

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3346\_070  
**Date:** 22-Dec-17  
**Blast Time:** 11:34  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 7:45

## Blast Conditions

Ceiling Height: 30000 ft  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 3.5 km/hr  
Wind Direction: NE  
Temperature: -17.3 °C

## Noise Levels (L<sub>Aeq</sub>) – Noise Monitoring Instruments Reviewed:

**Noise Alert: Exceedances due to blast siren**

### **Blast Siren Locations:**

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

	L <sub>Aeq</sub>		L <sub>peak</sub> dB	
Comfort Inn:	52.4	L <sub>Aeq</sub>	97.4	dB
Edwards:	42.3	L <sub>Aeq</sub>	92.8	dB
Fred:	44.1	L <sub>Aeq</sub>	96.7	dB
Hollinger Office:	57.6	L <sub>Aeq</sub>	98.4	dB
Noah:	59.2	L <sub>Aeq</sub>	103.6	dB
Sandy:	44.5	L <sub>Aeq</sub>	108.4	dB
Water Tower:	48.8	L <sub>Aeq</sub>	112.5	dB
Wilson:	50.5	L <sub>Aeq</sub>	109.7	dB

## Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

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

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	6.5	7.0	5.2	6.9
Edwards:	3.5	4.6	12.7	15.1
Hollinger Office:	9.1	25.5	17.0	25.2
Sandy:	11.1	16.7	28.8	47.6

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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:	7.3	9.3
Edwards:	14.5	21.7
Hollinger Office:	14.7	37.3
Sandy:	71.6	108.9

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.1	0.1
Edwards:	0.0	0.1	0.0
Hollinger Office:	0.5	0.3	0.4
Hollinger West:	1.6	1.1	1.7
Imerys:	1.6	2.4	1.0
Noah:	1.8	2.8	2.4
Moneta Pumping Station:	0.2	0.2	0.4
Sandy:	0.4	0.3	0.4
Water Tower:	4.0	7.2	3.4
Wilson:	1.6	1.2	1.1