

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

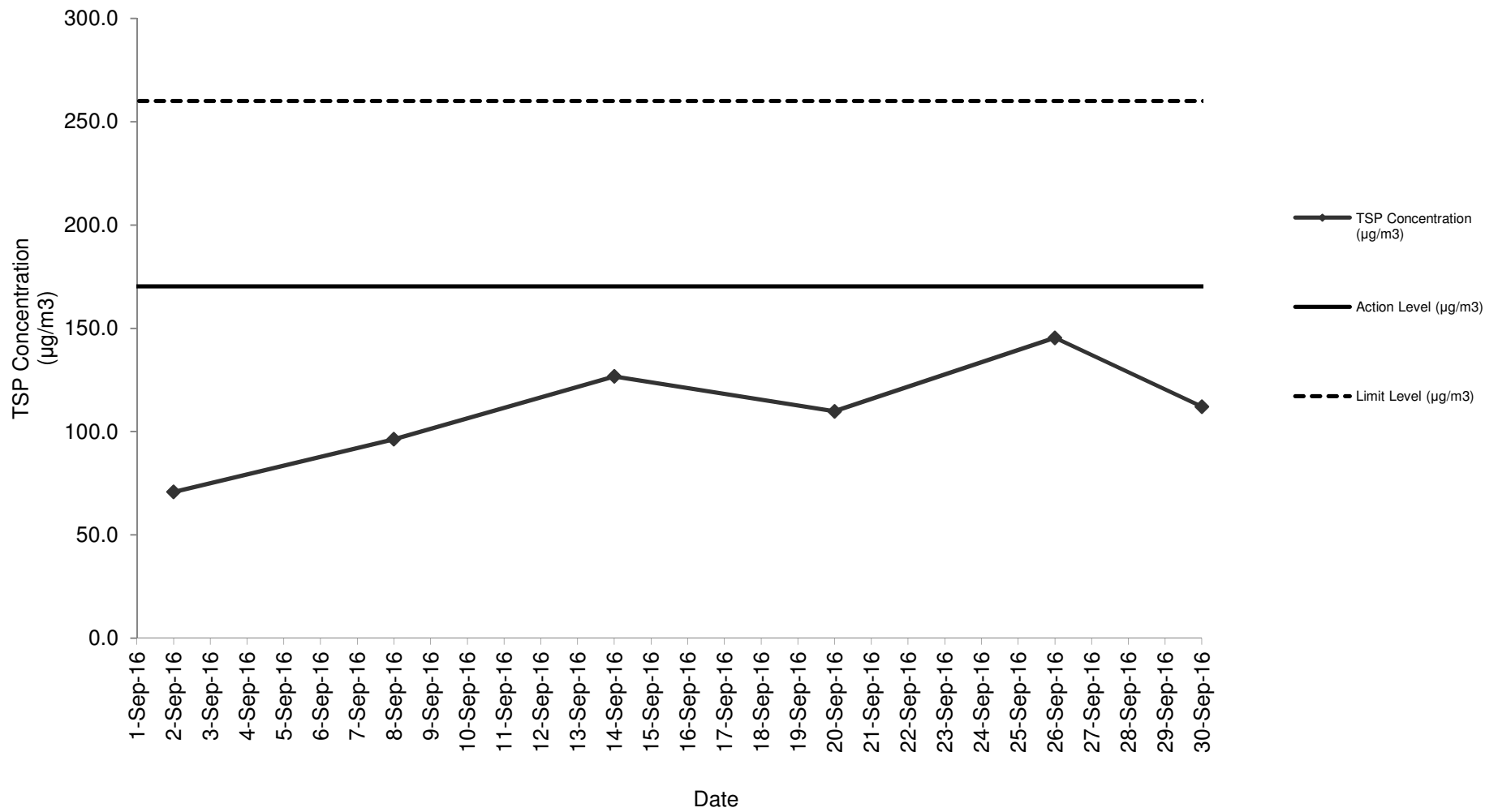
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

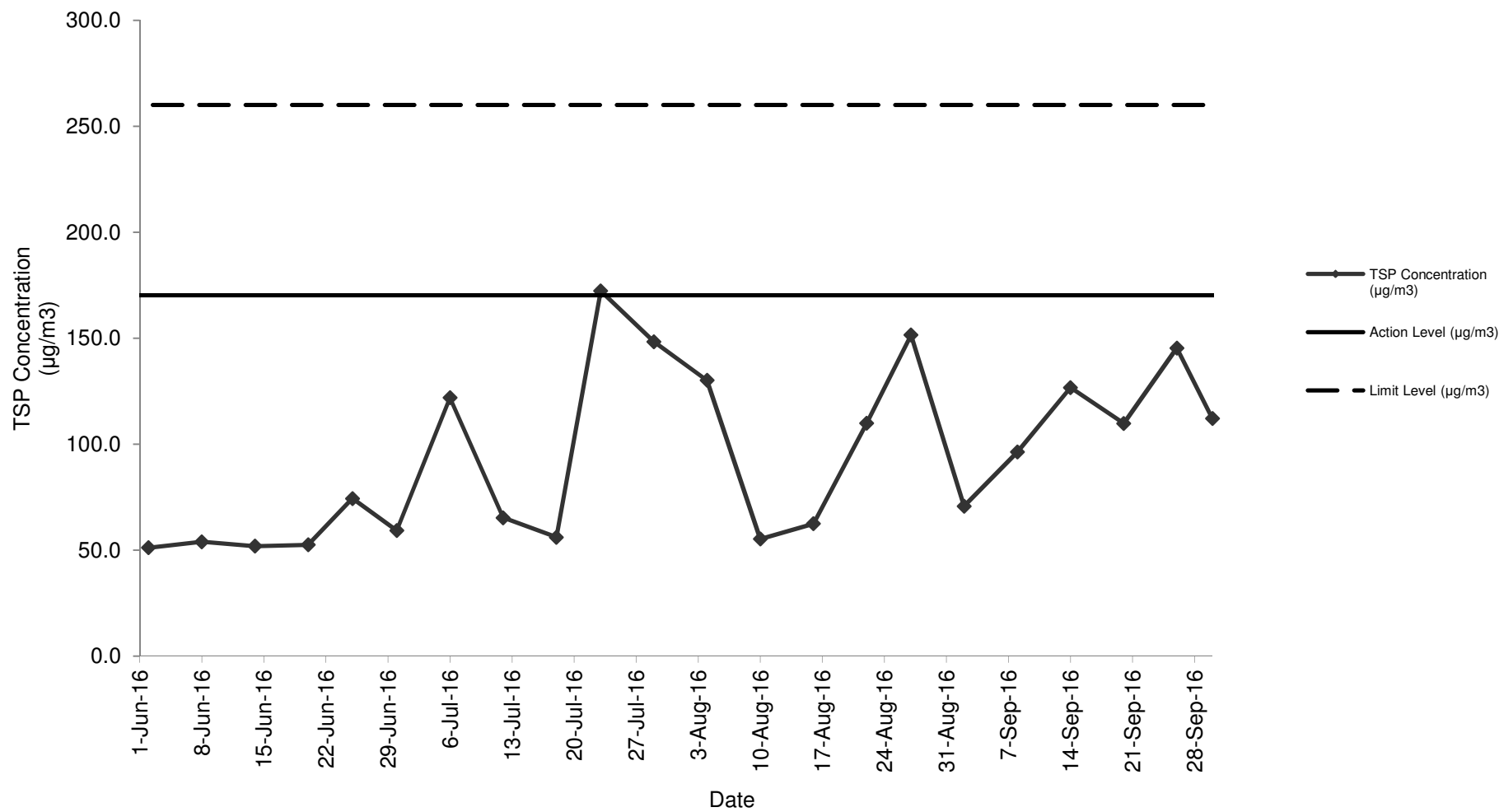
| Sampling Date | Weather Condition | Starting Time | Paper No. | Wt. of paper (g) | | | Elapse Time | | | Flow Rate (CFM) | | | Flow Rate (m ³ /min) | | | Total Volume (m ³) | TSP Concentration (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) | Wind speed m/s | Wind direction |
|---------------|-------------------|---------------|-----------|------------------|-----------|-------------|-------------|---------|---------------|-----------------|-------|---------------|---------------------------------|-------|---------------|--------------------------------|--|-----------------------------------|----------------------------------|----------------|----------------|
| | | | | Initial Wt. | Final Wt. | Wt. of Dust | Initial | Final | Sampling Hour | Initial | Final | Avg Flow Rate | Initial | Final | Avg Flow Rate | | | | | | |
| 2-Sep-16 | Cloudy | 12:11 | 228 | 2.8419 | 2.9891 | 0.1472 | 5251.67 | 5275.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 70.8 | 170.3 | 260.0 | <5 | N |
| 8-Sep-16 | Rainy | 12:12 | 230 | 2.8694 | 3.0697 | 0.2003 | 5278.67 | 5302.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 96.3 | 170.3 | 260.0 | <5 | N |
| 14-Sep-16 | Sunny | 12:12 | 232 | 2.8445 | 3.1080 | 0.2635 | 5305.67 | 5329.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 126.7 | 170.3 | 260.0 | <5 | N |
| 20-Sep-16 | Rainy | 12:13 | 234 | 2.8320 | 3.0604 | 0.2284 | 5332.67 | 5356.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 109.8 | 170.3 | 260.0 | <5 | N |
| 26-Sep-16 | Fine | 12:11 | 236 | 2.8447 | 3.1470 | 0.3023 | 5359.67 | 5383.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 145.4 | 170.3 | 260.0 | <5 | N |
| 30-Sep-16 | Fine | 12:11 | 238 | 2.8243 | 3.0574 | 0.2331 | 5386.67 | 5410.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 112.1 | 170.3 | 260.0 | <5 | N |
| | | | | | | | | | | | | | | | | Average | 110.2 | | | | |
| | | | | | | | | | | | | | | | | Min | 70.8 | | | | |
| | | | | | | | | | | | | | | | | Max | 145.4 | | | | |

Note: No major dust source observed during the monitoring period

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (June 2016 - September 2016)



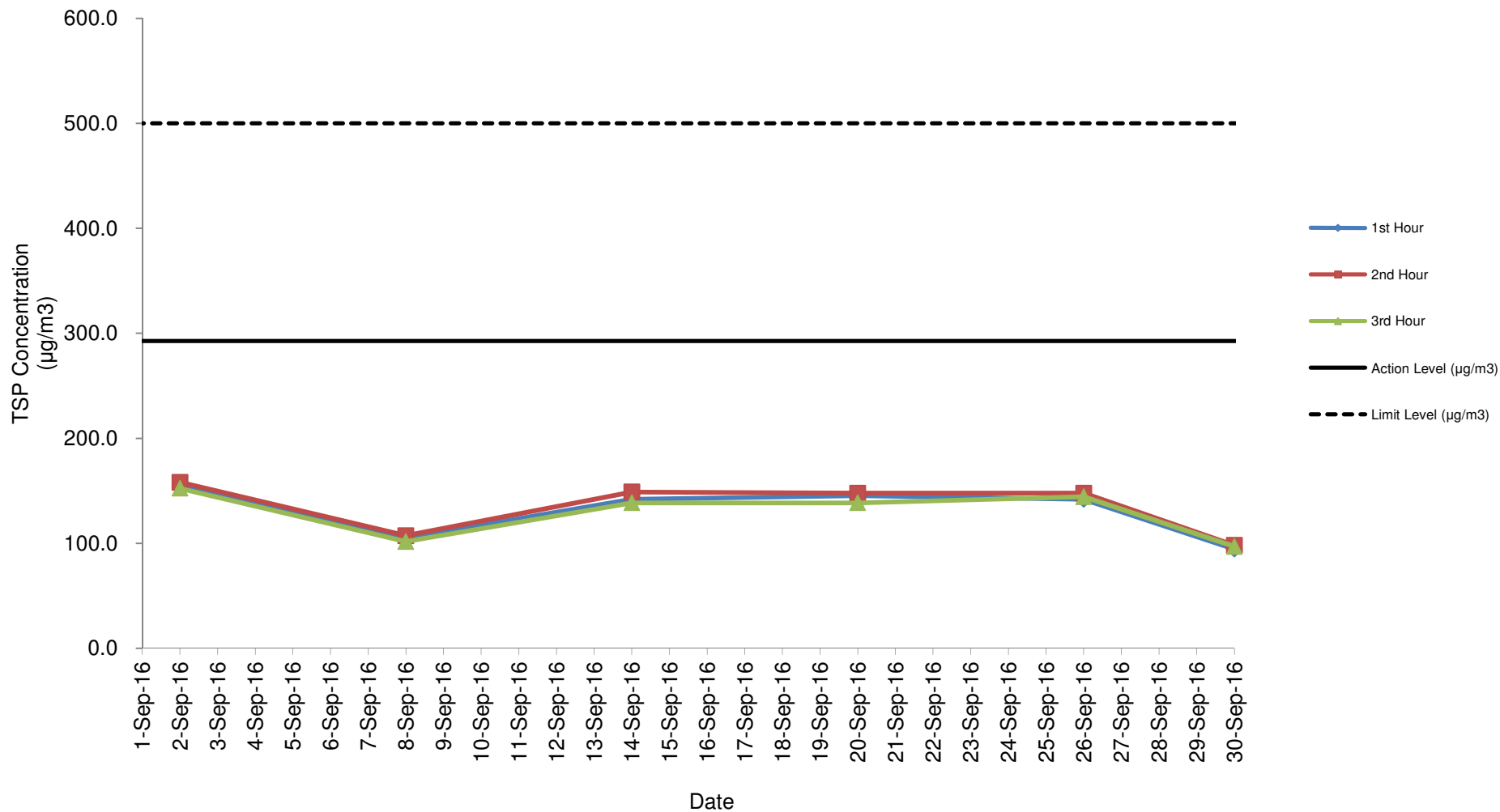
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

| Sampling Date | Weather Condition | Starting Time | Paper No. | Wt. of paper (g) | | | Elapse Time | | | Flow Rate (CFM) | | | Flow Rate (m ³ /min) | | | Total Volume (m ³) | TSP Concentration (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) | Wind speed m/s | Wind direction |
|----------------|-------------------|---------------|-----------|------------------|-----------|-------------|-------------|---------|---------------|-----------------|-------|---------------|---------------------------------|-------|---------------|--------------------------------|--|-----------------------------------|----------------------------------|----------------|----------------|
| | | | | Initial Wt. | Final Wt. | Wt. of Dust | Initial | Final | Sampling Hour | Initial | Final | Avg Flow Rate | Initial | Final | Avg Flow Rate | | | | | | |
| 2-Sep-16 | Rainy | 09:00 | 229A | 2.8894 | 2.9028 | 0.0134 | 5248.67 | 5249.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 154.6 | 292.7 | 500.0 | <5 | N |
| | Rainy | 10:03 | 229B | 2.8251 | 2.8388 | 0.0137 | 5249.67 | 5250.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 158.1 | 292.7 | 500.0 | <5 | N |
| | Rainy | 11:07 | 229C | 2.8499 | 2.8631 | 0.0132 | 5250.67 | 5251.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 152.3 | 292.7 | 500.0 | <5 | N |
| 8-Sep-16 | Cloudy | 09:00 | 231A | 2.8674 | 2.8765 | 0.0091 | 5275.67 | 5276.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 105.0 | 292.7 | 500.0 | <5 | N |
| | Cloudy | 10:04 | 231B | 2.8522 | 2.8615 | 0.0093 | 5276.67 | 5277.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 107.3 | 292.7 | 500.0 | <5 | N |
| | Cloudy | 11:08 | 231C | 2.8717 | 2.8805 | 0.0088 | 5277.67 | 5278.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 101.6 | 292.7 | 500.0 | <5 | N |
| 14-Sep-16 | Sunny | 09:00 | 233A | 2.9002 | 2.9125 | 0.0123 | 5302.67 | 5303.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 142.0 | 292.7 | 500.0 | <5 | N |
| | Sunny | 10:03 | 233B | 2.8860 | 2.8989 | 0.0129 | 5303.67 | 5304.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 148.9 | 292.7 | 500.0 | <5 | N |
| | Sunny | 11:08 | 233C | 2.8690 | 2.8810 | 0.0120 | 5304.67 | 5305.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 138.5 | 292.7 | 500.0 | <5 | N |
| 20-Sep-16 | Fine | 09:00 | 235A | 2.8516 | 2.8642 | 0.0126 | 5329.67 | 5330.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 145.4 | 292.7 | 500.0 | <5 | N |
| | Fine | 10:05 | 235B | 2.8491 | 2.8619 | 0.0128 | 5330.67 | 5331.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 147.7 | 292.7 | 500.0 | <5 | N |
| | Fine | 11:09 | 235C | 2.8446 | 2.8566 | 0.0120 | 5331.67 | 5332.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 138.5 | 292.7 | 500.0 | <5 | N |
| 26-Sep-16 | Fine | 09:00 | 237A | 2.8621 | 2.8744 | 0.0123 | 5356.67 | 5357.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 142.0 | 292.7 | 500.0 | <5 | N |
| | Fine | 10:03 | 237B | 2.8412 | 2.8540 | 0.0128 | 5357.67 | 5358.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 147.7 | 292.7 | 500.0 | <5 | N |
| | Fine | 11:08 | 237C | 2.8361 | 2.8486 | 0.0125 | 5358.67 | 5359.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 144.3 | 292.7 | 500.0 | <5 | N |
| 30-Sep-16 | Fine | 09:00 | 237A | 2.8476 | 2.8558 | 0.0082 | 5383.67 | 5384.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 94.6 | 292.7 | 500.0 | <5 | N |
| | Fine | 10:04 | 237B | 2.8251 | 2.8336 | 0.0085 | 5384.67 | 5385.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 98.1 | 292.7 | 500.0 | <5 | N |
| | Fine | 11:08 | 237C | 2.8315 | 2.8399 | 0.0084 | 5385.67 | 5386.67 | 1.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 86.65 | 96.9 | 292.7 | 500.0 | <5 | N |
| Average | | | | | | | | | | | | | | | | 131.3 | | | | | |
| Min | | | | | | | | | | | | | | | | 94.6 | | | | | |
| Max | | | | | | | | | | | | | | | | 158.1 | | | | | |

Note: No major dust source observed during the monitoring period
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

1-Hour TSP Monitoring Result at station: SR77



1-Hour TSP Monitoring Result at station: SR77 (June 2016 - September 2016)

