

# Hollinger Public Blast Report



**Blast Pattern:** 3340\_126  
**Date:** 24-Oct-19  
**Blast Time:** 11:38  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 2000 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 19 km/hr  
Wind Direction: NW  
Temperature: 4.1 °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:      | 56.9 LAeq              | 109.4 dB                   |
| Edwards:          | 54.9 LAeq              | 104.7 dB                   |
| Fred:             | 48.0 LAeq              | 106.4 dB                   |
| Hollinger Office: | 56.8 LAeq              | 111.4 dB                   |
| Noah:             | 63.0 LAeq              | 106.2 dB                   |
| Sandy:            | 43.9 LAeq              | 104.8 dB                   |
| Water Tower:      | 50.4 LAeq              | 116.5 dB                   |
| Wilson:           | 50.4 LAeq              | 106.3 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:        | 21.7             | 26.4            | 20.0            | 35.7           |
| Edwards:          | 5.7              | 16.0            | 13.9            | 42.7           |
| Hollinger Office: | 12.8             | 35.3            | 14.7            | 45.6           |
| Sandy:            | 7.6              | 9.3             | 3.8             | 5.4            |

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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:        | 0.5                  | 1.2                 |
| Edwards:          | 4.2                  | 12.6                |
| Hollinger Office: | 3.9                  | 5.7                 |
| Sandy:            | 3.5                  | 3.9                 |

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

**Vibration Alert: No exceedances recorded**

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