

Hollinger Public Blast Report

Blast Pattern: 3388_048
Date: February 11, 2015
Blast Time: 13:40
Blast Sign Activation: 07:30
Website Notification Time: 07:30

Blast Conditions

Ceiling Height: 640 m
 Boundary Layer Height: >4000 m
 Cloud Cover: 100% Overcast (Snow)
 Wind Speed: 4 km/hr
 Wind Direction: SSE
 Temperature: -11.7 °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: | 46.1 L _{Aeq} | 94.8 dB |
| Edwards: | 53.3 L _{Aeq} | 82.4 dB |
| Fred: | 42.1 L _{Aeq} | 90.7 dB |
| Hollinger Office: | 57.5 L _{Aeq} | 102.0 dB |
| Noah: | 56.2 L _{Aeq} | 95.6 dB |
| Sandy: | 45.7 L _{Aeq} | 98.1 dB |
| Water Tower: | 53.0 L _{Aeq} | 100.0 dB |
| Wilson: | 54.0 L _{Aeq} | 97.6 dB |

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

Dust Alert: No exceedances recorded.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 9.6 | 10.6 | 14.8 | 16.8 |
| Edwards: | 5.0 | 5.4 | 8.9 | 9.7 |
| Hollinger Office: | 11.7 | 13.9 | 12.7 | 16.9 |
| Hollinger Park: | 8.0 | 9.1 | 12.6 | 14.5 |
| Sandy: | 6.2 | 8.5 | 10.4 | 14.9 |

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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: | 0.7 | 1.4 |
| Edwards: | 2.3 | 4.5 |
| Hollinger Office: | 16.1 | 28.5 |
| Hollinger Park: | 7.2 | 12.3 |
| Sandy: | 3.4 | 5.0 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded.

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.2 | 0.1 | 0.2 |
| Edwards Temp: | 0.1 | 0.2 | 0.2 |
| Hollinger Office: | 0.1 | 0.2 | 0.2 |
| Hollinger West: | 0.2 | 0.1 | 0.1 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 0.1 | 0.4 | 0.2 |
| Moneta Pumping Station: | 1.1 | 0.6 | 1.5 |
| Sandy: | 2.6 | 2.3 | 2.3 |
| Water Tower: | 0.1 | 0.1 | 0.2 |
| Wilson: | 0.5 | 0.4 | 0.5 |