

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3370\_115/109  
**Date:** 4-Mar-16  
**Blast Time:** 11:41  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: n/a m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 1.5 km/hr  
Wind Direction: E  
Temperature: -6.6 °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:	48.6 LAeq	100.6 dB
Edwards:	45.4 LAeq	100.6 dB
Fred:	38.3 LAeq	93.4 dB
Hollinger Office:	60.6 LAeq	104.7 dB
Noah:	59.4 LAeq	100.2 dB
Sandy:	57.6 LAeq	112.2 dB
Water Tower:	44.6 LAeq	105.0 dB
Wilson:	48.1 LAeq	98.0 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:	8.5	10.1	6.3	8.2
Edwards:	6.3	10.2	13.5	24.7
Hollinger Office:	2.6	3.9	8.0	12.6
Hollinger Park:	1.9	2.5	10.0	15.2
Sandy:	2.1	3.4	6.8	12.4

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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:	9.6	14.9
Edwards:	11.4	22.5
Hollinger Office:	13.8	24.4
Hollinger Park:	7.3	10.0
Sandy:	15.7	43.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.2
Edwards:	0.2	0.3	0.1
Hollinger Office:	0.1	0.2	0.1
Hollinger West:	1.8	0.3	0.3
Imerys:	0.2	0.2	0.1
Noah:	0.3	0.2	0.3
Moneta Pumping Station:	1.9	2.6	1.7
Sandy:	1.6	1.7	1.4
Water Tower:	0.2	0.2	0.2
Wilson:	0.7	0.8	0.8