

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3352\_165/162B  
**Date:** 31-May-19  
**Blast Time:** 15:43  
**Blast Sign Activation:** 8:30  
**Website Notification Time:** 8:17

## Blast Conditions

Ceiling Height: 6000 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 75% Cloudy  
Wind Speed: 4 km/hr  
Wind Direction: NW  
Temperature: 13.8 °C

## Noise Levels ( $L_{Aeq}$ ) – Noise Monitoring Instruments Reviewed:

### Noise Alert:

#### Blast Siren Locations:

- 1: Hollinger Office
- 2: Shania Twain
- 3: Extendicare

|                   | <b><math>L_{Aeq}</math></b> | <b><math>L_{peak}</math> dB</b> |
|-------------------|-----------------------------|---------------------------------|
| Comfort Inn:      | 56.0 LAeq                   | 113.3 dB                        |
| Edwards:          | 45.1 LAeq                   | 101.8 dB                        |
| Fred:             | 43.7 LAeq                   | 92.8 dB                         |
| Hollinger Office: | 59.2 LAeq                   | 112.0 dB                        |
| Noah:             | 62.6 LAeq                   | 105.9 dB                        |
| Sandy:            | 43.0 LAeq                   | 102.2 dB                        |
| Water Tower:      | 46.8 LAeq                   | 110.2 dB                        |
| Wilson:           | 47.5 LAeq                   | 101.2 dB                        |

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 9.5       | 11.2     | 2.9      | 4.8     |
| Edwards:          | 7.8       | 8.4      | 9.8      | 19.6    |
| Hollinger Office: | 5.2       | 6.5      | 5.9      | 8.2     |
| Sandy:            | 17.9      | 55.9     | 16.1     | 59.7    |

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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:        | 0.4                  | 0.5                 |
| Edwards:          | 0.7                  | 1.5                 |
| Hollinger Office: | 2.1                  | 3.5                 |
| Sandy:            | 3.4                  | 8.2                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 5.0       | 2.6      | 2.0      |
| Edwards:                | 0.4       | 0.3      | 0.8      |
| Hollinger Office:       | 0.6       | 0.4      | 0.6      |
| Hollinger West:         | 0.2       | 0.1      | 0.2      |
| Imerys:                 | 0.6       | 0.3      | 0.5      |
| Noah:                   | 0.6       | 0.6      | 0.6      |
| Moneta Pumping Station: | 0.5       | 0.1      | 0.7      |
| Sandy:                  | 0.3       | 0.1      | 0.2      |
| Water Tower:            | 0.3       | 0.2      | 0.2      |
| Wilson:                 | 0.7       | 0.4      | 1.1      |