

**From:** Geneva Irwin  
**Subject:** Air Quality Monitoring Weekly Summary Week Ending November 19  
**Date:** Thursday, November 24, 2016 4:25:18 PM  
**Attachments:** [November 19.pdf](#)

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Good Afternoon,

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending November 19, 2016 is as follows:

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) of 159 µg/m<sup>3</sup> were measured at the fenceline monitoring stations during the week. PM<sub>10</sub> concentrations measured at fenceline locations during the week were typical of seasonal background concentrations;

One 15-minute average total suspended particulate (TSP) concentration above the established fenceline RBAL of 333 µg/m<sup>3</sup> was measured at the fenceline monitoring station H-NW Pond on November 19, 2016. No other 15-minute average TSP concentrations above the RBAL were measured at the fenceline monitoring stations during the week.

- o One 15-minute average concentration was measured at site H-NW Pond on November 19, 2016 of 406 µg/m<sup>3</sup> at 07:15 MST. At the time of the exceedance winds were calm. The elevated concentration appears to be the result of freezing fog, snow, and sleet, and did not appear to have been caused by any specific site activity.

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 October 27, 2016 are pending;

- Laboratory results from asbestos samples collected on October 24, 27, and November 2, 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 on October 30, 2016 and after November 2, 2016 are pending.

General Operation:

The AQM program operated as specified during the week ending November 19, 2016.

Sincerely,

Malie Plato



PO BOX 1500  
YELLOWKNIFE NT X1A 2R3

NT 861474

November 24, 2016

Distribution List

**RE: Air Quality Reports for the Week of November 19, 2016.**

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending November 19, 2016 is as follows:

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below the referenced standard. Laboratory analyses of asbestos samples collected at the community stations on October 30, 2016 and after November 2, 2016 are pending.

General Operation:

- The AQM program operated as specified during the week ending November 19, 2016.

Sincerely,

A handwritten signature in blue ink that reads "Natalie Plato". The signature is written in a cursive style with a large, stylized "N" and "P".

Natalie Plato  
Deputy Director  
Giant Mine Remediation Project

c.c.: Distribution List