

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_090  
**Date:** 28-Aug-16  
**Blast Time:** 15:41  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 1036 m  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 8.4 km/hr  
Wind Direction: S  
Temperature: 20.4 °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:	55.1 LAeq	103.9 dB
Edwards:	64.8 LAeq	95.2 dB
Fred:	45.3 LAeq	101.1 dB
Hollinger Office:	62.8 LAeq	106.0 dB
Noah:	61.1 LAeq	103.4 dB
Sandy:	53.2 LAeq	110.7 dB
Water Tower:	48.8 LAeq	110.5 dB
Wilson:	45.9 LAeq	96.7 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:	2.6	2.8	1.6	2.4
Edwards:	4.0	4.2	7.3	9.7
Hollinger Office:	5.4	8.6	9.7	16.6
Hollinger Park:	5.0	6.2	12.8	16.3
Sandy:	4.3	6.4	6.0	8.8

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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:	0.4	1.4
Edwards:	0.1	0.3
Hollinger Office:	0.7	1.2
Hollinger Park:	1.1	1.6
Sandy:	3.2	16.6

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.1
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.3	0.2	0.5
Hollinger West:	0.5	0.3	0.4
Imerys:	0.5	1.0	0.9
Noah:	0.5	0.5	0.5
Moneta Pumping Station:	0.7	0.5	0.8
Sandy:	2.3	2.0	2.2
Water Tower:	3.1	1.0	2.3
Wilson:	1.4	1.7	1.5