

# Hollinger Public Blast Report

**Blast Pattern:** 3370\_022  
**Date:** 26-Jun-15  
**Blast Time:** 11:42  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:15

## Blast Conditions

Ceiling Height: n/a m  
Boundary Layer Height: None m  
Cloud Cover: 25%-Scattered Clouds  
Wind Speed: 5 km/hr  
Wind Direction: SW  
Temperature: 23.7 °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**

|                   | $L_{Aeq}$ |           | $L_{peak}$ dB |    |
|-------------------|-----------|-----------|---------------|----|
| Comfort Inn:      | 54.4      | $L_{Aeq}$ | 100.6         | dB |
| Edwards:          | 61.4      | $L_{Aeq}$ | 99.0          | dB |
| Fred:             | 49.3      | $L_{Aeq}$ | 97.4          | dB |
| Hollinger Office: | 65.7      | $L_{Aeq}$ | 111.1         | dB |
| Noah:             | 60.9      | $L_{Aeq}$ | 108.7         | dB |
| Sandy:            | 51.1      | $L_{Aeq}$ | 104.5         | dB |
| Water Tower:      | 46.9      | $L_{Aeq}$ | 120.7         | dB |
| Wilson:           | 48.1      | $L_{Aeq}$ | 106.2         | 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:        | 7.3       | 8.9      | 16.3     | 19.6    |
| Edwards:          | 10.0      | 12.8     | 15.6     | 21.7    |
| Hollinger Office: | 6.3       | 12.8     | 16.6     | 40.0    |
| Hollinger Park:   | 10.2      | 26.1     | 21.4     | 54.8    |
| Sandy:            | 5.7       | 7.7      | 13.8     | 22.2    |

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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:        | 3.9                  | 11.0                |
| Edwards:          | 3.6                  | 7.7                 |
| Hollinger Office: | 3.4                  | 4.9                 |
| Hollinger Park:   | 2.0                  | 6.1                 |
| Sandy:            | 1.1                  | 2.0                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV                             | Vert PPV | Long PPV |
|-------------------------|---------------------------------------|----------|----------|
| Comfort Inn:            | 0.2                                   | 0.2      | 0.2      |
| Edwards:                | 0.1                                   | 0.1      | 0.1      |
| Hollinger Office:       | 1.1                                   | 0.3      | 0.5      |
| Hollinger West:         | 0.3                                   | 0.3      | 0.4      |
| Imerys:                 | 1.1                                   | 1.7      | 2        |
| Noah:                   | 1.2                                   | 0.8      | 1.2      |
| Moneta Pumping Station: | 0.5                                   | 0.4      | 0.7      |
| Sandy:                  | 9.4                                   | 1.9      | 2.1      |
| Water Tower:            | (Off due to water tower construction) |          |          |
| Wilson:                 | 1.6                                   | 1        | 1.1      |