

Hollinger Public Blast Report

Blast Pattern: 3394_027

Date: June 12, 2014

Blast Time: 15:35

Blast Sign Activation: 08:00

Website Notification Time: 08:00

Blast Conditions

Ceiling Height: 1480m

Boundary Layer Height: 860m

Cloud Cover: 50% (partially cloudy)

Wind Speed: 9 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

| | |
|-------------------|----------------|
| Comfort Inn: | 54.5 L_{Aeq} |
| Edwards: | 54.8 L_{Aeq} |
| Fred: | 47.5 L_{Aeq} |
| Hollinger Office: | 63.2 L_{Aeq} |
| Noah: | 59.4 L_{Aeq} |
| Sandy: | 65.9 L_{Aeq} |
| Water Tower: | 50.0 L_{Aeq} |
| Wilson: | 49.4 L_{Aeq} |

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

Dust Alert: No exceedances recorded.

| | Avg. PM10 | Max PM10 | Avg. TSP | Max TSP |
|-------------------|-----------|----------|----------|---------|
| Edwards: | 13.3 | 15.9 | 19.8 | 33.2 |
| Hollinger Office: | 16.6 | 26.3 | 21.2 | 35.1 |
| Hollinger Park: | 11.5 | 16.0 | 22.8 | 36.5 |
| Sandy: | 8.7 | 17.3 | 23.3 | 37.1 |

Hollinger Public Blast Report

NO_x Levels (ppb) - NO_x Monitoring Instruments Reviewed:

NO_x Alert: No exceedances recorded.

| | Avg. NO _x | Max NO _x |
|-----------------------------|----------------------|---------------------|
| GC1-379 (Hollinger Park): | 1.8 | 3.4 |
| GC2-380 (Hollinger Office): | 4.1 | 8.0 |
| GC3-381 (Hollinger Park): | 1.9 | 6.4 |
| GC4-382 (Sandy): | 0.9 | 1.2 |

Vibration (mm/s) – Vibration Instruments Reviewed:

Vibration Alert: No exceedances recorded.

| | Trans PPV | Vert PPV | Long PPV |
|-------------------------|-----------|----------|----------|
| Comfort Inn: | 0.0 | 0.0 | 0.1 |
| Edwards: | 0.1 | 0.0 | 0.1 |
| Hollinger Office: | 0.1 | 0.1 | 0.1 |
| Hollinger West: | 0.0 | 0.0 | 0.0 |
| Imerys: | 0.2 | 0.2 | 0.2 |
| Noah: | 0.1 | 0.2 | 0.1 |
| Moneta Pumping Station: | 1.3 | 0.7 | 2.3 |
| Sandy: | 3.4 | 1.9 | 2.7 |
| Water Tower: | 0.1 | 0.0 | 0.1 |
| Wilson: | 0.3 | 0.1 | 0.2 |