

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_225  
**Date:** 27-Nov-17  
**Blast Time:** 11:51  
**Blast Sign Activation:** 7:49  
**Website Notification Time:** 7:37

## Blast Conditions

Ceiling Height: 1300 ft  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 2 km/hr  
Wind Direction: SE  
Temperature: -13.2 °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><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	51.9 LAeq	112.2 dB
Edwards:	51.4 LAeq	102.1 dB
Fred:	42.3 LAeq	95.2 dB
Hollinger Office:	61.3 LAeq	118.9 dB
Noah:	59.3 LAeq	107.8 dB
Sandy:	51.2 LAeq	106.9 dB
Water Tower:	54.7 LAeq	112.2 dB
Wilson:	48.9 LAeq	107.1 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:	2.7	5.4	1.3	1.3
Edwards:	5.6	12.7	5.3	12.3
Hollinger Office:	9.4	28.9	3.7	13.7
Sandy:	7.1	18.1	2.9	10.8

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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:	2.1	5.3
Edwards:	7.2	18.5
Hollinger Office:	2.9	4.2
Sandy:	3.3	15.5

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.7	0.5	0.7
Edwards:	0.1	0.2	0.1
Hollinger Office:	1.8	0.6	1.7
Hollinger West:	0.1	0.2	0.1
Imerys:	0.4	0.4	0.7
Noah:	0.8	0.5	1.3
Moneta Pumping Station:	0.2	0.1	0.2
Sandy:	0.2	0.1	0.2
Water Tower:	0.4	0.3	0.3
Wilson:	0.9	0.4	0.5