

# **Appendix E**

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

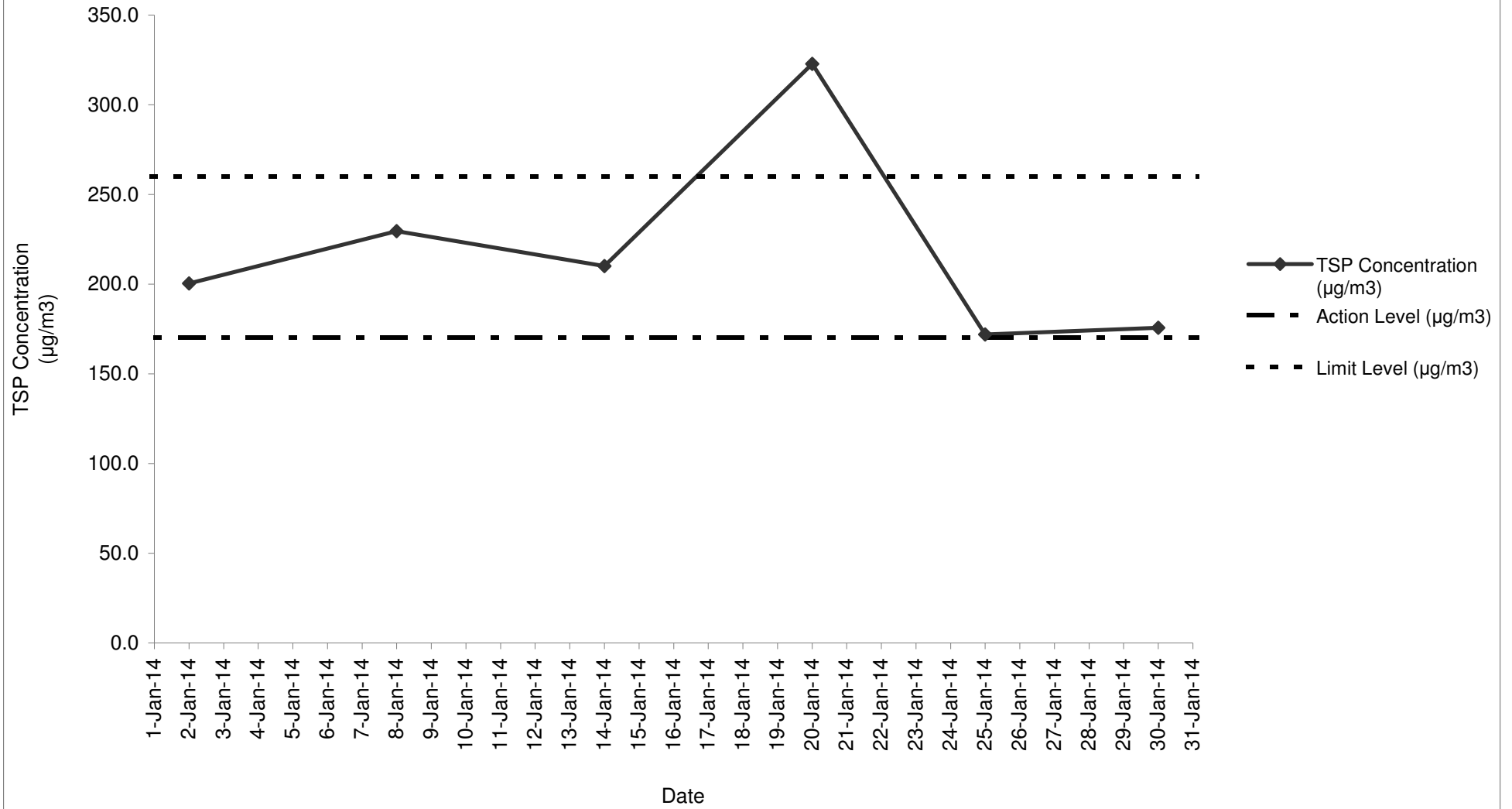
Appendix E  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at station: SR77

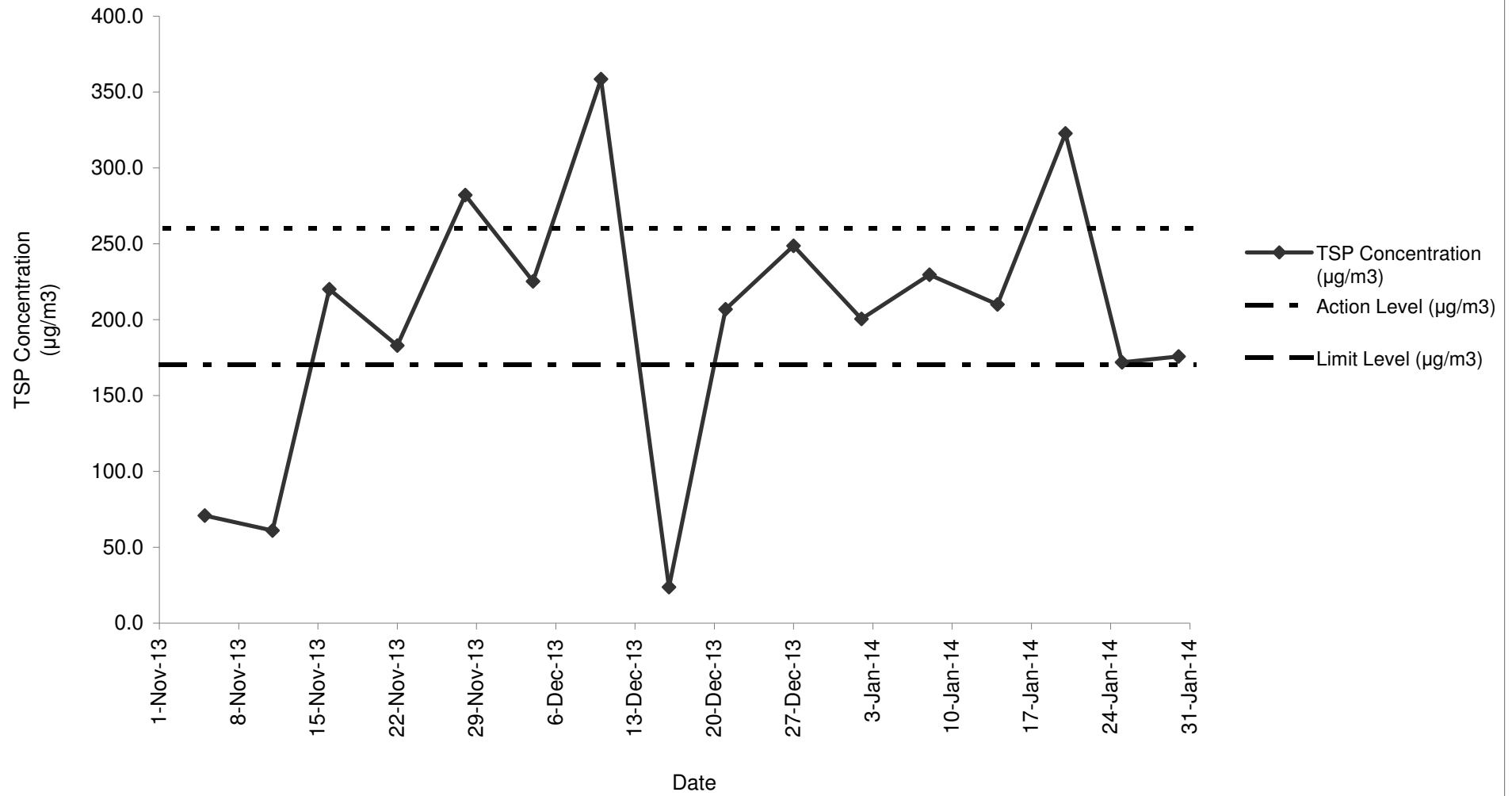
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
2-Jan-14	Sunny	205834	2.6667	3.0836	0.4169	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>200.5</b>	170.3	260.0	<5	N
8-Jan-14	Fine	205904	2.8976	3.3749	0.4773	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>229.5</b>	170.3	260.0	<5	N
14-Jan-14	Fine	205835	2.7456	3.1824	0.4368	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>210.0</b>	170.3	260.0	<5	N
20-Jan-14	Fine	205836	2.7541	3.4253	0.6712	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>322.8</b>	170.3	260.0	<5	N
25-Jan-14	Sunny	205837	2.7496	3.1072	0.3576	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>172.0</b>	170.3	260.0	<5	N
30-Jan-14	Fine	205838	2.7561	3.1216	0.3655	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	<b>175.8</b>	170.3	260.0	<5	N
																<b>Average</b>	218.4			
																<b>Min</b>	172.0			
																<b>Max</b>	322.8			

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

### 24-Hour TSP Monitoring Result at Station: SR77



### 24-Hour TSP Monitoring Result at Station: SR77 (November 2013 - January 2014)



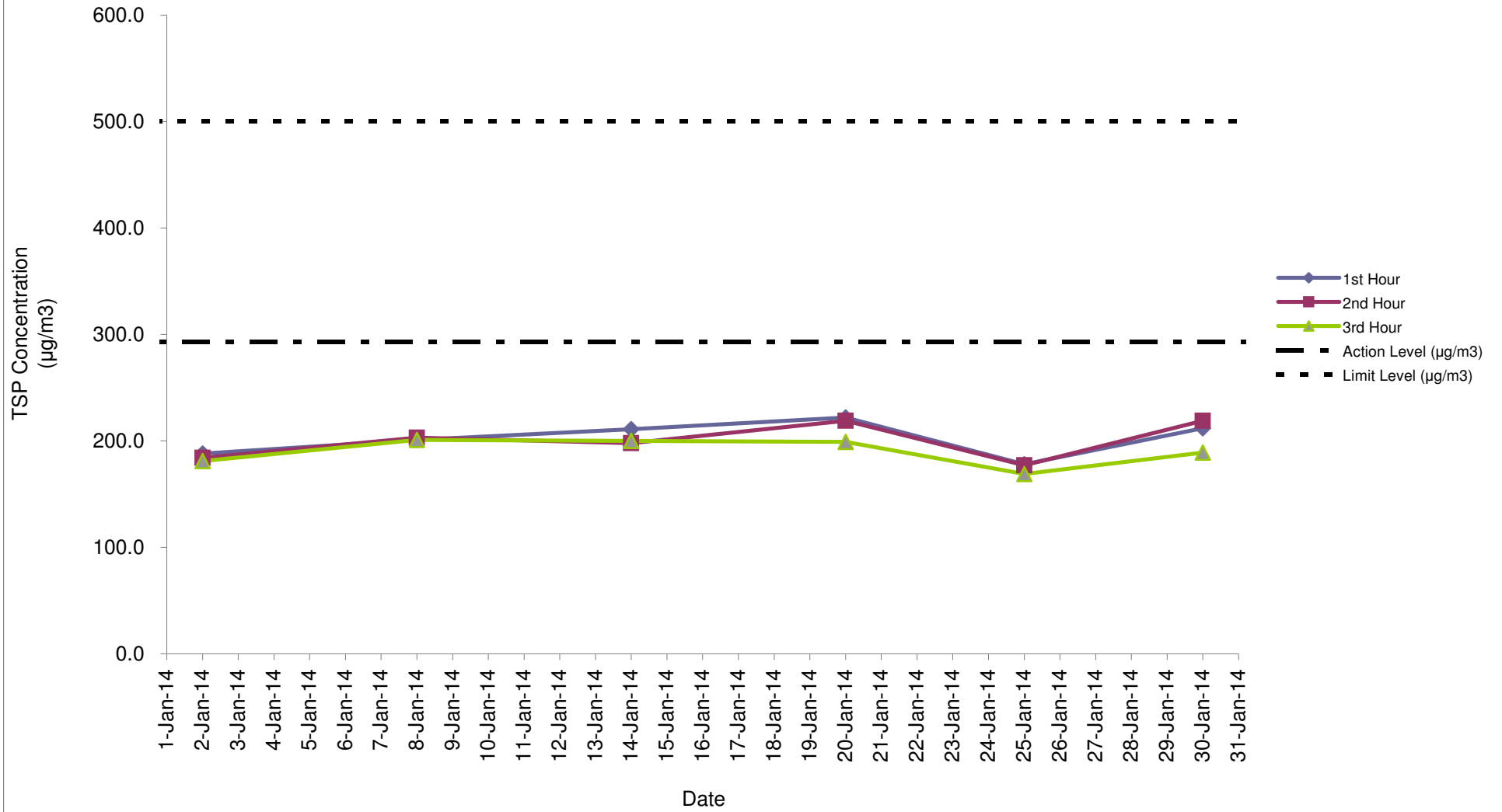
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**1-Hour TSP Monitoring Result at station: SR77**

Date	Weather Condition	Time	Conc.( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
2-Jan-14	Sunny	9:30 - 12:34	188.0	184.0	181.0	292.7	500.0
8-Jan-14	Fine	9:30 - 12:34	201.0	203.0	201.0	292.7	500.0
14-Jan-14	Fine	13:00 - 16:04	211.0	198.0	200.0	292.7	500.0
20-Jan-14	Fine	13:00 - 16:04	222.0	219.0	199.0	292.7	500.0
25-Jan-14	Sunny	9:00 - 12:04	178.0	177.0	169.0	292.7	500.0
30-Jan-14	Fine	14:00 - 17:04	212.0	219.0	189.0	292.7	500.0
					<b>Average</b>	197.3	
					<b>Min</b>	169.0	
					<b>Max</b>	222.0	

Note: No major dust source observed during the monitoring period

### 1-Hour TSP Monitoring Result at station: SR77



### 1-Hour TSP Monitoring Result at station: SR77 (November 2013 - January 2014)

