

From: [Garbutt, Nicole \(AADNC/AANDC\)](#)
Subject: Air Quality Monitoring Weekly Summary - Week ending January 26, 2019
Date: February 6, 2019 2:16:16 PM
Attachments: [January 26.pdf](#)

Good Afternoon,

A summary of the Giant Mine Remediation Project ambient air quality monitoring program (AAQM) for the week ending January 26, 2019 is attached and as follows:

Fence Line Network:

- Air quality monitoring at the fence line stations was completed at 12:00 AM December 19, 2018;
- There are no outstanding laboratory analyses of integrated 24-hour arsenic, PM₁₀, and TSP filter samples collected at the fence line stations.

Community Stations:

- No real-time 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 analyses of community station filters collected after December 25, 2018 are pending;
- Laboratory results from asbestos samples collected on December 19, 25, and 31, 2018 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 December 31, 2018 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 the daily hourly maximum concentrations and the daily 24-hour average concentrations measured at the Niven Lake community station during the week.

Niven Lake Community AAQM Station NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
January 20, 2019	28.6	9.3
January 21, 2019	16.4	5.0
January 22, 2019	28.9	8.6
January 23, 2019	17.9	7.4
January 24, 2019	9.3	3.1

January 25, 2019	3.5	2.5
January 26, 2019	15.9	5.0

C5-09 Stope Stabilization Program:

- Air quality monitoring associated with the C5-09 stope stabilization program was completed at 12:00 AM December 19, 2018;
- There are no outstanding laboratory analyses of integrated 24-hour arsenic and PM₁₀ filter samples collected at the C5-09 stations.

General Operation:

- The AAQM program operated as specified during the week ending January 26, 2019.

Nicole Garbutt

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February 4, 2019

Distribution List

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Sincerely,



Natalie Plato
Giant Mine Remediation Project

c.c.: Distribution List