

# Hollinger Public Blast Report

**Blast Pattern:** 3286\_058  
**Date:** 17-Feb-23  
**Blast Time:** 11:42  
**Blast Sign Activation:** 7:15  
**Website Notification Time:** 7:17

## Blast Conditions

Ceiling Height: 29,856 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 6 km/h  
Wind Direction: E  
Temperature: -17.0 °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:      | 51.1 LAeq              | 103.4 dB                   |
| Edwards:          | 55.0 LAeq              | 99.6 dB                    |
| Fred:             | 41.9 LAeq              | 92.1 dB                    |
| Hollinger Office: | 55.6 LAeq              | 109.7 dB                   |
| Noah:             | 59.0 LAeq              | 101.1 dB                   |
| Sandy:            | 39.9 Laeq              | 104.4 dB                   |
| Water Tower:      | 41.5 LAeq              | 106.8 dB                   |
| Wilson:           | 51.4 LAeq              | 100.7 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:        | 1.7              | 3.4             | 4.1             | 7.0            |
| Edwards:          | 5.8              | 17.0            | 11.2            | 30.3           |
| Hollinger Office: | 2.6              | 4.4             | 9.3             | 27.9           |
| Sandy:            | 8.9              | 10.8            | 9.9             | 13.2           |

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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:        | 0.2                  | 0.8                 |
| Edwards:          | 2.7                  | 8.5                 |
| Hollinger Office: | 5.9                  | 11.8                |
| Sandy:            | 4.3                  | 7.3                 |

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

**Vibration Alert: No exceedances recorded**

|                        | Trans PPV | Vert PPV | Long PPV |
|------------------------|-----------|----------|----------|
| Comfort Inn:           | 0.4       | 0.4      | 0.6      |
| Edwards:               | 0.1       | 0.1      | 0.2      |
| Hollinger Office:      | 1.2       | 0.7      | 0.5      |
| Hollinger West:        | 0.3       | 0.2      | 0.2      |
| Imerys:                | 0.4       | 0.3      | 0.8      |
| Noah:                  | 0.9       | 0.8      | 1.0      |
| Moneta Pumping Station | 0.4       | 0.2      | 0.3      |
| Sandy:                 | 1.0       | 0.4      | 0.7      |
| Water Tower:           | 0.4       | 0.2      | 0.3      |
| Wilson:                | 1.0       | 0.9      | 1.0      |



