

# Hollinger Public Blast Report

**Blast Pattern:** 3304\_020  
**Date:** 1-Jan-21  
**Blast Time:** 11:39  
**Blast Sign Activation:** 7:33  
**Website Notification Time:** 7:14

## Blast Conditions

Ceiling Height: 15091 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 11  
Wind Direction: S  
Temperature: -3.9 °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:      | 50.0 LAeq              | 108.3 dB                   |
| Edwards:          | 46.4 LAeq              | 106.2 dB                   |
| Fred:             | 44.9 LAeq              | 104.4 dB                   |
| Hollinger Office: | 55.6 LAeq              | 114.2 dB                   |
| Noah:             | 56.1 LAeq              | 102.7 dB                   |
| Sandy:            | 45.0 LAeq              | 111.1 dB                   |
| Water Tower:      | 50.2 LAeq              | 112.2 dB                   |
| Wilson:           | 46.5 LAeq              | 108.7 dB                   |

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

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 12.9      | 13.8     | 5.5      | 6.7     |
| Edwards:          | 9.4       | 10.7     | 13.2     | 15.5    |
| Hollinger Office: | 6.5       | 7.0      | 12.9     | 14.9    |
| Sandy:            | 4.5       | 7.3      | 9.2      | 12.8    |

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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:        | 0.8                  | 2.0                 |
| Edwards:          | 3.5                  | 12.7                |
| Hollinger Office: | 1.6                  | 1.9                 |
| Sandy:            | 1.3                  | 1.6                 |

## 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:       | 0.3       | 0.2      | 0.4      |
| Hollinger West:         | 0.4       | 0.5      | 0.3      |
| Imerys:                 | 0.6       | 0.7      | 0.6      |
| Noah:                   | 0.6       | 0.5      | 0.8      |
| Moneta Pumping Station: | 0.9       | 0.6      | 0.9      |
| Sandy:                  | 4.5       | 2.5      | 4.3      |
| Water Tower:            | 0.9       | 1.4      | 0.9      |
| Wilson:                 | 1.8       | 1.7      | 2.8      |