

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3382_079
Date: 25-Jul-15
Blast Time: 15:42
Blast Sign Activation: 13:00
Website Notification Time: 13:15

Blast Conditions

Ceiling Height: 2120 m
Boundary Layer Height: N/A m
Cloud Cover: 50% Partially cloudy
Wind Speed: 17 km/hr
Wind Direction: W
Temperature: 25.8 °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: Extendicare**

| | L_{Aeq} | L_{peak} dB |
|-------------------|------------------------|----------------------------|
| Comfort Inn: | 56.7 LAeq | 109.2 dB |
| Edwards: | 62.4 LAeq | 105.8 dB |
| Fred: | 48.4 LAeq | 102.6 dB |
| Hollinger Office: | 57.8 LAeq | 112.1 dB |
| Noah: | 60.3 LAeq | 110.1 dB |
| Sandy: | 54.5 LAeq | 110.9 dB |
| Water Tower: | 60.6 LAeq | 114.6 dB |
| Wilson: | 51.0 LAeq | 109.7 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: | 8.3 | 9.2 | 17.8 | 19.2 |
| Edwards: | 7.0 | 8.2 | 14.1 | 16.8 |
| Hollinger Office: | 11.6 | 12.4 | 11.3 | 13.9 |
| Hollinger Park: | 7.9 | 9.8 | 18.4 | 21.8 |
| Sandy: | 4.8 | 6.1 | 18.3 | 22.1 |

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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: | 1.0 | 1.4 |
| Edwards: | 0.9 | 1.5 |
| Hollinger Office: | 1.5 | 2.0 |
| Hollinger Park: | 1.6 | 2.0 |
| Sandy: | 3.2 | 15.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|---------------|----------|----------|
| Comfort Inn: | 0.3 | 0.2 | 0.2 |
| Edwards: | not available | | |
| Hollinger Office: | 0.2 | 0.1 | 0.2 |
| Hollinger West: | 0.2 | 0.1 | 0.1 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 0.5 | 0.6 | 0.5 |
| Moneta Pumping Station: | 1.6 | 0.6 | 1.3 |
| Sandy: | 2.7 | 2.3 | 2.5 |
| Water Tower: | 0.4 | 0.2 | 0.4 |
| Wilson: | 0.6 | 0.5 | 0.3 |