

## Hollinger Public Blast Report

**Blast Pattern:** 3394\_030  
**Date:** July 7, 2014  
**Blast Time:** 15:39  
**Blast Sign Activation:** 08:00  
**Website Notification Time:** 08:00

### Blast Conditions

Ceiling Height: 1960m  
 Boundary Layer Height: 80m  
 Cloud Cover: 50% (Cloudy)  
 Wind Speed: 15 km/hr  
 Wind Direction: W  
 Temperature: 23.1 °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>LA<sub>eq</sub></b> | <b>L<sub>Peak</sub></b> |
|-------------------|------------------------|-------------------------|
| Comfort Inn:      | 52.6 L <sub>Aeq</sub>  | 116.9 dB                |
| Edwards:          | 58.1 L <sub>Aeq</sub>  | 117.5 dB                |
| Fred:             | 53.2 L <sub>Aeq</sub>  | 97.0 dB                 |
| Hollinger Office: | 69.2 L <sub>Aeq</sub>  | 121.9 dB                |
| Noah:             | 60.1 L <sub>Aeq</sub>  | 108.5 dB                |
| Sandy:            | 72.8 L <sub>Aeq</sub>  | 98.8 dB                 |
| Water Tower:      | 52.5 L <sub>Aeq</sub>  | 108.0 dB                |
| Wilson:           | 48.5 L <sub>Aeq</sub>  | 95.9 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:          | 12.5             | 15.9            | 11.3            | 23.2           |
| Hollinger Office: | 31.6             | 43.1            | 42.4            | 51.5           |
| Hollinger Park:   | 14.4             | 17.3            | 26.7            | 31.2           |
| Sandy:            | 7.9              | 8.8             | 22.2            | 23.2           |

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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> |
|-----------------------------|----------------------|---------------------|
| GC1-379 (Hollinger Park):   | 8.9                  | 30.2                |
| GC2-380 (Hollinger Office): | 6.6                  | 9.2                 |
| GC3-381 (Hollinger Park):   | 2.2                  | 4.1                 |
| GC4-382 (Sandy):            | 0.8                  | 1.2                 |

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

**Vibration Alert: No exceedances recorded.**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.4       | 0.2      | 0.5      |
| Edwards:                | 0.2       | 0.1      | 0.3      |
| Hollinger Office:       | 0.2       | 0.1      | 0.2      |
| Hollinger West:         | 0.1       | 0.1      | 0.1      |
| Imerys:                 | 0.2       | 0.3      | 0.2      |
| Noah:                   | 0.3       | 0.2      | 0.4      |
| Moneta Pumping Station: | 0.8       | 0.3      | 0.6      |
| Sandy:                  | 2.3       | 1.7      | 2.0      |
| Water Tower:            | 0.3       | 0.1      | 0.1      |
| Wilson:                 | 0.8       | 0.6      | 0.6      |