

**From:** Geneva Irwin  
**Subject:** Air Quality Monitoring Weekly Report - Week Ending in January 7 - FINAL Report of the season  
**Date:** Friday, January 20, 2017 11:18:07 AM  
**Attachments:** [January 7 - final of the season.pdf](#)

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Good Morning,

Please be advised that this will be the final weekly report of the season. The remediation team will continue to monitor community stations but will cease sending reports via email until the fenceline stations come back online in April. If you have any questions or concerns please contact us at (867)669-2426.

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending January 7, 2017 is as follows:

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 analysis of community station filters collected after December 8, 2016 are pending;

- Laboratory results from asbestos samples collected on December 5, 2016 at the community stations were less than the analytical detection limit and/or below the referenced standard. Laboratory analyses of asbestos samples collected at the community stations after December 8, 2016 are pending.
- There were no NO<sub>2</sub> concentrations measured at the recently established 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

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
January 01, 2017	18.6	6.7
January 02, 2017	24.5	11.6
January 03, 2017	16.4	7.0
January 04, 2017	19.4	6.5
January 05, 2017	12.1	3.6
January 06, 2017	26.5	13.8
January 07, 2017	25.5	7.2

General Operation:

The AQM program operated as specified during the week ending January 7, 2017.

Sincerely,

alie Plato



PO BOX 1500  
YELLOWKNIFE NT X1A 2R3

NT 871508

January 18, 2017

Distribution List

**RE: Air Quality Reports for the Week of January 7, 2016.**

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending January 7, 2017 is as follows:

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 analysis of community station filters collected after December 8, 2016 are pending;
- Laboratory results from asbestos samples collected on December 5, 2016 at the community stations were less than the analytical detection limit and/or below the referenced standard. Laboratory analyses of asbestos samples collected at the community stations after December 8, 2016 are pending.
- There were no NO<sub>2</sub> concentrations measured at the recently established 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  
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General Operation:

- The AQM program operated as specified during the week ending January 7, 2017.

Sincerely,

A handwritten signature in blue ink, appearing to read "Natalie Plato". The signature is fluid and cursive, with the first name "Natalie" written in a larger, more prominent script than the last name "Plato".

Natalie Plato  
Deputy Director  
Giant Mine Remediation Project

c.c.: Distribution List