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March 9, 2020

Distribution List

Giant Mine Remediation Project Ambient Air Quality Monitoring Program for the Week Ending February 29, 2020

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending February 29, 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, PM₁₀, and TSP filter samples collected at the fence line stations have been reported.

Community Stations

- No continuous PM_{2.5} or PM₁₀ 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, PM₁₀, and trace metals (including arsenic) samples collected on February 15, 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 February 15, 2020 are pending;
- Laboratory results from asbestos samples collected on February 15 and 21, 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 February 21, 2020 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 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 NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
February 23, 2020	3.1	1.5
February 24, 2020	18.8	5.1
February 25, 2020	8.0	2.9
February 26, 2020	4.2	2.5
February 27, 2020	3.8	1.7
February 28, 2020	29.7	11.3
February 29, 2020	4.6	1.3

General Operation

- Integrated sampling for TSP, PM₁₀, and trace metals (including arsenic) was conducted on February 27, 2020. The next regularly scheduled sampling is March 4, 2020.

Sincerely,



Natalie Plato
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List