

MVLWB Registry

From: Fallon Morton <Fallon.Morton@aandc-aadnc.gc.ca>
Sent: Monday, May 11, 2015 9:39 AM
To: NWTLands
Subject: Giant Mine AQM weekly summary report for the week ending May 2, 2015
Attachments: AQM Summary April 26 - May 2, 2015.pdf

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending May 2, 2015.

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.

A summary of the report is provided below:

Fenceline Network:

- Fenceline air quality monitoring started operations at all sites Friday April 10, 2015. Fenceline samplers are scheduled to run daily from 7 AM to 7 PM local time;
- No 15-minute average particulate matter less than 10 microns in diameter (PM₁₀) concentrations above the established Risk Based Action Level (RBAL) criteria were measured at the fenceline monitoring stations during the week. PM₁₀ concentrations measured at all fenceline locations remained typical of background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the fenceline monitoring stations during the week. PM₁₀ concentrations measured at all fenceline locations remained typical of background concentrations.

Community Stations

- There were no continuous 24-hour average concentrations of particulate matter less than 2.5 microns in diameter (PM_{2.5}) above the referenced criteria measured at the community stations during the week. 24-hour PM₁₀ concentrations were above the referenced criteria on April 30, 2015 at the NAPS community station. Winds on April 30, 2015 were light blowing from the south and west. Fenceline concentrations remained low on April 30, 2015, with fenceline 15-minute PM₁₀ concentrations below 10 µg/m³. PM₁₀ concentrations at YCC and NDL were below the reference criteria during the week. Road dust in the city of Yellowknife has been visually observed throughout the reporting period;
- Laboratory results from available TSP, PM₁₀, and trace metals (including arsenic) samples measured on April 6, 9, and 12, 2015 at the community stations were less than the analytical detection limit and/or below the referenced criteria. Laboratory results for April 3, 2015 are pending. Laboratory results from samples collected at the community stations after April 12, 2015 are pending.
- Laboratory analytical results received for asbestos samples measured on April 3, 6, 9, and 12, 2015 at the community stations were less than the analytical detection limit and/or below the referenced criteria. The asbestos samples collected at NAPS community station on April 3, 2015 were invalidated due to particulate

overloading the filter cartridge. Laboratory results from asbestos samples collected at the community stations after April 12, 2015 are pending.

- The 3-day sampling schedule for 24-hour integrated TSP, PM₁₀, trace metals, and asbestos monitoring at the community stations has resumed as of March 19, 2015;

Interim Underground Stabilization (IUS) (tailings work)

- Preparation for IUS activities for 2015 is on-going;

General Operations

- The AQM program operated as specified during the week ending May 2, 2015.

Regards,

Fallon Morton
Giant Mine Remediation Project
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May 11, 2015

Mr. Willard Hagen, Chair
Mackenzie Valley Land and Water Board
7TH FLOOR – 4910, 50TH AVE., PO BOX 2130
YELLOWKNIFE, NT X1A 2P6

RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of April 26

Dear: Mr. Hagen,

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 April 26 – May 2, 2015:

Fenceline Network:

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General Operations

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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@aandc-aadnc.gc.ca.

Sincerely,



Adrian Paradis
Regulatory Manager
Giant Mine Remediation Project

c.c.: Distribution List