

# Hollinger Public Blast Report

**Blast Pattern:** 3316\_038/039  
**Date:** 12-Aug-20  
**Blast Time:** 11:41  
**Blast Sign Activation:** 7:50  
**Website Notification Time:** 7:38

## Blast Conditions

Ceiling Height: 32808 ft  
Boundary Layer Height: n/a m  
Cloud Cover: 0% Clear  
Wind Speed: 6 km/hr  
Wind Direction: NW  
Temperature: 24.1 °C

## Noise Levels ( $L_{Aeq}$ ) – 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:      | 56.3 LAeq              | 102.0 dB                   |
| Edwards:          | 49.8 LAeq              | 96.8 dB                    |
| Fred:             | 46.5 LAeq              | 99.9 dB                    |
| Hollinger Office: | 56.1 LAeq              | 103.1 dB                   |
| Noah:             | 61.2 LAeq              | 100.1 dB                   |
| Sandy:            | 51.8 LAeq              | 114.7 dB                   |
| Water Tower:      | 66.2 LAeq              | 108.8 dB                   |
| Wilson:           | 53.4 LAeq              | 102.9 dB                   |

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

|                   | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost:        | 32.9      | 35.7     | 29.6     | 33.3    |
| Edwards:          | 11.4      | 13.6     | 64.6     | 82.6    |
| Hollinger Office: | 49.1      | 54.5     | 59.7     | 68.1    |
| Sandy:            | 30.3      | 54.4     | 47.8     | 85.6    |

# 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:        | 0.4                  | 0.7                 |
| Edwards:          | 1.7                  | 3.1                 |
| Hollinger Office: | 0.5                  | 0.8                 |
| Sandy:            | 2.9                  | 5.8                 |

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

**Vibration Alert: No exceedances recorded**

|                         | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn:            | 0.0       | 0.0      | 0.0      |
| Edwards:                | 0.0       | 0.0      | 0.1      |
| Hollinger Office:       | 0.3       | 0.2      | 0.3      |
| Hollinger West:         | 5.7       | 2.1      | 3.4      |
| Imerys:                 | 0.8       | 1.6      | 1.2      |
| Noah:                   | 0.9       | 1.0      | 0.8      |
| Moneta Pumping Station: | 0.3       | 0.5      | 0.2      |
| Sandy:                  | 1.1       | 0.4      | 0.8      |
| Water Tower:            | 2.9       | 1.8      | 2.7      |
| Wilson:                 | 1.8       | 2.2      | 1.5      |