

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3352\_084  
**Date:** 22-Sep-17  
**Blast Time:** 11:42  
**Blast Sign Activation:** 8:24  
**Website Notification Time:** 8:24

## Blast Conditions

Ceiling Height: 30000 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 9 km/hr  
Wind Direction: S  
Temperature: 25 °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: Extencicare**

	<b><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	54.5 LAeq	101.9 dB
Edwards:	55.8 LAeq	99.3 dB
Fred:	46.4 LAeq	99.6 dB
Hollinger Office:	55.7 LAeq	107.5 dB
Noah:	62.9 LAeq	103.0 dB
Sandy:	48.1 LAeq	105.1 dB
Water Tower:	48.5 LAeq	108.5 dB
Wilson:	51.4 LAeq	97.1 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:	16.1	17.1	55.1	57.9
Edwards:	10.7	11.5	40.3	42.1
Hollinger Office:	16.8	22.6	44.8	61.0
Sandy:	14.7	16.5	35.3	43.1

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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:	0.3	0.7
Edwards:	3.1	5.8
Hollinger Office:	5.7	11.8
Sandy:	0.9	1.3

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.2	0.3
Edwards:	0.1	0.1	0.2
Hollinger Office:	0.6	0.3	0.5
Hollinger West:	0.3	0.2	0.3
Imerys:	0.6	0.6	0.8
Noah:	0.8	0.4	1.4
Moneta Pumping Station:	0.6	0.5	0.6
Sandy:	0.5	0.5	0.6
Water Tower:	0.7	0.4	0.5
Wilson:	1.0	1.0	1.4