

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3364_136
Date: 27-Sep-16
Blast Time: 15:39
Blast Sign Activation: 8:00
Website Notification Time: 7:30

Blast Conditions

Ceiling Height: 640 m
Boundary Layer Height: none m
Cloud Cover: 100% Overcast
Wind Speed: 6.7 km/hr
Wind Direction: N
Temperature: 15 °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: | 55.7 LAeq | 104.7 dB |
| Edwards: | 55.7 LAeq | 100.3 dB |
| Fred: | 44.3 LAeq | 102.3 dB |
| Hollinger Office: | 59.4 LAeq | 104.8 dB |
| Noah: | 65.3 LAeq | 108.6 dB |
| Sandy: | 63.2 LAeq | 112.9 dB |
| Water Tower: | 61.5 LAeq | 103.6 dB |
| Wilson: | 53.0 LAeq | 102.6 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: | 1.3 | 1.7 | 0.9 | 2.6 |
| Edwards: | 2.5 | 3.4 | 3.8 | 4.9 |
| Hollinger Office: | 1.2 | 1.5 | 6.4 | 7.3 |
| Hollinger Park: | 4.3 | 8.5 | 9.2 | 17.7 |
| Sandy: | 3.5 | 4.2 | 2.9 | 4.0 |

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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: | 1.9 | 4.3 |
| Edwards: | 0.5 | 1.6 |
| Hollinger Office: | 3.0 | 4.9 |
| Hollinger Park: | 4.8 | 19.3 |
| Sandy: | 0.7 | 1.6 |

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: | 0.1 | 0.1 | 0.1 |
| Hollinger Office: | 0.3 | 0.1 | 0.2 |
| Hollinger West: | 0.2 | 0.1 | 0.2 |
| Imerys: | 0.2 | 0.3 | 0.3 |
| Noah: | 0.8 | 0.8 | 0.4 |
| Moneta Pumping Station: | 1.9 | 0.7 | 1.3 |
| Sandy: | 0.9 | 1.7 | 1.2 |
| Water Tower: | 0.4 | 0.2 | 0.5 |
| Wilson: | 0.7 | 0.8 | 0.7 |