



**2008
NWB1LUP0008
ANNUAL REPORT**

**LUPIN MINE
NUNAVUT, CANADA**

February 2009

A handwritten signature in black ink that reads "Andrew Mitchell".

Prepared By:

Andrew Mitchell, P.Geo.
Development Manager
OZ Minerals Canada Resources Inc.

Date: Feb. 28 2009

Lupin Mines Inc. (a Wholly Owned Subsidiary of OZ Minerals Canada Resources Inc).
Suite 200 – 1159 Alloy Drive, Thunder Bay, ON P7B 6M8 • Tel: 807-346-1668 • Fax: 807-345-0284



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INTRODUCTION

This report is submitted to fulfill requirements under Part B, Item 5 of Water License NWB1LUP0008 granted by the Nunavut Water Board pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada*.

A. FRESH WATER INTAKE VOLUME: Station 925-01

There was no fresh water intake at the Lupin Mine Site in 2008 while under care and maintenance.

B. TAILINGS EFFLUENT DISCHARGE: Station 925-10

There was no tailings effluent discharge at the Lupin Mine Site in 2008 while under care and maintenance.

C. MINEWATER: Station 925-11

There was no mine water pumped from the workings at the Lupin Mine Site in 2008 while under care and maintenance.

D. SEWAGE EFFLUENT: Station 925-14

A discharge of 240,000 cubic metres of sewage effluent was discharged from the Sewage Lakes system at the Lupin Mine Site between October 8th and 28th, 2008. The results of the chemical analysis of a sample of the effluent are provided in Appendix 1.

E. SURVEILLANCE NETWORK PROGRAM DATA

Water Quality

The annual sample of freshwater was the only SNP sample required in 2008 since there was no tailings effluent discharge.

925-01 Freshwater intake Contwoyto Lake sample taken October 28, 2008.

Parameter	Result	MDL	Units
Ca	1.5	0.5	mg/L
K	0.4	0.1	mg/L
Mg	0.5	0.5	mg/L
Na	<1	1	mg/L
Fe	0.023	0.005	mg/L
Mn	0.002	0.001	mg/L
Ag	<0.0004	0.0004	mg/L
Al	0.02	0.01	mg/L
B	<0.05	0.05	mg/L
Ba	0.003	0.003	mg/L
Be	0.003	0.001	mg/L
Cd	<0.0002	0.0002	mg/L
Co	<0.002	0.002	mg/L
Cr	<0.005	0.005	mg/L
Cu	<0.001	0.001	mg/L
Mo	<0.005	0.005	mg/L
Ni	<0.002	0.002	mg/L
Pb	<0.0003	0.0001	mg/L
Sn	<0.05	0.05	mg/L
Ti	<0.001	0.001	mg/L
Tl	<0.0001	0.0001	mg/L
V	<0.001	0.001	mg/L
Zn	0.006	0.004	mg/L
Ammonia-N	<0.05	0.05	mg/L
Cyanide Total	<0.002	0.002	mg/L
Fecal Coliforms	<1	1	CFU/100ml
TSS	<3	3	mg/L
pH	6.6	0.1	pH
Conductivity	12.9	0.2	uS/cm

Thermistor Readings:

One set of thermistor data was taken from the Tailings Containment Area in 2008. The data collected is listed in the following table.

Tip	TC1-6	TC1-3	TC1-7	D3D-1	DK-3	TC3-1	D4-1	D4-3	D4-4	D1A-002-4	D1A-N-002-5	D2-N-002-2
1	17.02	15.08					16.04	16.38	19.49	16.7		15.79
2	O.L	16.35					15.34	15.26	15.6	15.6		16.75
3	O.L	16.23					15.13	14.86	15.3	16.12		17.79
4	O.L	16.29					15.21	14.97	15.59	16.47		O.L
5	16.35	16.31					15.72	15.42	15.97	17.98		19
6	O.L	16.32					16.83	16.69	16.96	18.77		19.92
7	O.L	16.58					18.09	17.51	18.09	20.03		20.49
8	O.L	16.76					18.99	18.41	19.08	20.64		20.81
9	O.L	17.09					19.56	19.03	19.68	20.49		O.L
10	17.63	17.4					19.92	19.49	19.78	20.02		O.L
11	O.L	17.7					20.24	19.79	20.29			
12	18.2	18.01					20.46	19.84	20.54			
13	20.32	18.52					20.7	19.93	20.67			
14	21.53	20.33					20.88	19.96	20.73			
15	21.23	21.52					20.76	19.92	20.74			
16	21.05	27.68										

F. MAINTENANCE WORK

Only routine maintenance was carried out at the site during 2008.

G. LIST OF UNAUTHORIZED DISCHARGES

There were no unauthorized discharges during 2008 under Water Licence NWB1LUP0008.

H. REVISIONS TO THE ABANDONMENT AND RESTORATION PLAN

A revision to the 2007 Abandonment and Restoration, to reflect the change in status of the mine, operations and personnel, was completed. The 2007 Plan was submitted to the Board on in December of 2007 along with the application for renewal of the water license. A February 2009 revision is provided in Appendix 2.

I. REVISIONS TO THE SPILL CONTINGENCY PLAN

The 2007 Spill Contingency Plan was submitted to the water board in December 2007 along with the application for renewal of the water license. A February 2009 revision of this plan is provided in Appendix 3.

J. SUMMARY OF ABANDONMENT AND RESTORATION ACTIVITIES

There were no abandonment and restoration activities performed on site in 2008.

K. ANY OTHER DETAILS ON WATER USE OR WASTE DISPOSAL REQUESTED BY THE BOARD BY NOVEMBER 1st OF THE YEAR BEING REPORTED

During the license renewal review and hearings the company committed to providing the following management plans along with the annual report:

1. Draft Abandonment and Restoration Plan
2. Spill Contingency Plan
3. Draft Wildlife Management Plan (Care and Maintenance)
4. Draft Storm Water Management Plan (Care and Maintenance)
5. Draft Waste Management Plan (Care and Maintenance)

These plans are provided in Appendices 2 through 7.

L. OTHER CONSIDERATIONS

Procedures for implementing the TCA discharge and all discharge sampling are provided for the Board's information in Appendix 8 and 9.

APPENDIX 1

Certificates of Analyses

APPENDIX 2

2008 Draft Abandonment and Restoration Plan
(Care and Maintenance)

APPENDIX 3

Spill Contingency Plan (Revised February 2009)

APPENDIX 4

Draft Wildlife Management Plan (Care and Maintenance)

APPENDIX 5

Storm Water Management Plan

APPENDIX 6

Waste Management Plan (Care and Maintenance)

APPENDIX 7

Care and Maintenance Plan

APPENDIX 8

TCA Discharge Procedure

APPENDIX 9

Discharge Sampling Procedure

APPENDIX 10

2008 BGC Geotechnical Inspection Report