

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3382\_097  
**Date:** 16-Jul-15  
**Blast Time:** 15:49  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 13:30

## Blast Conditions

Ceiling Height: 4000 m  
Boundary Layer Height: None m  
Cloud Cover: 25% Scattered Clouds  
Wind Speed: 10 km/hr  
Wind Direction: SW  
Temperature: 25.7 °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:	54.3 LAeq	119.1 dB
Edwards:	56.2 LAeq	114.2 dB
Fred:	50.0 LAeq	108.0 dB
Hollinger Office:	61.2 LAeq	119.8 dB
Noah:	61.3 LAeq	110.6 dB
Sandy:	54.1 LAeq	107.6 dB
Water Tower:	52.5 LAeq	113.7 dB
Wilson:	49.0 LAeq	104.2 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:	5.9	7.3	13.5	16.6
Edwards:	14.9	28.4	23.5	45.3
Hollinger Office:	30.2	78.1	39.6	78.9
Hollinger Park:	24.3	59.2	35.0	82.3
Sandy:	22.2	39.8	34.1	63.8

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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:	1.2	3.6
Edwards:	2.4	4.5
Hollinger Office:	4.8	8.0
Hollinger Park:	3.3	4.2
Sandy:	0.6	0.8

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.5	0.7	0.6
Edwards:	0.2	0.3	0.3
Hollinger Office:	0.3	0.2	0.5
Hollinger West:	0.2	0.1	0.2
Imerys:	0.2	0.4	0.3
Noah:	0.3	0.2	0.4
Moneta Pumping Station:	0.4	0.4	0.6
Sandy:	1.3	1.1	1.4
Water Tower:	0.3	0.2	0.4
Wilson:	0.5	0.4	0.6