



Lupin Operation
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August 15, 2005

Our File: NWB1LUP0008-2005 Monthly
Your File: Water Register
NWB1LUP0008

Executive Director
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU
X0B 1J0

Dear Sir:

**RE: Echo Bay Mines Ltd., Lupin Gold Mine, Contwoyto Lake, NU.
Water License NWB1LUP0008
Surveillance Network Program Monthly Report**

As required by Part A, Item 6 of the Surveillance Network Program (Schedule 1) of Water License NWB1LUP0008, attached is the Lupin Mine Surveillance Network Program monthly report for **July 2005**.

The monthly and year-to-date water use volumes are included in the report for your review.

Sewage Pond Discharge

Discharge from SNP 925-14 to the environment began on July 1 using the 8-inch siphon. The pond was sampled prior to the beginning of discharge, on June 29, but the lab reported that the sample for fecal coliform testing was unuseable. The discharge was re-sampled on July 13 and a month-end sample was taken on July 27 (to conform with our plane schedule). The results of the analyses are reported in the attached Table 2. Total discharge flow at 925-14 during July was 137,822 cubic metres, as documented in Table 1.

Tailings Containment Area Discharge

Prior to discharge being initiated, on July 5 a sample of the TCA Pond 2 was submitted to Environment Canada's Ecotoxicology Laboratory in Edmonton for toxicity testing, as required by Schedule 1 Table 1 of the Licence. The results indicated 0% mortality for the rainbow trout. The introduced daphnia did not survive but the native daphnia present in the sample continued to thrive. Environment Canada gave permission to initiate the decant. Discharge from 2 syphons at SNP 925-10 (Pond 2 at Dam 1A) to the environment began on July 15. The attached Table 1

shows the daily discharge flows. The total volume discharged for July was 1,006,681 cubic metres. Average daily flow was 62,918 cubic metres. The water elevation in Pond 2 dropped by 1.15 metres during July decant. Water quality analyses for the discharge, reference and downstream SNP monitoring stations, as per Schedule 1 Table 1 of the Licence, are provided in Table 2.

Should you have any questions or comments regarding this report, please contact:
Mike Tansey, Reclamation Manager Ph: (780) 890-8797 mike.tansey@kinross.com.

Sincerely,

A handwritten signature in cursive script that reads "C. Michael Tansey".

C. Michael Tansey
Reclamation Manager, Lupin

cc Bill Goodhard
Shawn Healey
Mark Ioli



WATER LICENCE NWB1LUP0008

SURVEILLANCE NETWORK PROGRAM
MONTHLY REPORT

JULY 2005

- all units are in mg/L except pH which is
unitless and where otherwise indicated.

DATE	SAMPLING STATION	pH	TSS	Total CN	Total As	Cd	Cu	Hg	Ni	Pb	Zn
29-Jun-05	925-14	7.8	18	-	0.0138	<0.00001	0.003	<0.0001	0.0092	0.0008	0.015
13-Jul-05	925-14	7.86	<2	-	0.0134	<0.00001	0.003	<0.0001	0.0047	0.0002	0.007
27-Jul-05	925-14	7.62	<2	-	0.0139	<0.00001	0.004	<0.0001	0.0122	0.0003	0.009

NUTRIENT ANALYSES		F-col #/100mL	BOD ₅	Total Nitrate-N	Total Nitrite-N	TK-N	NH4-N	Total Ortho-P	Total Phosph.	Total O&G	Alk.	Hard.	uS/cm Cond.
29-Jun-05	925-14		4.7	0.96	<0.005	1.7	<0.05	0.02	0.2	no sheen	15	137	
13-Jul-05	925-14	1	<4	0.86	<0.005	0.47	0.06	0.02	0.1	no sheen	18	152	617
27-Jul-05	925-14	<1	<4	1.23	<0.005	0.53	<0.05	0.02	<0.1	no sheen	23	203	845

Discharge from 925-14 began on July 1, 2005.

Discharge from 925-10 began on July 15, 2005. Results from samples taken at 925-10, 925-20, 925-21, 925-22, 925-24 and 925-25 are listed on attached sheet.

	MONTHLY		YTD
TOTAL FRESHWATER METERED FROM PUMPHOUSE (925-01)	21,506	CUBIC METERS	303,297
PROCESS	16,098	CUBIC METERS	264,980
POTABLE	5,408	CUBIC METERS	38,317
TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA)	16,098	CUBIC METERS	226,204
SOLUTION	16,098	CUBIC METERS	212,412
SOLIDS	0	CUBIC METERS	13,792
DRY TAILINGS SOLIDS TO BACKFILL	0	CUBIC METERS	0
QUANTITY OF ORE MILLED	0	TONNES	41,484
MINE WATER PUMPED FROM UNDERGROUND	117	CUBIC METERS	6,898
SEWAGE LAKES DISCHARGE (925-14)	137,822	CUBIC METERS	137,822

COMMENTS :

No processing was carried out during the month.
The property is now on care and maintenance.

Mike Tansey
Reclamation Manager, Lupin

Date	SYPHON 1						SYPHON 2						DAILY	TOTAL
	Flow usgpm	Flow m3/min	Flow m3/hr	hours flow	Flow m3/day	Cum. Total Flow (m3)	Flow usgpm	Flow m3/min	Flow m3/hr	hours flow	Flow m3/day	Cum. Total Flow (m3)	Cum. Total Flow (m3)	Cum. Total Flow (m3)
15-Jul-05	5580	Syphon started at 1100 hrs					6060	Syphon started at 1400 hrs						
16-Jul-05	5580	21.12	1267	20	25,344	25,344	6060	22.94	1376	18	24,772	24,772	50,117	50,117
17-Jul-05	5740	21.42	1285	24	30,849	56,194	5780	22.41	1344	24	32,266	57,039	63,116	113,232
18-Jul-05	5940	22.10	1326	24	31,830	88,024	6080	22.45	1347	24	32,321	89,360	64,151	177,384
19-Jul-05	5650	21.93	1316	24	31,585	119,609	5860	22.60	1356	24	32,539	121,899	64,124	241,508
20-Jul-05	5650	21.39	1283	24	30,795	150,404	5820	22.10	1326	24	31,830	153,729	62,625	304,133
21-Jul-05	5630	21.35	1281	24	30,740	181,145	5450	21.33	1280	24	30,713	184,442	61,453	365,587
22-Jul-05	5160	20.42	1225	24	29,405	210,550	5050	19.87	1192	24	28,615	213,057	58,020	423,606
23-Jul-05	5660	20.48	1229	24	29,487	240,036	5740	20.42	1225	24	29,405	242,462	58,892	482,498
24-Jul-05	5730	21.56	1293	24	31,040	271,076	5590	21.44	1287	24	30,877	273,338	61,917	544,415
25-Jul-05	5640	21.52	1291	24	30,986	302,062	5510	21.01	1260	24	30,250	303,588	61,235	605,650
26-Jul-05	6320	22.63	1358	24	32,593	334,656	6410	22.56	1354	24	32,484	336,073	65,078	670,728
27-Jul-05	6230	23.75	1425	24	34,201	368,857	6290	24.03	1442	24	34,610	370,683	68,812	739,540
28-Jul-05	6180	23.49	1409	24	33,820	402,677	6150	23.54	1413	24	33,902	404,584	67,721	807,261
29-Jul-05	6135	23.31	1398	24	33,561	436,238	6125	23.23	1394	24	33,452	438,036	67,013	874,274
30-Jul-05	6069	23.10	1386	24	33,258	469,496	5974	22.90	1374	24	32,972	471,009	66,231	940,505
31-Jul-05	6010	22.86	1372	24	32,918	502,414	6230	23.10	1386	24	33,258	504,267	66,176	1,006,681
Average	5818	22.03	1322		31,401		5893	22.24	1335		31,517		62,918	

Date	Flow usgpm	Flow m3/min	Flow m3/hr	hours of flow	Flow m3/day	Cum. Monthly Flow (m3)
1-Jul-05	964	Syphon started at 0700 hrs				
2-Jul-05	940	3.60	216	24	5189	5,189
3-Jul-05	973	3.62	217	24	5213	10,402
4-Jul-05	0	1.84	110	24	2652	13,054
5-Jul-05	998	1.89	113	0	0	13,054
6-Jul-05	1021	3.82	229	24	5502	18,556
7-Jul-05	960	3.75	225	24	5399	23,955
8-Jul-05	976	3.66	220	24	5276	29,231
9-Jul-05	960	3.66	220	24	5276	34,507
10-Jul-05	934	3.58	215	24	5162	39,668
11-Jul-05	985	3.63	218	24	5230	44,898
12-Jul-05	952	3.67	220	24	5279	50,177
13-Jul-05	965	3.63	218	24	5224	55,401
14-Jul-05	950	3.62	217	24	5219	60,620
15-Jul-05	470	2.69	161	24	3870	64,489
16-Jul-05	440	1.72	103	24	2480	66,969
17-Jul-05	440	1.67	100	24	2398	69,367
18-Jul-05	950	2.63	158	24	3788	73,155
19-Jul-05	920	3.54	212	24	5096	78,252
20-Jul-05	930	3.50	210	24	5042	83,293
21-Jul-05	920	3.50	210	24	5042	88,335
22-Jul-05	940	3.52	211	24	5069	93,404
23-Jul-05	930	3.54	212	24	5096	98,500
24-Jul-05	900	3.46	208	24	4987	103,487
25-Jul-05	910	3.43	206	24	4933	108,420
26-Jul-05	900	3.43	206	24	4933	113,352
27-Jul-05	850	3.31	199	24	4769	118,121
28-Jul-05	920	3.35	201	24	4824	122,945
29-Jul-05	942	3.52	211	24	5074	128,019
30-Jul-05	890	3.47	208	24	4993	133,012
31-Jul-05	875	3.34	200	24	4810	137,822
Average	861	3.25	195		4594	

Table 2

July 2005 SNP Sampling Report - Water Quality Results

*D-Daily *W-Weekly *M-Monthly				Routine Analysis			Total CN (mg/l)	Total As (mg/l)	Total Metals (mg/l)						NH4-N (mg/l)	T-Alk (mg/l)	Hard. (mg/l)
Log No.	Date	Sampling Station		pH	uS/cm Cond.	TSS			Cd	Cu	Hg	Ni	Pb	Zn			
M 51028	29-Jun-05	925-14		7.80		18	---	0.0138	<0.00001	0.003	<0.0001	0.0092	0.0008	0.015	<0.05	15	137
W 51033	5-Jul-05	925-22		6.68	13	2	0.006	0.0018	0.00003	0.001	<0.0001	0.0010	0.0014	0.005	<0.05	5	4
W 51034	5-Jul-05	925-24		6.47	18	3	0.008	0.0013	0.00001	<0.001	<0.0001	0.0009	0.0006	0.004	<0.05	<5	5
W 51035	5-Jul-05	925-25		6.58	241	3	0.020	0.0016	0.00003	0.001	<0.0001	0.0012	0.0017	0.006	<0.05	6	75
M 51044	13-Jul-05	925-14		7.86	617	<2	---	0.0134	<0.00001	0.003	<0.0001	0.0047	0.0002	0.007	0.06	18	152
W 51045	15-Jul-05	925-10		6.69	878	20	0.046	0.0110	0.00009	0.014	<0.0001	0.0899	0.0004	0.232	2.03	6	210
D 51046	16-Jul-05	925-10		6.66	876	3	0.046	0.0087	0.00011	0.014	<0.0001	0.0891	0.0004	0.235	---	5	240
D 51047	17-Jul-05	925-10		6.67	875	<2	0.048	0.0076	0.09000	0.014	<0.0001	0.0920	0.0003	0.244	---	5	212
D 51048	18-Jul-05	925-10		6.64	877	<2	0.044	0.0074	0.00011	0.014	<0.0001	0.0919	0.0005	0.242	---	6	220
D 51056	19-Jul-05	925-10		6.64	801	<2	0.044	0.0086	0.00010	0.015	<0.0001	0.0918	0.0003	0.246	---	<5	221
W 51057	19-Jul-05	925-20		5.76	720	<2	0.026	0.0039	0.00031	0.003	<0.0001	0.1180	<0.0001	0.221	1.01	<5	201
W 51058	19-Jul-05	925-21		6.73	11	<3	0.002	0.0009	<0.00001	<0.001	<0.0001	<0.0005	0.0001	0.002	<0.05	<5	<0.9
W 51059	19-Jul-05	925-22-1		6.73	41	5	0.002	0.0018	0.00002	0.001	<0.0001	0.0036	0.0002	0.006	0.32	<5	8
W 51060	19-Jul-05	925-22-2		6.74	40	3	0.002	0.0016	0.00001	0.001	<0.0001	0.0040	0.0002	0.006	<0.05	<5	7
W 51061	19-Jul-05	925-22-3		6.74	40	<3	0.002	0.0016	<0.00001	0.001	<0.0001	0.0040	0.0001	0.006	<0.05	<5	10
W 51062	19-Jul-05	925-24		6.76	12	3	0.002	0.0010	<0.00001	<0.001	<0.0001	0.0010	0.0001	0.004	0.07	<5	3
W 51063	19-Jul-05	925-25		6.72	11	4	0.002	0.0012	<0.00001	<0.001	<0.0001	0.0011	0.0002	0.002	<0.05	<5	3
W 51065	20-Jul-05	925-10		6.28	819	<2	0.040	0.0096	0.00009	0.015	<0.0001	0.0953	0.0004	0.263	1.94	<5	214
D 51066	21-Jul-05	925-10		6.55	839	2	0.042	0.0116	0.00009	0.014	<0.0001	0.0980	0.0004	0.266	---	7	217
D 51067	22-Jul-05	925-10		6.48	840	<2	0.042	0.0102	0.00011	0.014	<0.0001	0.0974	0.0004	0.262	---	<5	217
D 51068	23-Jul-05	925-10		6.44	839	3	0.042	0.0100	0.00010	0.014	<0.0001	0.1010	0.0003	0.261	---	7	214
D 51069	24-Jul-05	925-10		6.41	837	<2	0.038	0.0089	0.00012	0.014	<0.0001	0.0964	0.0003	0.251	---	7	218
D 51070	25-Jul-05	925-10		6.36	840	<2	0.036	0.0088	0.00010	0.014	<0.0001	0.0986	0.0003	0.252	---	5	215
D 51071	26-Jul-05	925-10		6.36	839	<2	0.036	0.0088	0.00010	0.014	<0.0001	0.0990	0.0003	0.259	---	6	219
W 51072	26-Jul-05	925-20		6.54	152	<2	0.006	0.0010	0.00004	0.001	<0.0001	0.0163	0.0001	0.035	0.19	<5	36.9
W 51073	26-Jul-05	925-21		6.63	10	<2	0.002	0.0004	<0.00001	0.001	<0.0001	0.0005	<0.0001	<0.0001	<0.05	<5	2
W 51074	26-Jul-05	925-22-1		6.33	270	<2	0.010	0.0014	0.00010	0.002	<0.0001	0.0326	0.0004	0.070	0.34	<5	67
W 51075	26-Jul-05	925-22-2		6.32	267	<2	0.020	0.0014	0.00008	0.002	<0.0001	0.0321	0.0005	0.068	0.34	6	65
W 51076	26-Jul-05	925-22-3		6.34	250	<2	0.020	0.0014	0.00008	0.002	<0.0001	0.0310	0.0003	0.066	0.32	<5	61
W 51077	26-Jul-05	925-24		6.48	155	<2	0.004	0.0018	0.00006	0.002	<0.0001	0.0162	0.0007	0.034	0.11	<5	37.7
W 51078	26-Jul-05	925-25		6.67	25	<2	0.002	0.0015	0.00003	0.002	<0.0001	0.0022	0.0009	0.015	<0.05	<5	7
M 51079	27-Jul-05	925-14		7.62	845	<2	---	0.0139	<0.00001	0.004	<0.0001	0.0122	0.0003	0.009	<0.05	23	203
W 51080	27-Jul-05	925-10		6.39	847	<2	0.040	0.0146	0.00010	0.015	<0.0001	0.0955	0.0005	0.251	1.88	<5	216
D 51082	28-Jul-05	925-10		6.40	810	3	0.040	0.0082	0.00011	0.013	<0.0001	0.0965	0.0002	0.254	---	<5	212
D 51083	29-Jul-05	925-10		6.30	809	<3	0.040	0.0087	0.00010	0.014	<0.0001	0.0988	0.0003	0.266	---	<5	220
D 51084	30-Jul-05	925-10		6.26	812	<2	0.044	0.0096	0.00013	0.014	<0.0001	0.0989	0.0004	0.259	---	<5	216
D 51085	31-Jul-05	925-10		6.22	818	<2	0.044	0.0089	0.00012	0.077	<0.0001	0.0959	0.0024	0.296	---	<5	216

*D-Daily *W-Weekly *M-Monthly				Nutrient Analysis							
Log No.	Date	Sampling Station		Total Nitrate-N	Total Nitrite-N	TK-N	Total Ortho-P	Total Phosph.	Total O&G	F-col #/100mL	BOD ₅
M 51028	29-Jun-05	925-14		0.96	<0.005	1.7	0.02	0.2	no sheen	**	4.7
M 51044	13-Jul-05	925-14		0.86	<0.005	0.47	0.02	0.1	no sheen	1	<4
M 51079	27-Jul-05	925-14		1.23	<0.005	0.53	0.02	<0.1	no sheen	<1	<4

** Sample 8°C on arrival. Not tested.