

# Hollinger Public Blast Report

**Blast Pattern:** 3316\_086  
**Date:** 11-Aug-21  
**Blast Time:** 11:35  
**Blast Sign Activation:** 7:25  
**Website Notification Time:** 7:16

## Blast Conditions

Ceiling Height: 1,969 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 75% Cloudy  
Wind Speed: 11  
Wind Direction: SW  
Temperature: 23.5 °C

## Noise Levels (L<sub>Aeq</sub>) – 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:      | 56.2 LAeq              | 110.2 dB                   |
| Edwards:          | 52.8 LAeq              | 109.0 dB                   |
| Fred:             | 47.5 LAeq              | 114.2 dB                   |
| Hollinger Office: | 66.7 LAeq              | 117.4 dB                   |
| Noah:             | 62.5 LAeq              | 110.8 dB                   |
| Sandy:            | 50.6 LAeq              | 105.4 dB                   |
| Water Tower:      | 56.0 LAeq              | 126.0 dB                   |
| Wilson:           | 53.1 LAeq              | 106.4 dB                   |

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

|                   | <b>Avg. PM10</b> | <b>Max PM10</b> | <b>Avg. TSP</b> | <b>Max TSP</b> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost:        | 26.4             | 26.6            | 54.6            | 56.5           |
| Edwards:          | 11.1             | 11.5            | 43.4            | 44.9           |
| Hollinger Office: | 23.2             | 30.5            | 66.5            | 101.1          |
| Sandy:            | 12.1             | 13.5            | 37.8            | 39.2           |

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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:        | 0.9                  | 2.1                 |
| Edwards:          | 2.7                  | 7.1                 |
| Hollinger Office: | 24.3                 | 84.3                |
| Sandy:            | 1.4                  | 1.7                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 1.2       | 0.1      | 0.9      |
| Edwards:                | 0.1       | 0.0      | 0.1      |
| Hollinger Office:       | 0.9       | 0.2      | 0.4      |
| Hollinger West:         | 0.3       | 2.8      | 0.1      |
| Imerys:                 | 0.5       | 1.5      | 0.3      |
| Noah:                   | 0.5       | 1.3      | 0.4      |
| Moneta Pumping Station: | 0.1       | 0.6      | 0.0      |
| Sandy:                  | 0.1       | 1.0      | 0.1      |
| Water Tower:            | 0.2       | 1.7      | 0.1      |
| Wilson:                 | 0.7       | 3.8      | 0.3      |