

# Hollinger Public Blast Report

**Blast Pattern:** 3322\_059, 3334\_123  
**Date:** 15-Mar-20  
**Blast Time:** 11:43  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 32808 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 0% Clear  
Wind Speed: 11 km/hr  
Wind Direction: N  
Temperature: -12.6 °C

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

### Noise Alert:

#### Blast Siren Locations:

- 1: Hollinger Office
- 2: Shania Twain
- 3: Extendicare

	<b><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	49.2 LAeq	111.7 dB
Edwards:	38.1 LAeq	100.4 dB
Fred:	35.8 LAeq	93.3 dB
Hollinger Office:	47.1 LAeq	117.0 dB
Noah:	54.3 LAeq	106.1 dB
Sandy:	38.8 LAeq	106.9 dB
Water Tower:	43.2 LAeq	112.5 dB
Wilson:	55.7 LAeq	107.7 dB

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

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	4.1	6.6	3.4	7.5
Edwards:	2.3	3.2	16.9	28.8
Hollinger Office:	7.6	12.9	23.9	54.4
Sandy:	13.4	21.4	22.8	39.2

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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:	0.3	1.8
Edwards:	6.0	18.7
Hollinger Office:	14.4	37.7
Sandy:	19.0	54.2

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.4	0.6
Edwards:	0.1	0.1	0.2
Hollinger Office:	0.8	0.6	0.9
Hollinger West:	0.9	0.4	0.7
Imerys:	0.5	0.9	1.3
Noah:	2.9	1.3	1.5
Moneta Pumping Station:	0.3	0.2	0.2
Sandy:	0.6	0.3	0.5
Water Tower:	1.7	1.4	1.3
Wilson:	2.1	1.1	2.3