

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_077  
**Date:** 21-Jun-16  
**Blast Time:** 11:38  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 4572 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 6.2 km/hr  
Wind Direction: W  
Temperature: 14.3 °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><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	56.0 LAeq	110.0 dB
Edwards:	55.8 LAeq	108.4 dB
Fred:	46.2 LAeq	105.7 dB
Hollinger Office:	64.0 LAeq	109.8 dB
Noah:	64.9 LAeq	107.6 dB
Sandy:	52.5 LAeq	105.9 dB
Water Tower:	50.3 LAeq	119.8 dB
Wilson:	51.6 LAeq	106.3 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:	2.7	5.5	7.4	11.6
Edwards:	0.0	0.0	0.0	0.0
Hollinger Office:	45.1	75.1	39.6	78.2
Hollinger Park:	7.9	11.8	13.1	22.7
Sandy:	1.4	1.9	7.0	9.8

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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:	1.2	3.0
Edwards:	0.0	0.0
Hollinger Office:	6.7	12.0
Hollinger Park:	2.2	7.5
Sandy:	0.5	1.2

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.5	0.4
Edwards:	0.3	0.3	0.3
Hollinger Office:	0.4	0.2	0.4
Hollinger West:	0.2	0.2	0.4
Imerys:	0.2	0.0	0.3
Noah:	0.4	0.5	0.4
Moneta Pumping Station:	0.9	0.4	0.7
Sandy:	0.5	0.6	0.6
Water Tower:	0.4	0.2	0.4
Wilson:	1.0	0.7	1.1