

Appendix A12.3

Local Authority Monitoring and Measurement Data

A12.3.1 The City of London Corporation monitors PM₁₀ (at three automatic monitoring stations) and PM_{2.5} (at one station) within the borough. Only one of these stations is located within the air quality study area (CT8), which is shown in Figure 12.1 (ES Figures Volume).

A12.3.2 Results for the years 2008 to 2012 are presented in Tables A12.9 and A12.10. Text in bold denotes concentration values that are above of their respective objective value.

Table A12.9: Annual mean PM₁₀ Concentrations and the Number of Exceedances of the 24 hour PM₁₀ Objective Monitored by City of London Corporation Automatic Monitoring Stations

Monitoring station	OS Grid ref	Distance to kerb (m)	Site type	Objective	Annual mean PM ₁₀ concentration (µg/m ³)					
					2008	2009	2010	2011	2012	2013
CT3-John Cass School (BAM)	533475, 181179	N/A	Urban B'ground	Annual Mean	26	27	26	28	26	22
				24 Hour Mean	15	11	10	22	13	8
CT4-Beech Street (TEOM)	532141, 181861	1m	Road-side	Annual Mean	26	28	30	29	28	32
				24 Hour Mean	20	23	26	35	43	37
CT8-Upper Thames Street (TEOM)	532834, 180691	2m	Road-side	Annual Mean	34	36	37	37	39	42
				24 Hour Mean	37	44	57	53	57	75

Table A12.10: Annual Mean PM_{2.5} Concentrations Monitored by City of London Corporation Automatic Monitoring Station

Monitoring station	OS Grid reference	Distance to kerb (m)	Site type	Annual mean PM _{2.5} concentration (µg/m ³)					
				2008	2009	2010	2011	2012	2013
CT2-Farringdon Street (BAM)	531625, 181201	1m	Kerbside	No data	No data	No data	24	25	27

A12.3.3 The City of London Corporation monitors NO₂ at six automatic monitoring stations, as well as undertaking measurements using diffusion tubes at five locations within the borough. Of these sites, only one is located within the air quality study area (Walbrook Wharf (CT6)), the location of which is shown in Figure 12.1 (ES Figures Volume).

A12.3.4 Results for the years 2008 to 2013 are presented in Tables A12.11 and A12.12.

Table A12.11: Annual Mean NO₂ Concentrations and the Number of Exceedances of the 1 hour NO₂ Objective Monitored by City of London Corporation Automatic Monitoring Stations

Monitoring station	OS Grid reference	Distance to kerb (m)	Site type	Objective	Annual mean NO ₂ concentration (µg/m ³)					
					2008	2009	2010	2011	2012	2013
CT1-Senator House	532234, 180894	N/A	Urban B'ground	Annual Mean	49	48	51	52	52	59
				Hourly Mean	0	0	2	0	2	0
CT3-John Cass School	533475, 181179	N/A	Urban B'ground	Annual Mean	58	56	55	48	46	47
				Hourly Mean	0	2	3	0	0	0
CT4-Beech Street	532176, 181862	1m	Roadside	Annual Mean	85	90	81	67	79	85
				Hourly Mean	106	198	139	42	176	234
CT6a-Walbrook Wharf Foyer	532528, 180784	1m	Roadside	Annual Mean	126	131	117	101	114	123
				Hourly Mean	810	955	646	231	450	799
CT6b-Walbrook Wharf Roof	532528, 180784	N/A	Urban B'ground	Annual Mean	93	91	93	95	92	No data
				Hourly Mean	13	3	40	118	63	No data

Table A12.12: Annual mean NO₂ concentrations measured by City of London Corporation Diffusion Tubes

Diffusion tube	OS Grid reference	Distance to kerb (m)	Site type	Annual mean NO ₂ concentration (µg/m ³)				
				2008	2009	2010	2011	2012
CL5-St. Bartholomew's Hospital Courtyard	531901, 181571	N/A	Urban Centre	43	43	42	45	43
CL38-St. Andrew's Church, Queen Victoria Street	531851, 180962	2m	Roadside	74	67	61	63	58
CL39-St. Dunstan's Church, Fleet Street	531235, 181155	2m	Roadside	82	102	87	98	93
CL40-Guinness Trust Estate, Mansell Street	533791, 181027	3m	Roadside	62	67	55	65	60
CL55-Speed House, Barbican Centre	532482, 181799	N/A	Urban Background	41	43	37	38	37

