

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3352\_034  
**Date:** 30-May-17  
**Blast Time:** 11:46  
**Blast Sign Activation:** 8:30  
**Website Notification Time:** 8:30

## Blast Conditions

Ceiling Height: 2300 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 15 km/hr  
Wind Direction: SW  
Temperature: 13.5 °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:	55.1 LAeq	100.2 dB
Edwards:	49.6 LAeq	104.4 dB
Fred:	46.6 LAeq	107.1 dB
Hollinger Office:	55.4 LAeq	109.2 dB
Noah:	61.9 LAeq	106.4 dB
Sandy:	52.9 LAeq	112.9 dB
Water Tower:	60.9 LAeq	114.5 dB
Wilson:	50.3 LAeq	106.7 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:	8.6	9.5	24.8	26.0
Edwards:	5.4	6.1	8.8	9.8
Hollinger Office:	9.2	12.5	14.2	25.5
Hollinger Park:	9.3	11.8	14.8	21.5
Sandy:	7.2	8.1	6.5	8.0

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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:	2.9	4.1
Edwards:	1.9	4.1
Hollinger Office:	8.4	16.4
Hollinger Park:	1.7	2.7
Sandy:	1.4	1.9

## 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:	0.3	0.1	0.3
Hollinger West:	1.0	0.6	1.0
Imerys:	0.6	0.5	0.8
Noah:	0.7	0.3	0.7
Moneta Pumping Station:	0.5	0.4	0.4
Sandy:	1.3	1.0	1.1
Water Tower:	1.1	0.6	1.1
Wilson:	2.6	2.2	3.5