's groundwater monitoring report for the 1st half of 2011 for the above referenced discharge permit. This permit requires the monitoring and reporting of well data for the alluvium in the vicinity of the tailings area.

If you have any questions or need additional information, please call me at 505-287-8851, ext 15.

Regards,



Chuck Wentz  
Environmental Department Supervisor/RSO

Attachment: As stated

cc: NRC (MD) – License SUA-1473, Docket No. 40-8905  
K. Black  
File

1145501

**RIO ALGOM MINING LLC**  
**DISCHARGE PLAN DP-169 - - - 1ST HALF 2011 ANALYTICAL RESULTS**

Monitor Well	Date	Depth to Water	Total Depth	Specific Cond.	Temp. (C)	pH	Chloride (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)
30-03	17-Jan-11		17.84							
30-04	17-Jan-11		22.06							
30-46	24-Jan-11		38.26							
30-47	17-Jan-11	41.65	77.78	4390	11.5	7.02	670	0.16	1850	3990
30-48	17-Jan-11	51.11	73.27	3890	12.1	6.19	790	0.15	1770	3960
30-49	17-Jan-11	58.92	67.54	4310	12.3	7.01	710	0.36	2280	4500
30-53	24-Jan-11		49.84							
30-68	24-Jan-11		63.19							
31-05	17-Jan-11	42.48	63.81	685	13.2	7.37	30	0.12	200	490
31-61	13-Jun-11	13.94	29.30	15350	13.4	6.42				
31-61	01-Mar-11	13.81	29.29	10660	13.3	6.13	2300	0.82	5700	13700
31-65	13-Jun-11	15.86	45.95	13860	13.9	6.59				
31-65	01-Mar-11	15.75	45.95	9260	12.8	6.20	1900	1.01	5100	12600
31-70	17-Jan-11	27.43	31.15	5640	12.7	6.67	600	7.61	3820	7050
31-71	17-Jan-11	40.49	62.95	4220	13.3	7.17	590	0.51	2460	4600
32-01	18-Jan-11									
32-02	17-Jan-11									
32-41	17-Jan-11	33.36	60.30	3990	12.9	7.84	910	0.03	1050	2980
32-42	17-Jan-11		21.72							
32-43N	18-Jan-11	22.29	76.16	6930	12.7	6.39	1700	5.16	2680	7800
32-51	24-Jan-11	31.11	74.37	4490	12.7	7.39	380	12.1	2770	4990
32-52	24-Jan-11	30.65	66.20	3190	12.5	8.14	233	<0.02	1460	2560
32-56	24-Jan-11		57.20							
32-57	24-Jan-11	43.41	53.18	5160	12.5	7.15	442	13.9	2980	5320
32-58	24-Jan-11	14.43	34.26	7160	12.3	6.58	2510	25.1	1890	6640
32-59	06-Jun-11	17.65	27.95	3830	13.4	6.99				
32-59	01-Mar-11	17.47	27.95	4330	13.1	6.92	590	0.25	2200	4610
32-60	18-Jan-11	12.67	27.46	8020	13.2	6.69	1470	3.63	4310	9760
32-69	18-Jan-11	36.54	78.23	4360	12.3	7.17	620	0.35	2170	4450
32-72	18-Jan-11	17.43	39.92	5340	12.7	7.03	800	5.71	2530	5510
5-01	24-Jan-11	25.98	44.23	3590	12.4	9.29	260	0.11	2190	3630
5-02	24-Jan-11	23.87	38.20	2660	13.5	8.05	610	0.28	30	1310
5-03	06-Jun-11	23.79	41.34	3410	15.4	3.01				
5-03	28-Feb-11	23.56	41.40	3760	13.8	9.76	460	0.03	870	3680
5-04	06-Jun-11	20.62	63.95	3710	14.6	6.63				
5-04	28-Feb-11	20.43	63.95	4580	12.1	6.79	740	0.06	2600	5110
5-08	06-Jun-11	30.30	87.13	1951	14.6	6.25				
5-08	28-Feb-11	30.10	87.13	3340	13.3	6.06	440	0.05	1740	3410
5-73	06-Jun-11	16.03	31.40	4570	13.3	6.74				
5-73	28-Feb-11	15.82	31.40	5490	11.9	6.91	1330	0.45	1680	4760
AW-1	17-Jan-11	50.90	81.10	4630	12.7	6.96	590	7.54	3110	5790
AW-2	24-Jan-11	32.46	85.70	4370	13.1	7.43	280	3.14	2790	4920
S-12	18-Jan-11	12.07	27.76	8810	13.1	6.92	1900	0.16	4400	10600
S-9	18-Jan-11	9.14	24.49	8380	12.1	8.80	2200	0.03	4000	10200
MW-24	06-Jun-11		50.15							
MW-24	28-Feb-11		50.13							

Note: Rio Algom Mining has reviewed the integrity of DP-169 wells and is preparing a work plan for replacing monitor wells with compromised casings.