

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_079  
**Date:** 15-May-16  
**Blast Time:** 11:35  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 853 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 11.6 km/hr  
Wind Direction: SE  
Temperature: -0.6 °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:      | 56.4 LAeq              | 112.5 dB                   |
| Edwards:          | 60.6 LAeq              | 104.7 dB                   |
| Fred:             | 47.3 LAeq              | 109.5 dB                   |
| Hollinger Office: | 65.4 LAeq              | 110.5 dB                   |
| Noah:             | 61.3 LAeq              | 112.1 dB                   |
| Sandy:            | 62.8 LAeq              | 111.2 dB                   |
| Water Tower:      | 51.3 LAeq              | 117.1 dB                   |
| Wilson:           | 48.3 LAeq              | 113.5 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:        | 9.3              | 9.7             | 0.0             | 0.1            |
| Edwards:          | 1.8              | 2.0             | 2.7             | 4.2            |
| Hollinger Office: | 3.4              | 3.9             | 1.2             | 3.3            |
| Hollinger Park:   | 8.0              | 14.5            | 11.5            | 40.8           |
| Sandy:            | 2.4              | 3.1             | 4.4             | 10.7           |

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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:        | 0.3                  | 1.1                 |
| Edwards:          | 0.6                  | 0.9                 |
| Hollinger Office: | 1.6                  | 1.9                 |
| Hollinger Park:   | 0.8                  | 1.4                 |
| Sandy:            | 1.0                  | 2.4                 |

## 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:       | 0.4       | 0.3      | 0.7      |
| Hollinger West:         | 1.8       | 0.2      | 0.5      |
| Imerys:                 | 0.4       | 0.3      | 0.4      |
| Noah:                   | 0.5       | 0.2      | 0.4      |
| Moneta Pumping Station: | 1.4       | 0.8      | 1.3      |
| Sandy:                  | 2.4       | 1.7      | 2.3      |
| Water Tower:            | 0.8       | 0.4      | 1.0      |
| Wilson:                 | 1.2       | 1.1      | 1.0      |