

## MVLWB Registry

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**From:** Fallon Morton <Fallon.Morton@aandc-aadnc.gc.ca>  
**Sent:** Friday, March 20, 2015 3:29 PM  
**To:** NWTLands  
**Subject:** Giant Mine AQM weekly summary report for the week ending March 14, 2015  
**Attachments:** Weekly AQM Summary Mar 8 -14, 2015.pdf

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending March 14, 2015.

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:

- Fenceline air quality monitoring was shut down for the season mid-day on Friday, January 23, 2015, coinciding with completion and wrap-up of the Interim Underground Stabilization (IUS) program (tailings work).

### 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.
- There were no laboratory results for TSP, PM<sub>10</sub>, and trace metals (including arsenic) received during the week. Laboratory results from samples collected at the community stations after January 30, 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 January 30, 2015 are pending.
- The 3-day sampling schedule for 24-hour integrated TSP, PM<sub>10</sub>, trace metals, and asbestos monitoring at the community stations has changed to a 6-day sampling schedule starting on January 24, 2015. The 3-day sampling schedule will resume following start-up of remediation activities some time during spring 2015.

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

- Air quality monitoring near the IUS work was completed and shut down on January 20, 2015 for the winter coinciding with shut down of tailings harvesting work activities.

### General Operations

- The AQM program operated as specified during the week ending March 14, 2015 with the exception of:

1. Data from the PM<sub>2.5</sub> and PM<sub>10</sub> BAM monitors at the NAPS station were unavailable due to unknown causes. Efforts are currently underway to make BAM data from NAPS available for reporting.

Regards,

Fallon Morton  
Giant Mine Remediation Project  
Aboriginal Affairs and Northern Development Canada  
PO Box 1500  
Yellowknife, NT X1A 2R3  
Phone (867) 669-2426  
Fax (867) 669-2439



PO BOX 1500  
YELLOWKNIFE NT X1A 2R3

**NT 648310**

March 20, 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

**RE: Water Licence MV2012L8-0010 – Air Quality Reports for the Week of March 8**

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:

- 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 March 8 – March 14, 2015:

**Fenceline Network:**

- Fenceline air quality monitoring was shut down for the season mid-day on Friday, January 23, 2015, coinciding with completion and wrap-up of the Interim Underground Stabilization (IUS) program (tailings work).

**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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- 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 January 30, 2015 are pending.
- The 3-day sampling schedule for 24-hour integrated TSP, PM<sub>10</sub>, trace metals, and asbestos monitoring at the community stations has changed to a 6-day sampling schedule starting on January 24, 2015. The 3-day sampling schedule will resume following start-up of remediation activities some time during spring 2015.

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

- Air quality monitoring near the IUS work was completed and shut down on January 20, 2015 for the winter coinciding with shut down of tailings harvesting work activities.

#### General Operations

- The AQM program operated as specified during the week ending March 14, 2015 with the exception of:
  1. Data from the PM<sub>2.5</sub> and PM<sub>10</sub> BAM monitors at the NAPS station were unavailable due to unknown causes. Efforts are currently underway to make BAM data from NAPS available for reporting.

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