

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3358\_056  
**Date:** 20-Jan-17  
**Blast Time:** 11:42  
**Blast Sign Activation:** 8:30  
**Website Notification Time:** 8:30

## Blast Conditions

Ceiling Height: 121 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 8.5 km/hr  
Wind Direction: S  
Temperature: 0 °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:	51.3 LAeq	99.9 dB
Edwards:	56.9 LAeq	97.6 dB
Fred:	43.6 LAeq	93.5 dB
Hollinger Office:	67.4 LAeq	105.3 dB
Noah:	59.4 LAeq	105.2 dB
Sandy:	53.2 LAeq	112.4 dB
Water Tower:	48.4 LAeq	116.7 dB
Wilson:	52.2 LAeq	102.3 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:	12.1	12.6	7.3	8.1
Edwards:	4.0	5.9	15.0	29.5
Hollinger Office:	9.4	10.1	10.0	18.2
Hollinger Park:	5.1	5.5	13.6	15.3
Sandy:	5.6	6.0	10.7	12.7

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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:	3.2	7.5
Edwards:	4.7	12.8
Hollinger Office:	14.0	45.3
Hollinger Park:	3.9	4.3
Sandy:	5.4	10.4

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.2
Edwards:	0.3	0.2	0.3
Hollinger Office:	0.4	0.2	0.4
Hollinger West:	0.9	0.3	0.6
Imerys:	0.4	0.4	0.4
Noah:	0.7	0.5	0.7
Moneta Pumping Station:	1.7	1.6	1.7
Sandy:	0.6	0.5	0.6
Water Tower:	0.5	0.7	0.4
Wilson:	1.3	1.8	2.3