

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_066  
**Date:** 1-May-16  
**Blast Time:** 11:45  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 7620 m  
Boundary Layer Height: none m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 9 km/hr  
Wind Direction: N  
Temperature: 9.7 °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><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	54.7 LAeq	97.4 dB
Edwards:	57.2 LAeq	95.4 dB
Fred:	44.1 LAeq	98.9 dB
Hollinger Office:	63.0 LAeq	102.9 dB
Noah:	59.2 LAeq	100.2 dB
Sandy:	63.9 LAeq	113.5 dB
Water Tower:	48.3 LAeq	111.7 dB
Wilson:	47.2 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:	9.9	10.4	1.4	2.2
Edwards:	2.1	2.4	4.7	6.2
Hollinger Office:	2.8	3.5	5.7	11.6
Hollinger Park:	3.5	5.3	8.1	17.0
Sandy:	8.0	17.0	12.9	35.0

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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:	0.3	1.1
Edwards:	0.7	0.9
Hollinger Office:	1.1	1.9
Hollinger Park:	0.3	0.5
Sandy:	4.6	16.2

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.1
Edwards:	0.1	0.2	0.0
Hollinger Office:	0.5	0.2	0.2
Hollinger West:	2.0	0.3	0.6
Imerys:	0.4	0.3	0.4
Noah:	0.3	0.2	0.4
Moneta Pumping Station:	0.6	0.6	0.5
Sandy:	1.5	1.5	1.6
Water Tower:	1.3	0.4	1.1
Wilson:	1.2	1.3	1.0