

# Hollinger Public Blast Report

**Blast Pattern:** 3304\_075  
**Date:** 13-Jun-22  
**Blast Time:** 11:36  
**Blast Sign Activation:** 7:00  
**Website Notification Time:** 7:00

## Blast Conditions

|                        |        |       |
|------------------------|--------|-------|
| Ceiling Height:        | 15,092 | ft    |
| Boundary Layer Height: | n/a    | m     |
| Cloud Cover:           | 0%     | Clear |
| Wind Speed:            | 11     |       |
| Wind Direction:        | NW     |       |
| Temperature:           | 19.3   | °C    |

## Noise Levels ( $L_{Aeq}$ ) – Noise Monitoring Instruments Reviewed:

### Noise Alert:

#### Blast Siren Locations:

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

|                   | $L_{Aeq}$ | $L_{peak}$ dB |
|-------------------|-----------|---------------|
| Comfort Inn:      | 56.3 LAeq | 103.8 dB      |
| Edwards:          | 49.4 LAeq | 96.7 dB       |
| Fred:             | 46.3 LAeq | 99.4 dB       |
| Hollinger Office: | 57.0 LAeq | 110.3 dB      |
| Noah:             | 61.5 LAeq | 104.9 dB      |
| Sandy:            | 44.6 LAeq | 108.5 dB      |
| Water Tower:      | 48.0 LAeq | 108.8 dB      |
| Wilson:           | 48.8 LAeq | 106.9 dB      |

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 17.1      | 17.6     | 28.0     | 28.9    |
| Edwards:          | 8.4       | 15.5     | 10.7     | 25.5    |
| Hollinger Office: | 13.9      | 14.7     | 14.9     | 17.9    |
| Sandy:            | 5.9       | 8.6      | 17.5     | 21.6    |

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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:        | 0.0                  | 0.0                 |
| Edwards:          | 0.0                  | 0.0                 |
| Hollinger Office: | 1.4                  | 2.3                 |
| Sandy:            | 1.6                  | 5.1                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.3       | 0.2      | 0.5      |
| Edwards:                | 0.2       | 0.1      | 0.2      |
| Hollinger Office:       | 1.1       | 0.3      | 0.7      |
| Hollinger West:         | 1.4       | 0.2      | 0.8      |
| Imerys:                 | 0.8       | 0.7      | 0.9      |
| Noah:                   | 1.1       | 0.7      | 1.0      |
| Moneta Pumping Station: | 1.0       | 0.8      | 1.3      |
| Sandy:                  | 0.6       | 1.1      | 1.6      |
| Water Tower:            | 1.1       | 0.4      | 1.3      |
| Wilson:                 | 1.4       | 1.1      | 1.6      |



