

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3382\_129/3364\_058A  
**Date:** 23-Nov-15  
**Blast Time:** 11:47  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 2164 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 9 km/hr  
Wind Direction: SE  
Temperature: -5.4 °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:	54.2 LAeq	114.4 dB
Edwards:	56.4 LAeq	107.4 dB
Fred:	42.9 LAeq	97.4 dB
Hollinger Office:	57.0 LAeq	114.3 dB
Noah:	61.5 LAeq	111.4 dB
Sandy:	52.3 LAeq	106.8 dB
Water Tower:	55.4 LAeq	110.7 dB
Wilson:	51.3 LAeq	99.0 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:	6.7	16.7	11.9	31.5
Edwards:	3.5	8.8	5.5	13.8
Hollinger Office:	37.7	141.0	36.5	137.5
Hollinger Park:	12.0	28.7	28.6	83.4
Sandy:	5.5	9.3	5.6	12.0

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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:	1.7	6.4
Edwards:	0.7	1.8
Hollinger Office:	9.0	31.1
Hollinger Park:	1.8	6.0
Sandy:	1.6	4.2

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.4	0.8	0.5
Edwards:	0.3	0.4	0.2
Hollinger Office:	0.2	0.3	0.2
Hollinger West:	1.6	0.1	0.1
Imerys:	0.2	0.2	0.2
Noah:	0.3	0.5	0.5
Moneta Pumping Station:	0.9	0.7	0.7
Sandy:	3.2	1.5	2.8
Water Tower:	0.2	0.1	0.2
Wilson:	0.9	0.3	0.6