

Hollinger Public Blast Report

Blast Pattern: 3364_168
Date: 30-Oct-16
Blast Time: 11:41
Blast Sign Activation: 8:30
Website Notification Time: 7:30

Blast Conditions

Ceiling Height: 274 m
Boundary Layer Height: none m
Cloud Cover: 100% Overcast
Wind Speed: 4.5 km/hr
Wind Direction: W
Temperature: 2 °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: | 55.6 LAeq | 102.4 dB |
| Edwards: | 55.0 LAeq | 98.3 dB |
| Fred: | 44.2 LAeq | 99.9 dB |
| Hollinger Office: | 58.4 LAeq | 106.0 dB |
| Noah: | 60.7 LAeq | 105.4 dB |
| Sandy: | 52.9 LAeq | 106.2 dB |
| Water Tower: | 51.1 LAeq | 116.2 dB |
| Wilson: | 45.9 LAeq | 97.7 dB |

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

Dust Alert: High TSP due to insect in Neph

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|------------------|-----------------|-----------------|----------------|
| Claimpost: | 2.0 | 2.7 | 2215.9 | 2225.1 |
| Edwards: | 2.3 | 3.0 | 10.0 | 12.9 |
| Hollinger Office: | 2.5 | 3.0 | 9.3 | 11.1 |
| Hollinger Park: | 5.8 | 7.6 | 14.0 | 20.0 |
| Sandy: | 2.1 | 5.6 | 4.3 | 8.5 |

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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: | 0.4 | 1.3 |
| Edwards: | 0.1 | 0.2 |
| Hollinger Office: | 2.2 | 3.2 |
| Hollinger Park: | 2.2 | 3.7 |
| Sandy: | 2.7 | 11.6 |

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: | 0.0 | 0.1 | 0.1 |
| Hollinger Office: | 2.5 | 0.9 | 1.6 |
| Hollinger West: | 0.2 | 0.1 | 0.2 |
| Imerys: | 3.8 | 3.3 | 3.6 |
| Noah: | 1.5 | 1.5 | 1.9 |
| Moneta Pumping Station: | 0.2 | 0.1 | 0.1 |
| Sandy: | 0.2 | 0.4 | 0.2 |
| Water Tower: | 3.2 | 1.9 | 2.5 |
| Wilson: | 0.7 | 0.5 | 0.6 |