

Permits

From: Geneva Irwin <Geneva.Irwin@aandc-aadnc.gc.ca>
Sent: Friday, June 17, 2016 1:19 PM
Subject: Air Quality Monitoring Summary Week Ending in June 11
Attachments: AQM June 11.pdf

Good Afternoon,

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending June 11, 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) (159 µg/m³) were measured at the fenceline monitoring stations during the week. PM₁₀ and TSP concentrations measured at the fenceline locations during the week were typical of seasonal background concentrations;
- No 15-minute average total suspended particulate (TSP) concentrations above the established RBAL (333 µg/m³) were measured at the fenceline monitoring stations during the week. TSP concentrations measured at fenceline locations during the week were typical of seasonal background concentrations;
- Two additional fenceline samplers were added to the network and began collecting data on Monday May 23rd, 2016: Site G-West and Site H-E04-NW Pond.

Community Stations:

- No twenty-four (24) hour average concentrations of PM_{2.5} and PM₁₀ were measured above the referenced standard at the community stations during the week. PM_{2.5} and PM₁₀ concentrations during the week were typical of seasonal background concentrations;
 - Laboratory results from available TSP, PM₁₀, and trace metals (including arsenic) samples collected on May 15, 18, 21, and 24, 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 May 24, 2016 are pending;
 - Laboratory results from asbestos samples collected on May 18, 21, and 24, 2016 at the community stations were less than the analytical detection limit and/or below the referenced standard. Laboratory analysis of asbestos samples collected at the community stations after May 24, 2016 are pending;

South Pond Air Monitoring:

- A Met One E-Sampler was operating at the south end of the South Tailings Pond to monitor for potential dust from the North, Central, and South Tailings Ponds during anticipated high seasonal winds historically occurring during the spring months;
- No 15-minute average PM₁₀ concentrations above the RBAL criteria (159 µg/m³) were measured at the South Pond Monitoring location during the week. PM₁₀ concentrations measured at this location during the week were typical of seasonal background concentrations;

- Laboratory results of arsenic concentrations from a sample collected on May 18, 21, 24, and 27, 2016 at the South Pond location were less than the analytical detection limit and/or below the referenced standards. Laboratory analysis of arsenic filter samples collected after May 27, 2016 are pending;

General Operations:

- The AQM program operated as specified during the week ending June 11, 2016, with the following exception:
 - The YCC community station data was not complete on June 7, 2016 due to a power an area wide power outage and June 8, 2016 due to SLR staff conducting maintenance on the computer system at the station.

Sincerely,

Natalie Plato



PO BOX 1500
YELLOWKNIFE NT X1A 2R3

NT 845910

June 17, 2016

Distribution List

RE: Air Quality Reports for the Week of June 11, 2016.

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Natalie Plato
Deputy Director
Giant Mine Remediation Project

c.c.: Distribution List