



PO BOX 1500
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NT 883479

MV2012L8-0010

May 15, 2017

Distribution List

RE: Air Quality Reports for the Week of May 6, 2017.

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending May 6, 2017 is as follows:

Community Stations:

- No 24-hour average concentrations of PM_{2.5} and PM₁₀ were measured above the referenced standards at the community stations during the week. PM_{2.5} and PM₁₀ concentrations during the week were typically representative of seasonal background concentrations;
- Laboratory results from TSP, PM₁₀, and trace metals (including arsenic) samples collected on April 7 and 13, 2017 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 April 13, 2017 are pending.
- Laboratory results from asbestos samples collected on April 7 and 13, 2017 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 April 13, 2017 are pending.
- There were no NO₂ 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 NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
April 30, 2017	0.3	0.2
May 01, 2017	0.7	0.4
May 02, 2017	1.2	0.5
May 03, 2017	1.0	0.4
May 04, 2017	2.8	0.9

May 05, 2017	1.5	0.6
May 06, 2017	0.8	0.3

General Operation:

- The AQM program operated as specified during the week ending April 29, 2017, with the following exception:
 - The NDL community station had incomplete continuous PM_{2.5} data on May 4, 2017 due to seven hours of data being invalidated for reported concentrations less than -3 µg/m³

Sincerely,



Natalie Plato
Deputy Director
Giant Mine Remediation Project

c.c.: Distribution List