

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3346\_119 / 3328\_002D  
**Date:** 23-Aug-18  
**Blast Time:** 11:44  
**Blast Sign Activation:** 8:22  
**Website Notification Time:** 7:19

## Blast Conditions

Ceiling Height: 20000 ft  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 13 km/hr  
Wind Direction: W  
Temperature: 23.6 °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:	54.2 LAeq	103.1	dB
Edwards:	53.1 LAeq	100.7	dB
Fred:	45.5 LAeq	99.8	dB
Hollinger Office:	58.9 LAeq	104.4	dB
Noah:	62.3 LAeq	108.3	dB
Sandy:	49.1 LAeq	109.9	dB
Water Tower:	48.5 LAeq	113.3	dB
Wilson:	52.5 LAeq	104.8	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:	38.6	40.6	31.8	34.4
Edwards:	28.5	40.6	85.6	112.8
Hollinger Office:	42.1	63.1	105.1	153.6
Sandy:	25.2	28.2	57.6	67.7

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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:	1.1	1.5
Edwards:	4.0	9.8
Hollinger Office:	9.1	13.4
Sandy:	1.1	1.3

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.0	0.1
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.2	0.2	0.2
Hollinger West:	2.3	2.4	2.9
Imerys:	0.4	0.6	0.6
Noah:	0.3	0.3	0.5
Moneta Pumping Station:	0.8	0.6	0.7
Sandy:	4.5	4.4	4.8
Water Tower:	1.1	0.8	1.0
Wilson:	2.2	2.0	1.8