

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3358\_050 / 3346\_007E  
**Date:** 6-Feb-17  
**Blast Time:** 13:44  
**Blast Sign Activation:** 9:00  
**Website Notification Time:** 10:00

## Blast Conditions

Ceiling Height: 1200 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 13 km/hr  
Wind Direction: N  
Temperature: -15.2 °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:      | 51.9 LAeq              | 94.7 dB                    |
| Edwards:          | 55.2 LAeq              | 91.5 dB                    |
| Fred:             | 39.8 LAeq              | 97.3 dB                    |
| Hollinger Office: | 54.8 LAeq              | 105.2 dB                   |
| Noah:             | 58.9 LAeq              | 102.8 dB                   |
| Sandy:            | 61.6 LAeq              | 108.2 dB                   |
| Water Tower:      | 53.7 LAeq              | 112.5 dB                   |
| Wilson:           | 66.5 LAeq              | 117.2 dB                   |

## Dust Levels (µg/m<sup>3</sup>) – 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:        | 4.5              | 4.9             | 0.1             | 0.6            |
| Edwards:          | 5.0              | 6.5             | 3.0             | 3.8            |
| Hollinger Office: | 6.5              | 7.1             | 3.0             | 3.6            |
| Hollinger Park:   | 3.1              | 3.4             | 3.0             | 5.1            |
| Sandy:            | 6.9              | 9.9             | 7.9             | 15.0           |

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## 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:        | 0.4                  | 0.9                 |
| Edwards:          | 2.4                  | 3.1                 |
| Hollinger Office: | 13.5                 | 20.8                |
| Hollinger Park:   | 9.1                  | 12.7                |
| Sandy:            | 15.6                 | 22.1                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.3       | 0.3      | 0.4      |
| Edwards:                | 0.2       | 0.3      | 0.2      |
| Hollinger Office:       | 0.6       | 0.4      | 0.6      |
| Hollinger West:         | 3.5       | 1.3      | 2.8      |
| Imerys:                 | 1.2       | 2.8      | 1.6      |
| Noah:                   | 0.8       | 0.3      | 0.4      |
| Moneta Pumping Station: | 2.3       | 2.4      | 2.3      |
| Sandy:                  | 0.9       | 0.6      | 0.5      |
| Water Tower:            | 1.6       | 1.5      | 1.8      |
| Wilson:                 | 2.7       | 1.3      | 2.7      |