

Hollinger Public Blast Report

Blast Pattern: 3304_055
Date: 9-May-22
Blast Time: 11:36
Blast Sign Activation: 8:00
Website Notification Time: 7:18

Blast Conditions

Ceiling Height: 18,044 ft
Boundary Layer Height: n/a m
Cloud Cover: 25% Scattered Clouds
Wind Speed: 4
Wind Direction: S
Temperature: 18.4 °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: | 53.8 LAeq | 105.8 dB |
| Edwards: | 49.5 LAeq | 108.9 dB |
| Fred: | 48.8 LAeq | 114.8 dB |
| Hollinger Office: | 56.8 LAeq | 119.6 dB |
| Noah: | 59.1 LAeq | 112.1 dB |
| Sandy: | LAeq | dB |
| Water Tower: | 56.1 LAeq | 121.0 dB |
| Wilson: | LAeq | dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Claimpost: | 19.9 | 21.6 | 17.9 | 21.0 |
| Edwards: | 11.8 | 13.6 | 19.9 | 26.3 |
| Hollinger Office: | 46.7 | 81.2 | 66.5 | 122.0 |
| Sandy: | 16.2 | 25.5 | 21.8 | 32.4 |

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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: | 1.6 | 2.9 |
| Edwards: | 0.2 | 0.8 |
| Hollinger Office: | 5.2 | 22.8 |
| Sandy: | 0.7 | 1.6 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.5 | 0.4 | 0.5 |
| Edwards: | 0.1 | 0.1 | 0.2 |
| Hollinger Office: | 1.5 | 0.7 | 2.0 |
| Hollinger West: | 0.4 | 0.2 | 0.3 |
| Imerys: | 1.4 | 0.7 | 1.6 |
| Noah: | 1.5 | 1.1 | 1.6 |
| Moneta Pumping Station: | 0.5 | 0.2 | 0.4 |
| Sandy: | 0.4 | 0.4 | 0.6 |
| Water Tower: | 1.0 | 0.4 | 0.7 |
| Wilson: | 1.2 | 0.7 | 1.4 |

