

Hollinger Public Blast Report

Blast Pattern: 3274-069 w/s
Date: 3-Jul-23
Blast Time: 15:31
Blast Sign Activation: 7:26
Website Notification Time: 7:13

Blast Conditions

| | | |
|------------------------|--------|------------------|
| Ceiling Height: | 20,013 | ft |
| Boundary Layer Height: | n/a | m |
| Cloud Cover: | 50% | Partially Cloudy |
| Wind Speed: | 9 | km/h |
| Wind Direction: | S | |
| Temperature: | 30.4 | °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: | 53.9 LAeq | 98.5 dB |
| Edwards: | 44.3 LAeq | 94.9 dB |
| Fred: | 43.9 LAeq | 90.0 dB |
| Hollinger Office: | 57.4 LAeq | 122.9 dB |
| Noah: | 58.8 LAeq | 96 dB |
| Sandy: | Laeq | dB |
| Water Tower: | 47.0 LAeq | 104.4 dB |
| Wilson: | 46.3 LAeq | 96.6 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 50.1 | 53.0 | 2.8 | 3.0 |
| Edwards: | 15.7 | 16.5 | 77.6 | 81.0 |
| Hollinger Office: | 20.0 | 22.5 | 108.5 | 119.6 |
| Sandy: | 31.3 | 32.4 | 55.5 | 57.6 |

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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: | 0.0 | 0.0 |
| Edwards: | 1.4 | 1.9 |
| Hollinger Office: | 2.7 | 4.4 |
| Sandy: | 0.0 | 0.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

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

