

# Hollinger Public Blast Report

**Blast Pattern:** 3346\_079  
**Date:** 5-Mar-18  
**Blast Time:** 11:36  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 30000 ft  
Boundary Layer Height: none m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 0 km/hr  
Wind Direction: N  
Temperature: -13.3 °C

## Noise Levels (L<sub>Aeq</sub>) – Noise Monitoring Instruments Reviewed:

**Noise Alert: Exceedances due to blast siren**

### **Blast Siren Locations:**

- 1: Hollinger Office**
- 2: Shania Twain**
- 3: Extendicare**

|                   | <b>L<sub>Aeq</sub></b> | <b>L<sub>peak</sub> dB</b> |
|-------------------|------------------------|----------------------------|
| Comfort Inn:      | 49.9 LAeq              | 101.9 dB                   |
| Edwards:          | 40.9 LAeq              | 93.8 dB                    |
| Fred:             | 41.4 LAeq              | 93.4 dB                    |
| Hollinger Office: | 52.9 LAeq              | 106.3 dB                   |
| Noah:             | 58.9 LAeq              | 99.4 dB                    |
| Sandy:            | 39.6 LAeq              | 106.5 dB                   |
| Water Tower:      | 47.6 LAeq              | 107.2 dB                   |
| Wilson:           | 51.2 LAeq              | 95.3 dB                    |

## Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No Exceedances recorded at 24hr.**

|                   | <b>Avg. PM10</b> | <b>Max PM10</b> | <b>Avg. TSP</b> | <b>Max TSP</b> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost:        | 5.5              | 6.3             | 2.3             | 3.8            |
| Edwards:          | 3.1              | 4.2             | 10.3            | 17.8           |
| Hollinger Office: | 14.2             | 23.4            | 23.7            | 43.1           |
| Sandy:            | 11.3             | 19.0            | 13.2            | 22.7           |

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PORCUPINE GOLD MINES

## NO<sub>x</sub> Levels (ppb) - NO<sub>x</sub> Monitoring Instruments Reviewed:

**NO<sub>x</sub> Alert: No exceedances recorded**

|                   | Avg. NO <sub>x</sub> | Max NO <sub>x</sub> |
|-------------------|----------------------|---------------------|
| Claimpost:        | 1.5                  | 1.6                 |
| Edwards:          | 1.3                  | 1.7                 |
| Hollinger Office: | 5.1                  | 6.8                 |
| Sandy:            | 8.3                  | 19.4                |

## Vibration (mm/s) – Vibration Instruments Reviewed:

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.3       | 0.2      | 0.2      |
| Edwards:                | 0.1       | 0.2      | 0.2      |
| Hollinger Office:       | 0.3       | 0.3      | 0.4      |
| Hollinger West:         | 0.2       | 0.3      | 0.2      |
| Imerys:                 | 0.4       | 0.4      | 0.2      |
| Noah:                   | 0.4       | 0.6      | 0.4      |
| Moneta Pumping Station: | 0.6       | 0.4      | 0.4      |
| Sandy:                  | 0.8       | 0.5      | 0.8      |
| Water Tower:            | 0.5       | 0.3      | 0.5      |
| Wilson:                 | 1.2       | 1.3      | 1.0      |