

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_098  
**Date:** 23-Feb-16  
**Blast Time:** 11:39  
**Blast Sign Activation:** 8:45  
**Website Notification Time:** 8:45

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast Snow  
Wind Speed: 16 km/hr  
Wind Direction: S  
Temperature: -6.6 °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: Extendicare**

	<b>L<sub>aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	54.5 LAeq	112.7 dB
Edwards:	43.0 LAeq	102.0 dB
Fred:	42.5 LAeq	107.6 dB
Hollinger Office:	54.7 LAeq	111.0 dB
Noah:	55.2 LAeq	105.5 dB
Sandy:	46.5 LAeq	104.4 dB
Water Tower:	49.2 LAeq	113.9 dB
Wilson:	56.7 LAeq	108.9 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:	5.8	6.6	4.0	5.1
Edwards:	2.1	2.4	3.3	5.2
Hollinger Office:	6.0	8.1	6.5	10.3
Hollinger Park:	1.9	2.4	2.8	4.6
Sandy:	2.1	2.6	2.3	4.7

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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:	3.7	9.2
Edwards:	2.0	3.8
Hollinger Office:	3.7	9.0
Hollinger Park:	1.0	2.2
Sandy:	2.8	5.1

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.2	0.3
Edwards:	0.2	0.2	0.1
Hollinger Office:	0.3	0.2	0.2
Hollinger West:	1.6	0.2	0.3
Imerys:	0.2	0.2	0.2
Noah:	0.2	0.2	0.5
Moneta Pumping Station:	0.9	0.5	0.7
Sandy:	1.1	1.8	1.7
Water Tower:	0.2	0.2	0.2
Wilson:	0.7	0.8	0.9