

## Hollinger Public Blast Report

**Blast Pattern:** 3394\_034 / 038b  
**Date:** Sept 16, 2014  
**Blast Time:** 15:32  
**Blast Sign Activation:** 07:45  
**Website Notification Time:** 07:45

### Blast Conditions

Ceiling Height: 1860 m  
 Boundary Layer Height: 1990 m  
 Cloud Cover: 100% (Overcast)  
 Wind Speed: 11 km/hr  
 Wind Direction: SW  
 Temperature: 14.3 °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:	58.4 L <sub>Aeq</sub>	119.0 dB
Fred:	51.7 L <sub>Aeq</sub>	110.8 dB
Hollinger Office:	58.7 L <sub>Aeq</sub>	115.9 dB
Noah:	62.9 L <sub>Aeq</sub>	114.0 dB
Sandy:	70.3 L <sub>Aeq</sub>	105.1 dB
Water Tower:	Off (Due to construction work and painting)	
Wilson:	54.1 L <sub>Aeq</sub>	113.3 dB

### Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No exceedances recorded.**

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	10.8	13.0	20.8	24.8
Edwards:	42.8	85.4	46.9	103.2
Hollinger Office:	77.1	97.4	68.5	83.7
Hollinger Park:	15.2	21.8	34.8	49.2
Sandy:	8.5	9.0	16.1	18.4

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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>
Claimpost:	3.2	6.9
Edwards:	17.1	29.2
Hollinger Office:	8.0	8.8
Hollinger Park:	4.5	7.6
Sandy:	1.1	1.5

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

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.3	0.4
Edwards:	0.2	0.2	0.2
Hollinger Office:	0.2	0.1	0.2
Hollinger West:	0.1	0.1	0.2
Imerys:	0.3	0.4	0.4
Noah:	0.2	0.4	0.2
Moneta Pumping Station:	0.5	0.3	0.7
Sandy:	2.0	1.1	2.3
Water Tower:	Off (Due to construction work and painting)		
Wilson:	0.7	0.5	0.9