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March 31, 2020

Distribution List

Giant Mine Remediation Project Ambient Air Quality Monitoring Program summary for the week ending March 21, 2020.

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending March 21, 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, PM₁₀, and TSP filter samples collected at the site perimeter 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 March 10, 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 10, 2020 are pending;
- Laboratory analyses of asbestos samples collected at the community stations after March 4, 2020 are pending;
- There were no NO₂ 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 NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
March 15, 2020	15.2	1.5
March 16, 2020	1.8	0.7
March 17, 2020	11.5	4.0
March 18, 2020	23.8	6.0
March 19, 2020	12.1	3.5
March 20, 2020	11.6	4.5
March 21, 2020	29.0	8.8

General Operation

- Integrated sampling for TSP, PM₁₀, and trace metals (including arsenic) was conducted on March 16, 2020. The next regularly scheduled sampling is March 22, 2020;

Sincerely,



Natalie Plato
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List