

# Hollinger Public Blast Report

**Blast Pattern:** 3310\_048  
**Date:** 18-Nov-20  
**Blast Time:** 11:43  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 2296 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 9 km/hr  
Wind Direction: SW  
Temperature: -10.7 °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:      | 53.1 LAeq              | 110.6 dB                   |
| Edwards:          | 47.2 LAeq              | 104.9 dB                   |
| Fred:             | 43.3 LAeq              | 100.3 dB                   |
| Hollinger Office: | 54.4 LAeq              | 106.4 dB                   |
| Noah:             | 57.9 LAeq              | 103.8 dB                   |
| Sandy:            | 48.1 LAeq              | 109.4 dB                   |
| Water Tower:      | 46.9 LAeq              | 114.9 dB                   |
| Wilson:           | 46.5 LAeq              | 111.3 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:        | 16.4             | 26.5            | 10.7            | 27.4           |
| Edwards:          | 10.5             | 16.5            | 14.4            | 20.4           |
| Hollinger Office: | 9.9              | 13.5            | 13.1            | 17.1           |
| Sandy:            | 6.6              | 9.6             | 8.0             | 10.7           |

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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:        | 0.6                  | 1.2                 |
| Edwards:          | 0.9                  | 1.6                 |
| Hollinger Office: | 5.1                  | 8.7                 |
| Sandy:            | 1.7                  | 2.1                 |

## 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:                | 0.3       | 0.1      | 0.1      |
| Hollinger Office:       | 0.7       | 0.4      | 0.7      |
| Hollinger West:         | 1.0       | 0.4      | 0.7      |
| Imerys:                 | 0.9       | 1.3      | 1.4      |
| Noah:                   | 0.8       | 0.8      | 0.7      |
| Moneta Pumping Station: | 0.8       | 0.6      | 0.7      |
| Sandy:                  | 4.2       | 2.3      | 3.2      |
| Water Tower:            | 1.8       | 1.5      | 1.4      |
| Wilson:                 | 1.4       | 1.4      | 1.3      |