

Permits

From: Adrian Paradis <Adrian.Paradis@aandc-aadnc.gc.ca>
Sent: Friday, December 18, 2015 10:55 AM
Subject: Giant Mine Remediation AQM weekly summary report for the week ending December 12, 2015
Attachments: YELLOWKN-#789599-v1-GIANT_MONITORING_WEEKLY_AIR_REPORT_12_DEC_2015.PDF; Adrian Paradis.vcf

A summary of the Giant Mine ambient air quality monitoring program for the week ending December 12, 2015 is as follows:

Fenceline Network:

- Fenceline daily sampling concluded for the 2015 season as of December 11, 2015.
- No 15-minute average particulate matter less than 10 microns in diameter (PM₁₀) concentrations above the established Risk Based Action Level (RBAL) criteria (159 µg/m³) were measured at the fenceline monitoring stations during the week. PM₁₀ concentrations measured at fenceline locations during the week were typical of seasonal background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL (333 µg/m³) were measured at the fenceline monitoring stations during the week. TSP concentrations measured at fenceline locations during the week were typical of seasonal background concentrations;

Community Stations:

- No twenty-four (24) hour average concentrations of PM_{2.5} and PM₁₀ were measured above the referenced criteria at the community stations during the week. PM_{2.5} and PM₁₀ concentrations during the week were typical of seasonal background concentrations;
- Laboratory results from available TSP, PM₁₀, and trace metals (including arsenic) samples collected on November 23, 26, and 29, 2015 at the community stations were less than the analytical detection limit and/or below the referenced criteria. Laboratory analysis of community station filters collected after November 29, 2015 are pending;
 - Laboratory results from available asbestos samples collected on November 26, 2015 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 on November 20, and after November 29, 2015 are pending;

General Operations:

- The AQM program operated as specified during the week ending December 12, 2015 with exception to the following:
 - The data from PM_{2.5} BAM monitor at the NAPS community station was unavailable 2 PM December 9, 2015 through December 12, 2015 due to unknown causes.

The air quality monitoring program has concluded for the 2015 season. Weekly reports will resume with work in 2016.

Regards,

Adrian Paradis

Regulatory Manager, NWT Region, Giant Mine Remediation Project
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December 18, 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
December 12, 2015**

Dear: Mr. Hagen,

A summary of the Giant Mine ambient air quality monitoring program for the week ending December 12, 2015 is as follows:

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Sincerely,



Adrian Paradis
Regulatory Manager
Giant Mine Remediation Project

c.c.: Distribution List