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YELLOWKNIFE NT X1A 2R3

May 12, 2020

Distribution List

Giant Mine Remediation Project Ambient Air Quality Monitoring Program summary for the week ending May 2, 2020.

Site Perimeter Stations

- Air quality monitoring at the site perimeter stations was re-started at 12:00 AM on May 1, 2020 for the season;
- No 15-minute average particulate matter less than 10 microns in diameter (PM₁₀) concentrations above the established Risk Based Action Level (RBAL) of 159 µg/m³ were measured at the site perimeter monitoring stations during the week. PM₁₀ concentrations measured at the site perimeter monitoring locations during the week were typical of seasonal background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL of 333 µg/m³ were measured at the site perimeter monitoring stations during the week. TSP concentrations measured at the site perimeter monitoring locations during the week were typical of seasonal background concentrations;
- Laboratory analyses of integrated 24-hour arsenic, PM₁₀, and TSP filter samples collected at the site perimeter stations on and after May 3, 2019 are pending.

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 April 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 April 15, 2020 are pending;
- Laboratory analyses of asbestos samples collected at the community stations after April 9, 2020 are pending. Last asbestos sample was submitted for laboratory analysis on April 27, 2020;



- 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.

Table1
Niven Lake Community Station NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
April 26, 2020	5.0	0.7
April 27, 2020	2.9	1.0
April 28, 2020	3.8	1.8
April 29, 2020	7.2	1.9
April 30, 2020	0.4	0.3
May 01, 2020	3.2	0.8
May 02, 2020	3.6	1.5

General Operation

Integrated sampling for TSP, PM₁₀, and trace metals (including arsenic) was conducted on April 27, 2020. The next regularly scheduled sampling is May 3, 2020.

Sincerely,



Natalie Plato
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List