

## MVLWB Registry

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**From:** Fallon Morton <Fallon.Morton@aandc-aadnc.gc.ca>  
**Sent:** Friday, April 10, 2015 4:14 PM  
**To:** NWTLands  
**Subject:** Giant Mine AQM weekly summary report for the week ending April 4, 2015  
**Attachments:** Weekly AQM Summary Mar 29 - Apr 4, 2015.pdf

Greetings,

Attached is the AQM weekly summary report for Giant Mine for week ending April 4, 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 started limited operations at Site D (Beach) on Friday March 20, 2015, providing surveillance of any wind blown dust from the South Tailings Pond. Site D was operating 24 hours per day with maintenance and qc checks performed at 7 AM each day. Site D monitoring concluded on Friday morning, April 3, 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 were measured at the Site D (Beach) fenceline location during the week. PM<sub>10</sub> concentrations measured at the Site D (Beach) fenceline locations remained typical of background concentrations.
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL were measured at the Site D (Beach) 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<sub>2.5</sub>) and no continuous 24-hour average PM<sub>10</sub> concentrations above the referenced criteria measured at the NDL and YCC community stations during the week. PM<sub>10</sub> concentrations were above the referenced criteria March 31 through April 4, 2015 at the NAPS community station due to unknown causes. Investigation of elevated PM<sub>10</sub> concentrations at NAPS is ongoing.
- 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 February 23, 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 February 23, 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 resumed as of March 19, 2015.

Interim Underground Stabilization (IUS) (tailings work)

- IUS activities for 2015 have not yet resumed.

General Operations

- The AQM program operated as specified during the week ending April 4, 2015.

Regards,

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**NT 648310**

April 10, 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 29**

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 29 – April 4, 2015:

**Fenceline Network:**

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#### General Operations

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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