

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_108  
**Date:** 15-Mar-16  
**Blast Time:** 11:44  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 497 m  
Boundary Layer Height: n/a m  
Cloud Cover: Foggy  
Wind Speed: 1.4 km/hr  
Wind Direction: NW  
Temperature: 1.8 °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:      | 52.7 LAeq              | 98.1 dB                    |
| Edwards:          | 48.3 LAeq              | 95.4 dB                    |
| Fred:             | 41.1 LAeq              | 90.9 dB                    |
| Hollinger Office: | 60.8 LAeq              | 101.0 dB                   |
| Noah:             | 59.3 LAeq              | 95.9 dB                    |
| Sandy:            | 56.6 LAeq              | 113.7 dB                   |
| Water Tower:      | 56.4 LAeq              | 99.0 dB                    |
| Wilson:           | 45.3 LAeq              | 97.8 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:        | 19.8             | 23.6            | 10.3            | 13.4           |
| Edwards:          | 2.4              | 2.7             | 18.3            | 27.3           |
| Hollinger Office: | 6.7              | 11.5            | 14.6            | 19.6           |
| Hollinger Park:   | 3.0              | 5.4             | 10.9            | 16.5           |
| Sandy:            | 1.0              | 1.2             | 7.7             | 9.5            |

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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:        | 15.5                 | 26.5                |
| Edwards:          | 8.5                  | 14.8                |
| Hollinger Office: | 7.4                  | 10.2                |
| Hollinger Park:   | 5.1                  | 10.0                |
| Sandy:            | 3.1                  | 4.2                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.2       | 0.2      | 0.1      |
| Edwards:                | 0.2       | 0.2      | 0.1      |
| Hollinger Office:       | 0.2       | 0.2      | 0.1      |
| Hollinger West:         | 1.9       | 0.2      | 0.2      |
| Imerys:                 | 0.2       | 0.2      | 0.2      |
| Noah:                   | 0.3       | 0.3      | 0.4      |
| Moneta Pumping Station: | 3.4       | 2.5      | 2.2      |
| Sandy:                  | 2.5       | 2.6      | 1.4      |
| Water Tower:            | 0.2       | 0.3      | 0.2      |
| Wilson:                 | 0.6       | 0.8      | 0.8      |