

MVLWB Registry

From: Adrian Paradis <Adrian.Paradis@aandc-aadnc.gc.ca>
Sent: Monday, February 9, 2015 4:30 PM
To: Tim Morton
Subject: Giant Mine Weekly Air Summary Report for January 31, 2015
Attachments: Giant Mine Weekly Air Quality Report Jan 25-31 2015.pdf; Adrian Paradis.vcf

This report is meant to satisfy commitments made in the May 21, 2013, responses to review comments on the roaster plans. Our commitment was to provide weekly summaries of the following data:

- PM₁₀ measurements captured by the contractor and the fence-line program;
- All other available and quality assured data, including TSP, trace elements (metals) and asbestos data.

In discussions with the Giant Mine Working Group, in lieu of the detailed weekly reports the project has decided to provide weekly summaries and a detailed monthly report. This is done to make the reporting more useful to users, while still maintaining the level of details previously provided.

In summary for the week of January 25 – January 31, 2015:

Fenceline Network:

- Fenceline air quality monitoring was shut down for the season mid-day on Friday, January 23, 2015, coinciding with completion and wrap-up of the Interim Underground Stabilization (IUS) program (tailings work).

Community Stations

- There were no continuous 24-hour average concentrations of particulate matter less than 2.5 microns in diameter (PM_{2.5}) and no continuous 24-hour average PM₁₀ concentrations above the referenced criteria measured at the community stations during the week.
- There were no laboratory results for TSP, PM₁₀, and trace metals (including arsenic) received during the week. Laboratory results from samples collected at the community stations after January 3, 2015 are pending.
- Laboratory results from asbestos samples measured on December 22, 25, 28, and 31, 2014 and on January 3, 2015 at the community stations were less than the analytical detection limit and/or below the referenced criteria. Laboratory results from asbestos samples collected at the community stations after January 3, 2015 are pending.
- The 3-day sampling schedule for 24-hour integrated TSP, PM₁₀, trace metals, and asbestos monitoring at the community stations has changed to a 6-day sampling schedule starting on January 24, 2015. The 3-day sampling schedule will resume following start-up of remediation activities some time during spring 2015.

Interim Underground Stabilization (IUS) (tailings work)

- Air quality monitoring near the IUS work resumed on January 5, 2015 in support of remaining IUS activities (tailings work). This monitoring was completed and shut down on January 20, 2015 for the winter coinciding with shut down of tailings harvesting work activities.

- Analytical 24-hour arsenic results measured at six locations near IUS work activities around the North and Central Tailings Ponds on January 9, 2015 were less than the analytical detection limit and/or below the referenced criteria. Analysis of archived filter results collected January 5 - 24, 2015 is pending and/or on hold pending request for analysis.

General Operations

- The AQM program operated as specified during the week ending January 31, 2015 with the exception of:

Data from the PM₁₀ BAM monitors at the NAPS station was incomplete due to unknown causes

Additional air quality information for the Giant Mine can be found on the NWT Air Quality Monitoring Network web page: <http://aqm.enr.gov.nt.ca>.

Should you have any questions or comments, please contact Adrian Paradis by Telephone: (867) 669-2425 or by E-mail: Adrian.Paradis@aadnc-aadnc.gc.ca.

Regards,

Adrian Paradis

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February 9, 2015

Mr. Willard Hagen, Chair
Mackenzie Valley Land and Water Board
7TH FLOOR – 4922, 48TH ST., PO BOX 2130
YELLOWKNIFE, NT X1A 2P6

Dear: Mr. Hagen,

RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of January 31, 2015

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Sincerely,



Adrian Paradis
Regulatory Manager
Giant Mine Remediation Project

c.c.: Distribution List