

# Hollinger Public Blast Report

**Blast Pattern:** 3376\_002B  
**Date:** February 12, 2015  
**Blast Time:** 11:38  
**Blast Sign Activation:** 07:45  
**Website Notification Time:** 07:45

## Blast Conditions

Ceiling Height: 420 m  
 Boundary Layer Height: >4000 m  
 Cloud Cover: 50% Partially Cloudy  
 Wind Speed: 10 km/hr  
 Wind Direction: NW  
 Temperature: -26.0 °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:	54.3 L <sub>Aeq</sub>	107.8 dB
Edwards:	54.1 L <sub>Aeq</sub>	97.0 dB
Fred:	48.6 L <sub>Aeq</sub>	113.2 dB
Hollinger Office:	58.6 L <sub>Aeq</sub>	115.7 dB
Noah:	59.5 L <sub>Aeq</sub>	108.3 dB
Sandy:	62.3 L <sub>Aeq</sub>	100.6 dB
Water Tower:	56.7 L <sub>Aeq</sub>	121.7 dB
Wilson:	51.9 L <sub>Aeq</sub>	111.0 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>
Claimpost:	24.0	29.7	27.4	32.4
Edwards:	11.0	13.2	28.7	36.3
Hollinger Office:	14.2	16.6	27.4	33.6
Hollinger Park:	12.7	15.9	34.1	44.2
Sandy:	19.3	24.0	33.3	44.2

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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>
Claimpost:	0.9	1.6
Edwards:	2.5	3.8
Hollinger Office:	4.9	8.3
Hollinger Park:	8.2	13.2
Sandy:	4.3	16.4

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

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.7	0.3	0.6
Edwards Temp:	0.2	0.2	0.1
Hollinger Office:	0.3	0.3	0.5
Hollinger West:	0.1	0.1	0.1
Imerys:	0.2	0.2	0.2
Noah:	0.3	0.3	0.3
Moneta Pumping Station:	0.2	0.2	0.2
Sandy:	0.6	0.4	0.6
Water Tower:	0.1	0.1	0.2
Wilson:	0.5	0.3	0.3