

# Hollinger Public Blast Report

**Blast Pattern:** 3328\_093  
**Date:** 16-Oct-20  
**Blast Time:** 11:45  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:21

## Blast Conditions

|                        |      |                  |
|------------------------|------|------------------|
| Ceiling Height:        | 7874 | ft               |
| Boundary Layer Height: | n/a  | m                |
| Cloud Cover:           | 50%  | Partially Cloudy |
| Wind Speed:            | 17   | km/hr            |
| Wind Direction:        | S    |                  |
| Temperature:           | 3    | °C               |

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

### Noise Alert:

#### Blast Siren Locations:

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

|                   | <b><math>L_{Aeq}</math></b> | <b><math>L_{peak}</math> dB</b> |
|-------------------|-----------------------------|---------------------------------|
| Comfort Inn:      | 55.3 LAeq                   | 119.0 dB                        |
| Edwards:          | 46.5 LAeq                   | 108.8 dB                        |
| Fred:             | 44.8 LAeq                   | 106.9 dB                        |
| Hollinger Office: | 56.8 LAeq                   | 118.0 dB                        |
| Noah:             | 61.8 LAeq                   | 110.2 dB                        |
| Sandy:            | 50.8 LAeq                   | 104.9 dB                        |
| Water Tower:      | 50.3 LAeq                   | 115.4 dB                        |
| Wilson:           | 52.2 LAeq                   | 102.0 dB                        |

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

|                   | <b>Avg. PM10</b> | <b>Max PM10</b> | <b>Avg. TSP</b> | <b>Max TSP</b> |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost:        | 5.7              | 6.8             | 0.3             | 1.1            |
| Edwards:          | 0.0              | 0.0             | 2.7             | 3.5            |
| Hollinger Office: | 3.0              | 4.2             | 4.9             | 8.3            |
| Sandy:            | 1.5              | 1.9             | 2.9             | 4.2            |

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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:        | 2.4                  | 6.9                 |
| Edwards:          | 1.0                  | 2.7                 |
| Hollinger Office: | 4.8                  | 11.7                |
| Sandy:            | 0.8                  | 0.9                 |

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

**Vibration Alert: No exceedances recorded**

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