



PO BOX 1500
YELLOWKNIFE NT X1A 2R3

NT 933566

January 8, 2018

MV2012L8-0010

Distribution List

RE: Air Quality Reports for the Week of December 30, 2017.

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending December 30, 2017 is as follows:

Fenceline Network:

- The real time fenceline air quality network was shut down for the winter season on November 30, 2017.
- All laboratory analyses of integrated 24-hour arsenic, PM₁₀, and TSP filter samples collected at the fenceline sampling locations have been reported.

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 analyses of community station filters collected after November 27, 2017 are pending;
- Laboratory analyses of asbestos samples collected at the community stations after November 27, 2017 are pending;
- There were no NO₂ 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 NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
December 24, 2017	4.7	1.6
December 25, 2017	2.8	1.3
December 26, 2017	2.4	0.8
December 27, 2017	3.0	1.1
December 28, 2017	26.8	5.6
December 29, 2017	37.3	8.0
December 30, 2017	13.7	7.3

General Operation:

The AQM program operated as specified during the week ending December 30, 2017.

Sincerely,



Natalie Plato
Deputy Director
Giant Mine Remediation Project

c.c.: Distribution List