

Hollinger Public Blast Report

Blast Pattern: 3286_004
Date: 18-Aug-21
Blast Time: 11:38
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 5,577 ft
Boundary Layer Height: n/a m
Cloud Cover: 25% Clear
Wind Speed: 13
Wind Direction: S
Temperature: 23.8 °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: | 58.4 LAeq | 101.9 dB |
| Edwards: | 50.2 LAeq | 94.6 dB |
| Fred: | 45.1 LAeq | 94.9 dB |
| Hollinger Office: | 56.9 LAeq | 104.1 dB |
| Noah: | 60.9 LAeq | 102.1 dB |
| Sandy: | 48.7 LAeq | 107.9 dB |
| Water Tower: | 49.8 LAeq | 114.0 dB |
| Wilson: | 50.5 LAeq | 107.0 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 19.5 | 19.9 | 25.8 | 28.1 |
| Edwards: | 22.2 | 23.6 | 31.6 | 35.0 |
| Hollinger Office: | 31.6 | 46.9 | 52.3 | 146.4 |
| Sandy: | 21.9 | 26.8 | 38.3 | 46.2 |

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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: | 1.1 | 2.8 |
| Edwards: | 1.3 | 2.9 |
| Hollinger Office: | 12.3 | 64.4 |
| Sandy: | 1.2 | 1.5 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.2 | 0.1 | 0.2 |
| Edwards: | 0.1 | 0.1 | 0.1 |
| Hollinger Office: | 0.9 | 0.3 | 0.5 |
| Hollinger West: | 2.5 | 0.7 | 2.2 |
| Imerys: | 1.8 | 1.3 | 1.6 |
| Noah: | 1.6 | 1.0 | 1.5 |
| Moneta Pumping Station: | 0.7 | 0.4 | 1.2 |
| Sandy: | 1.9 | 1.3 | 1.6 |
| Water Tower: | 3.9 | 2.2 | 5.0 |
| Wilson: | 2.7 | 2.8 | 3.3 |