

MVLWB Registry

From: Adrian Paradis <Adrian.Paradis@aandc-aadnc.gc.ca>
Sent: Friday, December 12, 2014 4:05 PM
Subject: Giant Mine AQM weekly summary report the week ending December 6, 2014
Attachments: AQM Week of December 6, 2014.pdf; Adrian Paradis.vcf

A summary of the Giant Mine ambient air quality monitoring program for the week ending December 6, 2014 is as follows:

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;
- 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 1, 4, 7, 10, 13, and 16, 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 16, 2014 are pending;
- Laboratory results from asbestos samples collected on November 13, 16, 19, and 22, 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 22, 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 6, 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, NWT Region, Giant Mine Remediation Project

AANDC/ Government of Canada
adrian.paradis@aandc-aandc.gc.ca / Tel: 867-669-2425

Gestionnaire à la réglementation
AADNC/ Gouvernement du Canada
adrian.paradis@aandc-aadnc.gc.ca / Tel: 867-669-2425



PO Box 1500
YELLOWKNIFE NT X1A 2R3

NT 648310

December 5, 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 6, 2014

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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Sincerely,



Adrian Paradis
Regulatory Manager
Giant Mine Remediation Project

c.c.: Distribution List