

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3352\_073 & 3352\_072  
**Date:** 21-Aug-17  
**Blast Time:** 11:44  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 7000 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 13 km/hr  
Wind Direction: W  
Temperature: 23.6 °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:	55.3 LAeq	97.4 dB
Edwards:	51.5 LAeq	94.4 dB
Fred:	43.4 LAeq	101.2 dB
Hollinger Office:	56.0 LAeq	99.5 dB
Noah:	63.6 LAeq	98.8 dB
Sandy:	48.2 LAeq	103.9 dB
Water Tower:	51.1 LAeq	104.4 dB
Wilson:	51.0 LAeq	109.7 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:	13.4	15.4	21.7	24.8
Edwards:	12.2	15.8	32.3	43.4
Hollinger Office:	26.1	49.1	47.3	97.3
Sandy:	12.1	17.5	29.3	51.4

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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:	0.0	0.0
Edwards:	3.6	10.8
Hollinger Office:	2.9	7.4
Sandy:	6.1	23.7

## 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:	0.4	0.2	0.3
Hollinger Office:	0.3	0.1	0.2
Hollinger West:	3.1	2.6	2.9
Imerys:	0.5	0.6	0.6
Noah:	0.5	0.3	0.4
Moneta Pumping Station:	0.4	0.2	0.5
Sandy:	0.4	0.4	0.6
Water Tower:	1.4	0.5	0.6
Wilson:	4.0	2.7	3.7