

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3352\_011  
**Date:** 17-Mar-17  
**Blast Time:** 15:39  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 7:30

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: none m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 15.3 km/hr  
Wind Direction: S  
Temperature: 5.3 °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:	53.2 LAeq	98.2 dB
Edwards:	47.4 LAeq	97.9 dB
Fred:	44.1 LAeq	99.6 dB
Hollinger Office:	56.7 LAeq	102.7 dB
Noah:	60.6 LAeq	99.1 dB
Sandy:	49.1 LAeq	111.0 dB
Water Tower:	57.8 LAeq	102.1 dB
Wilson:	51.1 LAeq	101.2 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:	10.1	16.2	13.0	30.2
Edwards:	7.5	7.9	6.1	8.1
Hollinger Office:	2.3	2.3	10.1	10.1
Hollinger Park:	6.8	7.5	11.1	14.4
Sandy:	6.9	7.8	6.1	8.6

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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:	4.4	10.1
Edwards:	1.4	3.5
Hollinger Office:	0.0	0.0
Hollinger Park:	1.5	3.3
Sandy:	1.0	1.6

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.3
Edwards:	0.2	0.1	0.2
Hollinger Office:	0.2	0.2	0.3
Hollinger West:	0.3	0.2	0.3
Imerys:	0.2	0.4	0.3
Noah:	0.3	0.3	0.4
Moneta Pumping Station:	1.2	1.0	1.0
Sandy:	1.8	1.7	2.4
Water Tower:	0.3	0.2	0.2
Wilson:	0.9	1.2	1.1