

# Hollinger Public Blast Report

**Blast Pattern: 3364\_027**

**Date: Oct 3, 2014**

**Blast Time: 15:42**

**Blast Sign Activation: 08:00**

**Website Notification Time: 08:00**

## Blast Conditions

Ceiling Height: >4000m

Boundary Layer Height: 1440m

Cloud Cover: 100% (Overcast)

Wind Speed: 22 km/hr

Wind Direction: SE

Temperature: 18.4 °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:	58.6 L <sub>Aeq</sub>	107.7 dB
Edwards:	56.1 L <sub>Aeq</sub>	116.2 dB
Fred:	55.2 L <sub>Aeq</sub>	116.5 dB
Hollinger Office:	60.7 L <sub>Aeq</sub>	118.1 dB
Noah:	63.4 L <sub>Aeq</sub>	114.8 dB
Sandy:	70.1 L <sub>Aeq</sub>	110.8 dB
Water Tower:	Off (Due to painting of the water tower)	
Wilson:	57.5 L <sub>Aeq</sub>	118.6 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	24.6	28.0	31.4	33.1
Edwards:	16.5	20.3	38.4	40.5
Hollinger Office:	14.4	17.8	36.6	37.6
Hollinger Park:	15.8	20.9	47.1	51.5
Sandy:	13.8	16.0	41.8	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:	1.0	1.6
Edwards:	1.8	4.3
Hollinger Office:	5.8	20.3
Hollinger Park:	3.9	16.6
Sandy:	2.2	2.6

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

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.1	0.1
Edwards:	0.1	0.0	0.1
Hollinger Office:	0.1	0.1	0.2
Hollinger West:	0.4	0.2	0.3
Imerys:	0.4	0.3	0.3
Noah:	0.2	0.4	0.4
Moneta Pumping Station:	0.3	0.2	0.5
Sandy:	1.9	1.1	1.4
Water Tower:	Off (Due to painting of the water tower)		
Wilson:	0.9	0.8	0.8