

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3376\_167  
**Date:** 13-Nov-17  
**Blast Time:** 13:40  
**Blast Sign Activation:** 9:10  
**Website Notification Time:** 9:20

## Blast Conditions

Ceiling Height: 1400 ft  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 6.7 km/hr  
Wind Direction: N  
Temperature: -2.4 °C

## Noise Levels ( $L_{Aeq}$ ) – Noise Monitoring Instruments Reviewed:

**Noise Alert:  $L_{peak}$  (overpressure exceedance) Comfort Inn 131.2dB**

### **Blast Siren Locations:**

- 1: Hollinger Office**
- 2: Shania Twain**
- 3: Extendicare**

	$L_{Aeq}$		$L_{peak}$ dB	
Comfort Inn:	54.3	$L_{Aeq}$	131.2	dB
Edwards:	46.7	$L_{Aeq}$	127.3	dB
Fred:	42.5	$L_{Aeq}$	111.3	dB
Hollinger Office:	58.1	$L_{Aeq}$	123.9	dB
Noah:	61.6	$L_{Aeq}$	116.6	dB
Sandy:	41.1	$L_{Aeq}$	116.9	dB
Water Tower:	50.5	$L_{Aeq}$	121.0	dB
Wilson:	44.9	$L_{Aeq}$	109.6	dB

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

**Dust Alert: No Exceedances recorded at 24hr.**

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	4.1	4.7	3.7	4.2
Edwards:	3.5	5.5	8.1	10.6
Hollinger Office:	2.7	3.7	7.2	9.5
Sandy:	3.3	4.0	6.2	7.7

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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:	0.7	1.0
Edwards:	1.9	3.2
Hollinger Office:	6.8	16.6
Sandy:	2.2	3.4

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	1.3	0.6	1.1
Edwards:	0.7	0.5	0.9
Hollinger Office:	0.4	0.4	0.3
Hollinger West:	0.2	0.2	0.2
Imerys:	0.5	0.3	0.4
Noah:	0.7	0.4	0.6
Moneta Pumping Station:	0.5	0.2	0.4
Sandy:	0.3	0.2	0.3
Water Tower:	0.3	0.2	0.4
Wilson:	0.8	0.4	0.6