

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3376_017
Date: 21-Mar-15
Blast Time: 15:38
Blast Sign Activation: 7:30
Website Notification Time: 7:15

Blast Conditions

Ceiling Height: 940m
Boundary Layer Height: 100m
Cloud Cover: 100% Overcast
Wind Speed: 10 km/hr
Wind Direction: NW
Temperature: -12.8 °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: Extencicare

| | L_{Aeq} | L_{peak} dB |
|-------------------|------------------------|----------------------------|
| Comfort Inn: | 52.5 LAeq | 108.6 dB |
| Edwards: | 49.6 LAeq | 89.9 dB |
| Fred: | 45.4 LAeq | 104.7 dB |
| Hollinger Office: | 56.5 LAeq | 113.2 dB |
| Noah: | 58.5 LAeq | 116.6 dB |
| Sandy: | 53.8 LAeq | 104.2 dB |
| Water Tower: | 52.3 LAeq | 126.6 dB |
| Wilson: | 53.0 LAeq | 109.0 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: | 16.0 | 21.4 | 22.8 | 25.3 |
| Edwards: | 8.9 | 13.8 | 19.5 | 22.7 |
| Hollinger Office: | 14.2 | 20.9 | 18.9 | 24.2 |
| Hollinger Park: | 8.1 | 12.1 | 22.6 | 38.2 |
| Sandy: | 16.3 | 55.9 | 34.5 | 145.8 |

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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: | 0.2 | 0.5 |
| Edwards: | 1.1 | 1.3 |
| Hollinger Office: | 3.7 | 8.3 |
| Hollinger Park: | 4.3 | 10.0 |
| Sandy: | 4.4 | 33.7 |

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 Temp: | 0.0 | 0.1 | 0.1 |
| Hollinger Office: | 0.3 | 0.4 | 0.4 |
| Hollinger West: | 3.0 | 1.5 | 3.8 |
| Imerys: | 1.3 | 1 | 1.8 |
| Noah: | 2.1 | 2.2 | 2.7 |
| Moneta Pumping Station: | 0.3 | 0.4 | 0.6 |
| Sandy: | 1.1 | 1.3 | 0.8 |
| Water Tower: | 1.2 | 1.5 | 2.6 |
| Wilson: | 2.5 | 1.8 | 2.0 |