

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_057  
**Date:** 7-Mar-16  
**Blast Time:** 11:39  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 3100 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 11 km/hr  
Wind Direction: N  
Temperature: 1.2 °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:      | 53.1 LAeq              | 101.9 dB                   |
| Edwards:          | 52.3 LAeq              | 92.6 dB                    |
| Fred:             | 43.2 LAeq              | 97.0 dB                    |
| Hollinger Office: | 59.9 LAeq              | 102.2 dB                   |
| Noah:             | 59.6 LAeq              | 99.6 dB                    |
| Sandy:            | 52.2 LAeq              | 100.8 dB                   |
| Water Tower:      | 46.7 LAeq              | 110.0 dB                   |
| Wilson:           | 53.2 LAeq              | 102.1 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:        | 7.0              | 7.4             | 2.7             | 3.3            |
| Edwards:          | 3.1              | 3.4             | 8.1             | 9.7            |
| Hollinger Office: | 4.2              | 4.4             | 7.1             | 8.1            |
| Hollinger Park:   | 4.3              | 4.8             | 9.6             | 13.0           |
| Sandy:            | 3.8              | 9.0             | 8.2             | 22.1           |

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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:        | 2.1                  | 2.7                 |
| Edwards:          | 3.4                  | 4.3                 |
| Hollinger Office: | 4.5                  | 6.2                 |
| Hollinger Park:   | 6.1                  | 11.7                |
| Sandy:            | 7.1                  | 30.4                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.4       | 0.3      | 0.2      |
| Edwards:                | 0.1       | 0.2      | 0.1      |
| Hollinger Office:       | 0.4       | 0.3      | 0.4      |
| Hollinger West:         | 1.7       | 0.1      | 0.3      |
| Imerys:                 | 0.4       | 0.4      | 0.4      |
| Noah:                   | 0.6       | 0.4      | 0.8      |
| Moneta Pumping Station: | 0.4       | 0.4      | 0.3      |
| Sandy:                  | 0.4       | 0.5      | 0.4      |
| Water Tower:            | 0.3       | 0.2      | 0.4      |
| Wilson:                 | 0.9       | 0.9      | 0.7      |