

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_077  
**Date:** 23-Jun-16  
**Blast Time:** 15:35  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: none m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 18.1 km/hr  
Wind Direction: SE  
Temperature: 20.6 °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:	60.7 LAeq	107.3 dB
Edwards:	63.8 LAeq	100.8 dB
Fred:	47.5 LAeq	108.1 dB
Hollinger Office:	58.4 LAeq	105.9 dB
Noah:	61.3 LAeq	107.0 dB
Sandy:	54.4 LAeq	112.7 dB
Water Tower:	52.9 LAeq	115.0 dB
Wilson:	50.7 LAeq	109.5 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:	2.9	3.1	8.2	10.6
Edwards:	4.4	6.1	9.6	14.2
Hollinger Office:	8.4	12.1	10.8	15.4
Hollinger Park:	25.2	36.8	27.3	43.7
Sandy:	30.0	77.0	31.3	88.1

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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:	0.0	0.1
Edwards:	0.0	0.0
Hollinger Office:	2.0	3.2
Hollinger Park:	1.7	6.1
Sandy:	1.0	3.1

## 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:	0.2	0.2	0.3
Hollinger Office:	0.5	0.1	0.2
Hollinger West:	0.3	0.2	0.3
Imerys:	0.2	0.3	0.3
Noah:	0.3	0.2	0.2
Moneta Pumping Station:	2.1	1.2	2.1
Sandy:	1.5	1.2	2.0
Water Tower:	0.6	0.2	0.6
Wilson:	1.0	0.7	1.0