

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3340\_005  
**Date:** 20-Sep-17  
**Blast Time:** 11:38  
**Blast Sign Activation:** 8:47  
**Website Notification Time:** 8:30

## Blast Conditions

Ceiling Height: 30000 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 9.3 km/hr  
Wind Direction: SE  
Temperature: 19.8 °C

## Noise Levels (L<sub>Aeq</sub>) – 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	101.7 dB
Edwards:	52.1 LAeq	103.5 dB
Fred:	47.6 LAeq	103.1 dB
Hollinger Office:	57.6 LAeq	109.3 dB
Noah:	67.3 LAeq	108.5 dB
Sandy:	50.9 LAeq	108.2 dB
Water Tower:	53.5 LAeq	109.4 dB
Wilson:	52.1 LAeq	108.0 dB

## Dust Levels (µg/m<sup>3</sup>) – 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:	9.7	10.2	19.2	20.6
Edwards:	9.0	9.8	22.4	25.2
Hollinger Office:	17.1	24.9	34.8	60.2
Sandy:	2.2	2.9	18.5	21.2

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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	0.6
Edwards:	1.9	3.7
Hollinger Office:	7.8	16.7
Sandy:	0.7	1.1

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.2	0.3
Edwards:	0.2	0.2	0.2
Hollinger Office:	0.3	0.1	0.3
Hollinger West:	0.3	0.4	0.3
Imerys:	0.3	0.3	0.3
Noah:	0.4	0.5	0.4
Moneta Pumping Station:	0.1	0.1	0.1
Sandy:	1.6	1.2	1.2
Water Tower:	0.8	0.3	0.6
Wilson:	0.8	0.7	0.9