

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3340\_023  
**Date:** 12-Apr-18  
**Blast Time:** 11:47  
**Blast Sign Activation:** 7:25  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 11000 ft  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 9 km/hr  
Wind Direction: S  
Temperature: 1.8 °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:	52.6 LAeq	96.0 dB
Edwards:	44.8 LAeq	99.0 dB
Fred:	41.4 LAeq	91.1 dB
Hollinger Office:	55.9 LAeq	104.9 dB
Noah:	62.1 LAeq	105.0 dB
Sandy:	45.7 LAeq	107.8 dB
Water Tower:	45.3 LAeq	114.3 dB
Wilson:	48.1 LAeq	110.6 dB

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

**Dust Alert: No Exceedances recorded at 24hr.**

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	11.9	12.9	9.2	10.4
Edwards:	6.9	7.3	15.3	16.5
Hollinger Office:	13.7	17.2	19.8	27.1
Sandy:	7.6	9.0	11.9	16.8

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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:	2.2	4.7
Edwards:	1.2	1.8
Hollinger Office:	7.3	11.7
Sandy:	5.7	10.3

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.1	0.2
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.2	0.2	0.3
Hollinger West:	1.9	1.4	1.5
Imerys:	0.6	0.3	0.4
Noah:	0.7	0.7	0.9
Moneta Pumping Station:	0.7	0.6	0.5
Sandy:	1.7	1.5	2.2
Water Tower:	0.7	0.3	0.5
Wilson:	0.1	0.2	0.1