

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3358\_073  
**Date:** 28-Feb-17  
**Blast Time:** 13:36  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 1067 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 4 km/hr  
Wind Direction: S  
Temperature: 4.8 °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:	51.6 LAeq	99.6 dB
Edwards:	51.5 LAeq	101.1 dB
Fred:	43.5 LAeq	109.5 dB
Hollinger Office:	68.8 LAeq	110.6 dB
Noah:	58.6 LAeq	104.1 dB
Sandy:	51.2 LAeq	112.1 dB
Water Tower:	49.5 LAeq	109.7 dB
Wilson:	56.5 LAeq	101.9 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:	14.6	15.1	13.3	14.0
Edwards:	4.3	4.8	23.6	26.8
Hollinger Office:	21.3	33.8	31.2	62.6
Hollinger Park:	5.5	6.4	22.3	24.3
Sandy:	8.3	10.7	17.0	21.6

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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:	8.3	12.0
Edwards:	3.4	6.6
Hollinger Office:	13.1	34.2
Hollinger Park:	3.8	9.3
Sandy:	3.7	6.9

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.3
Edwards:	0.1	0.2	0.2
Hollinger Office:	0.4	0.4	0.5
Hollinger West:	0.3	0.3	0.4
Imerys:	0.4	0.3	0.4
Noah:	0.9	0.4	0.6
Moneta Pumping Station:	1.1	0.8	1.5
Sandy:	2.2	2.0	2.0
Water Tower:	0.5	0.6	0.5
Wilson:	1.4	1.0	1.3