

# Hollinger Public Blast Report

**Blast Pattern:** 3286\_075  
**Date:** 15-Apr-23  
**Blast Time:** 11:36  
**Blast Sign Activation:** 7:25  
**Website Notification Time:** 7:18

## Blast Conditions

|                        |        |                  |
|------------------------|--------|------------------|
| Ceiling Height:        | 29,856 | ft               |
| Boundary Layer Height: | n/a    | m                |
| Cloud Cover:           | 25%    | Scattered Clouds |
| Wind Speed:            | 11     | km/h             |
| Wind Direction:        | S      |                  |
| Temperature:           | 20.8   | °C               |

## Noise Levels (L<sub>Aeq</sub>) – Noise Monitoring Instruments Reviewed:

### Noise Alert:

### Blast Siren Locations:

- 1: Hollinger Office
- 2: Shania Twain
- 3: Extendicare

|                   |      | L <sub>Aeq</sub> | L <sub>peak</sub> dB |
|-------------------|------|------------------|----------------------|
| Comfort Inn:      | 54   | LAeq             | 101.1 dB             |
| Edwards:          | 46.3 | LAeq             | 95.6 dB              |
| Fred:             | 48.3 | LAeq             | 96.5 dB              |
| Hollinger Office: | 52.9 | LAeq             | 104.3 dB             |
| Noah:             | 58.9 | LAeq             | 98.1 dB              |
| Sandy:            | 42.2 | L <sub>Aeq</sub> | 98.5 dB              |
| Water Tower:      | 44.7 | LAeq             | 104.3 dB             |
| Wilson:           | 44.9 | LAeq             | 94.9 dB              |

## Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 19.9      | 23.0     | 16.6     | 22.0    |
| Edwards:          | 13.5      | 16.8     | 26.4     | 49.7    |
| Hollinger Office: | 48.6      | 192.4    | 58.9     | 230.2   |
| Sandy:            | 17.5      | 21.0     | 24.3     | 28.6    |

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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:        | 0.3                  | 0.5                 |
| Edwards:          | 1.7                  | 2.4                 |
| Hollinger Office: | 5.7                  | 16.7                |
| Sandy:            | 0.7                  | 0.9                 |

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

**Vibration Alert: No exceedances recorded**

|                        | Trans PPV | Vert PPV | Long PPV |
|------------------------|-----------|----------|----------|
| Comfort Inn:           | 0.4       | 0.2      | 0.3      |
| Edwards:               | 0.1       | 0.1      | 0.1      |
| Hollinger Office:      | 1.3       | 0.6      | 1.0      |
| Hollinger West:        | 0.3       | 0.1      | 0.3      |
| Imerys:                | 0.8       | 0.6      | 1.1      |
| Noah:                  | 1.4       | 0.9      | 1.1      |
| Moneta Pumping Station | 0.2       | 0.1      | 0.4      |
| Sandy:                 | 0.3       | 0.1      | 0.3      |
| Water Tower:           | 0.4       | 0.3      | 0.3      |
| Wilson:                | 0.6       | 0.4      | 0.5      |



