

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_122/Knob  
**Date:** 7-Feb-16  
**Blast Time:** 11:41  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 1400 m  
Boundary Layer Height: n/a m  
Cloud Cover: 75% Cloudy  
Wind Speed: 15.2 km/hr  
Wind Direction: E  
Temperature: -17.9 °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:	49.8 LAeq	105.4 dB
Edwards:	48.6 LAeq	111.6 dB
Fred:	45.6 LAeq	113.1 dB
Hollinger Office:	58.2 LAeq	120.6 dB
Noah:	56.9 LAeq	111.2 dB
Sandy:	57.5 LAeq	112.2 dB
Water Tower:	47.8 LAeq	112.9 dB
Wilson:	57.8 LAeq	114.5 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:	9.1	19.0	7.2	19.3
Edwards:	8.2	11.3	9.3	13.9
Hollinger Office:	23.7	32.3	15.9	47.8
Hollinger Park:	38.6	55.1	18.1	30.6
Sandy:	9.3	14.6	5.5	21.5

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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:	1.1	1.8
Edwards:	1.8	2.1
Hollinger Office:	5.1	6.7
Hollinger Park:	6.2	12.7
Sandy:	2.0	6.5

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.2
Edwards:	0.2	0.3	0.2
Hollinger Office:	0.2	0.3	0.2
Hollinger West:	2.0	0.4	0.7
Imerys:	0.2	0.2	0.1
Noah:	0.3	0.3	0.4
Moneta Pumping Station:	4.9	4.2	1.7
Sandy:	1.6	2.7	1.0
Water Tower:	0.3	0.4	0.5
Wilson:	0.9	0.5	0.8