

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3382\_101  
**Date:** 12-Aug-15  
**Blast Time:** 15:41  
**Blast Sign Activation:** 10:00  
**Website Notification Time:** 11:00

## Blast Conditions

Ceiling Height: 2900 m  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 11 km/hr  
Wind Direction: NW  
Temperature: 21 °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:      | 55.5 LAeq              | 106.1 dB                   |
| Edwards:          | 50.9 LAeq              | 100.3 dB                   |
| Fred:             | 50.4 LAeq              | 98.9 dB                    |
| Hollinger Office: | 59.7 LAeq              | 110.0 dB                   |
| Noah:             | 60.8 LAeq              | 104.6 dB                   |
| Sandy:            | 54.9 LAeq              | 105.3 dB                   |
| Water Tower:      | 55.0 LAeq              | 107.7 dB                   |
| Wilson:           | 50.1 LAeq              | 100.5 dB                   |

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

**Dust Alert: Malfunction in TSP unit at Edward Stations**

**(bugs have gotten caught inside sensor, repairs in progress on Edwards)**

|                   | <b>Avg. PM10</b> | <b>Max PM10</b> | <b>Avg. TSP</b> | <b>Max TSP</b> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost:        | 6.1              | 6.3             | 6.0             | 6.8            |
| Edwards:          | 10.3             | 16.4            | 273.1           | 289.1          |
| Hollinger Office: | 13.4             | 38.4            | 13.9            | 46.9           |
| Hollinger Park:   | 6.9              | 8.3             | 15.0            | 21.6           |
| Sandy:            | 7.3              | 18.1            | 8.3             | 24.7           |

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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:        | 0.5                  | 1.1                 |
| Edwards:          | 0.5                  | 1.2                 |
| Hollinger Office: | 2.3                  | 5.6                 |
| Hollinger Park:   | 2.2                  | 4.3                 |
| Sandy:            | 3.3                  | 13.4                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.4       | 0.3      | 0.4      |
| Edwards:                | 0.2       | 0.2      | 0.2      |
| Hollinger Office:       | 0.4       | 0.1      | 0.2      |
| Hollinger West:         | 0.1       | 0.1      | 0.1      |
| Imerys:                 | 0.3       | 0.2      | 0.3      |
| Noah:                   | 0.2       | 0.4      | 0.2      |
| Moneta Pumping Station: | 0.3       | 0.2      | 0.4      |
| Sandy:                  | 0.7       | 0.8      | 1.4      |
| Water Tower:            | 0.4       | 0.2      | 0.2      |
| Wilson:                 | 0.4       | 0.3      | 0.4      |