

# Hollinger Public Blast Report

**Blast Pattern: 3364\_002 & 3364\_003**

**Date: June 16, 2014**

**Blast Time: 15:30**

**Blast Sign Activation: 07:30**

**Website Notification Time: 07:30**

## Blast Conditions

Ceiling Height: >4000m

Boundary Layer Height: 140m

Cloud Cover: 50% (Partly Cloudy)

Wind Speed: 5 km/hr

Wind Direction: SW

Temperature: 26.1 °C

## Noise Levels ( $L_{Aeq}$ ) – Noise Monitoring Instruments Reviewed:

**Noise Alert: Exceedances due to blast siren**

### **Blast Siren Locations:**

**1: Hollinger Office**

**2: Shania Twain**

**3: Extendicare**

Comfort Inn:	55.8 $L_{Aeq}$
Edwards:	62.7 $L_{Aeq}$
Fred:	45.7 $L_{Aeq}$
Hollinger Office:	62.9 $L_{Aeq}$
Noah:	61.1 $L_{Aeq}$
Sandy:	66.1 $L_{Aeq}$
Water Tower:	50.6 $L_{Aeq}$
Wilson:	55.7 $L_{Aeq}$

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No exceedances recorded.**

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Edwards:	14.1	15.9	4.3	8.0
Hollinger Office:	53.9	153.1	53.7	141.7
Hollinger Park:	17.9	25.6	30.0	47.8
Sandy:	10.1	20.8	18.8	31.5

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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):	8.2	24.2
GC2-380 (Hollinger Office):	6.8	14.9
GC3-381 (Hollinger Park):	3.5	6.2
GC4-382 (Sandy):	1.0	1.6

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

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.0	0.1
Edwards:	0.0	0.0	0.0
Hollinger Office:	0.3	0.2	0.3
Hollinger West:	1.8	1.6	1.1
Imerys:	0.9	1.1	1.0
Noah:	0.6	0.7	0.6
Moneta Pumping Station:	0.2	0.2	0.3
Sandy:	0.6	0.5	0.7
Water Tower:	1.2	1.2	1.1
Wilson:	1.3	0.9	1.0