

# Hollinger Public Blast Report

**Blast Pattern:** 3328\_121/122  
**Date:** 28-Sep-20  
**Blast Time:** 15:41  
**Blast Sign Activation:** 7:15  
**Website Notification Time:** 7:20

## Blast Conditions

Ceiling Height: 984 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 6 km/hr  
Wind Direction: E  
Temperature: 13.3 °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:      | 58.0 LAeq              | 110.0 dB                   |
| Edwards:          | 46.6 LAeq              | 101.4 dB                   |
| Fred:             | 45.3 LAeq              | 88.3 dB                    |
| Hollinger Office: | 58.6 LAeq              | 110.7 dB                   |
| Noah:             | 62.0 LAeq              | 101.8 dB                   |
| Sandy:            | 56.2 LAeq              | 99.5 dB                    |
| Water Tower:      | 49.8 LAeq              | 106.5 dB                   |
| Wilson:           | 50.3 LAeq              | 99.7 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:        |                  |                 | 9.5             | 10.2           |
| Edwards:          | 7.4              | 12.4            | 15.6            | 28.2           |
| Hollinger Office: | 7.7              | 8.2             | 17.2            | 18.3           |
| Sandy:            | 6.2              | 7.1             | 10.4            | 11.5           |

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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                  | 1.8                 |
| Edwards:          | 2.9                  | 3.9                 |
| Hollinger Office: | 4.2                  | 8.9                 |
| Sandy:            | 9.6                  | 26.5                |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 1.2       | 0.6      | 0.8      |
| Edwards:                | 0.1       | 0.1      | 0.1      |
| Hollinger Office:       | 0.5       | 0.3      | 0.6      |
| Hollinger West:         | 0.1       | 0.1      | 0.1      |
| Imerys:                 | 0.3       | 0.2      | 0.3      |
| Noah:                   | 0.5       | 0.4      | 0.4      |
| Moneta Pumping Station: | 0.2       | 0.1      | 0.1      |
| Sandy:                  | 0.1       | 0.1      | 0.1      |
| Water Tower:            | 0.2       | 0.2      | 0.3      |
| Wilson:                 | 0.7       | 0.3      | 0.9      |