

# **Appendix E Environmental Monitoring Data for Air, Noise and Water Quality**

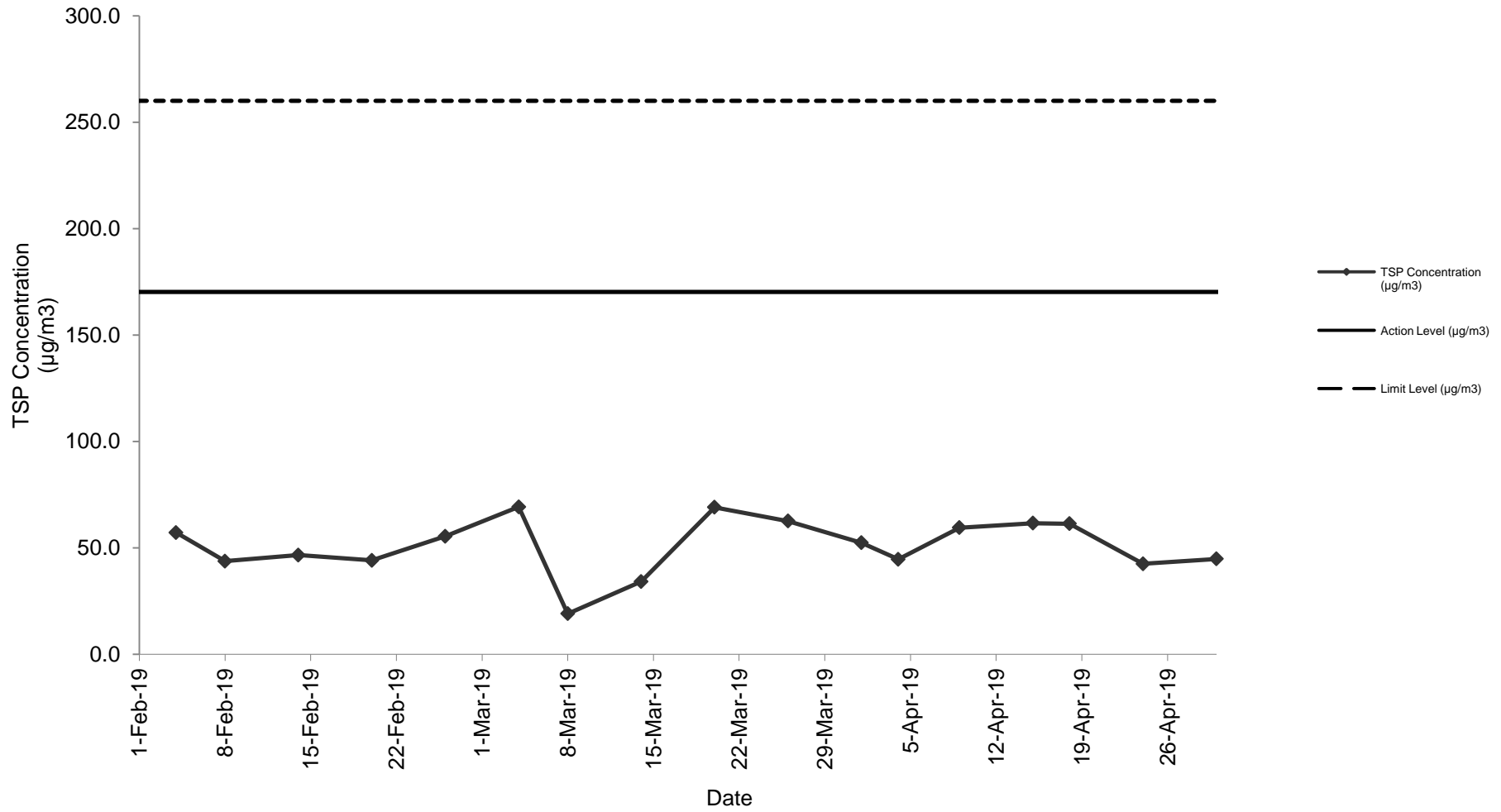
Appendix E  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	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						
4-Feb-19	Fine	C226	2.6682	2.7872	0.1190	9576.67	9600.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	57.2	170.3	260.0	<5	N
8-Feb-19	Fine	C228	2.6745	2.7655	0.0910	9603.67	9627.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	43.8	170.3	260.0	<5	N
14-Feb-19	Sunny	C230	2.6557	2.7527	0.0970	9630.67	9654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	46.6	170.3	260.0	<5	N
20-Feb-19	Cloudy	C232	2.6628	2.7546	0.0918	9657.67	9681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	44.1	170.3	260.0	<5	N
26-Feb-19	Cloudy	C234	2.6655	2.7809	0.1154	9684.67	9708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.5	170.3	260.0	<5	N
4-Mar-19	Cloudy	C236	2.6007	2.7448	0.1441	9711.67	9735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	69.3	170.3	260.0	<5	N
8-Mar-19	Rainy	C238	2.6697	2.7094	0.0397	9738.67	9762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	19.1	170.3	260.0	<5	N
14-Mar-19	Cloudy	C240	2.6598	2.7309	0.0711	9765.67	9789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	34.2	170.3	260.0	<5	N
20-Mar-19	Cloudy	C242	2.6488	2.7924	0.1436	9792.67	9816.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	69.1	170.3	260.0	<5	N
26-Mar-19	Cloudy	C244	2.6508	2.7809	0.1301	9819.67	9843.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	62.6	170.3	260.0	<5	N
1-Apr-19	Fine	C246	2.6593	2.7683	0.1090	9846.67	9870.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	52.4	170.3	260.0	<5	N
4-Apr-19	Fine	C248	2.6746	2.7674	0.0928	9873.67	9897.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	44.6	170.3	260.0	<5	N
9-Apr-19	Fine	C250	2.6618	2.7855	0.1237	9900.67	9924.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	59.5	170.3	260.0	<5	N
15-Apr-19	Fine	C252	2.6622	2.7904	0.1282	9927.67	9951.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.6	170.3	260.0	<5	N
18-Apr-19	Cloudy	C254	2.6641	2.7917	0.1276	9954.67	9978.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.4	170.3	260.0	<5	N
24-Apr-19	Fine	C256	2.6636	2.7521	0.0885	9981.67	10005.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	42.6	170.3	260.0	<5	N
30-Apr-19	Cloudy	C258	2.6675	2.7607	0.0932	8.67	32.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	44.8	170.3	260.0	<5	N

Summary For the Reporting Quarter (Feb 2019 - Apr 2019)	
Average	51.1
Minimum	19.1
Maximun	69.3

### 24-Hour TSP Monitoring Result at Station: SR77 (February 2019 - April 2019)



**Appendix E**

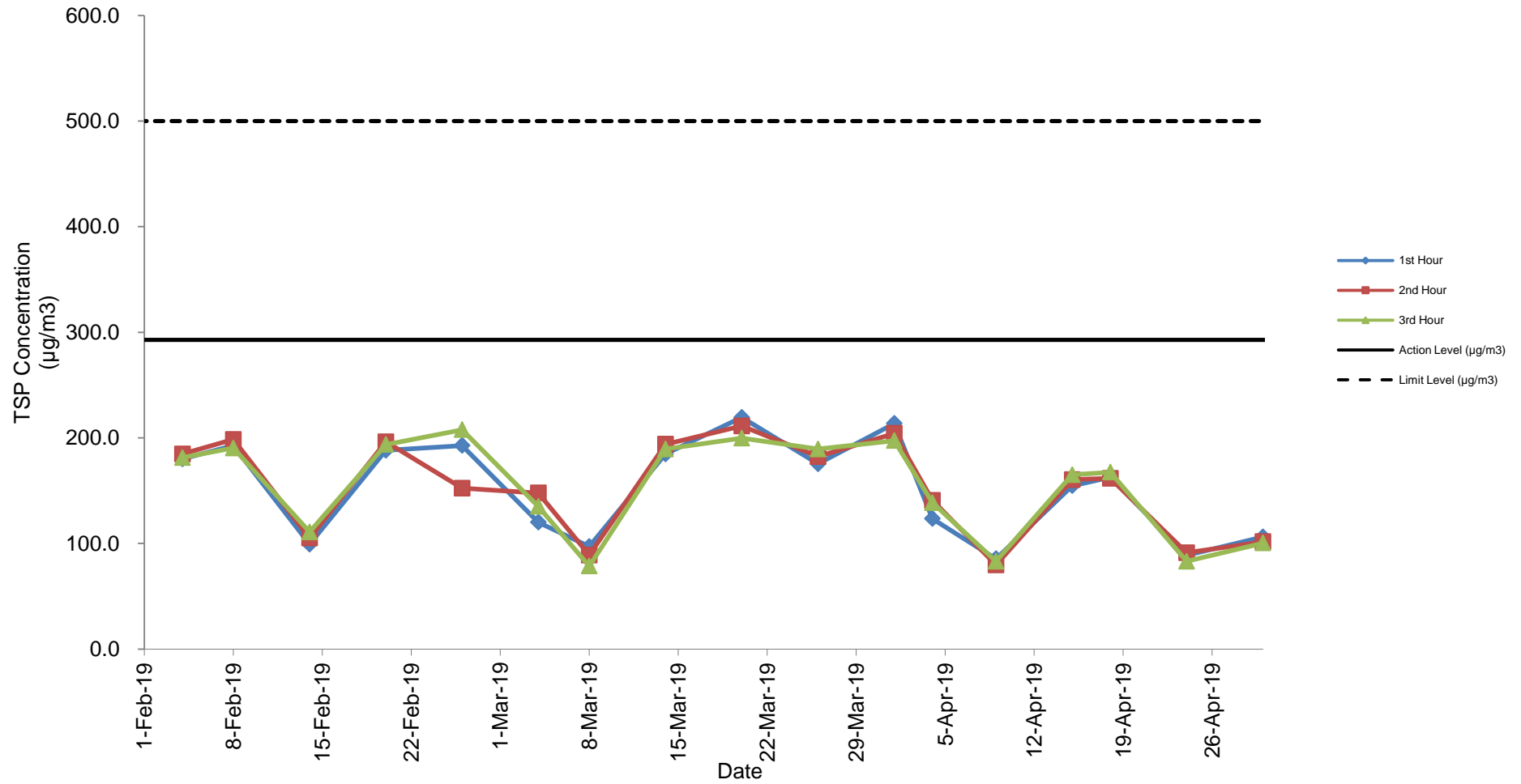
**Air Quality Monitoring Results and their Graphical Presentation**

**1-Hour TSP Monitoring Result at Station: SR77**

Date	Weather Condition	Time			Conc.(µg/m <sup>3</sup> )			Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )
					1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
4-Feb-19	Fine	9:00	-	12:08	180.0	184.7	181.2	292.7	500.0
8-Feb-19	Fine	9:00	-	12:09	192.7	198.5	190.4	292.7	500.0
14-Feb-19	Sunny	9:00	-	12:04	99.3	105.2	110.8	292.7	500.0
20-Feb-19	Cloudy	9:00	-	12:07	188.1	196.2	193.7	292.7	500.0
26-Feb-19	Cloudy	9:00	-	12:04	192.7	152.3	207.7	292.7	500.0
4-Mar-19	Cloudy	9:00	-	12:08	120.0	147.7	135.0	292.7	500.0
8-Mar-19	Rainy	9:00	-	12:08	97.0	88.9	78.5	292.7	500.0
14-Mar-19	Cloudy	9:00	-	12:08	184.7	193.9	189.3	292.7	500.0
20-Mar-19	Cloudy	9:00	-	12:08	219.3	211.2	199.7	292.7	500.0
26-Mar-19	Cloudy	9:00	-	12:08	175.4	182.3	189.3	292.7	500.0
1-Apr-19	Fine	9:00	-	12:08	213.5	204.3	197.3	292.7	500.0
4-Apr-19	Fine	9:00	-	12:09	123.5	140.8	138.5	292.7	500.0
9-Apr-19	Fine	9:00	-	12:08	85.4	79.6	83.1	292.7	500.0
15-Apr-19	Fine	9:00	-	12:07	154.6	160.4	165.0	292.7	500.0
18-Apr-19	Cloudy	9:00	-	12:09	162.7	161.6	167.3	292.7	500.0
24-Apr-19	Fine	9:00	-	12:08	88.9	91.2	83.1	292.7	500.0
30-Apr-19	Cloudy	9:00	-	12:09	106.2	101.6	100.4	292.7	500.0

Summary For the Reporting Quarter (Feb 2019 - Apr 2019)	
Average	152.8
Minimum	78.5
Maximum	219.3

### 1-Hour TSP Monitoring Result at station: SR77 (February 2019 - April 2019)



Noise Monitoring Result at SR77

Date	Weather Condition	Start Time	End Time	Measured Noise Level (dB(A))*			Baseline Corrected Level, dB(A)**	Baseline Noise Level (dB(A)), Leq(30min)	Limit Level dB(A)	Exceedance (Y / N)
				L10(30min)	L90(30min)	Leq(30min)				
2019-02-04	Fine	11:15	11:45	93.5	62.5	68.0	-	67.8	75.0	N
2019-02-14	Sunny	11:15	11:45	90.5	61.0	65.5	-	67.8	75.0	N
2019-02-20	Cloudy	11:15	11:45	86.5	61.5	66.5	-	67.8	75.0	N
2019-02-26	Cloudy	11:30	12:00	92.5	61.5	63.5	-	67.8	75.0	N
2019-03-04	Cloudy	11:15	11:45	105.0	61.0	67.0	-	67.8	75.0	N
2019-03-14	Cloudy	11:30	12:00	94.0	62.5	67.0	-	67.8	75.0	N
2019-03-20	Cloudy	11:15	12:00	91.0	64.5	65.5	-	67.8	75.0	N
2019-03-26	Cloudy	11:30	12:00	98.5	61.5	67.5	-	67.8	75.0	N
2019-04-01	Fine	11:15	11:45	91.0	60.5	66.5	-	67.8	75.0	N
2019-04-09	Fine	11:15	11:45	104.0	61.5	68	-	67.8	75.0	N
2019-04-15	Fine	11:15	11:45	92.5	62.5	64	-	67.8	75.0	N
2019-04-24	Fine	11:15	11:45	89.0	61.5	67	-	67.8	75.0	N
2019-04-30	Cloudy	11:30	12:00	92.0	63.5	65.5	-	67.8	75.0	N

Summary For the Reporting Quarter (Feb 2019 - Apr 2019)	
Average	66.3
Minimum	63.5
Maximum	68.0

**Noise monitoring result: SR77  
(February 2019 - April 2019)**

