

Hollinger Public Blast Report

Blast Pattern: 3310-089
Date: 27-Dec-21
Blast Time: 11:39
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 16,076 ft
Boundary Layer Height: n/a m
Cloud Cover: 100% Overcast
Wind Speed: 11
Wind Direction: E
Temperature: -20.4 °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: | 51.5 LAeq | 108.9 dB |
| Edwards: | 42.6 LAeq | 101.6 dB |
| Fred: | 40.4 LAeq | 93.2 dB |
| Hollinger Office: | 51.3 LAeq | 113.4 dB |
| Noah: | 56.5 LAeq | 104.6 dB |
| Sandy: | LAeq | dB |
| Water Tower: | 45.3 LAeq | 106.9 dB |
| Wilson: | 56.8 LAeq | 104.6 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost: | 5.6 | 9.3 | 4.1 | 6.7 |
| Edwards: | 2.9 | 3.4 | 8.0 | 9.2 |
| Hollinger Office: | 2.7 | 3.3 | 6.2 | 8.2 |
| Sandy: | 0.0 | 0.0 | 5.8 | 7.9 |

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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: | 1.9 | 3.9 |
| Edwards: | 13.7 | 14.8 |
| Hollinger Office: | 6.4 | 7.8 |
| Sandy: | 2.7 | 6.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.9 | 0.7 | 1.0 |
| Edwards: | 0.1 | 0.1 | 0.1 |
| Hollinger Office: | 0.7 | 0.4 | 0.9 |
| Hollinger West: | 0.1 | 0.1 | 0.1 |
| Imerys: | 0.0 | 0.0 | 0.0 |
| Noah: | 1.0 | 0.3 | 0.8 |
| Moneta Pumping Station: | 0.2 | 0.1 | 0.2 |
| Sandy: | 0.1 | 0.1 | 0.3 |
| Water Tower: | 0.2 | 0.2 | 0.2 |
| Wilson: | 1.2 | 0.5 | 1.7 |