

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3370_060/078/080
Date: 18-Apr-16
Blast Time: 11:40
Blast Sign Activation: 7:45
Website Notification Time: 7:45

Blast Conditions

Ceiling Height: 200 m
Boundary Layer Height: none m
Cloud Cover: 100% overcast (rain)
Wind Speed: 6 km/hr
Wind Direction: NE
Temperature: 0.1 °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: | 59.4 LAeq | 104.8 dB |
| Edwards: | 53.9 LAeq | 99.3 dB |
| Fred: | 45.5 LAeq | 93.5 dB |
| Hollinger Office: | 61.4 LAeq | 113.3 dB |
| Noah: | 62.4 LAeq | 107.8 dB |
| Sandy: | 63.8 LAeq | 107.9 dB |
| Water Tower: | 56.5 LAeq | 111.8 dB |
| Wilson: | 52.8 LAeq | 104.5 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: | 12.6 | 13.3 | 2.2 | 2.9 |
| Edwards: | 3.9 | 4.6 | 6.2 | 8.8 |
| Hollinger Office: | 4.2 | 4.9 | 5.5 | 6.6 |
| Hollinger Park: | 8.7 | 14.5 | 4.3 | 19.1 |
| Sandy: | 8.4 | 9.6 | 6.0 | 8.8 |

Hollinger Public Blast Report



PORCUPINE GOLD MINES

NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

NO_x Alert: No exceedances recorded

| | Avg. NO _x | Max NO _x |
|-------------------|----------------------|---------------------|
| Claimpost: | 0.9 | 1.5 |
| Edwards: | 3.1 | 3.8 |
| Hollinger Office: | 5.5 | 8.4 |
| Hollinger Park: | 1.1 | 2.0 |
| Sandy: | 11.2 | 23.1 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.5 | 0.3 | 0.4 |
| Edwards: | 0.1 | 0.2 | 0.1 |
| Hollinger Office: | 2.1 | 0.5 | 1.2 |
| Hollinger West: | 1.8 | 0.1 | 0.2 |
| Imerys: | 0.8 | 0.3 | 0.6 |
| Noah: | 1.1 | 0.3 | 1.0 |
| Moneta Pumping Station: | 0.7 | 0.5 | 0.6 |
| Sandy: | 1.0 | 1.0 | 1.4 |
| Water Tower: | 0.2 | 0.3 | 0.3 |
| Wilson: | 0.9 | 0.6 | 1.2 |