

Date: June 20, 2016

To: PLC Members

Copies: Blue Mountain Modernization PLC Engagement files; Mary Kainer (Environmental

Chair, LKRA); posted on www.CanadianNepheline.ca website

Subject: Public Liaison Committee – Minutes of June 17, 2016 Meeting

Meeting Date: Friday June 17, 2016 **Time:** 2:00 – 4:15 PM

Hosted by: Bob Marshall (Unimin) – Blue Room (plus site tour)

Attendees: Lake Kasshabog representatives:

Dawn Mitchell – Member at large Mike Delsey – East Lake rep John Davison – East Lake rep Ron Kearn (absent) – West Lake rep Michael Rosin (absent) – West Lake rep

Unimin personnel: Bob Marshall, Cynthia Jamieson

Observer: Jim Martin (absent)

Go-To-Meeting: No attendees from a remote location for this meeting.

The following handouts were provided to facilitate the meeting: (1) Agenda; (2) Minutes of October 30, 2015 meeting; and (3) Pinchin's noise impact contour maps from 2008 and 2016.

1. Review of the Minutes of the last meeting

- To augment the handouts, Bob Marshall projected the November 2015 meeting minutes on a wall screen and conducted a brief overview, including
 - o Update on the Canadian Nepheline Modernization Project and project status
 - Review of the ongoing improvements to sound controls with noise contour maps from 2008 and 2013, which showed significant improvements in the sound levels due to the installation of silencers, improvements in the adjustments in the RPM of the large fans and retrofit of back up alarms
 - Photos of the tailings before and after green up
- Bob Marshall asked if there were any errors or omissions from the last meeting minutes
- None was noted Minutes accepted from October 2015 meeting

2. Update the committee on the Canadian Nepheline Modernization Project

- Unimin has provided site tours and briefing presentations to upper management including Unimin's new CEO (October 2015), Sibelco's CEO (February 2016), and recently Unimin's COO (June 2016). Unimin continues to review engineered options to manage costs and expects board approval for one of these options in the fall of 2016.
- Modernization continues to include building expansion for mineral processing activities, the removal of administrative buildings, the addition of two short spur lines, the construction of a new office building, parking lot and septic system. Stormwater improvements and a channel re-alignment is also part of the permitting process. These activities all occur outside of the nepheline syenite reserves.
- Unimin explained that the nepheline syenite deposit is situated within Unimin's property boundary, which leaves very little room for ancillary activities such as processing buildings, tailings, and waste rock disposal. Waste rock is placed in old pits if no ore is deemed recoverable. At some point Unimin hopes to back fill the active pits but at this time, the depth of the nepheline syenite deposit is unknown.
- Cynthia reported on the permitting progress. Draft environmental reports were completed upon approval from management to advance permitting. Permitting involves a public relations component including consultation with First Nations, the Municipality, and public stakeholders (Open Houses, KLRA Annual General Meetings, and Public Liaison Committee meetings). In addition, approvals are required from the Crowe Valley Conservation Authority (CVCA), Ministry of the Environment and Climate Change (MOECC), Ministry of Natural Resources and Forestry (MNRF), Ministry of Northern Development and Mines (MNDM) and the Department of Fisheries and Oceans (DFO). Applications have been submitted to the CVCA and the DFO. The MOECC approvals process will commence upon receipt of the CVCA permit and is expected to take the longest review time. Unimin has conducted pre-consultation meetings with regulators to facilitate the permit review process. Unimin expects that permitting will be completed in 2017.
- Construction is expected to take approximately two years. Nephton will be decommissioned shortly after a successful startup of the Modernization project. Power restrictions prohibit both facilities to operate concurrently for very long.

3. Review the Blue Mountain Plant's ongoing improvements to sound control

- Bob reviewed the on-going improvements to sound control with supporting noise impact contour maps from 2008 and 2016, after the addition of three large silencers at Blue Mountain this past spring. The noise footprint has minimized over the past 8 years and measurements at neighbouring residences are well within MOECC noise standards.
- Each silencer is engineered for a specific noise source. The silencers are inspected on a regular basis and re-packed as necessary.

4. New Business

- Two Open Houses will be hosted at the Blue Mountain facility in August 2016, strategically positioned to facilitate schedules of permanent and seasonal residents
- Dates include: August 10 (Wednesday) and August 13 (Saturday)
- Invitations will be (a) delivered to Lake Kasshabog properties as in previous years; (b) posted on the CanadianNepheline.com website; and (c) a request will be made to the LKRA to post on their website

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5. Site Tour

• Mike Delsey, Dawn Mitchell and Cynthia Jamieson accompanied Bob Marshall on a driving tour of the mine and Nephton tailings. The Nephton Plant tour was deferred until cooler weather could accommodate long pants and closed-toed footwear. A stop was made at the east highwall of the Main Pit and photos were taken. The tour continued along the haul road to the Nephton tailings. Cell development and revegetation sequencing were observed. The tailings cells are being advanced from north to south. Cell 1 (closest to Kasshabog Lake) is at final design elevation. The freeboard is currently being backfilled so that final cover can be established. Fast growing buckwheat will be used initially but moss and other self-sustaining native species will be encouraged. Active deposition areas including Cells 2 and 3 are using open ponds and small sprinklers for dust suppression. Future deposition areas are covered with buckwheat and MTO mixes and augmented with water cannons. Despite the heat wave the vegetation was green and robust. Irrigation water is supplied from the Clarification Ponds, which helps reduce discharge from the tailings outfall.

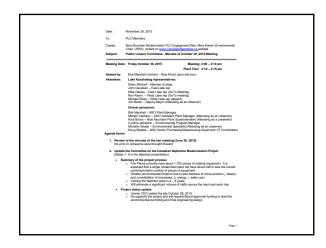
6. Next Meeting

Next meeting is tentatively scheduled for September 2016.

Meeting adjourned at 4:15 pm.

Attachment: June 17, 2016 PowerPoint presentation





November 28, 2015
Public Listion Committee - Minutes of October 30, 2015 Meeting

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