

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 33346\_076  
**Date:** 25-Feb-18  
**Blast Time:** 11:31  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 700 ft  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 22 km/hr  
Wind Direction: SE  
Temperature: -1.1 °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:	L <sub>Aeq</sub>	dB
Edwards:	50.3 L <sub>Aeq</sub>	107.3 dB
Fred:	44.2 L <sub>Aeq</sub>	107.8 dB
Hollinger Office:	52.4 L <sub>Aeq</sub>	112.8 dB
Noah:	56.2 L <sub>Aeq</sub>	107.1 dB
Sandy:	43.0 L <sub>Aeq</sub>	104.9 dB
Water Tower:	50.9 L <sub>Aeq</sub>	116.3 dB
Wilson:	54.8 L <sub>Aeq</sub>	109.2 dB

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

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

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	5.5	6.1	4.2	5.6
Edwards:	1.7	1.9	4.7	5.9
Hollinger Office:	10.0	29.9	8.5	20.0
Sandy:	2.7	3.3	2.6	4.8

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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:	2.9	5.8
Edwards:	0.9	2.1
Hollinger Office:	20.4	73.1
Sandy:	1.2	2.1

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.3	0.4
Edwards:	0.2	0.2	0.2
Hollinger Office:	0.4	0.2	0.5
Hollinger West:	0.2	0.2	0.2
Imerys:	0.3	0.3	0.3
Noah:	0.4	0.4	0.5
Moneta Pumping Station:	0.5	0.5	0.5
Sandy:	0.8	0.6	0.8
Water Tower:	0.5	0.4	0.5
Wilson:	1.6	1.7	1.7