

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3376\_035  
**Date:** 21-Jul-15  
**Blast Time:** 15:50  
**Blast Sign Activation:** 7:00  
**Website Notification Time:** 6:45

## Blast Conditions

Ceiling Height: 1829 m  
Boundary Layer Height: None m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 10 km/hr  
Wind Direction: NNW  
Temperature: 21.9 °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:      | 59.1 LAeq              | 116.3 dB                   |
| Edwards:          | 59.1 LAeq              | 112.0 dB                   |
| Fred:             | 52.5 LAeq              | 115.1 dB                   |
| Hollinger Office: | 66.5 LAeq              | 118.0 dB                   |
| Noah:             | 61.5 LAeq              | 114.4 dB                   |
| Sandy:            | 54.8 LAeq              | 111.1 dB                   |
| Water Tower:      | 55.3 LAeq              | 123.2 dB                   |
| Wilson:           | 53.3 LAeq              | 112.4 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:        | 5.0              | 5.3             | 13.0            | 14.5           |
| Edwards:          | 11.3             | 18.2            | 17.0            | 27.2           |
| Hollinger Office: | 12.8             | 14.5            | 14.1            | 18.3           |
| Hollinger Park:   | 20.5             | 36.1            | 31.0            | 73.3           |
| Sandy:            | 17.3             | 31.3            | 30.8            | 64.3           |

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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:        | 0.9                  | 1.6                 |
| Edwards:          | 1.4                  | 2.1                 |
| Hollinger Office: | 2.3                  | 5.4                 |
| Hollinger Park:   | 2.1                  | 3.3                 |
| Sandy:            | 5.5                  | 26.4                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.3       | 0.1      | 0.2      |
| Edwards:                | 0.1       | 0.1      | 0.1      |
| Hollinger Office:       | 0.6       | 0.3      | 1.1      |
| Hollinger West:         | 0.2       | 0.1      | 0.1      |
| Imerys:                 | 0.4       | 0.5      | 0.6      |
| Noah:                   | 0.8       | 0.6      | 0.9      |
| Moneta Pumping Station: | 0.2       | 0.1      | 0.2      |
| Sandy:                  | 0.7       | 0.7      | 0.6      |
| Water Tower:            | 0.6       | 0.4      | 0.5      |
| Wilson:                 | 0.4       | 0.3      | 0.5      |