

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3382\_139  
**Date:** 14-Sep-17  
**Blast Time:** 11:35  
**Blast Sign Activation:** 8:23  
**Website Notification Time:** 9:12

## Blast Conditions

Ceiling Height: 1005 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 15 km/hr  
Wind Direction: E  
Temperature: 13 °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:	55.2 LAeq	113.3 dB
Edwards:	48.6 LAeq	105.7 dB
Fred:	44.2 LAeq	94.8 dB
Hollinger Office:	55.5 LAeq	111.0 dB
Noah:	61.6 LAeq	104.3 dB
Sandy:	44.9 LAeq	98.1 dB
Water Tower:	57.9 LAeq	109.4 dB
Wilson:	50.3 LAeq	96.4 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	3.6	6.1	8.3
Edwards:	6.2	7.4	9.7	12.3
Hollinger Office:	12.5	24.1	16.0	33.2
Sandy:	20.8	79.6	24.7	90.3

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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:	1.7	5.7
Edwards:	1.3	1.7
Hollinger Office:	3.7	6.7
Sandy:	4.2	7.8

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	1.5	1.1	1.3
Edwards:	0.3	0.2	0.3
Hollinger Office:	0.3	0.2	0.2
Hollinger West:	0.1	0.1	0.1
Imerys:	0.2	0.2	0.2
Noah:	0.3	0.2	0.3
Moneta Pumping Station:	0.1	0.1	0.2
Sandy:	0.2	0.1	0.1
Water Tower:	0.2	0.1	0.1
Wilson:	0.4	0.2	0.3