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April 6, 2020

## Distribution List

### **Giant Mine Remediation Project Ambient Air Quality Monitoring Program summary for the week ending March 28, 2020.**

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending March 28, 2020 is as follows:

#### Site Perimeter Stations

- Air quality monitoring at the site perimeter 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 site perimeter 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 March 16, 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 March 16, 2020 are pending;
- Laboratory results from asbestos samples collected on March 10, 16, and 22, 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 March 16, 2020 are pending;
- There were no NO<sub>2</sub> concentrations measured at the Niven Lake Community Station above the NWT Ambient Air Quality 24-hour Standard of 106 parts per billion (ppb) or the one-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>
March 22, 2020	10.3	2.5
March 23, 2020	6.5	1.6
March 24, 2020	29.2	8.3
March 25, 2020	22.9	7.0
March 26, 2020	12.1	2.0
March 27, 2020	1.4	0.7
March 28, 2020	11.5	2.5

General Operation

- Integrated sampling for TSP, PM<sub>10</sub>, and trace metals (including arsenic) was conducted on March 22 and 28, 2020. The next regularly scheduled sampling is April 3, 2020;

Sincerely,



Natalie Plato  
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List