

## Hollinger Public Blast Report

**Blast Pattern:** 3394\_036  
**Date:** July 5, 2014  
**Blast Time:** 15:31  
**Blast Sign Activation:** 07:45  
**Website Notification Time:** 07:30

### Blast Conditions

Ceiling Height: 3260m  
 Boundary Layer Height: 2160m  
 Cloud Cover: 100% (Overcast)  
 Wind Speed: 10 km/hr  
 Wind Direction: SW  
 Temperature: 21.1 °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>L<sub>Aeq</sub></b>	<b>L<sub>Peak</sub></b>
Comfort Inn:	54.4 L <sub>Aeq</sub>	120.0 dB
Edwards:	63.9 L <sub>Aeq</sub>	126.0 dB
Fred:	53.9 L <sub>Aeq</sub>	114.1 dB
Hollinger Office:	71.2 L <sub>Aeq</sub>	118.9 dB
Noah:	61.2 L <sub>Aeq</sub>	116.8 dB
Sandy:	63.6 L <sub>Aeq</sub>	119.2 dB
Water Tower:	58.3 L <sub>Aeq</sub>	117.6 dB
Wilson:	51.9 L <sub>Aeq</sub>	114.0 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:	83.2	606.7	70.1	618.7
Hollinger Office:	29.0	43.8	23.6	37.6
Hollinger Park:	23.8	27.2	24.4	28.6
Sandy:	14.7	16.6	20.4	23.9

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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):	15.3	118.1
GC2-380 (Hollinger Office):	4.3	5.4
GC3-381 (Hollinger Park):	1.2	1.6
GC4-382 (Sandy):	0.5	0.6

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

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.4	0.3	0.2
Edwards:	0.2	0.3	0.3
Hollinger Office:	0.2	0.2	0.1
Hollinger West:	0.1	0.1	0.2
Imerys:	0.2	0.1	0.3
Noah:	0.4	0.3	0.3
Moneta Pumping Station:	2.2	1.3	2.3
Sandy:	5.6	2.7	4.6
Water Tower:	0.3	0.1	0.3
Wilson:	1.0	0.4	0.6