

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3358_040
Date: 29-Aug-18
Blast Time: 11:45
Blast Sign Activation: 8:00
Website Notification Time: 8:00

Blast Conditions

Ceiling Height: 400 ft
Boundary Layer Height: none m
Cloud Cover: 100% Overcast
Wind Speed: 13 km/hr
Wind Direction: N
Temperature: 9 °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: | 59.5 LAeq | 107.2 | dB |
| Edwards: | 51.3 LAeq | 100.1 | dB |
| Fred: | 46.2 LAeq | 100.2 | dB |
| Hollinger Office: | 59.6 LAeq | 112.7 | dB |
| Noah: | 64.8 LAeq | 112.0 | dB |
| Sandy: | 46.4 LAeq | 104.1 | dB |
| Water Tower: | 52.8 LAeq | 106.4 | dB |
| Wilson: | 49.1 LAeq | 106.4 | dB |

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

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 7.2 | 7.9 | 0.0 | 0.0 |
| Edwards: | 0.6 | 0.7 | 2.1 | 2.8 |
| Hollinger Office: | 1.3 | 1.7 | 0.9 | 1.7 |
| Sandy: | 7.3 | 13.7 | 13.6 | 24.3 |

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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: | 6.7 | 12.6 |
| Sandy: | 4.7 | 9.7 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.4 | 0.4 | 0.3 |
| Edwards: | 0.2 | 0.1 | 0.2 |
| Hollinger Office: | 6.7 | 5.8 | 1.5 |
| Hollinger West: | 0.1 | 0.1 | 0.1 |
| Imerys: | 1.1 | 1.2 | 0.6 |
| Noah: | 0.9 | 0.9 | 0.7 |
| Moneta Pumping Station: | 0.1 | 0.1 | 0.1 |
| Sandy: | 0.2 | 0.1 | 0.1 |
| Water Tower: | 0.9 | 0.6 | 0.3 |
| Wilson: | 0.8 | 0.7 | 0.5 |