

MVLWB Registry

From: Adrian Paradis <Adrian.Paradis@aandc-aadnc.gc.ca>
Sent: Friday, May 1, 2015 4:54 PM
To: Tim Morton
Subject: Giant Mine Remediation AQM weekly summary report for the week ending April 25, 2015
Attachments: YELLOWKN-#687367-v1-giant_monitoring_weekly_air_quality_monitoring_report_april_25_2015.PDF; Adrian Paradis.vcf

A summary of the Giant Mine ambient air quality monitoring program for the week ending April 25, 2015 is as follows:

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 21, 22, and 23, 2015 at the NDL community station. Winds on April 21-23, 2015 were light to moderate blowing from the east. Fenceline concentrations remained low on April 21-23, 2015, with fenceline 15-minute PM₁₀ concentrations below 10 µg/m³. PM₁₀ concentrations at YCC and NAPS were below the reference criteria during the week. Road dust in the city of Yellowknife has been visually observed throughout the reporting period;
- 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 March 31, 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 March 31, 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)

- IUS activities for 2015 have not yet resumed;

General Operations

- The AQM program operated as specified during the week ending April 25, 2015.

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

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May 1, 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 25

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.

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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