

# Hollinger Public Blast Report

**Blast Pattern:** 3298\_007  
**Date:** 11-Mar-21  
**Blast Time:** 15:31  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 1969 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 35  
Wind Direction: SW  
Temperature: 4.6 °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:      | 61.1 LAeq              | 120.6 dB                   |
| Edwards:          | 60.3 LAeq              | 121.7 dB                   |
| Fred:             | 54.3 LAeq              | 116.7 dB                   |
| Hollinger Office: | 67.0 LAeq              | 130.1 dB                   |
| Noah:             | 63.3 LAeq              | 117.5 dB                   |
| Sandy:            | 60.1 LAeq              | 119.8 dB                   |
| Water Tower:      | 67.1 LAeq              | 127.6 dB                   |
| Wilson:           | 59.6 LAeq              | 120.3 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:        | 3.9              | 4.2             | 5.7             | 6.8            |
| Edwards:          | 2.0              | 2.2             | 6.9             | 7.7            |
| Hollinger Office: | 6.7              | 7.8             | 11.1            | 12.3           |
| Sandy:            | 2.1              | 2.4             | 4.4             | 5.3            |

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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:        | 1.2                  | 1.9                 |
| Edwards:          | 1.7                  | 5.8                 |
| Hollinger Office: | 4.9                  | 6.1                 |
| Sandy:            | 1.4                  | 1.7                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.0       | 0.0      | 0.0      |
| Edwards:                | 0.0       | 0.0      | 0.1      |
| Hollinger Office:       | 0.1       | 0.1      | 0.1      |
| Hollinger West:         | 0.8       | 1.2      | 0.8      |
| Imerys:                 | 0.2       | 0.2      | 0.1      |
| Noah:                   | 0.3       | 1.0      | 0.3      |
| Moneta Pumping Station: | 0.4       | 0.4      | 0.4      |
| Sandy:                  | 1.8       | 1.5      | 2.2      |
| Water Tower:            | 0.3       | 0.3      | 0.2      |
| Wilson:                 | 2.2       | 2.0      | 3.0      |