

Hollinger Public Blast Report

Blast Pattern: 3394_051
Date: Oct 24, 2014
Blast Time: 15:38
Blast Sign Activation: 07:45
Website Notification Time: 07:30

Blast Conditions

Ceiling Height: >4000 m
 Boundary Layer Height: 540 m
 Cloud Cover: 100% (overcast)
 Wind Speed: 11 km/hr
 Wind Direction: SSW
 Temperature: 10.8 °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} |
|-------------------|---|-------------------------|
| Comfort Inn: | 55.3 L _{Aeq} | 101.5 dB |
| Edwards Temp: | 47.8 L _{Aeq} | 100.0 dB |
| Fred: | 47.9 L _{Aeq} | 96.1dB |
| Hollinger Office: | 60.1 L _{Aeq} | 104.0 dB |
| Noah: | 61.7 L _{Aeq} | 99.7dB |
| Sandy: | 71.0 L _{Aeq} | 105.1 dB |
| Water Tower: | Off (Due to construction work and painting) | |
| Wilson: | 50.8 L _{Aeq} | 97.4 dB |

Dust Levels (µg/m³) – Dust Monitoring Instruments Reviewed:

Dust Alert: No exceedances recorded.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 7.8 | 8.9 | 13.7 | 15.9 |
| Edwards: | 6.3 | 7.3 | 12.1 | 16.7 |
| Hollinger Office: | 7.8 | 9.0 | 14.4 | 16.8 |
| Hollinger Park: | 8.9 | 12.2 | 20.7 | 29.2 |
| Sandy: | 6.7 | 8.3 | 17.1 | 21.6 |

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NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

NO_x Alert: No exceedances recorded

| | Avg. NO _x | Max NO _x |
|-------------------|----------------------|---------------------|
| Claimpost: | 2.1 | 5.6 |
| Edwards: | 2.0 | 3.3 |
| Hollinger Office: | 3.3 | 10.9 |
| Hollinger Park: | 6.8 | 17.5 |
| Sandy: | 0.0 | 0.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded.

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|---|----------|----------|
| Comfort Inn: | 0.3 | 0.2 | 0.3 |
| Edwards Temp: | 0.3 | 0.1 | 0.2 |
| Hollinger Office: | 0.3 | 0.3 | 0.5 |
| Hollinger West: | 0.1 | 0.1 | 0.1 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 0.2 | 0.3 | 0.3 |
| Moneta Pumping Station: | 0.4 | 0.3 | 0.3 |
| Sandy: | 1.4 | 0.6 | 1.3 |
| Water Tower: | Off (Due to construction work and painting) | | |
| Wilson: | 0.5 | 0.4 | 0.4 |