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February 27, 2020

## Distribution List

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending February 15, 2020 is as follows:

### Fence Line Stations

- Air Quality monitoring at the fence line stations was completed at 12:00 AM December 1, 2019;
- All laboratory analyses of integrated 24-hour arsenic, PM<sub>10</sub>, and TSP filter samples collected at the fence line stations have been reported.

### Community Stations

- No continuous PM<sub>2.5</sub> or PM<sub>10</sub> 24-hour average concentrations above the referenced standards for each were measured at any of the community stations during the week;
- Laboratory results from integrated TSP, PM<sub>10</sub>, and trace metals (including arsenic) samples collected on January 28, 2020 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 28, 2020 are pending;
- Laboratory results from asbestos samples collected on January 28, 2020 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 January 28, 2020 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 each day's maximum hourly concentration and each day's 24-hour average concentration at the Niven Lake community station during the week.



**Table 1**  
**Niven Lake Community Station NO<sub>2</sub> Concentrations**

<b>Date</b>	<b>Maximum One-hour Average (ppb)</b>	<b>24-hour Average (ppb)</b>
February 09, 2020	16.1	5.4
February 10, 2020	5.2	1.9
February 11, 2020	24.6	6.2
February 12, 2020	24.9	5.4
February 13, 2020	7.3	1.7
February 14, 2020	3.4	0.9
February 15, 2020	17.7	3.9

General Operation

- Integrated sampling for TSP, PM<sub>10</sub>, and trace metals (including arsenic) was conducted on February 9 and 15, 2020. The next regularly scheduled sampling is February 21, 2020;

Sincerely,



Natalie Plato  
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List