

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_172/173  
**Date:** 24-Nov-16  
**Blast Time:** 11:41  
**Blast Sign Activation:** 8:15  
**Website Notification Time:** 8:15

## Blast Conditions

Ceiling Height: 822 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast (Snow)  
Wind Speed: 5 km/hr  
Wind Direction: E  
Temperature: -3.8 °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:	54.3 LAeq	107.9 dB
Edwards:	47.9 LAeq	102.2 dB
Fred:	41.7 LAeq	91.7 dB
Hollinger Office:	54.5 LAeq	116.6 dB
Noah:	59.7 LAeq	109.5 dB
Sandy:	49.1 LAeq	104.0 dB
Water Tower:	50.6 LAeq	111.2 dB
Wilson:	46.7 LAeq	99.5 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:	1.3	1.6	5.2	5.8
Edwards:	3.1	5.2	6.1	10.6
Hollinger Office:	4.3	8.0	9.0	16.4
Hollinger Park:	6.3	8.5	10.9	16.1
Sandy:	0.7	1.5	3.6	5.2

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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:	0.6	1.0
Edwards:	2.0	3.0
Hollinger Office:	8.8	11.4
Hollinger Park:	8.2	20.5
Sandy:	9.6	19.4

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

**Vibration Alert: Exceedance at Hollinger Office 19.9mm/s Under investigation.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.4	0.3
Edwards:	0.1	0.1	0.2
Hollinger Office:	19.9	6.4	9.1
Hollinger West:	0.2	0.1	0.2
Imerys:	2.1	1.1	1.6
Noah:	1.9	1.3	2.6
Moneta Pumping Station:	0.1	0.1	0.1
Sandy:	0.2	0.4	0.1
Water Tower:	1.2	0.4	1.0
Wilson:	0.9	0.3	0.9