



Independent Environmental Monitoring Agency – 2018-19

Communications Responsibilities and Plans for Community Meetings

Environmental Agreement Implementation Meeting

June 5, 2019

Jaida Ohokannoak, Chair

Agency Communication Responsibilities

ENVIRONMENTAL AGREEMENT

Purpose

- Provide advice and input to Dominion Diamond Mines ULC (Dominion Diamond)
- Coordinate monitoring
- Facilitate participation of Aboriginal Peoples and the general public

Agency Mandate

- Public Watchdog
- Participate as an intervenor
- Effective communication with Aboriginal Peoples and the general public
- Bring concerns of Aboriginal Peoples and public to Dominion Diamond and governments



Agency Communications Responsibilities

ENVIRONMENTAL AGREEMENT

Reporting and Accountability

- Report annually
- Submit other reports and correspondence on findings and recommendations to Dominion Diamond and government
- Dominion Diamond and government to give full and serious consideration to our reports and recommendations in writing



Communication Responsibilities

RESOLUTION AGREEMENT

Environmental Agreement Implementation Meetings

January

- Agency's current and proposed work plan and budget
- Dominion Diamond's environmental management programs and operations for coming year
- Agency's findings, recommendations, reports and overview of the monitoring program costs
- Reconciliation of the drawdown on the separate fund for interventions
- Meeting requirement was cancelled and responsibilities deferred to Agency March Board meeting (confirmed at June 6, 2017 Implementation Meeting)

June

- Dominion Diamond and Agency on the status of their communication responsibilities
- Plans to meet with communities
- Opportunities to coordinate participants' engagement with communities
- Review and discussion of the preliminary content of the Agency's annual report

Communication Responsibilities

Society By-laws

- Board of Directors responsible for conducting the affairs of the Society
- Minutes to be kept of all Board meetings and made available
- Annual General Meeting of the Society Members and special meetings

Communications Protocol

- Agency expects the EA parties to provide copies of all final information (including data, studies, reports, and other material) they generate for another party, or the public, which relates to the Environmental Agreement and the Agency's mandate
- Agency shall place all written material from the parties on the public registry unless requested to do otherwise, and the Agency consents



Agency Activities 2017-18

Date and Location	Purpose	Main Issues
April 24-26, 2018 <i>Yellowknife, NT</i>	Slave Geological Province Regional Wildlife Monitoring Workshop	Hosted by GNWT's ENR – Wildlife Division, Marc Casas, Kim Poole, and Ron Allen attended this workshop. The workshop is part of a series of on-going workshops held annually or bi-annually since 2009 to discuss and set objectives for wildlife monitoring conducted primarily by the diamond mines and government. The focus is typically on sharing results of monitoring activities, harmonizing monitoring objectives and the development of monitoring protocols.
May 1-3, 2018 <i>Yellowknife, NT</i>	Annual Report Writing Session	Directors and staff gathered to review assigned chapters and discuss the content of our 2018-2019 Annual Report.
September 18, 2018 <i>Ekati Diamond Mine</i>	Site Visit to Ekati	Annual site visit to the mine site. Itinerary had to be prioritized, as the visit was reduced to a day trip. See " <i>Activities 2018-2019</i> " section for more details.
September 19-20, 2018 <i>Yellowknife, NT</i>	Agency Board Meeting	Following our annual Ekati site visit, the Agency held its 101 st board meeting.
December 4-5, 2018 <i>Yellowknife, NT</i>	Agency Board Meeting	Leading up to the Annual General Meeting, the Agency held its 102 nd board meeting.
December 5, 2018 <i>Yellowknife, NT</i>	Annual General Meeting	Quorum not met for motions or votes – deferred to Special Meeting of Society Members. Directors were acclaimed in their executive roles.
December 13, 2018 <i>Yellowknife, NT & conference call</i>	Special Meeting of Society Members	Quorum met – required motions made and moved.

Agency Activities 2017-18 continued

Date and Location	Purpose	Main Issues
January 8, 2019 <i>Whatì, NT</i>	Whatì ICRP Info Session	34 people attended the session at the Community Hall in Whatì.
January 10, 2019 <i>Yellowknife, NT</i>	Informal ICRP Discussion with NSMA	Regulatory Analysts with the North Slave Metis Association met with IEMA staff to discuss Version 3.0 of the ICRP.
January 10, 2019 <i>Dettah, NT</i>	Dettah ICRP Info Session	15 people attended the session held at Chief Drygeese Centre in Dettah.
January 14, 2019 <i>Behchokò, NT</i>	Behchokò ICRP Info Session	IEMA welcomed 33 attendees to the Community Hall in Behchokò.
January 22-23, 2019 <i>Yellowknife, NT</i>	Ekati Interim Closure and Reclamation Plan – Version 3.0 Technical Workshop	This workshop was designed through the WLWB's hope that an open and collaborative discussion would increase each party's understanding of the issues and the perspectives of others as parties prepared to submit comments and responses on Version 3.0 of the ICRP.
January 28, 2019 <i>Kugluktuk, NU</i>	Kugluktuk ICRP Info Session	
February 5, 2019 <i>Łutsel K'e, NT</i>	Łutsel K'e ICRP Info Session	30 people attended the session at the Community Hall in Łutsel K'e.
February 15, 2019 <i>Yellowknife, NT</i>	Requested Meeting with Tlicho Reps	Follow up from the ICRP Community Info Sessions
March 5-6, 2019 <i>Yellowknife, NT</i>	Agency Board Meeting	The 103 rd board meeting was held in Yellowknife. The board discussed the upcoming annual report writing session.

Communications for 2018-19

- July 2018: Distributed agency's newsletter *The Ekati Monitor*
- July and August 2018: Posted on website and distributed 2017-18 Agency Annual Report, including Plain Language version and summary brochure.
- September 2018: Agency Board Meeting and site visit.
- December 2018: Agency Annual General Meeting
- January-February 2019: Community Information Sessions (for Interim Closure & Reclamation Plan V 3.0)
 - Whatì, Łutsel K'e, Behchokò, Dettah, and Kugluktuk, NU
 - Created outreach materials to illustrate components of the ICRP

An example of one of 7 informative posters created for the ICRP Community Info Sessions to demonstrate concepts and components of the Plan.

Ekati Mine Interim Closure & Reclamation - Open Pits: Types of Closed Pits

Definitions:

Meromictic Lakes/Meromixis - If a lake is "meromictic" it usually means that the water at the bottom of the lake contains dissolved salt. This means there is a difference in density between the water at the top and bottom. The water in this type of lake generally does not mix. The effect may be increased by the size, shape, and orientation of the basin of the lake. For example, a deep hole in a shallow basin, or a lake that is not exposed to wind will be more likely to remain unmixed.

Holomictic Lakes - Lakes that have stratified layers of different temperatures of water that mix, usually twice a year with seasonal temperature changes. Most lakes are holomictic.

Closed Pits - Processed Kimberlite Fill

Some of the pits at the Ekati site will be filled with processed kimberlite before being capped off with water. This will result in relatively shallow lakes that should be mostly holomictic.

The pits that are slated for processed kimberlite fill before a cap of water are:

- Beartooth
- Panda
- Koala
- Koala North

What processed kimberlite slurry looks like at the Ekati mine site.

Closed Pits - Mine Water & Fresh Water Fill

Water entering the pits will be pumped in from nearby lakes, as well as from snow melt, rain, drainage from pit walls and waste rock piles. This makes water quality and the chance of meromixis forming difficult to predict.

The pits that are to be filled with water only are:

- Fox
- Jay (if opened)
- Miaryi
- Lam
- Pigeon
- Sabie

Lakes that are particularly deep, as the water-filled pits will be, tend to settle into layers that never or rarely mix. It is thought that the brine or dissolved solids will settle to the bottom and remain there, leaving the water on surface relatively clean.

Typical Holomictic Lake Cycle

Holomictic lakes tend to mix or "turn over" twice a year as temperatures fluctuate between seasons. As denser, cooler water warms, it rises. Wind also plays a role in the mixing cycle.

Winter: Ice, Wind, Spring: Ice melting, Summer: Wind, Autumn: Wind

Independent Environmental Monitoring Agency
PUBLIC WORKS OF SKATI (EKATI) MINE

IEMA Info Session: Ekati Mine Closure & Reclamation Plan

Thursday, January 10, 2019 - 6pm
Chief Drygeese Conference Centre
Dettah, NT

The Independent Environmental Monitoring Agency invites you to an info session about Ekati's draft Interim Closure & Reclamation Plan (ICRP), Version 3.0.

~ Door prizes, and supper will be provided. ~

Important Dates for ICRP V. 3.0:

- January 22-23, 2019 - Technical Workshop (Yellowknife)
- February 21, 2019 - Comments Due to the Wek'èezhii Land & Water Board

Questions? Want more information? Give us a call at 867-669-9141, or e-mail us at monitor2@monitoringagency.net

Questions ?



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