

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3358\_079 and 3346\_007A/B/C  
**Date:** 18-Feb-17  
**Blast Time:** 11:40  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 7:20

## Blast Conditions

Ceiling Height: 7315 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 10 km/hr  
Wind Direction: W  
Temperature: 4.7 °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:	54.7 LAeq	108.9 dB
Edwards:	57.3 LAeq	111.4 dB
Fred:	46.0 LAeq	107.3 dB
Hollinger Office:	66.0 LAeq	107.7 dB
Noah:	61.5 LAeq	112.1 dB
Sandy:	51.9 LAeq	109.4 dB
Water Tower:	50.4 LAeq	118.6 dB
Wilson:	69.3 LAeq	121.5 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:	29.0	32.2	25.3	28.0
Edwards:	15.7	17.5	55.9	66.0
Hollinger Office:	35.7	40.1	85.2	103.6
Hollinger Park:	14.5	15.3	40.9	45.0
Sandy:	12.6	14.2	36.8	41.6

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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:	8.0	10.8
Edwards:	12.9	19.0
Hollinger Office:	11.9	15.5
Hollinger Park:	4.1	5.4
Sandy:	3.7	4.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.6	0.4	0.5
Edwards:	0.3	0.2	0.3
Hollinger Office:	0.5	0.4	0.8
Hollinger West:	0.5	0.4	0.4
Imerys:	0.8	0.5	0.6
Noah:	1.7	0.5	1.1
Moneta Pumping Station:	0.6	0.7	0.9
Sandy:	1.8	2.4	1.6
Water Tower:	0.7	1.1	0.9
Wilson:	3.7	2.1	2.8