

Hollinger Public Blast Report

Blast Pattern: 3388_071 and 3388_010
Date: January 25, 2015
Blast Time: 11:39
Blast Sign Activation: 07:30
Website Notification Time: 07:15

Blast Conditions

Ceiling Height: 70 m
 Boundary Layer Height: 300 m
 Cloud Cover: 0% Clear
 Wind Speed: 4 km/hr
 Wind Direction: W
 Temperature: -21.6 °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**

| | L_{Aeq} | L_{Peak} |
|-------------------|---|-------------------------|
| Comfort Inn: | 48.3 L _{Aeq} | 106.5 dB |
| Edwards: | 54.0 L _{Aeq} | 95.7 dB |
| Fred: | 42.1 L _{Aeq} | 99.3 dB |
| Hollinger Office: | 62.6 L _{Aeq} | 110.6 dB |
| Noah: | N/A L _{Aeq} | N/A dB |
| Sandy: | 52.7 L _{Aeq} | 113.1 dB |
| Water Tower: | Off (Due to construction work and painting) | |
| Wilson: | 51.1 L _{Aeq} | 107.9 dB |

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

Dust Alert: No exceedances recorded.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 7.9 | 10.2 | 12.4 | 14.7 |
| Edwards: | 2.2 | 4.8 | 11.3 | 38.3 |
| Hollinger Office: | 3.2 | 3.4 | 7.7 | 9.8 |
| Hollinger Park: | 1.5 | 1.7 | 5.5 | 5.9 |
| Sandy: | 1.3 | 1.7 | 4.2 | 5.7 |

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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: | 1.4 | 2.1 |
| Edwards: | 13.0 | 33.6 |
| Hollinger Office: | 7.6 | 10.3 |
| Hollinger Park: | 4.5 | 6.5 |
| Sandy: | 3.4 | 8.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded.

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|---|----------|----------|
| Comfort Inn: | 0.5 | 0.3 | 0.6 |
| Edwards Temp: | 0.2 | 0.1 | 0.2 |
| Hollinger Office: | 0.1 | 0.2 | 0.3 |
| Hollinger West: | 0.2 | 0.1 | 0.1 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 0.0 | 0.0 | 0.0 |
| Moneta Pumping Station: | 0.5 | 0.5 | 0.5 |
| Sandy: | 3.7 | 1.5 | 2.5 |
| Water Tower: | Off (Due to construction work and painting) | | |
| Wilson: | 0.9 | 0.9 | 1.0 |