

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3358_139
Date: 22-Nov-17
Blast Time: 11:34
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 5000 ft
Boundary Layer Height: none m
Cloud Cover: 75% Cloudy
Wind Speed: 18 km/hr
Wind Direction: W
Temperature: -7.3 °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: | 53.1 LAeq | 105.2 dB |
| Edwards: | 47.6 LAeq | 101.2 dB |
| Fred: | 45.0 LAeq | 106.2 dB |
| Hollinger Office: | 59.2 LAeq | 111.6 dB |
| Noah: | 61.0 LAeq | 101.6 dB |
| Sandy: | 44.4 LAeq | 102.2 dB |
| Water Tower: | 46.6 LAeq | 108.0 dB |
| Wilson: | 47.2 LAeq | 101.8 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: | 4.6 | 5.0 | 2.9 | 3.9 |
| Edwards: | 9.6 | 18.4 | 10.2 | 25.6 |
| Hollinger Office: | 37.5 | 84.7 | 36.2 | 70.7 |
| Sandy: | 5.8 | 9.8 | 5.8 | 7.8 |

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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: | 2.7 | 5.0 |
| Edwards: | 7.5 | 18.6 |
| Hollinger Office: | 9.3 | 12.6 |
| Sandy: | 1.7 | 3.7 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 1.2 | 0.4 | 0.8 |
| Edwards: | 0.2 | 0.2 | 0.2 |
| Hollinger Office: | 1.1 | 0.5 | 0.7 |
| Hollinger West: | 0.5 | 0.3 | 0.4 |
| Imerys: | 0.6 | 0.4 | 0.7 |
| Noah: | 0.9 | 0.6 | 0.9 |
| Moneta Pumping Station: | 0.2 | 0.2 | 0.3 |
| Sandy: | 0.3 | 0.2 | 0.3 |
| Water Tower: | 0.4 | 0.3 | 0.5 |
| Wilson: | 1.0 | 0.6 | 0.8 |