

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_242  
**Date:** 15-Apr-18  
**Blast Time:** 11:51  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 7:50

## Blast Conditions

Ceiling Height: 22000 ft  
Boundary Layer Height: none m  
Cloud Cover: 100% Overcast  
Wind Speed: 19 km/hr  
Wind Direction: E  
Temperature: -7.1 °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><math>L_{Aeq}</math></b>	<b><math>L_{peak}</math> dB</b>
Comfort Inn:	53.2 LAeq	110.5 dB
Edwards:	47.4 LAeq	111.8 dB
Fred:	42.8 LAeq	112.4 dB
Hollinger Office:	54.9 LAeq	110.8 dB
Noah:	60.1 LAeq	111.8 dB
Sandy:	43.9 LAeq	112.5 dB
Water Tower:	49.8 LAeq	108.6 dB
Wilson:	51.9 LAeq	112.9 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:	8.5	9.4	5.9	7.8
Edwards:	11.3	13.9	21.3	35.9
Hollinger Office:	18.0	52.8	22.6	74.7
Sandy:	43.6	73.6	40.8	83.5

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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:	0.6	0.7
Edwards:	1.3	1.7
Hollinger Office:	2.4	2.8
Sandy:	5.0	19.9

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	1.5	1.1	1.6
Edwards:	0.4	0.4	0.3
Hollinger Office:	0.6	0.5	0.5
Hollinger West:	0.2	0.2	0.1
Imerys:	0.4	0.2	0.3
Noah:	0.6	0.4	0.6
Moneta Pumping Station:	0.4	0.3	0.3
Sandy:	0.3	0.2	0.4
Water Tower:	0.4	0.2	0.4
Wilson:	0.6	0.5	0.6