

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3388\_121/121F  
**Date:** 28-Sep-15  
**Blast Time:** 15:55  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 6797 m  
Boundary Layer Height: n/a m  
Cloud Cover: 75% Cloudy  
Wind Speed: 8 km/hr  
Wind Direction: SW  
Temperature: 23 °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>L<sub>aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	58.9 LAeq	107.4 dB
Edwards:	54.8 LAeq	108.5 dB
Fred:	47.0 LAeq	113.2 dB
Hollinger Office:	64.1 LAeq	109.1 dB
Noah:	61.3 LAeq	104.6 dB
Sandy:	55.3 LAeq	118.1 dB
Water Tower:	52.5 LAeq	112.9 dB
Wilson:	53.3 LAeq	105.9 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	18.2	13.9	25.2
Edwards:	24.7	42.8	47.5	85.9
Hollinger Office:	47.1	110.5	50.1	114.5
Hollinger Park:	14.1	18.4	28.0	47.2
Sandy:	11.0	14.4	22.4	27.8

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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:	1.9	4.2
Edwards:	16.5	23.5
Hollinger Office:	13.0	20.7
Hollinger Park:	3.6	5.9
Sandy:	0.7	0.9

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.1	0.1
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.1	0.0	0.0
Hollinger West:	0.0	0.0	0.1
Imerys:	0.2	0.1	0.2
Noah:	0.1	0.2	0.1
Moneta Pumping Station:	0.1	0.1	0
Sandy:	0.2	0.3	0.1
Water Tower:	0.0	0.1	0.1
Wilson:	0.1	0.1	0.1