

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_222 C7D, 3364\_224D&E  
**Date:** 21-Dec-17  
**Blast Time:** 11:40  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 30000 ft  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 0 km/hr  
Wind Direction: none  
Temperature: -17.5 °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:	50.0	L <sub>Aeq</sub>	106.7	dB
Edwards:	51.0	L <sub>Aeq</sub>	99.4	dB
Fred:	38.9	L <sub>Aeq</sub>	87.9	dB
Hollinger Office:	51.7	L <sub>Aeq</sub>	101.1	dB
Noah:	59.4	L <sub>Aeq</sub>	95.6	dB
Sandy:	43.9	L <sub>Aeq</sub>	110.6	dB
Water Tower:	49.9	L <sub>Aeq</sub>	111.5	dB
Wilson:	48.5	L <sub>Aeq</sub>	95.8	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	5.4	2.1	2.9
Edwards:	4.9	21.4	13.0	64.9
Hollinger Office:	8.1	15.6	15.6	32.1
Sandy:	2.4	3.3	6.2	7.4

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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:	6.4	12.2
Edwards:	17.8	69.8
Hollinger Office:	10.3	16.3
Sandy:	7.1	12.5

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	2.0	0.8	1.3
Edwards:	0.6	0.4	0.4
Hollinger Office:	0.4	0.2	0.3
Hollinger West:	0.4	0.9	0.4
Imerys:	0.3	0.2	0.2
Noah:	0.2	0.5	0.2
Moneta Pumping Station:	0.3	0.3	0.4
Sandy:	1.7	1.0	1.9
Water Tower:	0.3	0.2	0.3
Wilson:	0.8	0.9	0.6