

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_103  
**Date:** 18-Feb-16  
**Blast Time:** 11:38  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 30000 m  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 19 km/hr  
Wind Direction: S  
Temperature: -7.5 °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: Extencicare**

	<b><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	50.0 LAeq	104.6 dB
Edwards:	49.8 LAeq	105.6 dB
Fred:	44.0 LAeq	110.8 dB
Hollinger Office:	64.1 LAeq	114.4 dB
Noah:	56.6 LAeq	112.5 dB
Sandy:	53.6 LAeq	104.9 dB
Water Tower:	49.7 LAeq	113.8 dB
Wilson:	53.6 LAeq	108.6 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:	4.9	5.3	2.3	3.5
Edwards:	1.7	1.9	3.5	4.4
Hollinger Office:	2.1	3.3	9.3	17.5
Hollinger Park:	1.3	1.4	1.5	3.2
Sandy:	1.4	2.1	1.9	4.1

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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:	1.2	3.9
Edwards:	5.1	9.4
Hollinger Office:	1.7	2.4
Hollinger Park:	2.6	5.2
Sandy:	1.6	3.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.2	0.2
Edwards:	0.2	0.2	0.1
Hollinger Office:	0.2	0.2	0.2
Hollinger West:	1.8	0.2	0.4
Imerys:	0.2	1.0	0.1
Noah:	0.2	0.2	0.4
Moneta Pumping Station:	1.9	1.1	0.9
Sandy:	1.0	1.5	1.1
Water Tower:	0.3	0.5	0.2
Wilson:	0.9	0.5	0.7