

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3346\_021  
**Date:** 6-Jul-17  
**Blast Time:** 11:46  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 10000 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 9 km/hr  
Wind Direction: SW  
Temperature: 27.5 °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:	55.3 LAeq	109.5 dB
Edwards:	55.2 LAeq	108.6 dB
Fred:	50.8 LAeq	108.1 dB
Hollinger Office:	56.4 LAeq	107.9 dB
Noah:	61.7 LAeq	107.7 dB
Sandy:	50.3 LAeq	107.4 dB
Water Tower:	52.6 LAeq	114.2 dB
Wilson:	54.5 LAeq	110.7 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:	9.6	10.6	24.1	25.5
Edwards:	20.5	26.8	35.3	49.6
Hollinger Office:	67.3	158.7	89.8	258.8
Sandy:	10.0	11.1	17.4	21.1

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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	0.0
Edwards:	4.4	6.6
Hollinger Office:	5.7	10.1
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:	0.2	0.2	0.3
Hollinger Office:	0.2	0.1	0.2
Hollinger West:	0.4	0.4	0.4
Imerys:	0.3	0.4	0.4
Noah:	0.3	0.5	0.3
Moneta Pumping Station:	3.7	2.9	4.0
Sandy:	3.4	2.1	4.1
Water Tower:	0.9	0.4	0.8
Wilson:	0.9	0.6	1.1