

Hollinger Public Blast Report

Blast Pattern: 3316_085
Date: 29-Jul-21
Blast Time: 11:38
Blast Sign Activation: 7:55
Website Notification Time: 7:35

Blast Conditions

Ceiling Height: 1,968 ft
Boundary Layer Height: n/a m
Cloud Cover: 100% Overcast
Wind Speed: 9
Wind Direction: NW
Temperature: 18 °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: | 56.9 LAeq | 108.7 dB |
| Edwards: | 50.1 LAeq | 99.0 dB |
| Fred: | 46.2 LAeq | 98.0 dB |
| Hollinger Office: | 64.9 LAeq | 113.0 dB |
| Noah: | 60.8 LAeq | 104.1 dB |
| Sandy: | 43.9 LAeq | 99.0 dB |
| Water Tower: | 54.6 LAeq | 110.3 dB |
| Wilson: | 51.0 LAeq | 103.5 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 42.4 | 43.2 | 47.3 | 48.3 |
| Edwards: | 30.9 | 32.0 | 84.6 | 85.9 |
| Hollinger Office: | 51.2 | 61.0 | 123.0 | 173.6 |
| Sandy: | 23.8 | 25.6 | 74.7 | 78.7 |

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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: | 0.7 | 0.9 |
| Edwards: | 0.6 | 1.0 |
| Hollinger Office: | 13.1 | 31.6 |
| Sandy: | 3.6 | 11.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

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