

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3358_160
Date: 14-May-18
Blast Time: 15:45
Blast Sign Activation: 7:55
Website Notification Time: 7:40

Blast Conditions

Ceiling Height: 10000 ft
Boundary Layer Height: none m
Cloud Cover: 75% Cloudy
Wind Speed: 16.5 km/hr
Wind Direction: W
Temperature: 18.3 °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: | 56.6 LAeq | 110.8 dB |
| Edwards: | 53.7 LAeq | 111.1 dB |
| Fred: | 45.6 LAeq | 111.4 dB |
| Hollinger Office: | 56.1 LAeq | 111.8 dB |
| Noah: | 63.6 LAeq | 109.0 dB |
| Sandy: | 50.9 LAeq | 112.1 dB |
| Water Tower: | 53.7 LAeq | 119.4 dB |
| Wilson: | 52.9 LAeq | 111.9 dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 16.9 | 19.3 | 21.4 | 27.4 |
| Edwards: | 34.4 | 68.2 | 47.7 | 87.5 |
| Hollinger Office: | 70.2 | 78.2 | 85.0 | 103.4 |
| Sandy: | 29.1 | 42.0 | 26.8 | 45.2 |

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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: | 2.5 | 5.7 |
| Edwards: | 6.1 | 8.9 |
| Hollinger Office: | 10.5 | 11.5 |
| Sandy: | 1.5 | 1.9 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.1 | 0.1 | 0.1 |
| Edwards: | 0.1 | 0.1 | 0.1 |
| Hollinger Office: | 0.1 | 0.1 | 0.1 |
| Hollinger West: | 0.2 | 0.1 | 0.3 |
| Imerys: | 0.4 | 0.6 | 0.6 |
| Noah: | 0.6 | 0.5 | 0.4 |
| Moneta Pumping Station: | 1.0 | 0.7 | 0.7 |
| Sandy: | 3.3 | 3.2 | 0.0 |
| Water Tower: | 1.2 | 0.7 | 0.7 |
| Wilson: | 1.8 | 1.5 | 1.7 |