

# Hollinger Public Blast Report

**Blast Pattern:** 3373\_036  
**Date:** 03-Jan-16  
**Blast Time:** 13:56  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 11:45

## Blast Conditions

Ceiling Height: 640 m  
Boundary Layer Height: None m  
Cloud Cover: 75% Cloudy  
Wind Speed: 6 km/hr  
Wind Direction: W  
Temperature: -18.6 °C

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

**Noise Alert: Exceedances due blast sirens.**

### **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:      | 49.5 LAeq              | 103.5 dB                   |
| Edwards:          | 47.8 LAeq              | 92.4 dB                    |
| Fred:             | 39.5 LAeq              | 99.4 dB                    |
| Hollinger Office: | 59.1 LAeq              | 108.2 dB                   |
| Noah:             | 56.5 LAeq              | 100.7 dB                   |
| Sandy:            | 56.2 LAeq              | 102.2 dB                   |
| Water Tower:      | LAeq                   | dB                         |
| Wilson:           | 49.2 LAeq              | 98.4 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:        | 19.2             | 20.9            | 18.8            | 20.3           |
| Edwards:          | 11.4             | 12.1            | 27.3            | 29.7           |
| Hollinger Office: | 14.4             | 15.7            | 23.5            | 26.1           |
| Hollinger Park:   | 11.0             | 12.9            | 26.2            | 29.6           |
| Sandy:            | 19.6             | 29.4            | 25.7            | 36.8           |

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PORCUPINE GOLD MINES

## 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:        | 1.1                  | 1.8                 |
| Edwards:          | 1.6                  | 2.1                 |
| Hollinger Office: | 3.5                  | 4.4                 |
| Hollinger Park:   | 3.2                  | 4.1                 |
| Sandy:            | 2.8                  | 8.3                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.6       | 1.1      | 0.6      |
| Edwards:                | 0.3       | 0.3      | 0.2      |
| Hollinger Office:       | 0.4       | 0.3      | 0.3      |
| Hollinger West:         | 1.7       | 0.1      | 0.2      |
| Imerys:                 | 0.2       | 0.3      | 0.2      |
| Noah:                   | 0.4       | 0.4      | 0.6      |
| Moneta Pumping Station: | 0.4       | 0.4      | 0.4      |
| Sandy:                  | 1.9       | 1.7      | 1.8      |
| Water Tower:            | 0.2       | 0.3      | 0.3      |
| Wilson:                 | 0.9       | 0.5      | 1.2      |