

# Hollinger Public Blast Report

**Blast Pattern:** 3334\_134, 3310\_208B  
**Date:** 24-May-20  
**Blast Time:** 11:34  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 5905 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast Rain  
Wind Speed: 17 km/hr  
Wind Direction: SW  
Temperature: 17.7 °C

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

### Noise Alert:

#### Blast Siren Locations:

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

	<b>L<sub>Aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	56.4 LAeq	106.6 dB
Edwards:	50.3 LAeq	104.2 dB
Fred:	48.6 LAeq	106.9 dB
Hollinger Office:	55.6 LAeq	116.9 dB
Noah:	60.8 LAeq	112.8 dB
Sandy:	49.3 LAeq	109.2 dB
Water Tower:	55.0 LAeq	122.3 dB
Wilson:	50.1 LAeq	103.9 dB

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

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	17.2	19.3	20.0	26.1
Edwards:	8.6	9.5	24.7	27.6
Hollinger Office:	30.3	44.5	36.0	77.2
Sandy:	8.2	10.2	19.4	25.7

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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:	1.5	2.3
Edwards:	1.9	2.8
Hollinger Office:	3.9	19.9
Sandy:	1.1	1.7

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.4	0.4
Edwards:	0.1	0.1	0.1
Hollinger Office:	2.0	0.7	2.2
Hollinger West:	1.4	0.4	1.2
Imerys:	1.5	1.7	2.4
Noah:	2.3	1.3	2.4
Moneta Pumping Station:	0.4	0.2	0.5
Sandy:	0.5	0.6	1.1
Water Tower:	5.2	3.9	6.0
Wilson:	2.4	1.4	1.6