Air Quality Monitoring Report, item 5 (b)

Saffron Walden Town Centre Working Group

17 July 2009

Air Quality Monitoring Saffron Walden 2008

Nitrogen Dioxide Diffusion Tube Sites

Site ID	Location	Within AQMA?	Data Capture 2008 %	Annual Mean Concentrations (µg/m^3) Adjusted for Bias		
				2006 (Bias Factor: 1.01)	2007 (Bias Factor: 0.93)	2008 (Bias Factor: 1.08)
UT1	PO High Street	Y	75	38.7	37.1	**42.9**
UT3	Gibson Gardens	N	62	16.6	16.0	17.9
UT4	YHA	Y	100	**40.9**	36.2	**45.2**
UT5	Thaxted Road	Y	100	**42.3**	**42.9**	**53.4**
UT11	33 High Street	Y	100	33.8	34.6	37.1
UT12	Town Hall	N	100	27.1	27.6	25.0
UT13/14/18	Fire Station 1 (Co-located)	N	100	-	-	27.8
UT19	Debden Road	N	92	-	-	**47.7**

Real Time Monitoring, Nitrogen Dioxide, Fire Station, Hill Street, Saffron Walden

Location	Within AQMA?	Description	Annual Mean Concentrations (µg/m^3)	
			2007	2008
Saffron Walden	No	Annual Mean NO_2 > 40 µgm^3	25.7	27.7
		NO_2 Hourly Mean > 200 µgm^3 for more than 18 times per year	1	2
		% Data Capture	85.1	96.2

Comment

Three new monitoring sites were established at the beginning of 2008, one at the junction of Debden Road with Audley Road, another at the Town Hall in Market Place and three tubes were installed at the existing real time monitoring site at the Fire Station so that a local bias adjustment factor could be calculated.

The Town Hall site measurements were well below the 40 µgm^3 exceedence limit and were comparable with the levels obtained at the Fire Station.

The Debden Road site was above the exceedence value and if the results for 2009 show a similar value it will be necessary to consider declaring another Air Quality Management Area around this mini roundabout or extending the boundaries of the existing AQMA centred on the High Street and George Street junction.

During the year the draft Action Plan to tackle the poor air quality at the three existing Air Quality Management Areas was produced for consultation and following that consultation a revised Action Plan has been drawn up and is before the Working Group for endorsement.