

## Permits

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**From:** Adrian Paradis <Adrian.Paradis@aandc-aadnc.gc.ca>  
**Sent:** Friday, December 18, 2015 10:46 AM  
**Subject:** Giant Mine Remediation AQM weekly summary report for the week ending December 5, 2015  
**Attachments:** YELLOWKN-#789600-v1-giant\_monitoring\_weekly\_air\_report\_5\_dec\_2015.PDF; Adrian Paradis.vcf

A summary of the Giant Mine ambient air quality monitoring program for the week ending December 5, 2015 is as follows:

### Fenceline Network:

- Fenceline daily sampling schedule was changed to 7 AM – 7 PM beginning on November 2, 2015.
- No 15-minute average particulate matter less than 10 microns in diameter (PM<sub>10</sub>) concentrations above the established Risk Based Action Level (RBAL) criteria (159 µg/m<sup>3</sup>) were measured at the fenceline monitoring stations during the week. PM<sub>10</sub> 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/m<sup>3</sup>) 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<sub>2.5</sub> and PM<sub>10</sub> were measured above the referenced criteria at the community stations during the week. PM<sub>2.5</sub> and PM<sub>10</sub> concentrations during the week were typical of seasonal background concentrations;
- Laboratory results from available TSP, PM<sub>10</sub>, and trace metals (including arsenic) samples collected on November 17 and 20, 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 20, 2015 are pending;
- Laboratory results from available asbestos samples collected on November 23 and 29, 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, 26, and after November 29, 2015 are pending;

### General Operations:

- The AQM program operated as specified during the week ending December 5, 2015.

Regards,

Adrian Paradis

Regulatory Manager, NWT Region, Giant Mine Remediation Project  
AANDC/ Government of Canada  
[adrian.paradis@aandc-aandc.gc.ca](mailto:adrian.paradis@aandc-aandc.gc.ca) / Tel: 867-669-2425

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



PO BOX 1500  
YELLOWKNIFE NT X1A 2R3

NT 787991

December 18, 2015

Mr. Willard Hagen, Chair  
Mackenzie Valley Land and Water Board  
7<sup>TH</sup> FLOOR – 4910, 50<sup>TH</sup> AVE., PO BOX 2130  
YELLOWKNIFE, NT X1A 2P6

**RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of  
December 5, 2015**

Dear: Mr. Hagen,

A summary of the Giant Mine ambient air quality monitoring program for the week ending December 5, 2015 is as follows:

**Fenceline Network:**

- Fenceline daily sampling schedule was changed to 7 AM – 7 PM beginning on November 2, 2015.
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Community Stations:

- No twenty-four (24) hour average concentrations of PM<sub>2.5</sub> and PM<sub>10</sub> were measured above the referenced criteria at the community stations during the week. PM<sub>2.5</sub> and PM<sub>10</sub> concentrations during the week were typical of seasonal background concentrations;
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General Operations:

- The AQM program operated as specified during the week ending December 5, 2015.

Sincerely,



Adrian Paradis  
Regulatory Manager  
Giant Mine Remediation Project

c.c.: Distribution List