

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3373_030
Date: 1-Dec-15
Blast Time: 11:34
Blast Sign Activation: 8:45
Website Notification Time: 8:30

Blast Conditions

Ceiling Height: 4297 m
Boundary Layer Height: n/a m
Cloud Cover: 100% Overcast
Wind Speed: 7.5 km/hr
Wind Direction: SE
Temperature: -2.2 °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: | 54.2 LAeq | 103.0 dB |
| Edwards: | 57.3 LAeq | 98.1 dB |
| Fred: | 45.7 LAeq | 98.6 dB |
| Hollinger Office: | 58.9 LAeq | 108.0 dB |
| Noah: | 58.8 LAeq | 99.6 dB |
| Sandy: | 56.9 LAeq | 102.1 dB |
| Water Tower: | 49.6 LAeq | 104.0 dB |
| Wilson: | 51.1 LAeq | 96.3 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: | 8.1 | 8.3 | 6.5 | 6.8 |
| Edwards: | 4.4 | 4.9 | 10.5 | 10.9 |
| Hollinger Office: | 8.5 | 10.5 | 9.5 | 12.4 |
| Hollinger Park: | 4.0 | 4.4 | 11.6 | 13.4 |
| Sandy: | 5.4 | 5.8 | 6.5 | 7.2 |

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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: | 3.5 | 4.9 |
| Edwards: | 3.8 | 6.7 |
| Hollinger Office: | 18.3 | 35.7 |
| Hollinger Park: | 3.1 | 4.2 |
| Sandy: | 2.0 | 3.3 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.4 | 1.2 | 0.6 |
| Edwards: | 0.4 | 0.4 | 0.3 |
| Hollinger Office: | 0.6 | 0.3 | 0.3 |
| Hollinger West: | 1.8 | 0.2 | 0.5 |
| Imerys: | 0.3 | 0.3 | 0.3 |
| Noah: | 0.5 | 0.3 | 0.4 |
| Moneta Pumping Station: | 0.6 | 0.2 | 0.8 |
| Sandy: | 1.8 | 2.0 | 1.8 |
| Water Tower: | 0.4 | 0.1 | 0.6 |
| Wilson: | 1.0 | 0.5 | 0.7 |