

Annual General Meeting

Independent Environmental Monitoring Agency

DECEMBER 4, 2024

The Board

KITIKMEOT INUIT ASSOCIATION
APPOINTED **JAYKO PALONGAYAK**

NO STAFF CHANGES, BUT
COMMUNICATIONS SPECIALIST
ON MATERNITY LEAVE



Ron Allen, Bill Slater, Marc Casas,, Kim Poole, Emery Paquin, Jesse Jasper,
Tim Byers and Jamie Mistry

A photograph of a marshy landscape. The foreground and middle ground are filled with dark, still water reflecting the sky. Interspersed among the water are clumps of tall, thin, brown reeds or grasses. The background shows a flat expanse of water meeting a pale, overcast sky at a distant horizon. The overall tone is somber and naturalistic.

Summary of 2023-24

Activities & Exploration



Point Lake Pit

- New owner of mine: Burgundy Diamond Mines Ltd
- Open pit mining of ore from Point Lake expected to begin in 2025
- Exploration drilling on Glowworm & Lac de Gras claim blocks ended in October 2023; the Land Use Permits terminated more than 1 year ahead of their expiry dates
- Sable pit & Misery underground were the sources of kimberlite ore for 2023 processing

Wildlife Effects

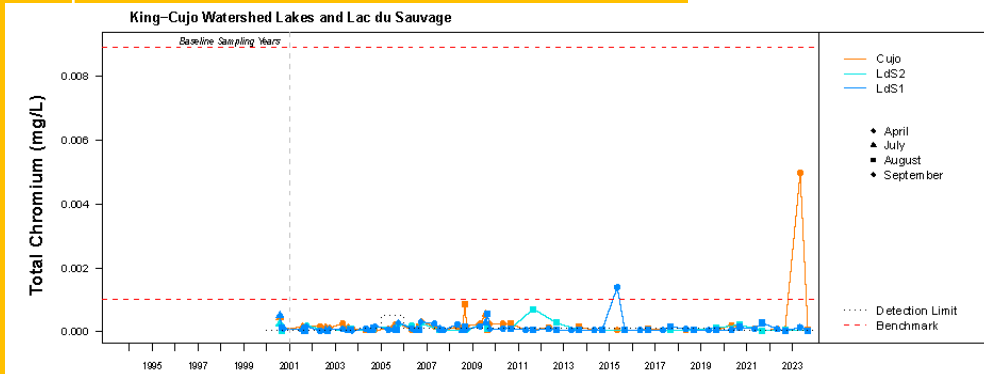


- Higher numbers of caribou sightings & lower numbers of wolverine sightings; number of incidents involving grizzly bears increasing.
- Traffic data on major haul roads collected using remote cameras for most of 2023.
- Preliminary results of Burgundy's caribou collar movement study were released, a welcome first step in evaluating the effectiveness of the Caribou Road Management Plan.
- The process to update the Wildlife Management and Monitoring Plan appears to have stalled.

Aquatic effects



- Aquatic Effects Monitoring Program monitors and reports changes to the lakes and streams downstream of the mine.
- Changes observed in 2023-24 include:
 - CHROMIUM under ice in Cujo Lake spiked to levels significantly greater than any previous years.
 - POTASSIUM & CHLORIDE in Leslie Lake continue to exceed Aquatic Response action levels.
 - SELENIUM in Leslie Lake sediments exceeded levels of concern for 2nd consecutive monitoring year.



Air quality



Incinerator

- Air quality generally good; but **dustfall** is significantly higher within 90 m of haul roads.
- Changes in snow chemistry & lichen tissue up to 10 km from mine due to mine activity in winter.

Waste rock Management



Sable waste rock pile

- 18 million tonnes of rock from Sable and Misery underground deposited on 3 waste rock piles & the Coarse Kimberlite Rejects pile in 2023.
- Point Lake rock pile design approved by WLWB, allowing deposit of Point Lake rock and ore stockpile to begin.
- New ecologically-based approach to rock pile seepage approved by WLWB.

Wastewater & PK Management



Long Lake Containment Facility

- Total of 790,000 m³ was discharged in 2023-24, all of discharge was from King Pond Settling Facility (KPSF).
- Burgundy discharged 319,000 m³ more water than was authorized in their Water Licence. This water was mainly from dewatering Point Lake.
- Renewed Water Licence:
 - authorized pumping fresh water from Upper Exeter Lake → LLCF if needed in case short on water for the Process Plant.
 - improved managing of LLCF dams: will help develop a management system that reflects best-practice for mine dam management in Canada.

Closure and Reclamation



LLCF revegetation

- Latest updated ICRP not approved: April 2026 deadline for new version.
- Pigeon closure designs for pit & waste rock pile.
- Security:
 - Total increased by \$20.7 M
 - Intend to convert from security bond to cash
 - GNWT reviewing its policies on form of security, to address concerns about surety bonds

TK & Community Engagement



Whati

- There was little engagement with Elders and communities regarding TK in 2023.
- Updated versions of Burgundy's Engagement Plan were approved by the WLWB in 2023.

Assessment of Regulators

FISHERIES AND OCEANS CANADA



- Limited involvement in review & monitoring of fish/fish habitat-related activities & in providing advice

ENVIRONMENT AND CLIMATE CHANGE CANADA



- Generally provided valuable input and were active participants in reviews. Exception being Point Lake public hearing, were not able to respond to questions.

WÈK'EEZHÌI LAND AND WATER BOARD



- Ensured timely reviews of reports and monitoring programs
- Well run public hearing for WL Renewal and technical session for Sable Underground

Assessment of Regulators

GNWT: Department of Environment and Climate Change (ECC)

Lands



- 2 WL and 9 LUP inspections over 7 site visits. Less than previous years
- Authorized 21.6 ha land covered by laydown pads; part of this extends into untouched watershed E of Sable Pit; **no public review**

Water Management and Monitoring



- 4 non-compliance events:
 - 2 discharges of non-compliant water from King Pond into Cujo Lake;
 - 2 discharges exceeding permitted volume.

Regulatory & Permitting Division: Enviro Impact Assessment Section



- EIR approval process could benefit from greater consideration of reviewers' input & a requirement that Burgundy incorporate changes into future EIRs.

Assessment of Burgundy



- Agency has a positive relationship & open communications with Burgundy.
- Increased non-Compliance with water licence and permits.
- Progress in updating the ICRP is slower than we would expect; latest plan weak on details.
- General Site cleanliness needs attention.



AGENCY RECOMMENDATIONS TO BURGUNDY



MANAGEMENT OF COMPLIANCE ASSURANCE

up-to-date management systems & plans needed for consistent compliance with the WL and LUPs and effective implementation of operational environmental requirements.



CLOSURE & RECLAMATION

Old Camp:

- investigate causes of WQ exceedances in runoff;
- landform stability issues: develop better understanding of approaches that can be used for C&R activities at other sites.



Sable laydown pad extension

AGENCY RECOMMENDATIONS TO GNWT

GNWT ECC



- in conjunction with WLWB, should adjust requirements for liability estimates & security bond to account for closure costs for management of wastewater accumulated in pits used for storage of Fine PK.



- review its practices related to scope and scale of mining changes that inspectors can authorize under a Land Use Permit, including adoption of operational thresholds that would need a public review if exceeded.

Agency activities



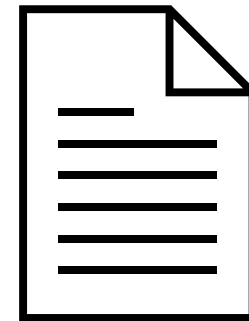
BOARD MEETINGS
+ SITE VISIT



EKATI-SPECIFIC
HEARINGS &
WORKSHOPS



SITE MODEL
UTILIZED



DOCUMENT
REVIEWS



Thank you



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