

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3346_090
Date: 7-Apr-18
Blast Time: 11:30
Blast Sign Activation: 7:25
Website Notification Time: 7:30

Blast Conditions

Ceiling Height: 2400 ft
Boundary Layer Height: none m
Cloud Cover: 50% Partially Cloudy
Wind Speed: 5.4 km/hr
Wind Direction: W
Temperature: -9.3 °C

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

Noise Alert: Exceedances due to blast siren

Blast Siren Locations:

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

| | L_{aeq} | L_{peak} dB |
|-------------------|------------------------|----------------------------|
| Comfort Inn: | 53.9 LAeq | 104.6 dB |
| Edwards: | 50.6 LAeq | 102.2 dB |
| Fred: | 41.2 LAeq | 104.8 dB |
| Hollinger Office: | 53.2 LAeq | 107.1 dB |
| Noah: | 60.9 LAeq | 107.2 dB |
| Sandy: | 40.9 LAeq | 110.5 dB |
| Water Tower: | 49.5 LAeq | 113.8 dB |
| Wilson: | 42.4 LAeq | 107.1 dB |

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

Dust Alert: No Exceedances recorded at 24hr.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 7.8 | 10.6 | 3.7 | 5.0 |
| Edwards: | 11.1 | 24.1 | 9.4 | 18.9 |
| Hollinger Office: | 21.5 | 63.0 | 8.9 | 14.4 |
| Sandy: | 12.8 | 21.4 | 5.5 | 8.0 |

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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: | 1.2 | 2.2 |
| Edwards: | 1.2 | 2.4 |
| Hollinger Office: | 2.4 | 3.0 |
| Sandy: | 3.0 | 3.7 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.2 | 0.2 | 0.2 |
| Edwards: | 0.1 | 0.2 | 0.1 |
| Hollinger Office: | 0.4 | 0.5 | 0.8 |
| Hollinger West: | 0.4 | 0.3 | 0.4 |
| Imerys: | 0.0 | 0.0 | 0.0 |
| Noah: | 1.1 | 1.2 | 0.8 |
| Moneta Pumping Station: | 0.7 | 0.4 | 0.7 |
| Sandy: | 0.9 | 0.5 | 0.7 |
| Water Tower: | 0.8 | 0.6 | 0.8 |
| Wilson: | 1.8 | 1.3 | 1.4 |