

# Hollinger Public Blast Report

**Blast Pattern:** 3346\_046Knob / 3346\_054  
**Date:** 29-Oct-17  
**Blast Time:** 11:58  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 7:50

## Blast Conditions

Ceiling Height: 600 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 4.5 km/hr  
Wind Direction: N  
Temperature: 0.2 °C

## Noise Levels ( $L_{Aeq}$ ) – 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:      | 54.2 LAeq              | 104.6 dB                   |
| Edwards:          | 44.4 LAeq              | 100.9 dB                   |
| Fred:             | 41.0 LAeq              | 89.0 dB                    |
| Hollinger Office: | 55.1 LAeq              | 112.2 dB                   |
| Noah:             | 60.6 LAeq              | 110.9 dB                   |
| Sandy:            | 41.1 LAeq              | 114.4 dB                   |
| Water Tower:      | 49.2 LAeq              | 120.2 dB                   |
| Wilson:           | 45.6 LAeq              | 111.3 dB                   |

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No exceedances recorded.**

|                   | <b>Avg. PM10</b> | <b>Max PM10</b> | <b>Avg. TSP</b> | <b>Max TSP</b> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost:        | 2.2              | 3.1             | 3.2             | 3.7            |
| Edwards:          | 3.0              | 3.8             | 7.5             | 8.6            |
| Hollinger Office: | 1.5              | 3.7             | 1.9             | 4.6            |
| Sandy:            | 2.3              | 3.3             | 2.7             | 4.4            |

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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:        | 0.2                  | 0.3                 |
| Edwards:          | 1.4                  | 1.8                 |
| Hollinger Office: | 2.1                  | 3.0                 |
| Sandy:            | 5.3                  | 8.4                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.2       | 0.1      | 0.2      |
| Edwards:                | 0.1       | 0.1      | 0.1      |
| Hollinger Office:       | 0.6       | 0.3      | 0.8      |
| Hollinger West:         | 1.7       | 1.2      | 2.5      |
| Imerys:                 | 2.7       | 2.6      | 4.5      |
| Noah:                   | 3.2       | 2.4      | 4.3      |
| Moneta Pumping Station: | 0.6       | 0.4      | 0.7      |
| Sandy:                  | 0.6       | 0.5      | 0.5      |
| Water Tower:            | 6.4       | 4.5      | 4.5      |
| Wilson:                 | 2.0       | 1.3      | 2.0      |