

# Hollinger Public Blast Report

**Blast Pattern:** 3334\_101  
**Date:** 17-Mar-20  
**Blast Time:** 11:41  
**Blast Sign Activation:** 7:40  
**Website Notification Time:** 7:23

## Blast Conditions

Ceiling Height: 7874 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 22 km/hr  
Wind Direction: W  
Temperature: -1.8 °C

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

### Noise Alert:

#### Blast Siren Locations:

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

|                   | <b>L<sub>Aeq</sub></b> | <b>L<sub>peak</sub> dB</b> |
|-------------------|------------------------|----------------------------|
| Comfort Inn:      | 54.0 LAeq              | 113.8 dB                   |
| Edwards:          | 52.3 LAeq              | 113.0 dB                   |
| Fred:             | 43.6 LAeq              | 109.5 dB                   |
| Hollinger Office: | 54.8 LAeq              | 113.6 dB                   |
| Noah:             | 60.3 LAeq              | 111.4 dB                   |
| Sandy:            | 48.9 LAeq              | 107.1 dB                   |
| Water Tower:      | 51.0 LAeq              | 118.4 dB                   |
| Wilson:           | 53.7 LAeq              | 113.2 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:        | 6.7              | 7.1             | 6.3             | 8.2            |
| Edwards:          | 4.5              | 5.0             | 10.6            | 12.1           |
| Hollinger Office: | 12.1             | 17.2            | 18.0            | 28.5           |
| Sandy:            | 4.1              | 4.7             | 7.2             | 8.1            |

# 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:        | 1.6                  | 3.2                 |
| Edwards:          | 2.9                  | 5.0                 |
| Hollinger Office: | 5.4                  | 8.7                 |
| Sandy:            | 4.2                  | 7.8                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.2       | 0.2      | 0.1      |
| Edwards:                | 0.0       | 0.0      | 0.0      |
| Hollinger Office:       | 2.0       | 2.0      | 4.2      |
| Hollinger West:         | 0.2       | 0.1      | 0.2      |
| Imerys:                 | 2.4       | 3.6      | 1.9      |
| Noah:                   | 2.1       | 0.9      | 1.2      |
| Moneta Pumping Station: | 0.1       | 0.0      | 0.1      |
| Sandy:                  | 0.1       | 0.1      | 0.2      |
| Water Tower:            | 0.9       | 1.1      | 0.5      |
| Wilson:                 | 0.4       | 0.3      | 0.4      |