

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3373\_026/3364\_056A  
**Date:** 17-Dec-15  
**Blast Time:** 11:33  
**Blast Sign Activation:** 8:45  
**Website Notification Time:** 9:15

## Blast Conditions

Ceiling Height: 2245 m  
Boundary Layer Height: n/a m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 9 km/hr  
Wind Direction: S  
Temperature: 1 °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:	54.4 LAeq	105.4 dB
Edwards:	63.2 LAeq	99.4 dB
Fred:	47.1 LAeq	102.5 dB
Hollinger Office:	71.7 LAeq	112.5 dB
Noah:	60.6 LAeq	105.0 dB
Sandy:	58.2 LAeq	111.6 dB
Water Tower:	53.5 LAeq	111.3 dB
Wilson:	53.8 LAeq	102.6 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:	3.6	4.9	2.5	4.1
Edwards:	2.7	3.2	2.7	3.7
Hollinger Office:	4.0	4.9	3.9	5.5
Hollinger Park:	2.1	2.2	2.3	2.8
Sandy:	3.1	5.5	1.8	4.0

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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:	4.3	9.7
Edwards:	2.1	3.7
Hollinger Office:	2.5	4.0
Hollinger Park:	1.4	2.0
Sandy:	2.9	4.3

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

**Vibration Alert: Exceedance at Sandy: 12.7mm/s**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.2
Edwards:	0.1	0.2	0.1
Hollinger Office:	0.3	0.2	0.4
Hollinger West:	1.7	0.2	0.2
Imerys:	0.0	0.0	0.0
Noah:	0.3	0.2	0.3
Moneta Pumping Station:	2.1	1.4	3.1
Sandy:	12.7	5.8	10.7
Water Tower:	0.3	0.2	0.2
Wilson:	0.8	0.5	0.9