

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3364\_060  
**Date:** 30-Jan-16  
**Blast Time:** 11:39  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 640 m  
Boundary Layer Height: n/a m  
Cloud Cover: 100% Overcast (Snow)  
Wind Speed: 15 km/hr  
Wind Direction: S  
Temperature: -6.1 °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><math>L_{Aeq}</math></b>		<b><math>L_{peak}</math> dB</b>
Comfort Inn:	48.1 LAeq	101.7	dB
Edwards:	49.5 LAeq	105.9	dB
Fred:	43.6 LAeq	102.2	dB
Hollinger Office:	59.0 LAeq	111.1	dB
Noah:	59.6 LAeq	104.1	dB
Sandy:	48.6 LAeq	106.4	dB
Water Tower:	51.7 LAeq	116.9	dB
Wilson:	56.1 LAeq	103.9	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:	7.7	9.2	3.6	5.1
Edwards:	6.6	8.0	7.1	7.8
Hollinger Office:	11.3	13.5	7.2	9.4
Hollinger Park:	5.7	6.3	5.9	7.4
Sandy:	11.8	16.3	5.2	7.4

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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:	4.4	11.2
Edwards:	4.0	6.1
Hollinger Office:	6.9	13.6
Hollinger Park:	1.4	6.3
Sandy:	3.3	6.0

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

**Vibration Alert: No exceedances recorded**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.2	0.1
Edwards:	0.1	0.2	0.1
Hollinger Office:	0.2	0.3	0.2
Hollinger West:	2.0	0.1	0.0
Imerys:	0.3	0.2	0.4
Noah:	0.2	0.3	0.6
Moneta Pumping Station:	0.8	0.4	0.5
Sandy:	1.0	1.4	1.4
Water Tower:	0.3	0.3	0.2
Wilson:	1.2	0.8	1.1