

From: [Geneva Irwin](#)
Subject: Air Quality Monitoring Weekly Summary Week Ending in August 20
Date: Friday, August 26, 2016 1:59:15 PM
Attachments: [YELLOWKN-#853988-v1-GIANT - REGULATORY AND MONITORING - AQM_W.DOC](#)

Good Afternoon,

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending August 20, 2016 is as follows:

Fenceline Network

- 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 fenceline monitoring stations during the week. PM₁₀ concentrations measured at most of the fenceline locations during the week were typical of seasonal background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established fenceline RBAL of 333 µg/m³ were measured at the fenceline monitoring stations during the week. TSP concentrations measured at most of the fenceline locations during the week were typical of seasonal background concentrations;
- Laboratory results of arsenic concentrations from samples collected on July 29 and August 1, 2016 at the Fenceline E-Sampler locations were less than the analytical detection limit and/or below the referenced standards. Laboratory analyses of arsenic filter samples collected after August 1, 2016 are pending.

Community Stations:

- No 24-hour average concentrations of PM_{2.5} and PM₁₀ were measured above the referenced standards at the community stations during the week. PM_{2.5} and PM₁₀ concentrations during the week were typically representative of seasonal background concentrations;
- Laboratory results from TSP, PM₁₀, and trace metals (including arsenic) samples collected on July 23 and 26, 2016 at the community stations were less than the analytical detection limit and/or below the referenced standard. Laboratory analysis of community station filters collected after July 26, 2016 are pending;
 - Laboratory results from asbestos samples collected on August 4 and 7, 2016 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 on July 26, 29 and August 1, 2015 and after August 7, 2016 are pending.

General Operation:

- The AQM program operated as specified during the week ending August 13, 2016 with the following exceptions:
 - o August 17, 2016 beta attenuation monitor PM_{2.5} data at the NDL community station were incomplete due seven hours of invalid data, which were less than -3 µg/m³.

Best,

Craig Wells



PO BOX 1500
YELLOWKNIFE NT X1A 2R3

NT 853988

August 26, 2016

Distribution List

RE: Air Quality Reports for the Week of August 20, 2016.

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Sincerely,

A handwritten signature in black ink, appearing to read 'Craig Wells', with a stylized flourish at the end.

Craig Wells
Giant Mine Remediation Project

c.c.: Distribution List