

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_042B+C/3382\_137  
**Date:** 23-Sep-17  
**Blast Time:** 15:40  
**Blast Sign Activation:** 7:42  
**Website Notification Time:** 7:19

## Blast Conditions

Ceiling Height: 5000 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 9 km/hr  
Wind Direction: SE  
Temperature: 25.8 °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: Extencicare**

	<b>L<sub>aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	53.6 LAeq	112.4 dB
Edwards:	49.9 LAeq	106.8 dB
Fred:	47.7 LAeq	105.6 dB
Hollinger Office:	54.8 LAeq	109.5 dB
Noah:	62.7 LAeq	108.4 dB
Sandy:	49.4 LAeq	106.0 dB
Water Tower:	49.5 LAeq	115.2 dB
Wilson:	51.3 LAeq	102.8 dB

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

**Dust Alert: No exceedances recorded.**

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	14.2	15.9	67.2	82.5
Edwards:	9.5	10.5	38.2	41.5
Hollinger Office:	15.9	17.0	34.7	41.2
Sandy:	10.4	10.9	19.7	26.2

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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:	0.4	1.3
Edwards:	2.2	4.8
Hollinger Office:	7.4	16.1
Sandy:	0.6	1.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	2.5	1.0	1.2
Edwards:	0.3	0.2	0.2
Hollinger Office:	0.3	0.2	0.3
Hollinger West:	0.3	0.2	0.3
Imerys:	1.1	1.0	0.8
Noah:	1.0	0.4	0.9
Moneta Pumping Station:	0.3	0.1	0.2
Sandy:	0.2	0.1	0.4
Water Tower:	2.3	1.1	3.8
Wilson:	1.2	0.7	1.1