

Hollinger Public Blast Report

Blast Pattern: 3280-054B/056A
Date: 29-Mar-23
Blast Time: 11:35
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

| | | |
|------------------------|-------|---------------|
| Ceiling Height: | 1,312 | ft |
| Boundary Layer Height: | n/a | m |
| Cloud Cover: | 100% | Overcast Snow |
| Wind Speed: | 23 | km/h |
| Wind Direction: | N | |
| Temperature: | -8.4 | °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: | 54.5 | LAeq | 111.0 dB |
| Edwards: | 49.6 | LAeq | 106.7 dB |
| Fred: | 45.2 | LAeq | 108.0 dB |
| Hollinger Office: | 54.4 | LAeq | 114.4 dB |
| Noah: | 63 | LAeq | 109.0 dB |
| Sandy: | 44.8 | Laeq | 111.2 dB |
| Water Tower: | 48.3 | LAeq | 111.9 dB |
| Wilson: | 52.9 | LAeq | 109.8 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost: | 3.2 | 9.6 | 5.4 | 7.1 |
| Edwards: | 4.3 | 5.2 | 11.5 | 15.9 |
| Hollinger Office: | 12.6 | 21.0 | 3.4 | 6.7 |
| Sandy: | 14.7 | 24.7 | 15.5 | 30.2 |

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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: | 0.3 | 0.6 |
| Edwards: | 2.2 | 2.8 |
| Hollinger Office: | 2.3 | 5.9 |
| Sandy: | 5.5 | 16.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

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

