

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3346\_006 Preshear  
**Date:** 24-May-17  
**Blast Time:** 15:35  
**Blast Sign Activation:** 8:30  
**Website Notification Time:** 8:22

## Blast Conditions

Ceiling Height: 762 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 7.8 km/hr  
Wind Direction: W  
Temperature: 12.9 °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: Extencicare**

|                   | <b>L<sub>aeq</sub></b> | <b>L<sub>peak</sub> dB</b> |
|-------------------|------------------------|----------------------------|
| Comfort Inn:      | 56.1 LAeq              | 99.9 dB                    |
| Edwards:          | 45.8 LAeq              | 98.0 dB                    |
| Fred:             | 44.0 LAeq              | 89.1 dB                    |
| Hollinger Office: | 55.3 LAeq              | 100.6 dB                   |
| Noah:             | 62.4 LAeq              | 103.5 dB                   |
| Sandy:            | 42.7 LAeq              | 113.1 dB                   |
| Water Tower:      | 54.0 LAeq              | 107.7 dB                   |
| Wilson:           | 48.7 LAeq              | 120.2 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:        | 7.4              | 7.6             | 16.9            | 17.3           |
| Edwards:          | 4.7              | 5.0             | 6.8             | 8.8            |
| Hollinger Office: | 15.0             | 18.7            | 13.1            | 22.8           |
| Hollinger Park:   | 9.3              | 14.4            | 16.3            | 33.7           |
| Sandy:            | 3.6              | 4.5             | 2.9             | 6.2            |

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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:        | 2.8                  | 3.4                 |
| Edwards:          | 0.3                  | 0.7                 |
| Hollinger Office: | 3.0                  | 7.6                 |
| Hollinger Park:   | 2.3                  | 3.4                 |
| Sandy:            | 3.0                  | 4.5                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.1       | 0.1      | 0.1      |
| Edwards:                | 0.0       | 0.1      | 0.1      |
| Hollinger Office:       | 0.2       | 0.1      | 0.2      |
| Hollinger West:         | 6.4       | 3.5      | 5.5      |
| Imerys:                 | 0.9       | 0.5      | 0.7      |
| Noah:                   | 0.7       | 1.1      | 0.9      |
| Moneta Pumping Station: | 0.3       | 0.2      | 0.4      |
| Sandy:                  | 0.4       | 0.3      | 0.5      |
| Water Tower:            | 1.1       | 0.5      | 1.0      |
| Wilson:                 | 3.1       | 2.9      | 3.9      |