

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3376\_077/078/3373\_002/003  
**Date:** 4-Dec-15  
**Blast Time:** 13:41  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 13:00

## Blast Conditions

Ceiling Height: 1200 m  
Boundary Layer Height: 1200 m  
Cloud Cover: 100% Overcast Rain  
Wind Speed: 7 km/hr  
Wind Direction: W  
Temperature: 1.7 °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:	56.0 LAeq	107.6 dB
Edwards:	57.2 LAeq	104.4 dB
Fred:	46.9 LAeq	102.5 dB
Hollinger Office:	57.8 LAeq	106.6 dB
Noah:	61.3 LAeq	103.5 dB
Sandy:	58.3 LAeq	116.5 dB
Water Tower:	50.2 LAeq	116.8 dB
Wilson:	48.2 LAeq	106.6 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:	6.8	7.6	6.4	7.5
Edwards:	8.9	11.4	13.6	17.5
Hollinger Office:	14.7	34.4	15.6	82.8
Hollinger Park:	4.9	5.2	9.4	10.9
Sandy:	4.7	5.6	5.4	6.5

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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:	7.9	10.5
Edwards:	10.7	19.5
Hollinger Office:	5.9	11.3
Hollinger Park:	6.6	8.0
Sandy:	2.0	2.5

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.9	0.3	0.5
Edwards:	0.2	0.3	0.2
Hollinger Office:	0.3	0.2	0.2
Hollinger West:	1.8	0.2	0.3
Imerys:	0.3	0.3	0.3
Noah:	0.3	0.2	0.4
Moneta Pumping Station:	0.7	0.4	0.7
Sandy:	6.4	3.5	5.1
Water Tower:	0.6	0.2	0.4
Wilson:	1.1	1.2	0.8