

MVLWB Registry

From: Fallon Morton <Fallon.Morton@aandc-aadnc.gc.ca>
Sent: Monday, December 22, 2014 10:02 AM
To: NWTLands
Subject: Giant Mine AQM weekly summary report for the week ending December 13, 2014
Attachments: AQM Summary Week of Dec 7, 2014.pdf

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending December 13, 2014.

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:

- 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 locations during the week. PM₁₀ concentrations measured at the fenceline locations remained typical of background concentrations and compared well with community real-time PM₁₀ concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the fenceline locations during the week;

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;
- Laboratory results from TSP, PM₁₀, and trace metals (including arsenic) samples measured on November 19, 22, and 25, 2014 at the community stations were less than the analytical detection limit and/or below the referenced criteria. Laboratory results from samples collected at the community stations after November 25, 2014 are pending;
- Laboratory results from asbestos samples collected on November 25 and 28, 2014 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 November 28, 2014 are pending;

Interim Underground Stabilization (IUS) (tailings work)

- There were no 15-minute average PM₁₀ concentrations above the established IUS tailings pond remediation RBAL (180 µg/m³) measured in the vicinity of the tailings ponds during the week;

General Operations

- The AQM program operated as specified during the week ending December 13, 2014.

Regards,

Fallon Morton
Giant Mine Remediation Project
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December 22, 2014

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 December 7

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 December 7 – December 13, 2014:

Fenceline network:

- 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 locations during the week. PM₁₀ concentrations measured at the fenceline locations remained typical of background concentrations and compared well with community real-time PM₁₀ concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the fenceline locations during the week;

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;
- Laboratory results from TSP, PM₁₀, and trace metals (including arsenic) samples measured on November 19, 22, and 25, 2014 at the community stations were less than the analytical detection limit and/or below the referenced criteria. Laboratory results from samples collected at the community stations after November 25, 2014 are pending;
- Laboratory results from asbestos samples collected on November 25 and 28, 2014 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 November 28, 2014 are pending;

Interim Underground Stabilization (IUS) (tailings work)

- There were no 15-minute average PM₁₀ concentrations above the established IUS tailings pond remediation RBAL (180 µg/m³) measured in the vicinity of the tailings ponds during the week;

General Operations

- The AQM program operated as specified during the week ending December 13, 2014.

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