

# Hollinger Public Blast Report

**Blast Pattern:** 3316\_051, 3310\_221 PS  
**Date:** 19-Apr-21  
**Blast Time:** 11:40  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 16076 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 7  
Wind Direction: N  
Temperature: 11.2 °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:	54.3 LAeq	100.7 dB
Edwards:	46.6 LAeq	105.0 dB
Fred:	52.5 LAeq	104.3 dB
Hollinger Office:	56.1 LAeq	120.3 dB
Noah:	60.6 LAeq	104.8 dB
Sandy:	47.9 LAeq	102.4 dB
Water Tower:	51.0 LAeq	108.9 dB
Wilson:	55.4 LAeq	107.4 dB

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

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	9.8	14.1	13.6	21.4
Edwards:	7.9	9.1	14.0	16.6
Hollinger Office:	17.0	21.2	28.7	52.3
Sandy:	8.7	12.8	23.9	28.5

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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>
Claimpost:	1.1	3.9
Edwards:	0.1	0.4
Hollinger Office:	5.8	16.6
Sandy:	2.1	3.2

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.9	0.7	2.0
Edwards:	0.8	0.7	0.4
Hollinger Office:	0.7	0.4	0.8
Hollinger West:	1.0	0.3	0.7
Imerys:	1.1	0.6	1.1
Noah:	1.3	0.7	1.3
Moneta Pumping Station:	0.7	0.7	0.7
Sandy:	0.8	0.5	1.2
Water Tower:	1.4	0.5	1.2
Wilson:	1.7	0.6	2.5