

# Hollinger Public Blast Report

**Blast Pattern:** 3316\_054, 3316\_050 A,B  
**Date:** 29-Apr-21  
**Blast Time:** 11:42  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 9843 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 4  
Wind Direction: SE  
Temperature: 14.8 °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:	54.4 LAeq	104.1 dB
Edwards:	55.1 LAeq	96.4 dB
Fred:	42.3 LAeq	94.9 dB
Hollinger Office:	56.9 LAeq	109.7 dB
Noah:	62.3 LAeq	102.7 dB
Sandy:	45.9 LAeq	106.0 dB
Water Tower:	50.3 LAeq	114.9 dB
Wilson:	48.3 LAeq	101.3 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:	14.9	24.3	17.8	27.7
Edwards:	23.3	30.1	19.8	30.4
Hollinger Office:	47.0	52.7	28.4	40.5
Sandy:	17.8	52.5	21.7	90.7

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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:	4.0	6.6
Edwards:	7.6	19.7
Hollinger Office:	5.3	11.6
Sandy:	4.5	19.3

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.4	0.2	0.5
Edwards:			
Hollinger Office:	1.2	0.5	1.0
Hollinger West:	0.7	0.2	0.8
Imerys:	1.2	1.1	2.2
Noah:	1.2	1.1	1.4
Moneta Pumping Station:	0.7	0.5	0.7
Sandy:	1.0	0.5	1.1
Water Tower:	1.2	0.6	1.5
Wilson:	1.9	1.0	1.8