

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370-024/025  
**Date:** 18-Jul-15  
**Blast Time:** 15:37  
**Blast Sign Activation:** 11:45  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 1537 m  
Boundary Layer Height: None m  
Cloud Cover: 75% Cloudy  
Wind Speed: 7 km/hr  
Wind Direction: SW  
Temperature: 25.1 °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:      | 53.1 LAeq              | 108.5 dB                   |
| Edwards:          | 53.4 LAeq              | 103.1 dB                   |
| Fred:             | 48.9 LAeq              | 102.2 dB                   |
| Hollinger Office: | 57.6 LAeq              | 119.8 dB                   |
| Noah:             | 59.6 LAeq              | 110.5 dB                   |
| Sandy:            | 52.2 LAeq              | 104.6 dB                   |
| Water Tower:      | 54.4 LAeq              | 119.3 dB                   |
| Wilson:           | 47.1 LAeq              | 101.7 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:        | 9.0              | 9.3             | 14.6            | 15.7           |
| Edwards:          | 6.0              | 6.9             | 22.4            | 27.4           |
| Hollinger Office: | 25.7             | 40.1            | 35.2            | 64.1           |
| Hollinger Park:   | 10.4             | 13.8            | 28.6            | 44.5           |
| Sandy:            | 4.3              | 4.8             | 22.4            | 24.2           |

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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:        | 0.4                  | 1.2                 |
| Edwards:          | 5.3                  | 10.3                |
| Hollinger Office: | 5.8                  | 11.3                |
| Hollinger Park:   | 3.0                  | 4.2                 |
| Sandy:            | 0.3                  | 0.5                 |

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

**Vibration Alert: No exceedances recorded**

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