

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3352_111
Date: 23-Feb-18
Blast Time: 11:35
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 2000 ft
Boundary Layer Height: none m
Cloud Cover: 100% Overcast (Snow)
Wind Speed: 20 km/hr
Wind Direction: E
Temperature: -6.5 °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: | 48.0 LAeq | 93.8 dB |
| Edwards: | 43.7 LAeq | 98.7 dB |
| Fred: | 41.4 LAeq | 90.7 dB |
| Hollinger Office: | 53.7 LAeq | 104.9 dB |
| Noah: | 56.9 LAeq | 104.6 dB |
| Sandy: | 44.9 LAeq | 109.2 dB |
| Water Tower: | 51.7 LAeq | 112.6 dB |
| Wilson: | 59.7 LAeq | 113.9 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: | 6.8 | 8.7 | 4.6 | 6.4 |
| Edwards: | 4.7 | 7.7 | 8.5 | 13.1 |
| Hollinger Office: | 22.2 | 34.7 | 21.6 | 41.0 |
| Sandy: | 10.0 | 15.1 | 4.9 | 6.4 |

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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: | 3.3 | 4.2 |
| Edwards: | 4.4 | 5.4 |
| Hollinger Office: | 12.4 | 22.4 |
| Sandy: | 9.4 | 17.6 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.2 | 0.1 | 0.1 |
| Edwards: | 0.0 | 0.1 | 0.1 |
| Hollinger Office: | 0.4 | 0.4 | 0.5 |
| Hollinger West: | 0.4 | 0.4 | 0.3 |
| Imerys: | 0.8 | 0.9 | 0.6 |
| Noah: | 0.7 | 1.0 | 0.9 |
| Moneta Pumping Station: | 0.2 | 0.2 | 0.2 |
| Sandy: | 0.3 | 0.3 | 0.4 |
| Water Tower: | 1.1 | 1.0 | 1.1 |
| Wilson: | 0.8 | 1.0 | 0.7 |