

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3394\_061  
**Date:** 30-Mar-15  
**Blast Time:** 15:31  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 570m  
Boundary Layer Height: none  
Cloud Cover: 100% Overcast (Snow)  
Wind Speed: 17 km/hr  
Wind Direction: NW  
Temperature: -5.1 °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: Extencicare**

|                   | <b>L<sub>Aeq</sub></b> | <b>L<sub>peak</sub> dB</b> |
|-------------------|------------------------|----------------------------|
| Comfort Inn:      | 56.2 LAeq              | 111.2 dB                   |
| Edwards:          | 56.5 LAeq              | 95.9 dB                    |
| Fred:             | 46.7 LAeq              | 110.8 dB                   |
| Hollinger Office: | 57.1 LAeq              | 114.9 dB                   |
| Noah:             | 61.1 LAeq              | 110.2 dB                   |
| Sandy:            | 62.0 LAeq              | 101.4 dB                   |
| Water Tower:      | 53.3 LAeq              | 119.5 dB                   |
| Wilson:           | 51.5 LAeq              | 109.7 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:        | 8.2              | 8.8             | 9.8             | 11.0           |
| Edwards:          | 4.8              | 5.4             | 8.8             | 11.4           |
| Hollinger Office: | 7.4              | 8.0             | 11.0            | 13.7           |
| Hollinger Park:   | 5.6              | 6.2             | 10.9            | 12.2           |
| Sandy:            | 6.1              | 6.7             | 10.8            | 12.8           |

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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:        | 0.0                  | 0.0                 |
| Edwards:          | 1.9                  | 3.3                 |
| Hollinger Office: | 4.1                  | 4.7                 |
| Hollinger Park:   | 5.8                  | 8.7                 |
| Sandy:            | 3.3                  | 9.8                 |

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

**Vibration Alert: No exceedances recorded.**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.4       | 0.2      | 0.4      |
| Hollinger Office:       | 0.1       | 0.2      | 0.2      |
| Hollinger West:         | 0.1       | 0.1      | 0.2      |
| Imerys:                 | 0.2       | 0.2      | 0.1      |
| Noah:                   | 0.2       | 0.2      | 0.2      |
| Moneta Pumping Station: | 0.3       | 0.4      | 0.4      |
| Sandy:                  | 0.8       | 1.2      | 1.4      |
| Water Tower:            | 0.2       | 0.1      | 0.2      |
| Wilson:                 | 0.5       | 0.4      | 0.5      |