



## Appendix D

# Meadowbank Monitoring Program

## **A. Introduction**

In accordance with the Project Certificate issued by the NIRB on December 30, 2006 for the Meadowbank Gold Mine Project, this Appendix is designed to provide direction to Agnico-Eagle Mines Ltd (the Proponent), the NIRB's Monitoring Officer, Government departments and authorizing agencies with regard to the monitoring program established for the project pursuant to Section 12.7 of the Nunavut Land Claims Agreement (NLCA).

The purpose of the monitoring program shall be:

- (a) To measure the relevant effects of the project on the ecosystemic and socioeconomic environments of the Nunavut Settlement Area;
- (b) To determine whether and to what extent the project 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 within the Final Environmental Impact Statement (FEIS) for the project.

## **B. Proponent Responsibilities**

1. Implement a comprehensive post-environmental assessment monitoring program (PEAMP) for the project, in accordance with commitments made within the Final Environmental Impact Statement (FEIS), during the Final Hearing and as required throughout the Project Certificate. The PEAMP should be designed to work as an instrument of the Proponent's overall monitoring efforts, and should provide feedback to the NIRB and other agencies regarding ongoing project monitoring. The objectives of the PEAMP shall be to:
  - a. Measure the relevant effects of the project on the ecosystemic and socioeconomic environment(s). These effects may be measured through biophysical and socioeconomic monitoring programs undertaken by the Proponent or by other means as described in the Project Certificate;
  - b. Assess the accuracy of the predictions made within the FEIS;
  - c. Evaluate the effectiveness of project monitoring procedures and plans;
  - d. Identify impacts requiring additional mitigation or adaptive management; and
  - e. Provide relevant data and information to support regional monitoring initiatives where feasible.

The PEAMP must utilize, to the extent possible, the monitoring plans and programs as described in the FEIS, during the Final Hearing, and throughout the Project Certificate as well as all monitoring plans and/or reporting required by relevant authorizing agencies. Where applicable, any additional monitoring plans developed by the Proponent should be integrated within the PEAMP.

As part of the PEAMP, the Proponent is required to ensure that the NIRB is provided with up to date copies of all monitoring and mitigation plans for the project as such plans are developed, revised, amended or updated over the life of the project.

2. Submit an annual report to the NIRB at an agreed upon time each year until operations cease and the project site is fully reclaimed. The purpose of the annual report shall be to provide the NIRB and other parties with an update regarding the status of project operations, an overview of the site and its operations during the reporting period, as well as to provide a discussion of the observations made as a result of, or illustrated through, the monitoring program. The report is expected to contain the following information:
  - a. A discussion of how the Proponent has carried out the project in accordance with the terms and conditions of the Project Certificate during the reporting period. Instances where full compliance has not been achieved should be identified and explained using supporting rationale and suggestions for the resolution of outstanding issues.
  - b. A summary of the results from the PEAMP including an analysis of the project's impact to the environment with reference to the predictions and environmental and socioeconomic indicators used throughout the FEIS and Final Hearing, to be clearly cross-referenced to facilitate the reviewers' ability to locate such referenced information. This analysis should include:
    - i. Reference to baseline and monitoring data used to support impact predictions and effects conclusions, with a discussion of data collection and analysis methodologies employed;
    - ii. An evaluation of the effectiveness of any mitigation measures undertaken and, where relevant, a discussion of any exceeded thresholds, adaptive mitigation strategies employed and their effectiveness.
  - c. A comprehensive listing of all authorizations required for the project. This listing should also identify the status of all authorizations (i.e. application in progress, received, expired), the date of issue and date of expiry, and any requested renewals, updates, amendments or extensions to these authorizations;
  - d. A discussion of the compliance status of the project with respect to all authorizations and applicable regulations and guidelines, including responses to recommendations or direction issued by the NIRB or other agencies;
  - e. A summary of activities undertaken for the year, including any progressive reclamation work undertaken, and a work plan outlining activities anticipated to occur during the following year; site photos should be provided where useful for illustrative purposes;
  - f. A summary of public/community consultations undertaken and related results or implications for the project;
  - g. A listing of site-visits undertaken by federal, territorial, or other inspectors with a corresponding discussion of findings and follow-up actions; and,
  - h. Any other information required as outlined within the Project Certificate terms and conditions. [*Note: Conditions 4, 8, 15, 19, 23, 29, 32, 39, 40, 45, 56, 62, 63, 64, 67, 71,*

*72, 75, 76, 80, and 82 of the Project Certificate require the submission of some type of information to the NIRB.]*

3. Forward copies of all authorizations obtained for the project to the NIRB on an as-received basis.

### **C. NIRB Monitoring Officer's Responsibilities**

1. Fulfill responsibilities as outlined in the Project Certificate (Condition 2).
2. Advise the Proponent of its obligation to prepare and submit an annual report, due at an agreed upon date time each calendar year.
3. Review and distribute information collected and submitted by the Proponent and authorizing agencies.
4. Report at least annually to the Board with respect to the monitoring program as per Section 12.7.3(c) of the NLCA.
5. Provide the Proponent with any recommendations or direction issued by the Board regarding the monitoring program in a timely fashion.

### **D. Authorizing Agencies' and Government Responsibilities**

1. Provide any compliance monitoring and/or site inspection reports to the NIRB's Monitoring Officer annually at an agreed-upon time. These reports should contain the following information:
  - a. How the authorizing agency has incorporated the terms and conditions from the Project Certificate into their permits, certificates, licences or other government approvals, where applicable;
  - b. A summary of any inspections conducted, and the results of these inspections; and
  - c. A summary of AEM's compliance status with regard to authorizations that have been issued for the Project.