

# Hollinger Public Blast Report

**Blast Pattern:** 3262\_050 ramp  
**Date:** 6-Aug-23  
**Blast Time:** 11:46  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:30

## Blast Conditions

|                        |        |                  |
|------------------------|--------|------------------|
| Ceiling Height:        | 20,013 | ft               |
| Boundary Layer Height: | N/A    | m                |
| Cloud Cover:           | 25%    | Scattered Clouds |
| Wind Speed:            | 6      | km/h             |
| Wind Direction:        | S      |                  |
| Temperature:           | 23.4   | °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:      | 53.0 LAeq              | 112.8 dB                   |
| Edwards:          | 43.2 LAeq              | 97.4 dB                    |
| Fred:             | 40.1 LAeq              | 89.1 dB                    |
| Hollinger Office: | 54.9 LAeq              | 118.8 dB                   |
| Noah:             | 57.3 LAeq              | 106.5 dB                   |
| Sandy:            | 47.1 LAeq              | 101.2 dB                   |
| Water Tower:      | 47.1 LAeq              | 112.7 dB                   |
| Wilson:           | 47.2 LAeq              | 100.6 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:        | 16.2             | 19.4            | 1.9             | 2.4            |
| Edwards:          | 7.3              | 9.1             | 22.3            | 34.0           |
| Hollinger Office: |                  |                 | 0.0             |                |
| Sandy:            | 4.1              | 6.7             | 20.4            | 24.9           |

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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:        | 0.0                  | 0.2                 |
| Edwards:          | 1.2                  | 2.0                 |
| Hollinger Office: |                      |                     |
| Sandy:            | 0.7                  | 0.8                 |

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

**Vibration Alert: No exceedances recorded**

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



