

MVLWB Registry

From: Fallon Morton <Fallon.Morton@aandc-aadnc.gc.ca>
Sent: Friday, March 27, 2015 11:17 AM
To: NWTLands
Subject: Giant Mine AQM weekly summary report for the week ending March 21, 2015
Attachments: Weekly AQM Summary Mar 15-21, 2015.pdf

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending March 21, 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 limited operations at Site D (Beach) on Friday March 20, 2015, providing surveillance of any wind blown dust from the South Tailings Pond.
- 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 Site D (Beach) fenceline location during the week. PM₁₀ concentrations measured at the Site D (Beach) fenceline locations remained typical of background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the Site D (Beach) 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.
- 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 30, 2015 are pending.
- There were no new laboratory analytical results received during the current reporting period for asbestos samples measured at the community stations. Laboratory results from asbestos samples collected at the community stations after January 30, 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)

- Air quality monitoring near the IUS work was completed and shut down on January 20, 2015 for the winter coinciding with shut down of tailings harvesting work activities.

General Operations

- The AQM program operated as specified during the week ending March 21, 2015 with the exception of:
 1. Data from the PM_{2.5} and PM₁₀ BAM monitors at the NAPS station were unavailable due to unknown causes. Efforts are currently underway to make BAM data from NAPS available for reporting.

Regards,

Fallon Morton
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March 27, 2015

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

RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of March 15

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 March 15 – March 21, 2015:

Fenceline Network:

- Fenceline air quality monitoring started limited operations at Site D (Beach) on Friday March 20, 2015, providing surveillance of any wind blown dust from the South Tailings Pond.
- 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 Site D (Beach) fenceline location during the week. PM₁₀ concentrations measured at the Site D (Beach) fenceline locations remained typical of background concentrations;
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- Air quality monitoring near the IUS work was completed and shut down on January 20, 2015 for the winter coinciding with shut down of tailings harvesting work activities.

General Operations

- The AQM program operated as specified during the week ending March 21, 2015 with the exception of:
 1. Data from the PM_{2.5} and PM₁₀ BAM monitors at the NAPS station were unavailable due to unknown causes. Efforts are currently underway to make BAM data from NAPS available for reporting.

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