

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3340\_032  
**Date:** 21-Aug-18  
**Blast Time:** 11:50  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 25000 ft  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 8 km/hr  
Wind Direction: NE  
Temperature: 18 °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:	55.5 LAeq	98.5 dB
Edwards:	50.0 LAeq	94.7 dB
Fred:	42.7 LAeq	90.5 dB
Hollinger Office:	56.0 LAeq	97.1 dB
Noah:	60.0 LAeq	96.7 dB
Sandy:	43.8 LAeq	105.6 dB
Water Tower:	47.0 LAeq	110.4 dB
Wilson:	50.9 LAeq	105.6 dB

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	24.2	28.1	21.0	26.5
Edwards:	8.6	21.4	0.0	0.0
Hollinger Office:	13.5	14.2	45.2	51.7
Sandy:	22.5	32.5	50.1	101.5

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## NO<sub>x</sub> Levels (ppb) - NO<sub>x</sub> Monitoring Instruments Reviewed:

	Avg. NO <sub>x</sub>	Max NO <sub>x</sub>
Claimpost:	0.1	0.2
Edwards:	0.0	0.0
Hollinger Office:	3.0	13.4
Sandy:	5.5	14.6

## 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:	0.3	0.2	0.2
Hollinger Office:	0.9	0.4	0.8
Hollinger West:	1.0	0.8	1.2
Imerys:	1.6	2.2	1.8
Noah:	1.6	1.6	2.2
Moneta Pumping Station:	0.4	0.2	0.6
Sandy:	0.6	0.4	0.6
Water Tower:	8.5	2.9	10.3
Wilson:	1.5	1.2	1.1