

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_141/3376\_14  
**Date:** 24-Mar-16  
**Blast Time:** 15:51  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast  
Wind Speed: 14 km/hr  
Wind Direction: NE  
Temperature: -5.7 °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:	55.6 LAeq	101.3 dB
Edwards:	46.5 LAeq	111.1 dB
Fred:	42.0 LAeq	107.3 dB
Hollinger Office:	59.7 LAeq	106.3 dB
Noah:	60.8 LAeq	106.5 dB
Sandy:	45.4 LAeq	110.9 dB
Water Tower:	48.2 LAeq	115.6 dB
Wilson:	50.0 LAeq	104.9 dB

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

**Dust Alert: High Dust value at Sandy, exceedance at 24hrs**

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	12.4	14.2	13.3	16.0
Edwards:	24.6	34.3	33.5	50.7
Hollinger Office:	40.3	78.9	42.9	122.7
Hollinger Park:	40.3	72.9	39.1	90.6
Sandy:	52.1	138.8	51.1	132.4

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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:	0.8	1.5
Edwards:	2.8	3.4
Hollinger Office:	3.6	4.4
Hollinger Park:	2.4	5.0
Sandy:	9.3	23.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.1
Edwards:	0.1	0.3	0.1
Hollinger Office:	0.2	0.2	0.2
Hollinger West:	1.8	0.2	0.4
Imerys:	0.2	0.3	0.3
Noah:	0.3	0.2	0.4
Moneta Pumping Station:	0.6	0.5	0.6
Sandy:	1.9	1.3	1.4
Water Tower:	0.3	0.3	0.2
Wilson:	1.1	1.0	0.9