

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3382\_075  
**Date:** 5-Aug-15  
**Blast Time:** 15:46  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 630 m  
Boundary Layer Height: N/A m  
Cloud Cover: 100% Overcast  
Wind Speed: 6 km/hr  
Wind Direction: W  
Temperature: 16.2 °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:	57.8 LAeq	107.1 dB
Edwards:	52.0 LAeq	101 dB
Fred:	48.5 LAeq	103.8 dB
Hollinger Office:	59.2 LAeq	108.9 dB
Noah:	61.8 LAeq	107.7 dB
Sandy:	54.9 LAeq	109.6 dB
Water Tower:	52.0 LAeq	113.6 dB
Wilson:	52.5 LAeq	103.8 dB

## Dust Levels ( $\mu\text{g}/\text{m}^3$ ) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No exceedances recorded. Malfunction in TSP unit at Sandy Station (bug in system)**

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	4.5	5.4	3.5	4.4
Edwards:	4.5	6.1	7.0	8.2
Hollinger Office:	5.8	7.3	7.2	8.2
Hollinger Park:	8.6	10.0	18.2	31.6
Sandy:	6.1	11.1	30.0	39.8

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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:	0.6	2.0
Edwards:	0.8	1.5
Hollinger Office:	2.3	3.3
Hollinger Park:	2.8	4.9
Sandy:	8.6	39.1

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.1	0.1	0.1
Edwards:	0.1	0.1	0.1
Hollinger Office:	0.1	0.0	0.0
Hollinger West:	0.1	0.1	0.1
Imerys:	0.1	0.2	0.1
Noah:	0.2	0.2	0.2
Moneta Pumping Station:	0.6	0.2	0.3
Sandy:	1.6	1.2	1.4
Water Tower:	0.1	0.1	0.1
Wilson:	0.3	0.2	0.2