

Hollinger Public Blast Report



PORCUPINE GOLD MINES

Blast Pattern: 3352_092 & 3364_249
Date: 18-Aug-18
Blast Time: 15:45
Blast Sign Activation: 9:00
Website Notification Time: 9:00

Blast Conditions

Ceiling Height: 30000 ft
Boundary Layer Height: none m
Cloud Cover: 25% Scattered Clouds
Wind Speed: 7 km/hr
Wind Direction: S
Temperature: 21.9 °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**

	L_{aeq}	L_{peak} dB
Comfort Inn:	52.2 LAeq	103.6 dB
Edwards:	51.9 LAeq	97.8 dB
Fred:	41.4 LAeq	94.8 dB
Hollinger Office:	55.5 LAeq	114.8 dB
Noah:	59.2 LAeq	102.8 dB
Sandy:	44.5 LAeq	99.4 dB
Water Tower:	48.5 LAeq	106.1 dB
Wilson:	49.7 LAeq	98.0 dB

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

	Avg. PM10	Max PM10	Avg. TSP	Max TSP
Claimpost:	15.4	15.7	0.0	0.0
Edwards:	3.5	4.0	4.9	6.6
Hollinger Office:	106.5	568.6	50.0	309.9
Sandy:	6.9	7.9	4.2	6.7

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NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

	Avg. NO _x	Max NO _x
Claimpost:	1.3	1.4
Edwards:	0.4	0.8
Hollinger Office:	5.7	34.1
Sandy:	1.2	2.6

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: Exceedance at Hollinger Office (13.2mm/s)

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.6	0.5	0.3
Edwards:	0.2	0.2	0.2
Hollinger Office:	9.0	2.7	13.2
Hollinger West:	0.1	0.1	0.1
Imerys:	0.8	0.8	1.3
Noah:	0.8	0.6	0.8
Moneta Pumping Station:	0.3	0.3	0.3
Sandy:	0.2	0.2	0.2
Water Tower:	0.7	0.2	0.4
Wilson:	0.6	0.5	0.5