

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3364_133
Date: 18-Sep-16
Blast Time: 11:41
Blast Sign Activation: 8:00
Website Notification Time: 7:30

Blast Conditions

Ceiling Height: 61 m
Boundary Layer Height: none m
Cloud Cover: 100% Overcast
Wind Speed: 4.3 km/hr
Wind Direction: SE
Temperature: 15.4 °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: | 54.6 LAeq | 101.9 dB |
| Edwards: | 55.0 LAeq | 100.8 dB |
| Fred: | 42.4 LAeq | 91.4 dB |
| Hollinger Office: | 58.9 LAeq | 105.0 dB |
| Noah: | 59.2 LAeq | 99.2 dB |
| Sandy: | 61.1 LAeq | 114.9 dB |
| Water Tower: | 48.9 LAeq | 103.4 dB |
| Wilson: | 50.8 LAeq | 101.8 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: | 3.4 | 3.7 | 7.9 | 8.8 |
| Edwards: | 4.0 | 5.1 | 8.6 | 11.0 |
| Hollinger Office: | 5.7 | 7.9 | 12.6 | 16.0 |
| Hollinger Park: | 5.2 | 7.6 | 16.8 | 24.7 |
| Sandy: | 2.5 | 2.8 | 7.6 | 8.6 |

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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 | 4.3 |
| Edwards: | 0.4 | 0.6 |
| Hollinger Office: | 1.3 | 2.3 |
| Hollinger Park: | 1.3 | 2.3 |
| Sandy: | 8.0 | 28.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.2 | 0.2 | 0.2 |
| Edwards: | 0.2 | 0.2 | 0.2 |
| Hollinger Office: | 0.6 | 0.1 | 0.2 |
| Hollinger West: | 0.4 | 0.2 | 0.4 |
| Imerys: | 0.3 | 0.4 | 0.6 |
| Noah: | 0.3 | 0.3 | 0.2 |
| Moneta Pumping Station: | 9.6 | 2.5 | 4.1 |
| Sandy: | 1.2 | 1.9 | 1.5 |
| Water Tower: | 0.7 | 0.2 | 0.6 |
| Wilson: | 1.3 | 1.4 | 1.0 |