

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3388\_098  
**Date:** 9-Apr-15  
**Blast Time:** 15:41  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 430m  
Boundary Layer Height: 520m  
Cloud Cover: 100% Overcast  
Wind Speed: 13 km/hr  
Wind Direction: SE  
Temperature: 1.3 °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: Extencicare**

	<b><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	56.1 LAeq	104.2 dB
Edwards:	48.6 LAeq	93.8 dB
Fred:	44.6 LAeq	105.1 dB
Hollinger Office:	61.8 LAeq	124.0 dB
Noah:	60.6 LAeq	118.6 dB
Sandy:	54.9 LAeq	105.5 dB
Water Tower:	56.2 LAeq	120.7 dB
Wilson:	52.3 LAeq	107.2 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:	11.2	11.8	17.4	18.2
Edwards:	7.2	7.7	12.7	13.9
Hollinger Office:	14.9	17.4	16.8	21.3
Hollinger Park:	12.7	16.6	4.7	4.9
Sandy:	6.8	7.1	13.8	16.3

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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:	0.7	1.2
Edwards:	1.2	1.5
Hollinger Office:	14.1	22.8
Hollinger Park:	0.0	0.0
Sandy:	2.0	5.1

## 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
Hollinger Office:	0.2	0.2	0.3
Hollinger West:	0.1	0.1	0.2
Imerys:	0.4	0.3	0.5
Noah:	0.3	0.3	0.8
Moneta Pumping Station:	0.3	0.2	0.3
Sandy:	1.5	0.7	2.1
Water Tower:	0.3	0.1	0.3
Wilson:	0.4	0.4	0.5