

Lupin Operations, NU
9818 International Airport
Edmonton, Alberta
T5J 2T2

August 4, 2003

Our File: NWB1LUP0008-Monthly03
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 Licence
NWB1LUP0008; Surveillance Network Program Monthly Report**

As required by Part A, Item 6 of the Surveillance Network Program (Schedule 1) of Water Licence NWB1LUP0008, attached are three copies of our monthly report for **July 2003**.

July SNP sampling consisted of the sewage lakes discharge at Station 925-14. Using the single 8 inch syphon, the discharge continued through the month of July with a monthly volume of 144,641 m³. Results are included in the attached report along with the monthly water use and mill production data for review.

Also attached is a revised June report with corrected numbers for the tailings solution and total tailings at 925-12. This was revised due to an error in the percent solids value used in the calculation.

Should you have any questions or comments regarding this report, please direct future correspondence until further notice to Mr. Mike Tansey at (780) 890-8797, Lupin.

Yours truly,



D. Hohnstein
Environmental Coordinator, Lupin
Attach.

cc B. Burton Mill Operations M. Tansey



WATER LICENCE NWB1LUP0008

 SURVEILLANCE NETWORK PROGRAM
 MONTHLY REPORT

JULY 2003

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

| DATE | SAMPLING STATION | TEMP °C | pH | TSS | Total CN | Total As | Cd | Cu | TOTAL Hg | METALS Ni | Pb | Zn | F-col #/100mL | BOD ₅ |
|-----------|------------------|---------|-----|-----|----------|----------|---------|-------|----------|-----------|--------|-------|---------------|------------------|
| 22-Jul-03 | 925-14 | 16.7 | 7.0 | <1 | | 0.0145 | 0.00004 | 0.005 | | 0.017 | 0.0002 | 0.034 | <1 | <4 |

| | | Total Nitrate-N | Total Nitrite-N | TK-N | NH4-N | Total Ortho-P | Total Phosph. | Total O&G | Alk. | Hard. | uS/cm Cond. |
|-----------|--------|-----------------|-----------------|------|-------|---------------|---------------|-----------|------|-------|-------------|
| 22-Jul-03 | 925-14 | 6.35 | 0.128 | 1.62 | 1.02 | 0.07 | 0.12 | n/v | 14 | 336 | |

| | MONTHLY | | YTD |
|--|---------|--------------|---------|
| TOTAL FRESHWATER METERED AT PUMPHOUSE (925-01) | 81,114 | CUBIC METERS | 555,205 |
| PROCESS | 73,894 | CUBIC METERS | 506,622 |
| POTABLE | 7,220 | CUBIC METERS | 48,583 |
| TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA) | 54,568 | CUBIC METERS | 459,140 |
| SOLUTION | 43,098 | CUBIC METERS | 374,838 |
| SOLIDS | 11,470 | CUBIC METERS | 84,302 |
| DRY TAILINGS SOLIDS TO BACKFILL | 1,615 | CUBIC METERS | 24,976 |
| QUANTITY OF ORE MILLED | 37,945 | TONNES | 316,906 |
| MINE WATER PUMPED FROM UNDERGROUND | 6,098 | CUBIC METERS | 30,404 |
| SEWAGE LAKES DISCHARGE | 144,641 | CUBIC METERS | 185,466 |

COMMENTS :

The sewage sample at station 925-14 was collected at 0630 hrs on July 22, 2003.


 ENVIRONMENTAL COORDINATOR

WATER LICENCE NWB1LUP0008

 SURVEILLANCE NETWORK PROGRAM
 MONTHLY REPORT

JUNE 2003 - Revised

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

| DATE | SAMPLING STATION | TEMP °C | pH | TSS | Total CN | Total As | Cd | Cu | TOTAL METALS | | | | Zn | F-col #/100mL | BOD ₅ |
|-----------|------------------|---------|-----|-----|----------|----------|---------|-------|--------------|--|--------|--------|-------|---------------|------------------|
| 24-Jun-03 | 925-14 | 7.9 | 9.0 | 10 | | 0.0114 | 0.00002 | 0.004 | | | 0.0101 | 0.0004 | 0.021 | <1 | <4 |

| | | Total Nitrate-N | Total Nitrite-N | TK-N | NH ₄ -N | Total Ortho-P | Total Phosph. | Total O&G | Alk. | Hard. | uS/cm Cond. |
|-----------|--------|-----------------|-----------------|------|--------------------|---------------|---------------|-----------|------|-------|-------------|
| 24-Jun-03 | 925-14 | 4.52 | <0.002 | 5.19 | 2.91 | <0.05 | 0.17 | n/v | 10 | 247 | |

| | MONTHLY | | YTD |
|--|---------|--------------|---------|
| TOTAL FRESHWATER METERED AT PUMPHOUSE (925-01) | 75,819 | CUBIC METERS | 474,091 |
| PROCESS | 69,617 | CUBIC METERS | 432,729 |
| POTABLE | 6,202 | CUBIC METERS | 41,362 |
| TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA) | 58,896 | CUBIC METERS | 404,572 |
| SOLUTION | 46,066 | CUBIC METERS | 331,740 |
| SOLIDS | 12,830 | CUBIC METERS | 72,832 |
| DRY TAILINGS SOLIDS TO BACKFILL | 2,453 | CUBIC METERS | 23,361 |
| QUANTITY OF ORE MILLED | 44,319 | TONNES | 278,961 |
| MINE WATER PUMPED FROM UNDERGROUND | 4,759 | CUBIC METERS | 24,306 |
| SEWAGE LAKES DISCHARGE | 40,825 | CUBIC METERS | 40,825 |

COMMENTS :

 Start up of the syphon at station 925-14 was at 1630 hrs on June 23, 2003.
 The sewage sample at station 925-14 was collected at 0630 hrs on June 24, 2003.


 ENVIRONMENTAL COORDINATOR