

# Hollinger Public Blast Report

**Blast Pattern:** 3310\_063/3316\_090  
**Date:** 9-Oct-21  
**Blast Time:** 11:36  
**Blast Sign Activation:** 7:15  
**Website Notification Time:** 6:45

## Blast Conditions

Ceiling Height: 1,640 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 9  
Wind Direction: S  
Temperature: 17.6 °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:      | 55.0 LAeq        | 96.7 dB              |
| Edwards:          | 47.1 LAeq        | 96.6 dB              |
| Fred:             | 46.8 LAeq        | 94.9 dB              |
| Hollinger Office: | 54.3 LAeq        | 103.3 dB             |
| Noah:             | 60.5 LAeq        | 101.2 dB             |
| Sandy:            | 45.5 LAeq        | 108.6 dB             |
| Water Tower:      | 52.1 LAeq        | 112.6 dB             |
| Wilson:           | 47.7 LAeq        | 102.4 dB             |

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

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 15.7      | 16.5     | 22.3     | 23.5    |
| Edwards:          | 12.0      | 13.2     | 28.3     | 31.2    |
| Hollinger Office: | 14.3      | 17.5     | 34.4     | 39.5    |
| Sandy:            | 11.2      | 13.6     | 26.9     | 29.4    |

# Hollinger Public Blast Report

## 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:        | 2.9                  | 5.2                 |
| Edwards:          | 4.0                  | 8.7                 |
| Hollinger Office: | 14.8                 | 25.1                |
| Sandy:            | 0.9                  | 1.3                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.1       | 0.1      | 0.1      |
| Edwards:                | 0.1       | 0.1      | 0.1      |
| Hollinger Office:       | 0.4       | 0.2      | 0.4      |
| Hollinger West:         | 1.5       | 0.9      | 1.7      |
| Imerys:                 | 0.6       | 1.0      | 0.8      |
| Noah:                   | 0.0       | 0.0      | 0.0      |
| Moneta Pumping Station: | 1.2       | 0.8      | 1.2      |
| Sandy:                  | 0.0       | 0.0      | 0.0      |
| Water Tower:            | 1.5       | 1.0      | 2.4      |
| Wilson:                 | 2.9       | 2.5      | 2.4      |