

## Hollinger Public Blast Report

**Blast Pattern:** 3394\_031  
**Date:** July 14, 2014  
**Blast Time:** 11:38  
**Blast Sign Activation:** 07:45  
**Website Notification Time:** 07:30

### Blast Conditions

Ceiling Height: 1300m  
 Boundary Layer Height: >4000m  
 Cloud Cover: 50% (Partly Cloudy)  
 Wind Speed: 14 km/hr  
 Wind Direction: W  
 Temperature: 19.0°C

### Noise Levels (L<sub>Aeq</sub>) – 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></b> |
|-------------------|------------------------|-------------------------|
| Comfort Inn:      | 55.7 L <sub>Aeq</sub>  | 109.4 dB                |
| Edwards:          | 70.6 L <sub>Aeq</sub>  | 115.3 dB                |
| Fred:             | 53.7 L <sub>Aeq</sub>  | 114.8 dB                |
| Hollinger Office: | 67.6 L <sub>Aeq</sub>  | 110.5 dB                |
| Noah:             | 61.3 L <sub>Aeq</sub>  | 111.4 dB                |
| Sandy:            | 71.6 L <sub>Aeq</sub>  | 107.4 dB                |
| Water Tower:      | 56.2 L <sub>Aeq</sub>  | 122.0 dB                |
| Wilson:           | 53.0 L <sub>Aeq</sub>  | 111.1 dB                |

### Dust Levels (µg/m<sup>3</sup>) – 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> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Edwards:          | 9.5              | 27.9            | 14.5            | 74.3           |
| Hollinger Office: | 15.3             | 24.2            | 31.8            | 47.3           |
| Hollinger Park:   | 7.1              | 10.1            | 20.0            | 30.8           |
| Sandy:            | 2.6              | 3.1             | 14.8            | 16.1           |

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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> |
|-----------------------------|----------------------|---------------------|
| GC1-379 (Hollinger Park):   | 13.5                 | 37.8                |
| GC2-380 (Hollinger Office): | 8.1                  | 9.8                 |
| GC3-381 (Hollinger Park):   | 2.4                  | 4.6                 |
| GC4-382 (Sandy):            | 0.5                  | 0.8                 |

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

**Vibration Alert: No exceedances recorded.**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.5       | 0.3      | 0.5      |
| Edwards:                | 0.3       | 0.1      | 0.4      |
| Hollinger Office:       | 0.3       | 0.1      | 0.4      |
| Hollinger West:         | 0.1       | 0.0      | 0.1      |
| Imerys:                 | 0.2       | 0.2      | 0.3      |
| Noah:                   | 0.3       | 0.2      | 0.3      |
| Moneta Pumping Station: | 0.6       | 0.3      | 0.4      |
| Sandy:                  | 2.1       | 1.0      | 2.7      |
| Water Tower:            | 0.4       | 0.1      | 0.2      |
| Wilson:                 | 0.7       | 0.4      | 0.4      |