

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3376\_034  
**Date:** 13-Jul-15  
**Blast Time:** 11:35  
**Blast Sign Activation:** 8:00  
**Website Notification Time:** 10:30

## Blast Conditions

Ceiling Height: 1200 m  
Boundary Layer Height: 900 m  
Cloud Cover: 50% Partially Cloudy  
Wind Speed: 15 km/hr  
Wind Direction: SE  
Temperature: 25.6 °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:	53.6 LAeq	105.6 dB
Edwards:	51.8 LAeq	105.3 dB
Fred:	49.3 LAeq	102.2 dB
Hollinger Office:	59.2 LAeq	112.1 dB
Noah:	76.0 LAeq	109.0 dB
Sandy:	58.2 LAeq	107.0 dB
Water Tower:	52.3 LAeq	112.5 dB
Wilson:	51.2 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:	29.2	31.3	42.9	45.5
Edwards:	20.8	21.9	61.2	68.0
Hollinger Office:	50.0	174.3	89.8	328.5
Hollinger Park:	29.6	38.6	72.2	97.9
Sandy:	30.7	39.8	90.7	124.4

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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:	1.3	2.1
Edwards:	1.0	1.6
Hollinger Office:	16.8	91.3
Hollinger Park:	8.0	53.8
Sandy:	1.1	1.4

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

**Vibration Alert: No exceedances recorded**

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