

# Hollinger Public Blast Report

**Blast Pattern:** 3292-221ps  
**Date:** 17-May-22  
**Blast Time:** 11:47  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 1,800 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 20  
Wind Direction: NW  
Temperature: 5.2 °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:      | 58.8 LAeq        | 107.6 dB             |
| Edwards:          | 55.6 LAeq        | 104.6 dB             |
| Fred:             | 48.9 LAeq        | 109.1 dB             |
| Hollinger Office: | 61.3 LAeq        | 111.8 dB             |
| Noah:             | 62.7 LAeq        | 108.2 dB             |
| Sandy:            | LAeq             | dB                   |
| Water Tower:      | 53.0 LAeq        | 117.9 dB             |
| Wilson:           | 54.9 LAeq        | 116.2 dB             |

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

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 10.6      | 11.4     | 21.6     | 22.3    |
| Edwards:          | 3.6       | 4.4      | 17.8     | 22.1    |
| Hollinger Office: | 5.7       | 9.2      | 22.5     | 49.3    |
| Sandy:            | 7.1       | 8.3      | 9.7      | 11.4    |

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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:        | 0.1                  | 0.2                 |
| Edwards:          | 0.7                  | 1.1                 |
| Hollinger Office: | 3.3                  | 6.6                 |
| Sandy:            | 2.6                  | 5.2                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.6       | 0.8      | 0.4      |
| Edwards:                | 0.4       | 0.3      | 0.5      |
| Hollinger Office:       | 1.3       | 0.4      | 1.1      |
| Hollinger West:         | 0.9       | 0.6      | 0.7      |
| Imerys:                 | 0.9       | 1.1      | 0.9      |
| Noah:                   | 2.0       | 1.0      | 1.0      |
| Moneta Pumping Station: | 0.9       | 1.0      | 1.5      |
| Sandy:                  | 1.2       | 1.9      | 3.1      |
| Water Tower:            | 0.9       | 1.6      | 1.4      |
| Wilson:                 | 5.0       | 1.4      | 1.9      |



