

M20 Junction 10a

TR010006

Appendix 5.2 Scheme Diffusion Tube Monitoring

APFP Regulation 5(2)(q)

Revision A

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)

Regulations 2009



Volume 6.3
July 2016

M20 Junction 10a

TR010006

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Volume 6.3

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1. Scheme Diffusion Tube Monitoring

1.1 Overview

1.1.1 This Appendix provides key information about the scheme NO₂ diffusion tube monitoring survey which began in September 2013 and ended in August 2014. This assessment took account of the results from January 2014 to August 2014 (8 months of data), which is representative of the base SATURN model of this assessment. The eight months of data were annualised as discussed below.

1.2 Monitoring Locations

1.2.1 Figure 5.6, Volume 6.2 shows the location of the Scheme monitoring sites.

1.3 Monitoring Results

1.3.1 The national bias adjustment factor (2014) V03_15 of 0.83 was applied to the average of the 8 months of raw diffusion tube data from 2014.

1.3.2 The 8 months of monitoring data were converted to an equivalent annual mean following the procedure outlined in Local Air Quality Management Technical Guidance (LAQM.TG(16)). Continuous monitoring data used to generate the annualisation factor has been presented in Table 1.1.

1.3.3 Bias adjusted and annualised results are presented in Section 5.6 of Chapter 5 Air Quality, Volume 6.1.

Table 1.1 Calculation of Annualisation Factor

Long Term Continuous Monitoring Site	Annual Mean (Am) 2014	Period Mean (Pm) 2014	Ratio (Am/Pm)
Canterbury	12.2	11.0	1.117
Rochester Stoke	14.4	12.9	1.116
Southend-on-Sea	19.4	17.9	1.084
Eastbourne	12.1	11.2	1.085
		Average (R _a)	1.100

Note: Continuous monitors are all background sites and are part of the AURN