

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3340_039
Date: 12-Sep-18
Blast Time: 11:46
Blast Sign Activation: 7:40
Website Notification Time: 7:33

Blast Conditions

Ceiling Height: 30000 ft
Boundary Layer Height: none m
Cloud Cover: 0% Clear
Wind Speed: 13 km/hr
Wind Direction: S
Temperature: 22.3 °C

Noise Levels (L_{Aeq}) – Noise Monitoring Instruments Reviewed:

Noise Alert: Overpressure Exceedance - Water Tower 129.6dB

Blast Siren Locations:

- 1: Hollinger Office**
- 2: Shania Twain**
- 3: Extendicare**

| | L_{aeq} | L_{peak} dB |
|-------------------|------------------------|----------------------------|
| Comfort Inn: | 56.4 LAeq | 119.9 dB |
| Edwards: | 50.7 LAeq | 114.0 dB |
| Fred: | 47.5 LAeq | 110.3 dB |
| Hollinger Office: | 60.6 LAeq | 127.2 dB |
| Noah: | 64.0 LAeq | 120.4 dB |
| Sandy: | 50.5 LAeq | 119.6 dB |
| Water Tower: | 53.3 LAeq | 129.6 dB |
| Wilson: | 51.0 LAeq | 113.6 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 7.5 | 7.9 | 5.6 | 6.8 |
| Edwards: | 2.4 | 2.9 | 13.6 | 16.6 |
| Hollinger Office: | 39.2 | 109.7 | 36.8 | 151.0 |
| Sandy: | 9.7 | 22.6 | 19.7 | 58.8 |

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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: | 2.9 | 4.6 |
| Edwards: | 2.0 | 3.2 |
| Hollinger Office: | 7.4 | 16.5 |
| Sandy: | 0.8 | 1.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.1 | 0.1 | 0.2 |
| Edwards: | 0.1 | 0.1 | 0.1 |
| Hollinger Office: | 1.5 | 1.5 | 0.4 |
| Hollinger West: | 0.4 | 0.5 | 0.2 |
| Imerys: | 1.2 | 2.6 | 1.7 |
| Noah: | 1.4 | 1.3 | 1.3 |
| Moneta Pumping Station: | 0.3 | 0.4 | 0.3 |
| Sandy: | 0.4 | 0.4 | 0.4 |
| Water Tower: | 3.1 | 2.9 | 1.0 |
| Wilson: | 0.7 | 0.8 | 1.0 |