

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_099  
**Date:** 19-Feb-16  
**Blast Time:** 11:33  
**Blast Sign Activation:** 8:30  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 1390 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast Snow  
Wind Speed: 19.7 km/hr  
Wind Direction: NW  
Temperature: -5.6 °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: Extencicare**

	<b>L<sub>aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	51.3 LAeq	109.2 dB
Edwards:	46.6 LAeq	112.3 dB
Fred:	46.4 LAeq	111.3 dB
Hollinger Office:	62.7 LAeq	117.2 dB
Noah:	58.5 LAeq	108.6 dB
Sandy:	47.8 LAeq	110.4 dB
Water Tower:	51.8 LAeq	122.6 dB
Wilson:	59.4 LAeq	115.2 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:	10.7	11.4	10.5	13.7
Edwards:	7.6	9.8	11.6	15.8
Hollinger Office:	11.7	12.6	25.3	40.2
Hollinger Park:	6.2	6.8	13.0	16.3
Sandy:	5.5	6.3	6.9	9.8

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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:	2.8	3.6
Edwards:	3.4	4.7
Hollinger Office:	11.9	19.2
Hollinger Park:	4.0	5.9
Sandy:	2.4	3.1

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.4	0.3	0.3
Edwards:	0.3	0.3	0.3
Hollinger Office:	0.2	0.3	0.2
Hollinger West:	1.7	0.2	0.2
Imerys:	0.3	0.3	0.3
Noah:	0.3	0.2	0.4
Moneta Pumping Station:	0.8	0.6	0.6
Sandy:	0.7	0.9	0.6
Water Tower:	0.3	0.2	0.2
Wilson:	0.6	0.5	0.7