

# Hollinger Public Blast Report

**Blast Pattern:** 3334\_118  
**Date:** 25-Jan-20  
**Blast Time:** 11:31  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 656 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast Snow  
Wind Speed: 9 km/hr  
Wind Direction: E  
Temperature: 0.3 °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:      | 52.4 LAeq              | 104.7 dB                   |
| Edwards:          | 46.0 LAeq              | 100.3 dB                   |
| Fred:             | 43.1 LAeq              | 93.8 dB                    |
| Hollinger Office: | 54.9 LAeq              | 114.0 dB                   |
| Noah:             | 59.6 LAeq              | 107.6 dB                   |
| Sandy:            | 42.1 LAeq              | 101.0 dB                   |
| Water Tower:      | 50.4 LAeq              | 110.1 dB                   |
| Wilson:           | 56.8 LAeq              | 101.2 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:        | 8.4              | 12.1            | 7.7             | 10.4           |
| Edwards:          | 11.9             | 12.3            | 10.3            | 10.9           |
| Hollinger Office: | 0.0              | 0.0             | 9.9             | 14.3           |
| Sandy:            | 4.1              | 4.3             | 8.2             | 8.9            |

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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:        | 1.5                  | 2.0                 |
| Edwards:          | 2.3                  | 3.3                 |
| Hollinger Office: | 4.6                  | 6.3                 |
| Sandy:            | 1.9                  | 3.7                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.7       | 0.4      | 0.7      |
| Edwards:                | 0.2       | 0.2      | 0.3      |
| Hollinger Office:       | 0.2       | 0.2      | 0.3      |
| Hollinger West:         | 0.1       | 0.1      | 0.1      |
| Imerys:                 | 0.2       | 0.1      | 0.2      |
| Noah:                   | 0.4       | 0.2      | 0.7      |
| Moneta Pumping Station: | 0.2       | 0.1      | 0.2      |
| Sandy:                  | 0.2       | 0.1      | 0.2      |
| Water Tower:            | 0.1       | 0.1      | 0.1      |
| Wilson:                 | 0.5       | 0.3      | 0.4      |