

Alistair MacDonald

From: David Swisher [dswisher@tamerlaneventures.com]
Sent: July 25, 2007 12:20 PM
To: Alistair MacDonald
Cc: gsmcdonald@sympatico.ca; Rick Hoos; David Swisher
Subject: Process water undertaking

Al,

Please see the attached assay results for the projected discharge water from the entire process taken from the lock-cycle test. The modeling Godfrey is referring to is further information we need to verify concentrate quantities.

Thanks,

David Swisher

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From: Godfrey McDonald [mailto:gsmcdonald@sympatico.ca]
Sent: Tuesday, July 24, 2007 8:11 AM
To: David Swisher
Cc: Rick Hoos
Subject: Fw: 11633 Pine Pt

Hi David!

I delayed sending this email as I had hoped the metallurgical balance by modelling calculation, using the flotation locked-cycle test work would have been received. This is not the case so I must send you and Rick what I have received:

Attachment #1: The combined flotation discharge (zinc 1st cleaner-scavenger discharge and zinc scavenger discharge) which are the final flotation rejects from the flotation circuit. The discharge from the flotation locked-cycle test were not filtered but the solids were allowed natural settling before the water sample was taken for analysis. This is a standard procedure. The metal contents of this water (including some suspended solids) are within guidelines. The results look quite typical for a base metal discharge water.

Attachment #2: Previous information - Water leach tests of the (ore + FS + water), (FS + water) and (water only). The samples were filtered for environmental water analysis; no suspended solids were included in the analysis.

I will be away until later this afternoon, if you would like some clarity on the information sent.

Have a good day!
Godfrey

----- Original Message -----

From: McKenzie, Su (Lakefield)

To: Godfrey McDonald

Sent: Friday, July 20, 2007 11:00 AM

Subject: 11633 Pine Pt

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Client (2736) Barb Bowman
 Reference CofC:001
 Project CALR-11633-001
 Batch Shake Flask
 Supervisor bgraham

Received 30-May-07 15:01
 Requested 06-Jun-07 15:01
 Created 30-May-07 15:01
 Finished 08-Jun-07 13:47
 Samples 3,0,0 - 41

Notes:
 sample weights and volumes prepared by Enviro Met
 ckd ks, B reconfigured to OES

Tag	Type	Sample ID	pH units	Acidity mg/L as CaCO3	Alkalinity mg/L as CaCO3	Conductivity uS/cm	Hg mg/L
1	NOS	~Analysis Start Date	04-Jun-07	04-Jun-07	04-Jun-07	04-Jun-07	06-Jun-07
2	NOS	~Analysis Start Time	19:31	21:13	19:31	19:32	12:00
3	NOS	~Analysis Approval Date	06-Jun-07	06-Jun-07	06-Jun-07	06-Jun-07	07-Jun-07
4	NOS	~Analysis Approval Time	13:35	13:35	13:35	13:35	07:48
5	SMP	ORE	7.27	< 2	72	1310	< 0.0001
6	SMP	FS	9.15	< 2	71	285	< 0.0001
7	SMP	Tap	8.01	< 2	75	277	< 0.0001

Tag	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L
1	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	07-Jun-07	05-Jun-07	05-Jun-07
2	13:00	15:15	13:00	13:00	13:00	07:50	13:00	15:15
3	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	07-Jun-07	05-Jun-07	05-Jun-07
4	15:30	15:16	15:30	15:30	15:30	07:50	15:30	15:16
5	< 0.00003	< 0.01	0.0007	0.0555	< 0.00004	2.40	< 0.00002	219
6	< 0.00003	< 0.01	0.0006	0.130	< 0.00004	4.05	< 0.00002	29.4
7	< 0.00003	0.02	< 0.0002	0.126	< 0.00004	0.063	< 0.00002	34.8

Tag	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L
1	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07
2	13:00	13:00	13:00	13:00	15:15	15:15	15:15	15:15
3	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07
4	15:30	15:30	15:30	15:30	15:16	15:16	15:16	15:16
5	< 0.00006	0.000754	< 0.0003	0.0005	8.18	5.91	< 0.002	38.9
6	< 0.00006	0.000134	< 0.0003	0.0008	0.24	1.17	< 0.002	8.05
7	< 0.00006	0.000112	< 0.0003	0.0682	< 0.01	0.97	< 0.002	3.16

Tag	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L
1	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07

CA10698-MAY07

Tag	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L
2	13:00	13:00	15:15	13:00	15:15	13:00	13:00	13:00
3	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07
4	15:30	15:30	15:16	15:30	15:16	15:30	15:30	15:30
5	0.537	0.0870	23.2	0.0020	1.43	0.00047	0.0137	< 0.001
6	0.0329	0.0709	15.5	0.0012	1.62	0.00028	0.0111	< 0.001
7	0.00123	0.00206	15.6	0.0015	< 0.01	0.00033	0.0005	< 0.001

Tag	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	W mg/L
1	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07
2	15:15	13:00	15:15	13:00	13:00	13:00	13:00	13:00
3	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07	05-Jun-07
4	15:16	15:30	15:16	15:30	15:30	15:30	15:30	15:30
5	9.75	< 0.0003	20.7	0.0156	< 0.0001	< 0.00002	0.00015	0.00387
6	3.25	< 0.0003	0.155	0.0014	< 0.0001	< 0.00002	0.00016	0.00310
7	1.36	< 0.0003	0.117	0.0011	< 0.0001	< 0.00002	0.00086	0.00045

Tag	Y mg/L	Zn mg/L	Hg Prep
1	05-Jun-07	05-Jun-07	04-Jun-07
2	13:00	13:00	12:18
3	05-Jun-07	05-Jun-07	04-Jun-07
4	15:30	15:30	12:18
5	0.000119	0.0663	1
6	0.000005	0.0079	1
7	0.000005	0.0247	1

Client (2736) Barb Bowman
 Reference
 Project CALR-11633-001
 Batch Env ICP-MS Metals
 Supervisor bgraham

Received 10-Jul-07 14:53
 Requested 17-Jul-07 14:53
 Created 10-Jul-07 14:53
 Finished
 Samples 1,0,0 - 41

Notes:
 ckd ks

Tag	Type	Sample ID	pH units	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	Conductivity uS/cm	Hg µg/L
1	NOS	~Analysis Start Date	12-Jul-07	12-Jul-07	12-Jul-07	12-Jul-07	12-Jul-07
2	NOS	~Analysis Start Time	09:33	09:33	09:33	09:33	08:15
3	NOS	~Analysis Approval Date	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	12-Jul-07
4	NOS	~Analysis Approval Time	09:11	09:11	09:11	09:11	13:39
5	SMP	Zinc Comb Tails Water	11.4	163	13	3610	1.5

Tag	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L
1	13-Jul-07	12-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	12-Jul-07
2	11:00	15:18	11:00	11:00	11:00	11:00	11:00	15:18
3	17-Jul-07	18-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	18-Jul-07
4	15:19	07:42	15:19	15:19	15:19	15:19	15:19	07:42
5	0.00600	0.52	0.0314	0.0263	< 0.00004	0.134	0.00156	171

Tag	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L
1	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	12-Jul-07	12-Jul-07	12-Jul-07	12-Jul-07
2	11:00	11:00	11:00	11:00	15:18	15:18	15:18	15:18
3	17-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	18-Jul-07	18-Jul-07	18-Jul-07	18-Jul-07
4	15:19	15:19	15:19	15:19	07:43	07:43	07:43	07:43
5	0.00053	0.000704	0.0037	0.495	0.94	13.6	< 0.002	0.746

Tag	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L
1	13-Jul-07	13-Jul-07	12-Jul-07	13-Jul-07	12-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07
2	11:00	11:00	15:18	11:00	15:18	11:00	11:00	11:00
3	17-Jul-07	17-Jul-07	18-Jul-07	17-Jul-07	18-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07
4	15:19	15:19	07:43	15:19	07:43	15:19	15:19	15:19
5	0.00777	0.0633	1000	0.0060	0.16	0.302	0.0048	0.002

CA10209-JUL07

Tag	Si mg/L	Sn mg/L	Sr mg/L	Tl mg/L	Tl mg/L	U mg/L	V mg/L	W mg/L
1	12-Jul-07	13-Jul-07	12-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07	13-Jul-07
2	15:18	11:00	15:18	11:00	11:00	11:00	11:00	11:00
3	18-Jul-07	17-Jul-07	18-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07	17-Jul-07
4	07:43	15:19	07:43	15:19	15:19	15:19	15:19	15:19
5	3.63	0.0013	9.42	0.0058	0.0011	0.00030	0.00135	0.00820

Tag	Y mg/L	Zn mg/L	Hg Prep
1	13-Jul-07	13-Jul-07	11-Jul-07
2	11:00	11:00	15:00
3	17-Jul-07	17-Jul-07	11-Jul-07
4	15:19	15:19	15:00
5	0.000119	0.186	1