

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3370_076/077
Date: 12-May-16
Blast Time: 11:39
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 7620 m
Boundary Layer Height: none m
Cloud Cover: 25% Scattered Clouds
Wind Speed: 14 km/hr
Wind Direction: S
Temperature: 19.1 °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: | 55.3 LAeq | 105.3 dB |
| Edwards: | 54.6 LAeq | 108.0 dB |
| Fred: | 46.2 LAeq | 105.8 dB |
| Hollinger Office: | 67.5 LAeq | 115.0 dB |
| Noah: | 59.8 LAeq | 109.5 dB |
| Sandy: | 49.9 LAeq | 111.0 dB |
| Water Tower: | 49.8 LAeq | 112.1 dB |
| Wilson: | 53.6 LAeq | 110.2 dB |

Dust Levels ($\mu\text{g}/\text{m}^3$) – Dust Monitoring Instruments Reviewed:

Dust Alert: High dust values due to wind gusts at Hollinger Office

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 17.2 | 25.5 | 12.4 | 45.5 |
| Edwards: | 9.3 | 10.5 | 15.8 | 20.9 |
| Hollinger Office: | 132.5 | 960.1 | 49.7 | 222.2 |
| Hollinger Park: | 16.4 | 25.6 | 23.5 | 49.2 |
| Sandy: | 16.5 | 26.9 | 19.8 | 48.1 |

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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: | 2.9 | 10.8 |
| Edwards: | 2.0 | 4.4 |
| Hollinger Office: | 7.2 | 29.7 |
| Hollinger Park: | 0.5 | 0.8 |
| Sandy: | 0.9 | 1.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.3 | 0.1 | 0.1 |
| Edwards: | 0.1 | 0.1 | 0.2 |
| Hollinger Office: | 0.5 | 0.2 | 0.9 |
| Hollinger West: | 2.0 | 0.3 | 0.4 |
| Imerys: | 0.5 | 0.5 | 0.5 |
| Noah: | 0.5 | 0.3 | 0.4 |
| Moneta Pumping Station: | 1.1 | 1.6 | 0.9 |
| Sandy: | 1.4 | 1.3 | 1.7 |
| Water Tower: | 1.1 | 0.4 | 0.9 |
| Wilson: | 0.9 | 1.2 | 1.3 |