

## Hollinger Public Blast Report

**Blast Pattern:** 3394\_026 & 3394\_032  
**Date:** July 20, 2014  
**Blast Time:** 15:44  
**Blast Sign Activation:** 08:00  
**Website Notification Time:** 08:00

### Blast Conditions

Ceiling Height: 2320 m  
 Boundary Layer Height: 1850 m  
 Cloud Cover: 100% (Overcast)  
 Wind Speed: 10 km/hr  
 Wind Direction: S  
 Temperature: 23.9 °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:	52.8 L <sub>Aeq</sub>	111.0 dB
Edwards:	53.7 L <sub>Aeq</sub>	112.2 dB
Fred:	53.8 L <sub>Aeq</sub>	105.4 dB
Hollinger Office:	65.6 L <sub>Aeq</sub>	113.3 dB
Noah:	61.7 L <sub>Aeq</sub>	108.4 dB
Sandy:	60.6 L <sub>Aeq</sub>	112.6 dB
Water Tower:	51.3 L <sub>Aeq</sub>	112.9 dB
Wilson:	48.4 L <sub>Aeq</sub>	109.5 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:	25.5	53.1	38.4	68.4
Hollinger Office:	43.7	101.7	80.5	180.8
Hollinger Park:	14.9	19.4	29.0	40.3
Sandy:	19.4	26.4	29.2	42.4

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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):	6.5	16.0
GC2-380 (Hollinger Office):	8.2	21.6
GC3-381 (Hollinger Park):	1.5	2.9
GC4-382 (Sandy):	0.9	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	0.4
Edwards:	0.2	0.1	0.2
Hollinger Office:	0.2	0.1	0.3
Hollinger West:	0.0	0.0	0.1
Imerys:	0.2	0.2	0.2
Noah:	0.6	0.4	0.5
Moneta Pumping Station:	0.6	0.4	0.5
Sandy:	1.9	1.0	1.5
Water Tower:	0.3	0.1	0.4
Wilson:	0.5	0.3	0.4