

## MVLWB Registry

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**From:** Tyree Mullaney <tyree@mvlwb.com>  
**Sent:** Tuesday, January 6, 2015 10:00 AM  
**To:** permits@mvlwb.com  
**Subject:** FW: Giant Mine AQM weekly summary report for the week ending December 20, 2014  
**Attachments:** AQM Weekly Summary Dec 14-20, 2014.pdf

Please post to the 2012 Giant file

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**From:** Fallon Morton [mailto:Fallon.Morton@aandc-aadnc.gc.ca]  
**Sent:** January 5, 2015 1:36 PM  
**To:** NWTLands  
**Subject:** Giant Mine AQM weekly summary report for the week ending December 20, 2014

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending December 20, 2014.

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:

- 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 were measured at the fenceline locations during the week. PM<sub>10</sub> concentrations measured at the fenceline locations remained typical of background concentrations and compared well with community real-time PM<sub>10</sub> concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the fenceline locations during the week;
- Air quality monitoring along the fenceline was suspended on December 19, 2014, coinciding with the completion of the Interim Underground Stabilization (IUS) program (tailings work) for the 2014 season.

### Community Stations

- There were no continuous 24-hour average concentrations of particulate matter less than 2.5 microns in diameter (PM<sub>2.5</sub>) and no continuous 24-hour average PM<sub>10</sub> concentrations above the referenced criteria measured at the community stations during the week;
- Laboratory results from TSP, PM<sub>10</sub>, and trace metals (including arsenic) samples measured on November 19, 22, and 25, 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 25, 2014 are pending;
- Laboratory results from asbestos samples collected on December 1, 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 December 1, 2014 are pending.

#### Interim Underground Stabilization (IUS) (tailings work)

- There were no 15-minute average PM<sub>10</sub> concentrations above the established IUS tailings pond remediation RBAL (180 µg/m<sup>3</sup>) measured in the vicinity of the tailings ponds during the week;
- Air quality monitoring near the IUS work was suspended on December 19, 2014, with the completion of this work for the 2014 season.

#### General Operations

- The AQM program operated as specified during the week ending December 20, 2014.

Regards,

Fallon Morton  
Giant Mine Remediation Project  
Aboriginal Affairs and Northern Development Canada  
PO Box 1500  
Yellowknife, NT X1A 2R3  
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January 5, 2015

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

Dear: Mr. Hagen,

**RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of December 14**

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:

- PM<sub>10</sub> 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 December 14 – December 20, 2014:

Fenceline network:

- 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 were measured at the fenceline locations during the week. PM<sub>10</sub> concentrations measured at the fenceline locations remained typical of background concentrations and compared well with community real-time PM<sub>10</sub> concentrations;
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### Community Stations

- There were no continuous 24-hour average concentrations of particulate matter less than 2.5 microns in diameter (PM<sub>2.5</sub>) and no continuous 24-hour average PM<sub>10</sub> concentrations above the referenced criteria measured at the community stations during the week;
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### General Operations

- The AQM program operated as specified during the week ending December 20, 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](mailto:Adrian.Paradis@aandc-aadnc.gc.ca).

Sincerely,



Adrian Paradis  
Regulatory Manager  
Giant Mine Remediation Project

c.c.: Distribution List