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February 6, 2020

Distribution List

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending February 1, 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 January 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 January 16, 2020 are pending;
- Laboratory results from asbestos samples collected on January 10 and 16, 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 16, 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.



Niven Lake Community Station NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
January 26, 2020	--	--
January 27, 2020	5.8	3.0
January 28, 2020	10.2	2.2
January 29, 2020	7.8	2.7
January 30, 2020	19.3	4.0
January 31, 2020	7.7	1.8
February 01, 2020	20.3	2.7

General Operation

- Integrated sampling for TSP, PM₁₀, and trace metals (including arsenic) was conducted on February 3, 2020. The next regularly scheduled sampling is February 9, 2020;
- The AAQM program operated as specified during the week ending February 1, 2020, with the following exception:
- NO₂ was not complete on January 26, 2020 due to an instrument error.

Sincerely,



Chris MacInnis
Director Giant Mine Remediation Project

c.c.: Distribution List