

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_105  
**Date:** 1-Sep-16  
**Blast Time:** 15:40  
**Blast Sign Activation:** 12:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: none m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 10 km/hr  
Wind Direction: N  
Temperature: 15 °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:	56.6 LAeq	101.9 dB
Edwards:	51.5 LAeq	97.8 dB
Fred:	46.3 LAeq	103.5 dB
Hollinger Office:	58.7 LAeq	107.9 dB
Noah:	61.4 LAeq	102.3 dB
Sandy:	51.3 LAeq	104.3 dB
Water Tower:	52.0 LAeq	108.9 dB
Wilson:	35.0 LAeq	92.7 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:	2.5	3.8	0.0	0.0
Edwards:	1.6	2.0	5.4	6.8
Hollinger Office:	4.0	6.6	8.6	11.1
Hollinger Park:	6.3	8.9	11.3	14.1
Sandy:	11.8	28.0	9.6	26.7

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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:	0.0	0.0
Edwards:	0.0	0.1
Hollinger Office:	3.1	4.8
Hollinger Park:	1.8	4.8
Sandy:	6.6	21.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.2	0.3
Edwards:	0.2	0.2	0.2
Hollinger Office:	0.2	0.1	0.3
Hollinger West:	0.2	0.1	0.1
Imerys:	0.7	0.5	0.6
Noah:	0.5	0.3	0.7
Moneta Pumping Station:	0.4	0.2	0.4
Sandy:	0.3	0.5	0.4
Water Tower:	0.3	0.2	0.3
Wilson:	1.3	0.4	0.9