

Hollinger Public Blast Report

Blast Pattern: 3262-067
Date: 24-Oct-23
Blast Time: 11:59
Blast Sign Activation: 7:46
Website Notification Time: 7:39

Blast Conditions

| | | |
|------------------------|--------|----------|
| Ceiling Height: | 29,855 | ft |
| Boundary Layer Height: | N/A | m |
| Cloud Cover: | 100% | Overcast |
| Wind Speed: | 14 | km/h |
| Wind Direction: | S | |
| Temperature: | 9.2 | °C |

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

Noise Alert:

Blast Siren Locations:

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

| | L_{Aeq} | L_{peak} dB |
|-------------------|------------------------|----------------------------|
| Comfort Inn: | 56.0 LAeq | 113.4 dB |
| Edwards: | 50.2 LAeq | 102.8 dB |
| Fred: | 44.3 LAeq | 102.8 dB |
| Hollinger Office: | 54.0 LAeq | 111.2 dB |
| Noah: | 58.4 LAeq | 103.1 dB |
| Sandy: | 50.9 LAeq | 101.9 dB |
| Water Tower: | 48.8 LAeq | 110.0 dB |
| Wilson: | 50.4 LAeq | 104.8 dB |

Dust Levels (µg/m³) – Dust Monitoring Instruments Reviewed:

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost: | 9.4 | 9.7 | 9.8 | 19.5 |
| Edwards: | 6.0 | 6.7 | 16.4 | 28.1 |
| Hollinger Office: | 18.0 | 23.3 | 20.5 | 27.3 |
| Sandy: | 7.4 | 10.1 | 12.4 | 15.2 |

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NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

NO_x Alert: No exceedances recorded

| | Avg. NO _x | Max NO _x |
|-------------------|----------------------|---------------------|
| Claimpost: | 0.5 | 0.8 |
| Edwards: | 1.3 | 1.9 |
| Hollinger Office: | 8.1 | 23.1 |
| Sandy: | 0.0 | 0.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|------------------------|-----------|----------|----------|
| Comfort Inn: | 0.5 | 0.3 | 0.2 |
| Edwards: | 0.2 | 0.1 | 0.2 |
| Hollinger Office: | 0.7 | 0.3 | 1.1 |
| Hollinger West: | 1.1 | 0.3 | 0.8 |
| Imerys: | 0.6 | 0.6 | 1.1 |
| Noah: | 0.8 | 0.6 | 1.2 |
| Moneta Pumping Station | 0.9 | 0.4 | 0.6 |
| Sandy: | 0.0 | 0.6 | 1.0 |
| Water Tower: | 0.7 | 0.5 | 0.9 |
| Wilson: | 1.3 | 0.8 | 2.1 |

