

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3358\_002  
**Date:** 12-Jan-17  
**Blast Time:** 13:39  
**Blast Sign Activation:** 7:45  
**Website Notification Time:** 7:15

## Blast Conditions

Ceiling Height: 9144 m  
Boundary Layer Height: none m  
Cloud Cover: 75% Cloudy  
Wind Speed: 4 km/hr  
Wind Direction: NE  
Temperature: -17.6 °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:	58.6 LAeq	102.7 dB
Edwards:	47.0 LAeq	95.9 dB
Fred:	37.1 LAeq	92.2 dB
Hollinger Office:	56.0 LAeq	100.7 dB
Noah:	55.3 LAeq	98.1 dB
Sandy:	45.9 LAeq	111.6 dB
Water Tower:	42.9 LAeq	111.0 dB
Wilson:	66.5 LAeq	118.3 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:	8.6	11.7	6.4	9.5
Edwards:	6.6	8.9	11.7	18.9
Hollinger Office:	18.1	92.9	0.0	0.0
Hollinger Park:	6.4	6.8	10.1	10.7
Sandy:	9.1	11.7	9.8	16.0

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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:	9.7	18.0
Edwards:	10.3	16.4
Hollinger Office:	18.4	34.6
Hollinger Park:	9.8	18.6
Sandy:	16.2	32.6

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.3	0.1	0.2
Edwards:	0.1	0.2	0.1
Hollinger Office:	0.3	0.3	0.3
Hollinger West:	0.6	0.4	0.7
Imerys:	0.5	0.6	0.4
Noah:	0.5	0.4	0.6
Moneta Pumping Station:	0.7	0.6	0.5
Sandy:	2.6	2.0	1.4
Water Tower:	0.6	1.0	0.6
Wilson:	1.4	1.6	1.9