



**MIRAMAR NORTHERN MINING LTD.
CON MINE**

Con Mine
Box 2000, Yellowknife, NT X1A 2M1
Phone: (867) 766-5317 Fax: (867) 873-8492
E-Mail: RConnell@Miramarmining.com

June 30, 2008

Mackenzie Valley Land and Water Board
P.O. Box 2130
Yellowknife, NT X1A 2P6

Attention: Willard Hagen, Chair

Mackenzie Valley Land
& Water Board
File _____
JUL 07 2008
Application # MV2007L8-0025
Copied To KGI Reg

Re: Con Mine Reclamation Status Report – Effective March 31, 2008

Dear Mr. Hagen:

As per Part B, Item 2. c) of Water License MV2007L8–0025, Miramar Northern Mining Ltd. (MNML) hereby applies for a reduction of the security deposit under Part B, Item 2 of the Water License. The application for reduction in the amount of the security is based on closure and reclamation work carried out at Con Mine up to and including March 31, 2008 under the former Water License. The individual projects are specified below, and the project descriptions conform to those shown in the Final Closure Plan RECLAIM model dated February 01, 2008. There are three Attachments as follows:

- Attachment 1 is an Excel spreadsheet that identifies the closure and reclamation work completed up until the new Water License was issued on March 31, 2008, the value associated with this work as identified in the RECLAIM model version 5.1 dated February 01, 2008, and an updated estimate of the mine closure and reclamation liability. The total value of this work is \$1,031,564. It is the position of MNML that the Reclamation Security should be reduced by this amount, to \$14,468,436 for the purposes of the additional security that is required on July 31st as per Part B, Section 2 c of the new Water License.
- Attachment 2 is a letter from John Hull, P. Eng. for Golder Associates. Mr. Hull is the Engineer of Record for Con Mine and has been acting in this capacity for a number of years. His stamp and signature appear on the final Closure and Reclamation Plan that has been approved for Con Mine, and most of the supporting documents, as well as many of the documents and reports submitted in respect to the application for the new Water License that was issued this year. In his letter, Mr. Hull states that he is in agreement with the summary of work completed as outlined in this report.

- Attachment 3 includes copies of the as-built reports for the concrete caps recently placed on the 204Q stope, C-1 shaft, and the Negus Vent Shaft, and a copy of the as-built report for the engineered drainage channel constructed between the Upper Pud and Middle Pud TCA's. As-built drawings for the remainder of the caps were submitted to the MVLWB in the year in which they were constructed.

Reclamation Projects Completed to March 31, 2008

1. **Negus Vent Shaft Cap:** Engineered, designed & placed a concrete cap on the Negus Vent Shaft as per the NWT Mine Health and Safety Act and Regulations. A copy of the As-Built report was submitted to the MVLWB on March 03, 2008.
2. **Capping of 204Q Raise:** The culmination of a four year program, an engineered concrete cap was placed on the 204Q opening to surface as per the NWT Mine Health and Safety Act and Regulations. The initial investigation, study, and final design were carried out by geotechnical engineers from Golder Associates. A copy of the As-Built report was submitted to the MVLWB on February 13, 2008.
3. **C-1 Shaft Cap:** Following engineering and design provided by geotechnical engineers from Golder Associates, a concrete cap was placed on the C-1 Shaft as per the NWT Mine Health and Safety Act and Regulations. A copy of the As-Built report was submitted to the MVLWB on June 19, 2008.
4. **Other Openings to Surface:** Over the past four years a total of nine openings to surface have been capped. In addition to items 1-3 above, the following openings have been capped:
 - a. **Negus 114 Raise – 2004**
 - b. **Negus 220 Raise – 2004**
 - c. **Rycon Shaft – 2004**
 - d. **Burns Raise – 2005**
 - e. **C-1 Ventilation Shaft – 2005**
 - f. **Negus 120 Raise – 2006**

As required by the WCSS Mines Inspector, an engineered cap design was initiated for each opening to surface at the time the project commenced. Each phase of the project required superintendence by a qualified geotechnical engineer, periodic inspections by the Engineer, and the approval of the WCSS Inspector of Mines. As-Built Reports, including stamped engineered drawings and results of concrete testing, were prepared upon completion of each project. Copies of these reports were submitted to INAC, the MVLWB, and the WCSS Mines Inspector upon completion.

5. **Con Pond Cleanup:** All arsenic sludge was removed and taken to the Blend Plant for processing through the autoclave. Contaminated soil and oversized material was transported to the approved Hazardous Waste Disposal Site. The underlying bedrock was high pressure washed to remove the remaining soil. A report summarizing the results of the cleanup was submitted to the MVLWB on January 03, 2008. Once the concrete from demolition of the wall has been placed in the Hazardous Waste Disposal Site, the Con Pond former hazardous waste storage site is ready for backfilling and capping.
6. **Negus Pond Cleanup:** All arsenic sludge was removed and taken to the Blend Plant for processing through the autoclave. Contaminated soil and oversized material was transported to the approved Hazardous Waste Disposal Site. The underlying bedrock was high pressure washed to remove the remaining soil. A report summarizing the results of the cleanup was submitted to the MVLWB on January 03, 2008. To complete this project in preparation for backfilling and capping, the concrete wall must be removed and a channel excavated to drain this area to the Middle Pud TCA.
7. **Arsenic Sludge and Calcine:** In 2007 the last 5,972 tonnes of arsenic sludge were processed through the Blend Plant and the Autoclave. An additional 5,306 tonnes of calcine were utilized as feed during this process. This completes the treatment of all remaining arsenic sludge on the Con Mine site.
8. **Blend Plant:** All arsenic sludge has been removed from the three pits in the Blend Plant and processed through the Autoclave. Effective October 31st, all arsenic sludge remaining on the site of Con Mine has been processed to render it physically, chemically, and environmentally stable. The Autoclave has been shut down and placed on Care and Maintenance in preparation for final decommissioning. The Blend Plant pit walls have been repeatedly high pressure washed. Subsequent sampling has confirmed that the concrete liner of the pits now contains less than 3,000 mg/kg arsenic, and the underlying bedrock contains less than 30 mg/kg of arsenic. Photographs of the liners will be taken to prove that they are intact, following which a qualified Geotechnical Engineer will submit a report confirming the structural integrity of the pits, and that they are in a suitable condition to be backfilled with low level arsenic contaminated material.
9. **Autoclave:** As of October 2007, all arsenic sludge remaining on the Con Mine site had been processed through the autoclave. At that time the autoclave was cleaned and allowed to cool down as per the manufacturer's specifications. In November the autoclave was placed on care and maintenance in heated storage. In March 2008 the heat was shut off and the autoclave has been allowed to cool down in preparation for decommissioning. It will be decommissioned in 2008.

10. **Upper Pud Spillway:** An engineered drainage channel was constructed between the Upper Pud TCA and the Middle Pud TCA. This channel drains water from Upper Pud to Middle Pud, which allows tailings in the Upper Pud TCA to dry out and consolidate in preparation for capping. Copies of the As-built report were submitted to the MVLWB and INAC at the end of June.
11. Completed a third round of water quality sampling and determination of the water level in the Robertson Shaft.
12. Continued Kinetic testing of tailing from both the active and historical TCA's to determine the long term potential for arsenic release. Testing continued through the first quarter of 2008. The final report will be submitted to the MVLWB in July.
13. Carried out a further study of soil contamination in the Tin Can Hill and Con Dock area to determine if these areas are suitable for residential use by the City of Yellowknife. With a little work these areas can be reclaimed for residential use. The report was submitted to the MVLWB, INAC, and the City of Yellowknife in January 2008.
14. Completed a study of soil contamination in the area northwest of the minesite, adjacent to Taylor Road, to determine if this area is suitable for residential use by the City of Yellowknife. With very little work this area can be reclaimed for residential purposes. The report was submitted to the MVLWB, INAC, and the City of Yellowknife in January 2008.
15. Prepared the pre-design report on the Taylor Road Storm Sewer and received approval from the City of Yellowknife to proceed with "for construction" design. Dillon Consulting has prepared the "for construction" drawings and submitted them to the City of Yellowknife for final approval. The sewer is scheduled for construction in 2008.
16. Demolished Building 109, the Recreation Hall at Con Mine.
17. Demolished Building 115, the fourplex apartment at Con Mine.
18. Demolished Building 121, the power sub-station across from the Masonic Lodge.
19. Demolished the propane vaporizer building near the pumphouse.
20. Returned five large propane tanks, including Tank #104, to the supplier.
21. Reactivated the PCB storage site and placed four small transformers in storage.
22. Sent 38,000 liters of waste oil from the minesite, to a recycler
23. Sent 36,000 Kg of waste batteries from the minesite, to a recycler.

24. Backfilled and contoured the disturbed area at the south end of Rat Lake.
25. Carried out the 2007 groundwater well monitoring program.
26. Carried out the 2007 Environmental Effects Monitoring Program as required under the federal Metal Mining Effluent Regulations.
27. Carried out the 2007 Annual Geotechnical Inspection as required under the former Water License.
28. Carried out the 2007 Annual Flowmeter Inspection and Calibration as required under the former Water License.
29. Treated and released 505,402 cubic meters of effluent in 2007.

Reclamation Security

Under Part B, General Conditions, Item 2, the amount of the Reclamation Security is set at \$15,500,000. This amount does not make any provision for the Closure and Reclamation work that was completed up to March 31, 2008, when the new Water License was issued. Nor does it make any allowance for the fact that MNML will carry out a significant portion of the remaining Closure and Reclamation work in 2008. As of April 30, 2008, there is \$11,320,610 in a reclamation security trust, and a Letter of Credit on file for \$679,390, bringing the total in the security deposit to \$12,000,000.

The MVLWB Security Recommendations Summary of Costs that accompanied the draft Water License showed the approximate value of the work completed in 2007 as \$568,307, not including the cost of water treatment. The updated estimate includes capping of 204Q Stope, C-1 Shaft, and the Negus Ventilation Shaft, construction of an engineered drainage channel (spillway) between Upper and Middle Pud Tailing Containment Areas, and removal of the majority of Con Dock buildings, among other items. The work conducted on the capping projects has been approved by the WCSS Mine's Inspector, and the As-built Reports have been delivered to the MVLWB. The spillway, as well as the sites of buildings that were demolished, have been inspected on several occasions by the INAC Inspector. No issues were identified during these inspections.

Please advise the writer as soon as possible whether the Board approves the reduction of the Reclamation Security for the new Water License by \$1,031,564 for the reclamation work completed at the Con Mine, prior to the issuance of the new Water License. This would reduce to amount of the Reclamation Security required under the new Water License to \$14,468,436, effective July 31, 2008.

MNML cordially invites the members of the Mackenzie Valley Land and Water Board, its technical advisors, or other representatives, to tour the minesite and view the work that has been completed or is ongoing. Should you require additional information, please contact the writer by telephone at 766-5317, or by e-mail at the following address: rconnell@miramarmining.com

Sincerely,

A handwritten signature in blue ink, appearing to read "R. Connell", is written above a horizontal line.

Ron Connell,
Manager, Environmental & Reclamation

Distribution:

Scott Stewart, Indian and Northern Affairs Canada
Scott Stringer, General Manager – Miramar Northern Operations
Michael Meyer, Director ESR – Newmont Mining Corporation
Bill Lyle, Director, Reclamation and Closure – Newmont Mining Corporation

Miramar Northern Mining Ltd. - Con Mine

Cost Summary of Closure and Reclamation Work Completed to March 31, 2008

Project	Cost Estimate in Reclaim Model	Percent Complete March 31/08	Reclaim Model Value of Work Completed	Comments
C-1 Cap	\$ 135,000	80	\$ 108,000	As-built report submitted January 2008
Negus Cap	\$ 135,000	80	\$ 108,000	As-built report submitted March 2008
204Q Cap	\$ 135,000	95	\$ 128,250	As-built report submitted January 2008
Spillway	\$ 50,000	100	\$ 50,000	As-built report submitted June 2008
2007 MMER/EEM/AGI	\$ 157,000	100	\$ 157,000	All Final Reports submitted by March 31/2008
2007 Water Treatment	\$ 287,420	100	\$ 287,420	Treated 505,402 m ³ of Effluent. Complete Sep. 2007
		Subtotal	\$ 838,670	
Administration		Factor (%)		
Project Management		10 %	\$ 83,867	
Project Engineering		3 %	\$ 25,160	
Contingency		10 %	\$ 83,867	
		Total	\$ 1,031,564	
Summary				
Original Reclamation Security			\$ 15,500,000	
Less work completed			\$ (1,031,564)	
New Reclamation Security			\$ 14,468,436	Effective April 01, 2008

Notes

- Costs are taken from Reclaim Model 5.1 - Estimate Dated February 01/2008
- These costs do not reflect the actual costs of the work completed by MNML

Golder Associates Ltd.

500 - 4260 Still Creek Drive
Burnaby, British Columbia, Canada V5C 6C6
Telephone 604-296-4200
Fax 604-298-5253



June 27, 2008

E/08/1408
08-1427-0023

Miramar Northern Mining Ltd.
P. O. Box 2000
Yellowknife, NT
X1A 2M1

Attention: Mr. Ron Connell.
Manager, Environment and Reclamation

**RE: CON MINE RECLAMATION STATUS REPORT
TO MARCH 31 2008
CON MINE, YELLOWKNIFE, NT**

Dear Mr. Connell:

Golder Associates has reviewed your letter which sets out the tasks completed and started by Miramar Con Mine at the Con mine site to March 31, 2008. The list of engineering projects is consistent with our understanding of the effort by the mine and contractors on site as projects are completed that are part of the approved Closure Plan for the mine.

If you have any questions, please do not hesitate to call the undersigned.

Yours very truly,

GOLDER ASSOCIATES LTD.

A handwritten signature in blue ink, appearing to read "John A. Hull".

John A. Hull, P.Eng.
Principal

JAH/mrb

O:\Final\2008\1427\08-1427-0023\Let-0627_08 Miramar Northern Mining-Con Mine Reclamation Status Report To March 31_08.Doc



Golder Associates Ltd.

500 - 4260 Still Creek Drive
Burnaby, British Columbia, Canada V5C 6C6
Telephone 604-296-4200
Fax 604-298-5253



E/08/0336
07-1413-0076

February 13, 2008

Miramar Northern Mining Ltd.
P. O. Box 2000
Yellowknife, NT
X1A 2M1

Attention: Mr. Ron Connell.
Manager, Environmental and Reclamation

**RE: 204Q CAP 'AS-BUILT' DRAWING
CON MINE
YELLOWKNIFE, NT**

Dear Mr. Connell:

Golder Associates submit the 'As-Built' drawing for the 204Q concrete cap which was constructed as part of the Closure Project at the Con mine. The cap was poured in two sections in October, 2007. The concrete test results are attached.

The initial lift of backfill over the cap has been placed and final grading will be complete in June when the area can be re-seeded. A final inspection on the site contouring would be submitted at that time.

If you have any questions, please call.

Yours very truly,

GOLDER ASSOCIATES LTD

John A. Hull, P.Eng.
Principal



JAH/mrb
Attachments

O:\Final\2007\1413\07-1413-0076\204q Cap As-Built Drawing\Let-0213_08 Con Mine-204q Cap As-Built Drawing.Doc



EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: 2007 Testing Services
Yellowknife, NT
 Client: Golder Associates Ltd.
P.O. Box 1440
Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

INFORMATION FROM DELIVERY SLIP	
Supplier:	<u>Capital Transit Mix</u>
Truck No:	<u>17</u> Plant Dep: _____
Ticket No:	<u>23223</u> Mix No. _____
Load Amount:	<u>6</u> m ³ Cumulative: _____ m ³
Admixture:	Air <input checked="" type="checkbox"/> CaCl ₂ _____ Other _____
Specified Strength:	<u>30</u> MPa Spec Air: <u>5</u> %
Cement Type:	<u>50</u> Spec Slump: <u>100</u> mm
Max Aggregate Size:	_____ mm

Attention: _____
 Test Location: 204 Q Slope
Closure Cap
 Placing Method: Pump
 Test No: 5350

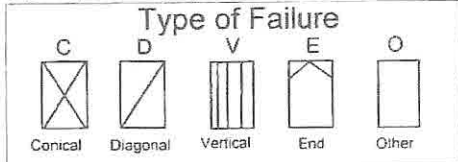
Test Time: 9:20 Unit Weight _____ kg/m³
 Temperature: Air -3 °C Concrete 15 °C
 Concrete Setting Temperature Within Specification
 Limits: (15 - 25C) Yes No If No see remarks
 Slump: 75 mm Air Content: 6.0 %
 Date Cast: 07 10 23 By: MB
 Date Received: 07 10 28 By: NR

Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5350-1	7	07 10 30	NR	25.2	C	Cylinder Mass = 3882 g
5350-2	28	07 11 20	NR	32.6	C	Cylinder Mass = 3902 g
5350-3	28	07 11 20	NR	31.5	C	Cylinder Mass = 3889 g
5350-4	14	07 11 06	NR	24.7	C	Cylinder Mass = 3867 g; Field Cure

Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds

- Super plasticizer added. 1 cylinder field cure and 3 lab cure.
* Due to technical problems some water was added on site,
samples taken after water added.

Reviewed By: _____ P.Eng.



cc
 File
 Capital Transit Mix; fax: (867) 669-9195
 Golder Associates Ltd.; fax: (867) 873-6379



EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: Con Mine Closure Cap
 Client: Golder Associates Ltd.
P.O. Box 1440
Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

INFORMATION FROM DELIVERY SLIP

Supplier: Capital Transit Mix
 Truck No: 22 Plant Dep: _____
 Ticket No: 23456 Mix No: _____
 Load Amount: 10 m³ Cumulative: _____ m³
 Admixture: Air CaCl₂ _____ Other W.R.; Winter Heat
 Specified Strength: 30 MPa Spec Air: 5 %
 Cement Type: 50 Spec Slump: 100 mm
 Max Aggregate Size: 20 mm

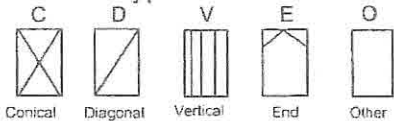
Attention: _____
 Test Location: 204 Q Stope
Closure Cap
West side
 Placing Method: Chute & Bucket
 Test No: 5354

Test Time: 9:00 Unit Weight _____ kg/m³
 Temperature: Air -3 °C Concrete 14 °C
 Concrete Setting Temperature Within Specification
 Limits: (15 - 25C) Yes No If No see remarks
 Slump: 80 mm Air Content: 5.5 %
 Date Cast: 07 10 31 By: MB
 Date Received: 07 11 02 By: NR

Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5354-1	7	07 11 07	NR	30.7	C	Cylinder Mass = 4032 g
5354-2	28	07 11 28	NR	39.8	C	Cylinder Mass = 4026 g
5354-3	28	07 11 28	NR	41.1	C	Cylinder Mass = 4040 g

Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds

Type of Failure



Reviewed By: _____

P.Eng.

cc

File

Capital Transit Mix; fax: (867) 669-9195
 Golder Associates Ltd.; fax: (867) 873-6379

Golder Associates Ltd.

500 - 4260 Still Creek Drive
Burnaby, British Columbia, Canada V5C 6C6
Telephone 604-296-4200
Fax 604-298-5253



E/08/0480
07-1413-0118

March 3, 2008

Miramar Northern Mining Ltd.
P. O. Box 2000
Yellowknife, NT
X1A 2M1

Attention: Mr. Ron Connell
Manager, Environmental and Reclamation

**RE: NEGUS AIR VENT 'AS-BUILT' DRAWING
CON MINE, YELLOWKNIFE, NT**

Dear Mr. Connell:


Golder Associates Ltd. submits the 'As-Built' drawing for the Negus Air Vent concrete cap which was constructed as part of the Closure effort at the Con mine. The cap was poured as one unit in December, 2007. The concrete test result is attached.

The concrete closure cap is complete but the connection to the surface and the fill for the final grading at the site will be complete in June when the area can be easily accessed. A final inspection report of the site work would be submitted at that time.

If you have any questions, please call.

Yours very truly,

GOLDER ASSOCIATES LTD.


John A. Hull, P.Eng.
Principal



Attachment

JAH/gs

0:\Final\2007\1413\07-1413-0118\Let-0303_08 Miramar Con Mine-Negus Air Vent As-built Drawing.doc



EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: Con Mine Concrete Testing Services

Client: Golder Associates Ltd.
 P.O. Box 1440
 Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

INFORMATION FROM DELIVERY SLIP

Supplier: Capital Transit Mix
 Truck No: 22 Plant Dep: _____
 Ticket No: 23647 Mix No: _____
 Load Amount: 10 m³ Cumulative: _____ m³
 Admixture: Air X CaCl₂ Other W.R.; Winter Heat
 Specified Strength: 30 MPa Spec Air: 5 %
 Cement Type: 50 Spec Slump: 100 mm
 Max Aggregate Size: 20 mm

Attention: _____

Test Location: _____

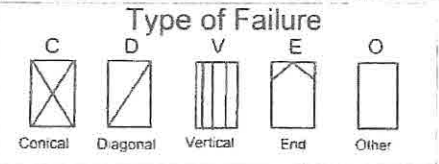
Placing Method: Chute & Bucket

Test No: 5403

Test Time: 12:00 Unit Weight: _____ kg/m³
 Temperature: Air -19 °C Concrete 14 °C
 Concrete Setting Temperature Within Specification
 Limits: (15 - 25C) Yes No If No see remarks
 Slump: 100 mm Air Content: 5.0 %
 Date Cast: 07 12 22 By: MB
 Date Received: 07 12 22 By: MB

Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5403-1	7	07 12 29	MB	28.0	C	Cylinder Mass = 4093 g
5403-2	28	08 01 19	NR	37.3	C	Cylinder Mass = 4085 g
5403-3	28	08 01 19	NR	39.0	C	Cylinder Mass = 4103 g

Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds
 - 4 bags of superplasticizer added on site; slump before addition
 was 65mm.



Reviewed By: _____

P. Eng.

cc
 File
 Capital Transit Mix; fax: (867) 669-9195
 jhull@golder.com
 RConnell@miramaryk.com



Golder Associates Ltd.

500 - 4260 Still Creek Drive
Burnaby, British Columbia, Canada V5C 6C6
Telephone 604-296-4200
Fax 604-298-5253



March 3, 2008

E/08/0480
07-1413-0118

Miramar Northern Mining Ltd.
P. O. Box 2000
Yellowknife, NT
X1A 2M1

Attention: Mr. Ron Connell
Manager, Environmental and Reclamation

**RE: NEGUS AIR VENT 'AS-BUILT' DRAWING
CON MINE, YELLOWKNIFE, NT**

Dear Mr. Connell:

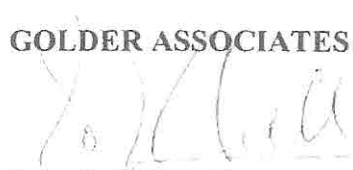
Golder Associates Ltd. submits the 'As-Built' drawing for the Negus Air Vent concrete cap which was constructed as part of the Closure effort at the Con mine. The cap was poured as one unit in December, 2007. The concrete test result is attached.

The concrete closure cap is complete but the connection to the surface and the fill for the final grading at the site will be complete in June when the area can be easily accessed. A final inspection report of the site work would be submitted at that time.

If you have any questions, please call.

Yours very truly,

GOLDER ASSOCIATES LTD.


John A. Hull, P.Eng.
Principal



Attachment

JAH/gs

O:\Final\2007\1413\07-1413-0118\Let-0303_08 Miramar Con Mine-Negus Air Vent As-built Drawing.doc



EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: Con Mine Concrete Testing Services

Client: Golder Associates Ltd.
 P.O. Box 1440
 Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

INFORMATION FROM DELIVERY SLIP

Supplier: Capital Transit Mix
 Truck No: 22 Plant Dep: _____
 Ticket No: 23647 Mix No: _____
 Load Amount: 10 m³ Cumulative: _____ m³
 Admixture: Air X CaCl₂ Other W.R.; Winter Heat
 Specified Strength: 30 MPa Spec Air: 5 %
 Cement Type: 50 Spec Slump: 100 mm
 Max Aggregate Size: 20 mm

Attention: _____

Test Location: _____

Test Time: 12:00 Unit Weight _____ kg/m³

Temperature: Air -19 °C Concrete 14 °C

Concrete Setting Temperature Within Specification
 Limits: (15 - 25C) Yes No If No see remarks

Slump: 100 mm Air Content: 5.0 %

Placing Method: Chute & Bucket

Date Cast: 07 12 22 By: MB

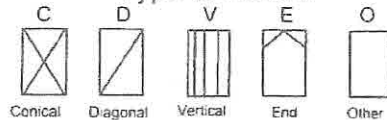
Test No: 5403

Date Received: 07 12 22 By: MB

Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5403-1	7	07 12 29	MB	28.0	C	Cylinder Mass = 4093 g
5403-2	28	08 01 19	NR	37.3	C	Cylinder Mass = 4085 g
5403-3	28	08 01 19	NR	39.0	C	Cylinder Mass = 4103 g

Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds
 - 4 bags of superplasticizer added on site; slump before addition
 was 65mm.

Type of Failure



Reviewed By: _____

P.Eng. _____

cc
 File
 Capital Transit Mix; fax: (867) 669-9195
 jhull@golder.com
 RConnell@miramaryk.com





June 13, 2008

E/08/1303
08-1427-0002

Miramar Northern Mining Ltd.
P. O. Box 2000
Yellowknife, NT X1A 2M1

Attention: Mr. Ron Connell
Manager, Environmental and Reclamation

**RE: C-1 CAP 'AS-BUILT' DRAWING
CON MINE, YELLOWKNIFE, NT**

Dear Mr. Connell:

Golder Associates Ltd. submit the 'As-Built' drawings for the C-1 shaft concrete cap which was constructed as part of the Closure Project at the Con Mine. The cap was poured in February, 2008. The concrete test result is attached.

The backfill that is to be placed over the cap has not been placed and will place once the C-1 headframe is removed. The final grading and surface concrete cap will be complete at that time. A final inspection report on the site would be submitted at that time.

If you have any questions, please call.

Yours very truly,

GOLDER ASSOCIATES LTD.

ORIGINAL SIGNED BY

John A. Hull, P.Eng.
Principal

JAH/rs
Attachments

c:\final\2008\1427\08-1427-0002 c-1 shaft miramar\let-0613_09 con mine-c-1 cap as-built drawing\let-0613_08 con mine-c-1 cap as-built drawing.doc



Golder Associates Ltd.
500 - 4260 Still Creek Drive, Burnaby, British Columbia Canada V5C 6C6
Tel (604) 296 4200 Fax (604) 296 5253 www.golder.com

Document disclosed pursuant to the Access to Information Act / Document divulgué en vertu de la Loi sur l'accès à l'information

EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: 2008 Testing Services
Yellowknife, NT
 Client: Golder Associates Ltd.
P.O. Box 1440
Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

INFORMATION FROM DELIVERY SLIP	
Supplier:	<u>Capital Transit Mix</u>
Truck No:	<u>22</u> Plant Dep: _____
Ticket No:	<u>23807</u> Mix No. _____
Load Amount:	<u>6</u> m ³ Cumulative: _____ m ³
Admixture: Air	<input checked="" type="checkbox"/> CaCl ₂ _____ Other _____
Specified Strength:	<u>30</u> MPa Spec Air: <u>4-7</u> %
Cement Type:	<u>HS</u> Spec Slump: <u>75+/-25</u> mm
Max Aggregate Size:	<u>20</u> mm

Attention: _____
 Test Location: C-1 Shaft at Con Mine

Test Time:	<u>9:30</u>	Unit Weight	_____ kg/m ³
Temperature: Air	<u>-20</u> °C	Concrete	<u>5</u> °C
Concrete Setting	Temperature	Within	Specification
Limits: (15 - 25C)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	If No see remarks
Slump:	<u>120</u> mm	Air Content:	<u>39540.0</u> %






Placing Method: Wheel-loader Bucket
 Test No: 5422

Date Cast:	<u>08 02 26</u>	By:	<u>PP</u>
Date Received:	<u>08 02 28</u>	By:	<u>NR</u>

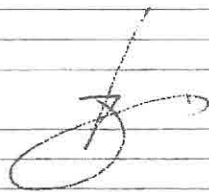
Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5422-1	7	08 03 04	NR	23.6	C	Cylinder Mass = 3992 g
5422-2	28	08 03 25	NR	31.0	C	Cylinder Mass = 3976 g
5422-3	28	08 03 25	NR	31.8	C	Cylinder Mass = 4012 g

Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds
Concrete was poured into buckets of tire-loader and poured in
chute with long tube

Type of Failure

				
Conical	Diagonal	Vertical	End	Other

Reviewed By: _____ P.Eng.



cc
 File
 Capital Transit Mix; fax: (867) 669-9195
 Golder Associates Ltd.; fax: (867) 873-6379
 RConnell@miramaryk.com
 jhull@golder.com



EBA Engineering Consultants Ltd.

CONCRETE STRENGTH TEST RESULTS

CSA Specification CAN3 - A23.2

Project No: 1780159
 Project: 2008 Testing Services
Yellowknife, NT
 Client: Golder Associates Ltd.
P.O. Box 1440
Yellowknife, NT X1A 2P1
 Fax: (867) 873-6379

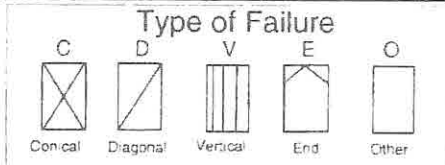
INFORMATION FROM DELIVERY SLIP	
Supplier:	<u>Capital Transit Mix</u>
Truck No:	<u>22</u> Plant Dep: _____
Ticket No:	<u>23807</u> Mix No: _____
Load Amount:	<u>6</u> m ³ Cumulative: _____ m ³
Admixture:	Air <input checked="" type="checkbox"/> CaCl ₂ _____ Other _____
Specified Strength:	<u>30</u> MPa Spec Air: <u>4-7</u> %
Cement Type:	<u>HS</u> Spec Slump: <u>75+/-25</u> mm
Max Aggregate Size:	<u>20</u> mm

Attention: _____
 Test Location: C-1 Shaft at Con Mine

Test Time: 9:30 Unit Weight: _____ kg/m³
 Temperature: Air -20 °C Concrete 5 °C
 Concrete Setting Temperature Within Specification
 Limits: (15 - 25C) Yes No If No see remarks
 Slump: 120 mm Air Content: 39540.0 %
 Placing Method: Wheel-loader Bucket Date Cast: 08 02 26 By: PP
 Test No: 5422 Date Received: 08 02 28 By: NR

Cylinder Number	Age Days	Test Date	Test By	Comp. Strength MPa	Type of Failure	Comments
5422-1	7	08 03 04	NR	23.6	C	Cylinder Mass = 3992 g
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Remarks: 3 - 100 mm x 200 mm cylinders cast in plastic molds
Concrete was poured into buckets of tire-loader and poured in
chute with long tube



Reviewed By: _____ P.Eng.

cc
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 Golder Associates Ltd.; fax: (867) 873-6379
 RConnell@miramaryk.com
 jhull@golder.com



NOTES:

- GENERAL**
- THE DESIGN DRAWING IS INTENDED FOR USE UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER.
 - COMPLETENESS OF THE DRAWING IS THE RESPONSIBILITY OF THE ENGINEER PRIOR TO CONSTRUCTION.
 - ALL LOOSE ROCK SHALL BE REMOVED FROM THE ROCK FACE.
 - REINFORCEMENT SHALL BE PLACED AS SHOWN AND SHALL BE CONFORMANT WITH CAN/CSA A23.3.
 - VIBRATE ALL CONCRETE USING VIBRATORS OR OTHER SUITABLE MEANS, ENSURING THE PLACING OPERATOR IS AROUND THE ENTIRE PERIMETER AND AROUND THE REINFORCEMENT.
 - SMART CAP SHALL NOT BE USED UNLESS THE 75% DRY CONCRETE STRENGTH HAS BEEN VERIFIED BY FIELD CURVED CUMBER TEST IN ACCORDANCE WITH CAN/CSA A23.2.

- DESIGN SPECIFICATIONS**
- DESIGN LOADS: LIVE LOAD = SATURATED SOIL COVER AT 20 kN/m² MINIMUM. DEAD LOAD = WEIGHT OF CAP. APPROVED BY GEOTECHNICAL ENGINEER.
 - CONCRETE SHALL BE GRADER & CURED IN SOUND ROCK.
 - CONCRETE CAP DESIGN AS PER CAN/CSA A23.3.

- CONCRETE AND REINFORCEMENT**
- CONCRETE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - MIN. 28-DAY STRENGTH: 30 MPa (4.5 ksi)
 - MIN. SLUMP: 75 mm (3 in.)
 - MIN. AIR CONTENT: 5.0% (MAX. 7.0%)
 - MIN. WATER/CEMENT RATIO: 0.45
 - CEMENT TYPE: TYPE I (SUPERPLASTICIZER)

- REINFORCEMENT**
- REINFORCEMENT SHALL BE SECURELY PLACED USING CHAIRS OR SPACERS. REINFORCING BARS TOGETHER SHALL BE TIED TOGETHER.
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- INSPECTION AND TESTING**
- TEST CONCRETE FOR STRENGTH AT 7-DAY STRENGTH AT RANDOM DURING OPERATIONS. AT LEAST THREE (3) TESTS TO BE MADE AT EACH STAGE OF CONSTRUCTION.
 - TEST CONCRETE FOR STRENGTH AT 28-DAY STRENGTH AT RANDOM DURING OPERATIONS. AT LEAST THREE (3) TESTS TO BE MADE AT EACH STAGE OF CONSTRUCTION.
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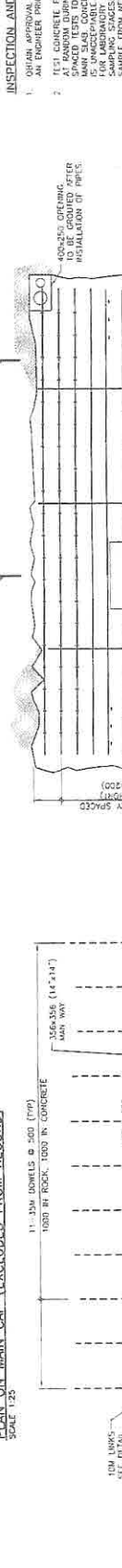
- PROCEDURE**
- INSTALL ROCK DOWELS.
 - CLEAN ROCK FACE FROM DIRT, GRUB, AND CAST CONCRETE.
 - FIX REINBAR, GET ENGINEER'S APPROVAL AND CAST CONCRETE.
 - INSPECT FORMING CHECK FOR STABILITY AND SAFETY BEFORE CASTING CONCRETE. THE FLOOR, HOISTY ENGINEER & GEOTECHNICAL ENGINEER, SHOULD NOT SIGN OFF INSTABILITY CHECK.
 - CAST CONCRETE IN CONTINUOUS OPERATION.
 - REPORT CONCRETE TEST RESULTS TO ENGINEER. CONCRETE STRENGTH TO BE JUMP AT THE TOP OF BACKFILL.

- REBAR LEGEND**
- | | | | | |
|-----|----|-----------------------|----|----------------|
| BAR | A | REINBAR BAR REFERENCE | LG | LONG |
| | AD | ADDITIONAL | MD | MIDDLE |
| | BD | BOTTOM LOWER LAYER | OD | OUTER FACE |
| | BU | BOTTOM UPPER LAYER | OL | OUTSIDE LAYER |
| | CD | CONCRETE DOWEL | SD | STANDARD |
| | ED | EACH FACE | TD | TOP AND BOTTOM |
| | FD | FLOOR FACE | UD | UPPER LAYER |
| | GD | GRID FACE | VD | VERTICAL |
| | HD | HORIZONTAL | | |

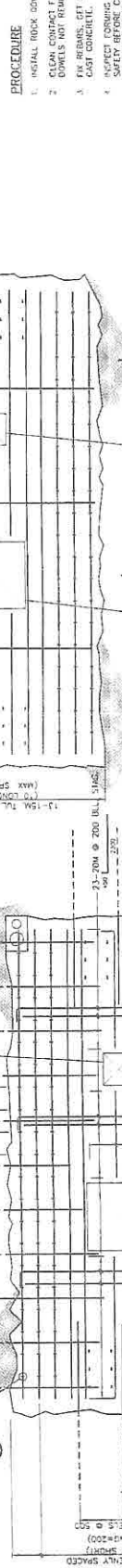
PLAN ON MAIN CAP (EXCLUDED FROM RECORD) SCALE: 1:25



TOP REBAR LAYOUT - MAIN CAP SCALE: 1:25



BOTTOM REBAR LAYOUT - MAIN CAP SCALE: 1:25



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	2008/07/16	CEB	RECORD DRAWING
2	2008/07/24	CEB	UPDATE DETAILS & DIMENSIONS REVISED
3	2008/07/27	CEB	REBAR SIZE & LAYOUT ADDED
4	2008/07/27	CEB	MAN WAY SIZE & VENT SHIRT ADDED
5	2008/07/16	CEB	REBAR FOR DIMENSION
6	2008/07/16	CEB	REBAR FOR DIMENSION

VERIFICATION SCALES

BAR IS 20mm ON ORIGINAL DRAWING

SCALE: 1:25

RECORD DRAWING

RECORDED DRAWING BASED ON INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER HAS CONDUCTED VISUAL INSPECTION AND VERIFICATION OF THE DRAWING AND REBAR LAYOUT. PHOTOGRAPHING AND RECORDS.

ASSOCIATED ENGINEERING

REGISTERED PROFESSIONAL ENGINEER

PERMIT NUMBER P 049

ASSOCIATES LTD.

MIRAMAR CON MINE LTD.

SHAFT C-1

CLOSURE CAPS

DRAWING NUMBER 072084-200-301

REV. NO. 5

SHEET

PERMIT TO PRACTICE

ASSOCIATED PROFESSIONAL ENGINEERS (A.P.E.) LTD.

PERMIT NUMBER P 049

JUN - 5 2008

The Association of Professional Engineers, Geologists and Geophysicists of NW/TNU

REVISIONS

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