



NIRB File No.: 05MN047

November 14, 2007

Terri L. Maloof  
Manager-Environmental  
Auditing & Permitting  
Miramar Hope Bay Ltd.  
300 - 889 Harbourside Drive  
North Vancouver, B.C.  
Canada V7P 3S1

&

Doris North Distribution List

**Re: Doris North Gold Mine Project Certificate NIRB (No.: 003) – Draft Appendix D**

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Dear Ms. Maloof and the Doris North Distribution List:

In accordance with the Doris North Gold Mine Project Certificate, the Board has prepared the draft Appendix D – The Doris North Gold Mine Monitoring Program (attached). This draft Appendix D is consistent with the project monitoring framework that is now in use by NIRB for large development projects, and its intent is to streamline and clarify the requirements with respect to project monitoring.

However, should Miramar Hope Bay Limited or any party on the Doris North distribution list have significant concerns or comments regarding the draft Appendix D, please forward same to NIRB's Manager, Environmental Administration Leslie Payette at [lpayette@nirb.nunavut.ca](mailto:lpayette@nirb.nunavut.ca) or contact NIRB's Executive Director Stephanie Autut at 867-983-4603 or [sautut@nirb.nunavut.ca](mailto:sautut@nirb.nunavut.ca) by November 20, 2007. Following receipt of comments by Parties, it is the Board's intention to issue the final version of Appendix D.

Sincerely,

*[original signed by]*

Stephanie Autut  
Executive Director

Attachment: Appendix D – The Doris North Gold Mine Monitoring Program

## **Doris North Gold Mine Monitoring Program**

In accordance with the Project Certificate (No. 003), issued to Miramar Hope Bay Limited (MHBL) on September 15, 2006, this Appendix is to provide direction to MHBL, NIRB's Monitoring Officer, and Government regarding the Monitoring Program established pursuant to Section 12.7 of the Nunavut Land Claims Agreement.

The purpose of the Monitoring Program shall be:

- (a) To measure the relevant effects of projects on the ecosystemic and socioeconomic environments of the Nunavut Settlement Area;
- (b) To determine whether and to what extent the land or resource use in question is carried out within the predetermined terms and conditions;
- (c) To provide the information base necessary for agencies to enforce terms and conditions of land or resource use approvals; and
- (d) To assess the accuracy of predictions contained in the project impact statement.

### **MHBL responsibilities related to this Monitoring Program:**

1. Ensure that a comprehensive post-environmental assessment monitoring program (PEAMP) is developed for the project, in accordance with commitments made in the Final Environmental Impact Statement (FEIS) and/or the Final Hearing. The objective of the PEAMP shall be to:
  - a. Measure the relevant effects of the project on the ecosystemic and socioeconomic environment
  - b. Assess the accuracy of the predictions made within the FEIS.

The PEAMP must utilize, to the extent possible, the various monitoring plans developed by MHBL, as described in the FEIS, Final Hearing, and this Project Certificate as well as all monitoring plans required by applicable Authorizing Agencies.

As part of the PEAMP, MHBL is required to forward to NIRB all monitoring and mitigation plans upon completion or as amended or updated.

These include, but are not limited to:

1. The Environmental, Health and Safety Management Plan, comprising of:
  - a. Wildlife Mitigation and Monitoring Plan
  - b. Environmental Protection Plan
  - c. Emergency Response and Spill Contingency Plan
  - d. Occupational Health and Safety Plan
  - e. Reclamation Plan
  - f. Education and Orientation Plan
  - g. Human Resources Plan
  - h. Inuit Involvement Plan
  - i. Community Relations Plan
  - j. Monitoring and Follow-up Plan
  - k. Auditing and Continuous Improvement Plan
2. Noise Abatement Plan
3. All Compliance Monitoring Plans or Programs, such as those associated with:
  - a. *Metal Mining Effluents Regulations* and associated Listing of the Tailings Facility
  - b. *Fisheries Act* and associated Authorizations
  - c. Nunavut Water Board Class A License

2. Submit an annual report to NIRB by April 30<sup>th</sup> of each year the project is in operation until the post-closure phase. The report must contain, but is not limited to, the following information:
  - a. A summary of evidence indicating how MHBL has carried out the project in relation to the terms and conditions contained within the Project Certificate.
  - b. A summary of the results from the PEAMP including:
    - i. An analysis regarding whether or not the project is operating in accordance with the predicted impacts identified in the FEIS or at the Final Hearing. This analysis should include:
      - a) All relevant data (baseline and monitoring) to support impact predictions and effects conclusions
      - b) An analysis of the effectiveness of mitigation measures and discussion regarding any necessary adaptive mitigation strategies employed
      - c) Explicit conclusions related to whether or not the project is operating in accordance with the predicted impacts identified in the FEIS or at the Final Hearing.
    - ii. An analysis of the impact of the project upon the biophysical and socioeconomic environment
    - iii. Any modifications made to the PEAMP
  - c. Compliance status with all authorizations and applicable regulations and guidelines associated with the project;
  - d. Identification of all authorizations obtained to date for the project, including any requested renewals, updates, amendments or extensions to existing authorizations;
  - e. A summary of activities undertaken for the year, including any progressive reclamation work undertaken, and a work plan for the activities occurring in the following year – site photos should be provided where relevant;
  - f. A summary of community consultations undertaken and the results; and
  - g. A summary of site-visits by inspectors with results and follow-up actions.
3. Report to NIRB by January 1 of each calendar year on MHBL's development plan for future phases of the Hope Bay Belt, including identifying development plans that may affect the selection of Tail Lake as the preferred alternative for tailings management.
4. Commencing July 30<sup>th</sup>, report to NIRB on a quarterly basis (July 30<sup>th</sup>, October 30<sup>th</sup>, January 30<sup>th</sup>, and December 30<sup>th</sup>) as per condition 25. The fourth quarter report must be comprised of an Updated Wildlife Mitigation and Monitoring Plan, and this is to be included in the Annual Report.
5. Forward to NIRB copies of all authorizations obtained and required for the project on an as-received basis.

**NIRB Monitoring Officer's responsibilities related to this Monitoring Program:**

1. Advise MHBL of the obligation to prepare and submit an annual report, due April 30<sup>th</sup> of each calendar year.
2. Obtain, compile and review information collected and submitted by MHBL and applicable Authorizing Agencies and expert Departments.
3. Report annually to the Board with respect to the Monitoring Program as per Section 12.7.3(c) of the NLCA.
4. Provide recommendations to the Board on follow-up action related to the Monitoring Program.
5. Ensure that any recommendations made by the Board regarding the Monitoring Program are provided to MHBL in a timely manner.

**Authorizing Agencies' (Government) responsibilities related to this Monitoring Program:**

1. Provide any compliance monitoring reports to NIRB's Monitoring Officer by April 30<sup>th</sup> of each year. Any compliance monitoring report must contain, but is not limited to, the following information:
  - a. How each Authorizing Agency has incorporated the terms and conditions from the Project Certificate into their authorizations;
  - b. Whether any inspections have been conducted, and the results of those inspections; and
  - c. Whether MHL is in compliance with any authorizations that have been issued.