Distribution List

Giant Mine Remediation Project Ambient Air Quality Monitoring Program for the Week Ending February 29, 2020

A summary of the Giant Mine Remediation Project ambient air quality monitoring program for the week ending February 29, 2020 is as follows:

Fence Line Stations

- Air Quality monitoring at the fence line stations was completed at 12:00 AM December 1, 2019;
- All laboratory analyses of integrated 24-hour arsenic, PM$_{10}$, and TSP filter samples collected at the fence line stations have been reported.

Community Stations

- No continuous PM$_{2.5}$ or PM$_{10}$ 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, PM$_{10}$, and trace metals (including arsenic) samples collected on February 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 February 15, 2020 are pending;
- Laboratory results from asbestos samples collected on February 15 and 21, 2020 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 February 21, 2020 are pending;
- There were no NO$_2$ 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 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

<table>
<thead>
<tr>
<th>Date</th>
<th>Maximum One-hour Average (ppb)</th>
<th>24-hour Average (ppb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 23, 2020</td>
<td>3.1</td>
<td>1.5</td>
</tr>
<tr>
<td>February 24, 2020</td>
<td>18.8</td>
<td>5.1</td>
</tr>
<tr>
<td>February 25, 2020</td>
<td>8.0</td>
<td>2.9</td>
</tr>
<tr>
<td>February 26, 2020</td>
<td>4.2</td>
<td>2.5</td>
</tr>
<tr>
<td>February 27, 2020</td>
<td>3.8</td>
<td>1.7</td>
</tr>
<tr>
<td>February 28, 2020</td>
<td>29.7</td>
<td>11.3</td>
</tr>
<tr>
<td>February 29, 2020</td>
<td>4.6</td>
<td>1.3</td>
</tr>
</tbody>
</table>

General Operation

- Integrated sampling for TSP, PM₁₀, and trace metals (including arsenic) was conducted on February 27, 2020. The next regularly scheduled sampling is March 4, 2020.

Sincerely,

[Signature]

Natalie Plato
Deputy Director Giant Mine Remediation Project

c.c.: Distribution List