

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_198  
**Date:** 31-Oct-16  
**Blast Time:** 15:35  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:17

## Blast Conditions

Ceiling Height: 1493 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 20.2 km/hr  
Wind Direction: N  
Temperature: 5.5 °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:	55.7 LAeq	101.1 dB
Edwards:	53.8 LAeq	103.9 dB
Fred:	45.7 LAeq	104.6 dB
Hollinger Office:	64.4 LAeq	109.1 dB
Noah:	60.2 LAeq	104.7 dB
Sandy:	51.7 LAeq	108.3 dB
Water Tower:	51.2 LAeq	111.1 dB
Wilson:	58.5 LAeq	106.5 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:	2.4	3.3	5.6	6.1
Edwards:	3.4	4.0	7.7	8.6
Hollinger Office:	6.6	9.8	8.4	12.5
Hollinger Park:	2.2	4.5	10.1	21.9
Sandy:	3.5	4.9	5.6	7.7

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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:	2.0	7.7
Edwards:	1.9	4.3
Hollinger Office:	6.4	15.5
Hollinger Park:	0.6	1.0
Sandy:	1.3	1.5

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.2
Edwards:	0.3	0.2	0.3
Hollinger Office:	0.2	0.1	0.1
Hollinger West:	0.2	0.2	0.3
Imerys:	0.2	0.3	0.3
Noah:	0.4	0.2	0.2
Moneta Pumping Station:	2.3	2.3	2.0
Sandy:	0.9	1.1	0.9
Water Tower:	0.3	0.3	0.3
Wilson:	1.0	0.7	0.9