

# Hollinger Public Blast Report

**Blast Pattern:** 3268\_005  
**Date:** 23-Mar-22  
**Blast Time:** 11:40  
**Blast Sign Activation:** 7:22  
**Website Notification Time:** 7:18

## Blast Conditions

Ceiling Height: 20,013 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 26  
Wind Direction: E  
Temperature: -1.8 °C

## Noise Levels (L<sub>Aeq</sub>) – Noise Monitoring Instruments Reviewed:

### Noise Alert:

### Blast Siren Locations:

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

|                   | L <sub>Aeq</sub> | L <sub>peak</sub> dB |
|-------------------|------------------|----------------------|
| Comfort Inn:      | 54.8 LAeq        | 102.9 dB             |
| Edwards:          | 48.2 LAeq        | 108.2 dB             |
| Fred:             | 46.2 LAeq        | 107.4 dB             |
| Hollinger Office: | 55.4 LAeq        | 115.0 dB             |
| Noah:             | 56.7 LAeq        | 111.2 dB             |
| Sandy:            | 44.9 LAeq        | 108.7 dB             |
| Water Tower:      | 47.5 LAeq        | 117.7 dB             |
| Wilson:           | 53.3 LAeq        | 108.9 dB             |

## Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 10.3      | 11.7     | 11.1     | 14.0    |
| Edwards:          | 19.4      | 30.2     | 33.9     | 46.2    |
| Hollinger Office: | 11.8      | 14.0     | 17.8     | 25.0    |
| Sandy:            | 25.1      | 43.0     | 23.6     | 41.0    |

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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:        | 1.3                  | 1.9                 |
| Edwards:          | 1.5                  | 2.4                 |
| Hollinger Office: | 1.8                  | 2.4                 |
| Sandy:            | 2.9                  | 10.6                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.1       | 0.1      | 0.1      |
| Edwards:                | 0.1       | 0.1      | 0.1      |
| Hollinger Office:       | 0.3       | 0.2      | 0.4      |
| Hollinger West:         | 0.7       | 0.5      | 0.7      |
| Imerys:                 | 0.4       | 0.4      | 0.3      |
| Noah:                   | 1.0       | 0.7      | 0.9      |
| Moneta Pumping Station: | 1.2       | 0.8      | 1.1      |
| Sandy:                  | 4.4       | 1.9      | 2.8      |
| Water Tower:            | 0.7       | 0.7      | 0.9      |
| Wilson:                 | 1.6       | 1.3      | 1.9      |



