

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3388\_066  
**Date:** 11-Mar-15  
**Blast Time:** 15:36  
**Blast Sign Activation:** 11:45  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 860m  
Boundary Layer Height: 80m  
Cloud Cover: 100% Overcast  
Wind Speed: 7 km/hr  
Wind Direction: W  
Temperature: 0.3 °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

|                   | $L_{Aeq}$      | $L_{Peak}$ |
|-------------------|----------------|------------|
| Comfort Inn:      | 58.7 $L_{Aeq}$ | 60.9dB     |
| Edwards:          | 57.0 $L_{Aeq}$ | 55.6 dB    |
| Fred:             | 52.8 $L_{Aeq}$ | 54.8 dB    |
| Hollinger Office: | 59.8 $L_{Aeq}$ | 60.8 dB    |
| Noah:             | 62.3 $L_{Aeq}$ | 64.1 dB    |
| Sandy:            | 60.3 $L_{Aeq}$ | 58.4 dB    |
| Water Tower:      | 62.8 $L_{Aeq}$ | 63.7 dB    |
| Wilson:           | 57.0 $L_{Aeq}$ | 59.8 dB    |

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

**Dust Alert: No exceedances recorded.**

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 7.0       | 7.8      | 15.6     | 19.9    |
| Edwards:          | 5.7       | 9.1      | 8.8      | 14.4    |
| Hollinger Office: | 8.1       | 9.5      | 17.5     | 45.2    |
| Hollinger Park:   | 3.1       | 4.0      | 12.7     | 23.0    |
| Sandy:            | 3.0       | 4.8      | 11.3     | 17.3    |

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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                  | 1.2                 |
| Edwards:          | 2.3                  | 2.7                 |
| Hollinger Office: | 4.5                  | 5.3                 |
| Hollinger Park:   | 6.4                  | 9.0                 |
| Sandy:            | 4.7                  | 11.5                |

## 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 Temp:           | 0.0       | 0.1      | 0.0      |
| Hollinger Office:       | 0.0       | 0.1      | 0.1      |
| Hollinger West:         | 4.8       | 1.7      | 1.5      |
| Imerys:                 | 0.1       | 0.1      | 0.1      |
| Noah:                   | 0.1       | 0.2      | 0.1      |
| Moneta Pumping Station: | 0.1       | 0.1      | 0.1      |
| Sandy:                  | 0.1       | 0.0      | 0.1      |
| Water Tower:            | 0.2       | 0.2      | 0.2      |
| Wilson:                 | 0.1       | 0.2      | 0.2      |