

Hollinger Public Blast Report

Blast Pattern: 3316_096ws
Date: 1-Nov-21
Blast Time: 11:36
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 1,640 ft
Boundary Layer Height: n/a m
Cloud Cover: 100% Overcast Snow
Wind Speed: 13
Wind Direction: NW
Temperature: 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: | 60.4 LAeq | 120.8 dB |
| Edwards: | 55.8 LAeq | 116.2 dB |
| Fred: | 50.8 LAeq | 115.9 dB |
| Hollinger Office: | 60.2 LAeq | 115.0 dB |
| Noah: | 63.1 LAeq | 114.0 dB |
| Sandy: | 48.9 LAeq | 108.7 dB |
| Water Tower: | 54.9 LAeq | 121.4 dB |
| Wilson: | 53.2 LAeq | 116.6 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 0.7 | 2.2 | 1.0 | 2.4 |
| Edwards: | 5.4 | 35.3 | 7.9 | 49.9 |
| Hollinger Office: | 11.9 | 29.6 | 21.7 | 92.7 |
| Sandy: | 2.9 | 3.1 | 3.3 | 5.2 |

Hollinger Public Blast Report

NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

NO_x Alert: No exceedances recorded

| | Avg. NO _x | Max NO _x |
|-------------------|----------------------|---------------------|
| Claimpost: | 2.4 | 4.8 |
| Edwards: | 15.1 | 20.7 |
| Hollinger Office: | 17.7 | 21.3 |
| Sandy: | 1.2 | 2.1 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

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