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**Subject:** Air Quality Monitoring Weekly Summary - Week Ending in February 10, 2018  
**Date:** February 16, 2018 11:40:40 AM  
**Attachments:** [February 10.pdf](#)

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Good Morning,

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending February 10, 2018 is as follows:

Fenceline Network:

- The real time fenceline air quality network was shut down for the winter season on November 30, 2017.
- There are no outstanding laboratory analyses of integrated 24-hour arsenic, PM<sub>10</sub>, and TSP filter samples collected at the fenceline sampling locations.

-  
Community Stations:

- No 24-hour average concentrations of PM<sub>2.5</sub> and PM<sub>10</sub> were measured above the referenced standards at the community stations during the week. PM<sub>2.5</sub> and PM<sub>10</sub> concentrations during the week were typically representative of seasonal background concentrations;

- Laboratory results from TSP, PM<sub>10</sub>, and trace metals (including arsenic) samples collected on December 12, 18, 24, 30, 2017, January 5, and 11, 2018 at the community stations were less than the analytical detection limit and/or below the referenced standard. Laboratory analyses of community station filters collected after January 11, 2018 are pending;
- Laboratory analyses of asbestos samples collected at the community stations after January 20, 2018 are pending;
- There were no NO<sub>2</sub> concentrations measured at the Niven Lake community air monitoring station above the NWT Ambient Air Quality 24-Hour Standard of 106 parts per billion (ppb) or the 1-Hour Standard of 213 ppb during the week. Table 1 summarizes the daily hourly maximum concentrations and the daily 24-Hour average concentrations measured at the Niven Lake community station during the week.

Table 1

Niven Lake Community AQM Station NO<sub>2</sub> Concentrations

<b>Date</b>	<b>Maximum One-hour Average (ppb)</b>	<b>24-hour Average (ppb)</b>
February 04, 2018	7.1	1.7
February 05, 2018	24.3	8.8
February 06, 2018	12.3	2.3
February 07, 2018	17.0	2.1
February 08, 2018	11.1	3.4
February 09, 2018	9.5	2.6
February 10, 2018	5.3	2.1

-  
General Operation:

- The AQM program operated as specified during the week ending February 10, 2018.

Sincerely,

Natalie Plato



PO BOX 1500  
YELLOWKNIFE NT X1A 2R3

February 16, 2018

Distribution List

**RE: Air Quality Reports for the Week of February 10, 2018.**

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending February 10, 2018 is as follows:

Fenceline Network:

- The real time fenceline air quality network was shut down for the winter season on November 30, 2017.
- There are no outstanding laboratory analyses of integrated 24-hour arsenic, PM<sub>10</sub>, and TSP filter samples collected at the fenceline sampling locations.

Community Stations:

- No 24-hour average concentrations of PM<sub>2.5</sub> and PM<sub>10</sub> were measured above the referenced standards at the community stations during the week. PM<sub>2.5</sub> and PM<sub>10</sub> concentrations during the week were typically representative of seasonal background concentrations;
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General Operation:

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Sincerely,



Natalie Plato  
Deputy Director  
Giant Mine Remediation Project

c.c.: Distribution List