

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_183  
**Date:** 28-Sep-16  
**Blast Time:** 15:48  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 30000 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 11 km/hr  
Wind Direction: E  
Temperature: 19.4 °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:	55.6 LAeq	104.6 dB
Edwards:	48.8 LAeq	96.6 dB
Fred:	45.3 LAeq	95.6 dB
Hollinger Office:	59.4 LAeq	107.8 dB
Noah:	60.6 LAeq	102.4 dB
Sandy:	49.2 LAeq	109.6 dB
Water Tower:	49.8 LAeq	109.2 dB
Wilson:	50.3 LAeq	96.8 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:	5.6	5.9	5.5	7.0
Edwards:	8.6	8.9	15.4	17.5
Hollinger Office:	12.7	34.4	19.3	55.4
Hollinger Park:	19.2	45.7	28.6	66.8
Sandy:	10.9	11.9	11.2	12.8

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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:	0.2	0.8
Edwards:	0.4	0.8
Hollinger Office:	1.0	1.2
Hollinger Park:	2.6	3.6
Sandy:	3.4	15.6

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.2
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.7	0.2	1.0
Hollinger West:	0.3	0.2	0.3
Imerys:	0.5	0.5	0.6
Noah:	0.8	0.4	0.8
Moneta Pumping Station:	0.5	0.3	0.4
Sandy:	0.5	0.8	0.9
Water Tower:	0.8	0.3	0.6
Wilson:	1.0	0.9	1.0