

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3352_001
Date: 16-Feb-17
Blast Time: 11:36
Blast Sign Activation: 9:30
Website Notification Time: 9:00

Blast Conditions

Ceiling Height: 900 m
Boundary Layer Height: none m
Cloud Cover: 50% Partially Cloudy
Wind Speed: 13 km/hr
Wind Direction: NW
Temperature: -15.1 °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: | 50.1 LAeq | 102.5 dB |
| Edwards: | 47.6 LAeq | 96.0 dB |
| Fred: | 39.7 LAeq | 94.4 dB |
| Hollinger Office: | 56.1 LAeq | 109.4 dB |
| Noah: | 57.6 LAeq | 100.8 dB |
| Sandy: | 50.2 LAeq | 114.2 dB |
| Water Tower: | 53.9 LAeq | 106.5 dB |
| Wilson: | 46.5 LAeq | 100.0 dB |

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

Dust Alert: No Exceedances recorded.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 5.9 | 7.1 | 2.5 | 4.1 |
| Edwards: | 2.1 | 3.5 | 7.4 | 14.1 |
| Hollinger Office: | 2.0 | 2.3 | 6.1 | 7.5 |
| Hollinger Park: | 0.0 | 0.0 | 0.0 | 0.0 |
| Sandy: | 3.0 | 3.5 | 5.2 | 6.0 |

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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: | 5.4 | 6.4 |
| Edwards: | 3.4 | 8.3 |
| Hollinger Office: | 12.1 | 18.1 |
| Hollinger Park: | 0.0 | 0.0 |
| Sandy: | 4.3 | 5.5 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.3 | 0.2 | 0.4 |
| Edwards: | 0.3 | 0.3 | 0.4 |
| Hollinger Office: | 0.2 | 0.2 | 0.2 |
| Hollinger West: | 0.4 | 0.2 | 0.4 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 2.1 | 1.9 | 1.9 |
| Moneta Pumping Station: | 1.4 | 1.6 | 1.7 |
| Sandy: | 0.2 | 0.3 | 0.2 |
| Water Tower: | 0.2 | 0.3 | 0.2 |
| Wilson: | 0.7 | 1.2 | 1.0 |