

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3340\_010  
**Date:** 16-Jul-18  
**Blast Time:** 11:45  
**Blast Sign Activation:** 8:05  
**Website Notification Time:** 7:22

## Blast Conditions

Ceiling Height: 1200 ft  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 9 km/hr  
Wind Direction: SW  
Temperature: 23 °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**

	<b>L<sub>aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	56.7 LAeq	95.6 dB
Edwards:	47.5 LAeq	94.9 dB
Fred:	42.7 LAeq	96.5 dB
Hollinger Office:	55.9 LAeq	101.9 dB
Noah:	60.0 LAeq	98.5 dB
Sandy:	53.7 LAeq	105.8 dB
Water Tower:	47.3 LAeq	112.7 dB
Wilson:	50.9 LAeq	104.5 dB

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

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	19.0	19.8	70.8	79.7
Edwards:	16.8	18.2	41.9	45.5
Hollinger Office:	30.6	31.8	42.0	45.0
Sandy:	14.3	15.1	32.0	33.4

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## NO<sub>x</sub> Levels (ppb) - NO<sub>x</sub> Monitoring Instruments Reviewed:

**NO<sub>x</sub> Alert: No exceedances recorded**

	Avg. NO <sub>x</sub>	Max NO <sub>x</sub>
Claimpost:	1.8	3.2
Edwards:	1.5	3.0
Hollinger Office:	7.1	14.4
Sandy:	0.8	1.0

## Vibration (mm/s) – Vibration Instruments Reviewed:

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.1
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.6	0.4	0.6
Hollinger West:	0.9	0.5	0.7
Imerys:	0.9	1.1	1.5
Noah:	2.9	1.5	1.4
Moneta Pumping Station:	0.3	0.2	0.4
Sandy:	0.0	0.0	0.0
Water Tower:	2.5	3.7	3.1
Wilson:	1.7	3.1	1.5