

# Hollinger Public Blast Report

**Blast Pattern:** 3256\_213ps  
**Date:** 15-Jul-23  
**Blast Time:** 15:34  
**Blast Sign Activation:** 7:20  
**Website Notification Time:** 7:20

## Blast Conditions

|                        |       |                  |
|------------------------|-------|------------------|
| Ceiling Height:        | 2,624 | ft               |
| Boundary Layer Height: | N/A   | m                |
| Cloud Cover:           | 50%   | Partially Cloudy |
| Wind Speed:            | 11    | km/h             |
| Wind Direction:        | S     |                  |
| Temperature:           | 25.1  | °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:      | 54.7 LAeq              | 101.4 dB                   |
| Edwards:          | 47.7 LAeq              | 108.8 dB                   |
| Fred:             | 42.7 LAeq              | 99.8 dB                    |
| Hollinger Office: | 53.9 LAeq              | 113.8 dB                   |
| Noah:             | 57.8 LAeq              | 107.5 dB                   |
| Sandy:            | 49.5 LAeq              | 103.8 dB                   |
| Water Tower:      | 46.9 LAeq              | 108 dB                     |
| Wilson:           | 49.1 LAeq              | 104.6 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:        | 39.9             | 42.5            | 2.9             | 6.0            |
| Edwards:          | 15.1             | 17.6            | 66.3            | 81.2           |
| Hollinger Office: | 47.1             | 66.3            | 119.8           | 167.1          |
| Sandy:            | 47.6             | 53.0            | 51.2            | 58.8           |

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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:        | 1.0                  | 1.4                 |
| Edwards:          | 1.1                  | 2.0                 |
| Hollinger Office: | 4.0                  | 7.5                 |
| Sandy:            | 1.2                  | 1.3                 |

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

**Vibration Alert: No exceedances recorded**

|                        | Trans PPV | Vert PPV | Long PPV |
|------------------------|-----------|----------|----------|
| Comfort Inn:           | 1.3       | 1.2      | 1.0      |
| Edwards:               | 0.3       | 0.3      | 0.4      |
| Hollinger Office:      | 2.3       | 0.6      | 1.0      |
| Hollinger West:        | 0.3       | 0.3      | 0.1      |
| Imerys:                | 1.0       | 0.5      | 1.4      |
| Noah:                  | 1.7       | 0.5      | 2.1      |
| Moneta Pumping Station | 0.2       | 0.2      | 0.2      |
| Sandy:                 | 0.4       | 0.3      | 0.5      |
| Water Tower:           | 0.5       | 0.4      | 0.9      |
| Wilson:                | 2.4       | 1.1      | 1.2      |



