2011 Air Quality Progress Report for Telford & Wrekin Council

In fulfillment of Part IV of the Environment Act 1995
Local Air Quality Management

Date (2nd October 2012)

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Executive Summary

This Progress Report updates all monitoring data since the last Updating and Screening Assessment (undertaken in 2009) and screens for various potential sources of pollution within the Borough's administrative area in accordance with the Local Air Quality Management Technical Guidance 2009 (LAQM.TG(09)). Telford & Wrekin Council currently has no Air Quality Management Areas within their authority.

The Update and Screening Assessment completed in September 2009 concluded the following;

- Assessment of Monitoring Data: Following the screening criteria in LAQM.TG(09), there were no exceedances of nitrogen dioxide within Telford.
- Assessment of Sources: Following the screening criteria in LAQM.TG(09), there were no sources (transport, other transport, industrial, commercial/domestic or fugitive) of concern within Telford.
- There is no requirement to proceed to a Detailed Assessment.

Since submission of the Updating and Screening Assessment, air quality monitoring has continued at the same locations, and results support the same conclusions.

Telford and Wrekin Council took the decision to discontinue routine NO_2 diffusion tube monitoring from 2011. Data from the previous ten years shows good compliance with air quality objectives with very little variation. DEFRA confirmed that they had no objection to this decision.

Monitoring data for the period covered by this report shows that Telford and Wrekin Council are not in breach of any of the air quality objectives for those substance monitored; in fact the air quality in Telford and Wrekin is significantly below the air quality objectives.

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1 Introduction

1.1 Description of Local Authority Area

The borough of Telford and Wrekin is a predominantly rural area on the north-eastern edge of Shropshire. The borough has a population of 164,600 (2007 census) covering 29,000 hectares with its major settlement being Telford, which incorporates the existing towns of Dawley, Madeley, Oakengates and Wellington. The market town of Newport is the boroughs second largest populated area.

The main sources of air pollution in Telford and Wrekin are emissions from busy roads. The M54 traverses the Borough across the main central urban area, and the majority of the main roads within the Borough are also focussed in this area, including the A41, the A518, the A5, A442, A4169, and the A4640.

There are a number of registered Part A processes 27 A1 and 10 A2 processes), 43 part B processes, 17 petrol stations, 6 dry cleaning installations and 3 small waste oil burners within Telford (see Appendix C). There is a main railway line traversing the centre of the Borough, as well as a rail freight terminal. A branch line to this supplies the Ironbridge Power Station. The Power Station is also a source of emissions, although it is situated outside the Borough.

1.2 Purpose of Progress Report

Progress Reports are required in the intervening years between the three-yearly Updating and Screening Assessment reports. Their purpose is to maintain continuity in the Local Air Quality Management process.

They are not intended to be as detailed as Updating and Screening Assessment Reports, or to require as much effort. However, if the Progress Report identifies the risk of exceedance of an Air Quality Objective, the Local Authority (LA) should undertake a Detailed Assessment immediately, and not wait until the next round of Review and Assessment.

1.3 Air Quality Objectives

The air quality objectives applicable to Local Air Quality Management (LAQM) **in England** are set out in the Air Quality (England) Regulations 2000 (SI 928), and the Air Quality (England) (Amendment) Regulations 2002 (SI 3043). They are shown in Table 1.1. This table shows the objectives in units of microgram's per cubic metre $\mu g/m^3$ (for carbon monoxide the units used are milligram's per cubic metre, mg/m^3). Table 1.1. includes the number of permitted exceedances in any given year (where applicable).

Figure 1.1 Map of Telford & Wrekin Council

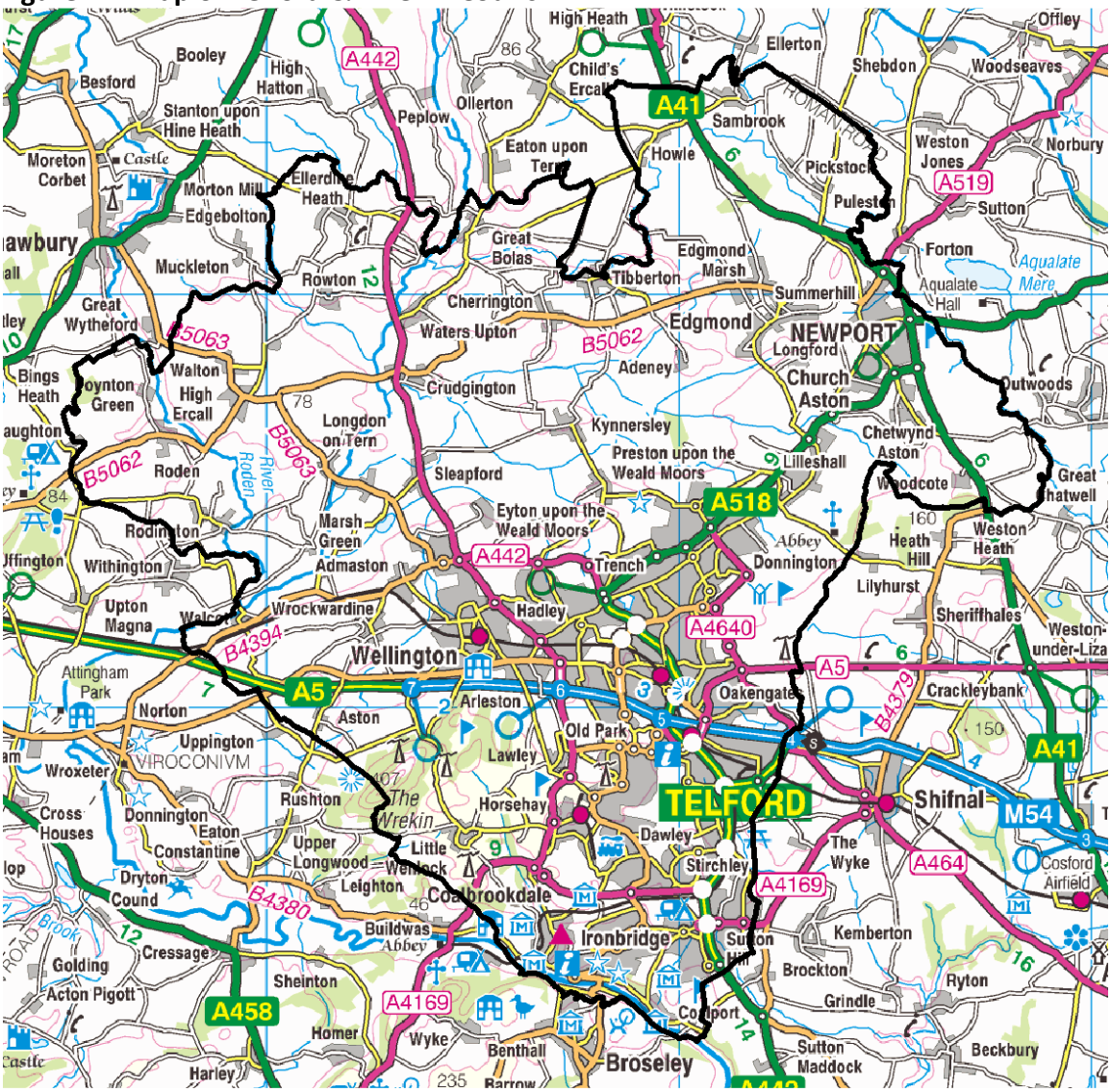


Table 1.1 Air Quality Objectives included in Regulations for the purpose of Local Air Quality Management in England.

Pollutant	Concentration	Measured as	Date to be achieved by
Benzene	16.25 $\mu g/m^3$	Running annual mean	31.12.2003
	5.00 $\mu g/m^3$	Annual mean	31.12.2010
1,3-Butadiene	2.25 $\mu g/m^3$	Running annual mean	31.12.2003
Carbon monoxide	10.0 mg/m^3	Maximum daily running 8-hour mean	31.12.2003
Lead	0.5 $\mu g/m^3$	Annual mean	31.12.2004
	0.25 $\mu g/m^3$	Annual mean	31.12.2008
Nitrogen dioxide	200 $\mu g/m^3$ not to be exceeded more than 18 times a year	1-hour mean	31.12.2005
	40 $\mu g/m^3$	Annual mean	31.12.2005
Particles (PM_{10}) (gravimetric)	50 $\mu g/m^3$, not to be exceeded more than 35 times a year	24-hour mean	31.12.2004
	40 $\mu g/m^3$	Annual mean	31.12.2004
Sulphur dioxide	350 $\mu g/m^3$, not to be exceeded more than 24 times a year	1-hour mean	31.12.2004
	125 $\mu g/m^3$, not to be exceeded more than 3 times a year	24-hour mean	31.12.2004
	266 $\mu g/m^3$, not to be exceeded more than 35 times a year	15-minute mean	31.12.2005

1.4 Summary of Previous Review and Assessments

The table below outlines the work undertaken so far, the conclusions of the reports, and summaries of any further action.

Table 1.2 Summaries of reports

Year	Outcomes	Summaries
1998	PR	Prediction of exceedances
1999	PR	Prediction of exceedances
2000	USA	Not significantly affected by emissions (CO, Benzene, 1,3-Butadiene, Pb, SO_2, PM_{10}); any breaches will be negligible
2001	PR	Prediction of exceedances
2002	PR	Declaration of AQMA
2003	USA	Exceedances of SO_2 from Ironbridge Power Station, and of NO_2 from road traffic emissions in Ironbridge Gorge. Review of AQMAs determined there would be no exceedances by 2005.
2004	PR	Detailed assessment of NO_2 and SO_2 from Ironbridge Power Station and vehicular traffic. Objectives will be met in 2005 so no further work is necessary.
2005	PR	No exceedances of relevant air quality objectives, Revocation of AQMA
2006	USA	No exceedances of relevant air quality objectives
2007	PR	No exceedances of relevant air quality objectives
2008	PR	No exceedances of relevant air quality objectives
2009	USA	No exceedances of relevant air quality objectives

2 New Monitoring Data

2.1 Summary of Monitoring Undertaken

2.1.1 Automatic Monitoring Sites

There are currently three automatic monitoring stations within the Borough. Two of these are utilised by E.ON and monitor emissions from the Ironbridge Power Station to fulfil a condition on their environmental permit, issued via the Environment Agency. The information from these stations is shared with the Council. These stations monitor SO_2.

The third station is utilised by UK Coal in order to fulfil a condition on their environmental permit with regards to their open-cast colliery at Huntington Lane, issued by the Council. This station monitors PM_{10}, $PM_{2.5}$ and PM_1.

Figure 2.1 Map(s) of Automatic Monitoring Sites

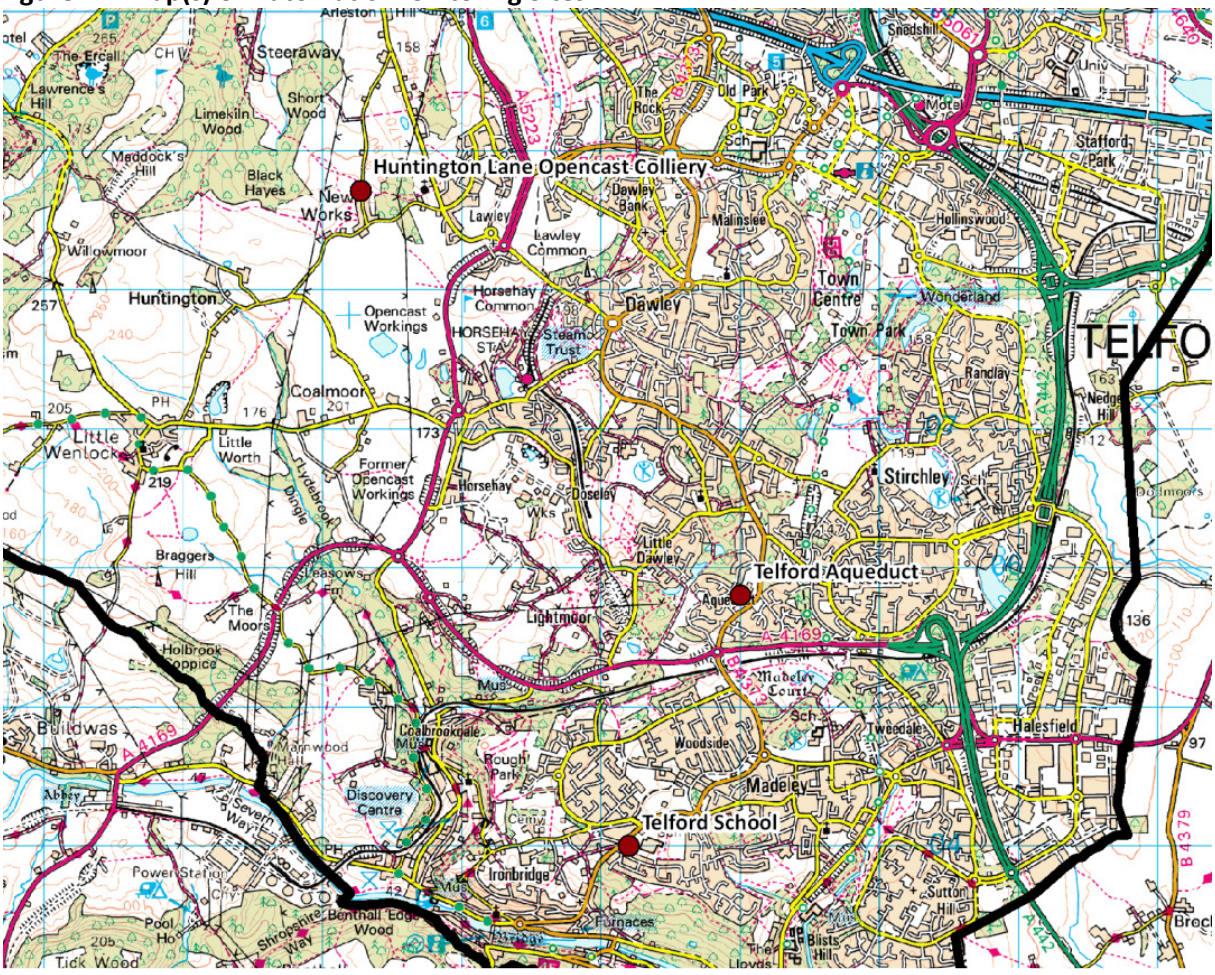


Table 2.1 Details of Automatic Monitoring Sites

Site Name	Site Type	OS Grid Ref		Pollutants Monitored	Monitoring Technique	In AQMA?	Relevant Exposure? (Y/N with distance (m) to relevant exposure)	Distance to kerb of nearest road (N/A if not applicable)	Does this location represent worst-case exposure?
Telford Aqueduct	Urban backgrd.	369000	305800	SO_2	Fluorescence	N	Y (25.2)	55.5	Y
Telford School	Urban backgrd.	368200	304000	SO_2	Fluorescence	N	Y (15)	130	Y
Huntington Lane Opencast Colliery, New Works Lane	Urban backgrd.	366270	308713	PM_{10}, $PM_{2.5}$, PM_1,	Turnkey Instruments TOPAS laser nephelometer	N	Y (6.2)	34.4	Y

2.1.2 Non-Automatic Monitoring Sites

Telford & Wrekin Council currently operates diffusion tubes for nitrogen dioxide at 12 locations within the authority. These include four triplicate tubes site located at various points across the Borough to enable the Council to have confidence in the precision of the results, as well as one blank tube that is analysed. The NO_2 diffusion tube results for 2010 are shown in Table 2.3 and Chart 2.1 below

See below for maps and tables showing the location of all diffusion tubes and monthly monitoring results for the previous years 2008 to 2010.

Nitrogen dioxide diffusion tubes used by Telford & Wrekin Council are supplied and analysed by Gradko Laboratories. The tubes are prepared using the 50% TEA in acetone method. Further details of the diffusion tube QA/QC, including bias adjustment factors, is available in Appendix A. Percentage data capture rates for each site for 2008 – 2010 are shown in Appendix A. No sites had less than 75% data capture, so there was no need for these results to be annualised using adjustment factors calculated from urban background monitors in the region using the method described in Box 3.2 in TG(09).

Telford and Wrekin Council has not compared the diffusion tubes with the reference in a co-location study due to the tube locations being disparate from the automatic stations. However, the national study was used to derive a bias adjustment factor.

Gradko Laboratories are listed on the WASP – Annual Performance Criteria for NO_2 Diffusion Tubes used in Local Air Quality Management (LAQM) Rounds 100-113, and has not scored lower than 87.5% (all other years being 100%)

Figure 2.2 Map of Non-Automatic Monitoring Sites

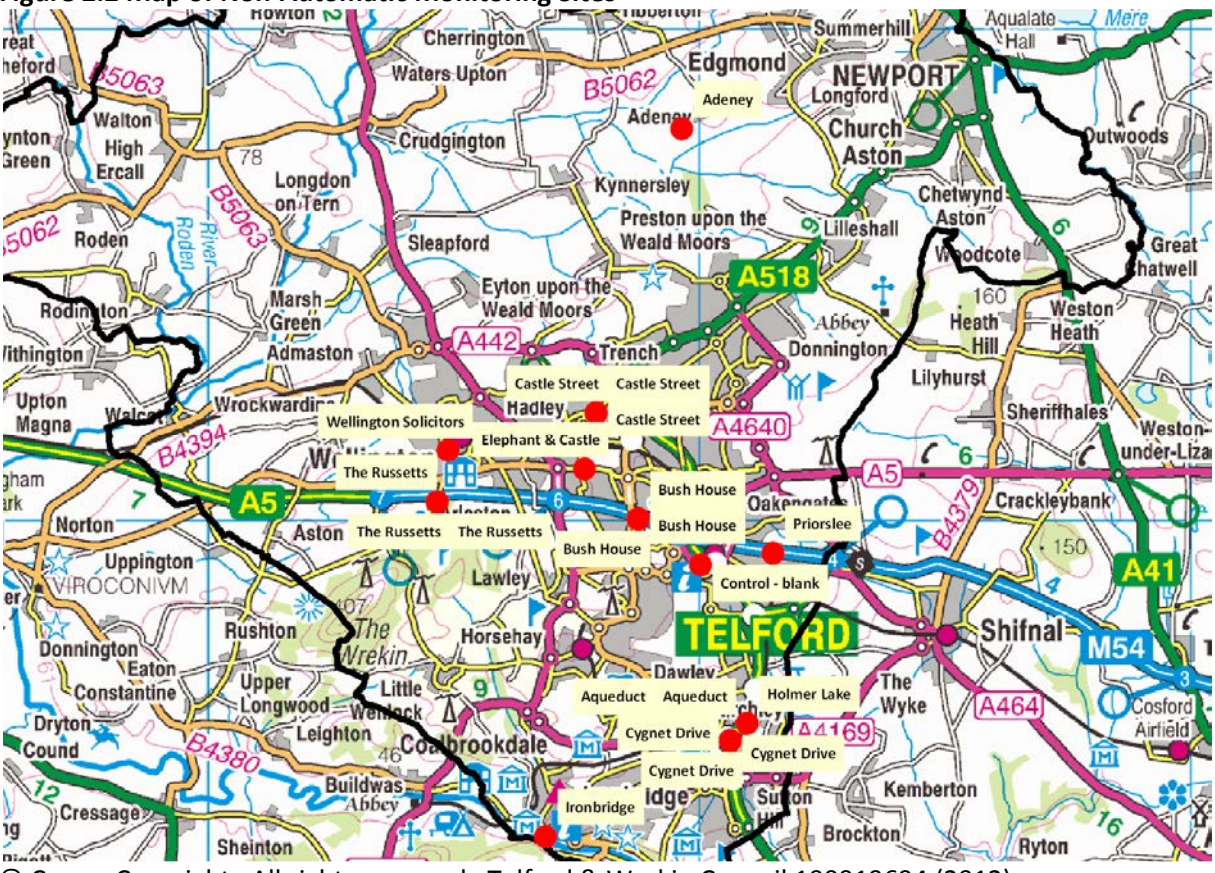


Chart 2.1 Results of Non-Automatic Monitoring, Average Values 2010

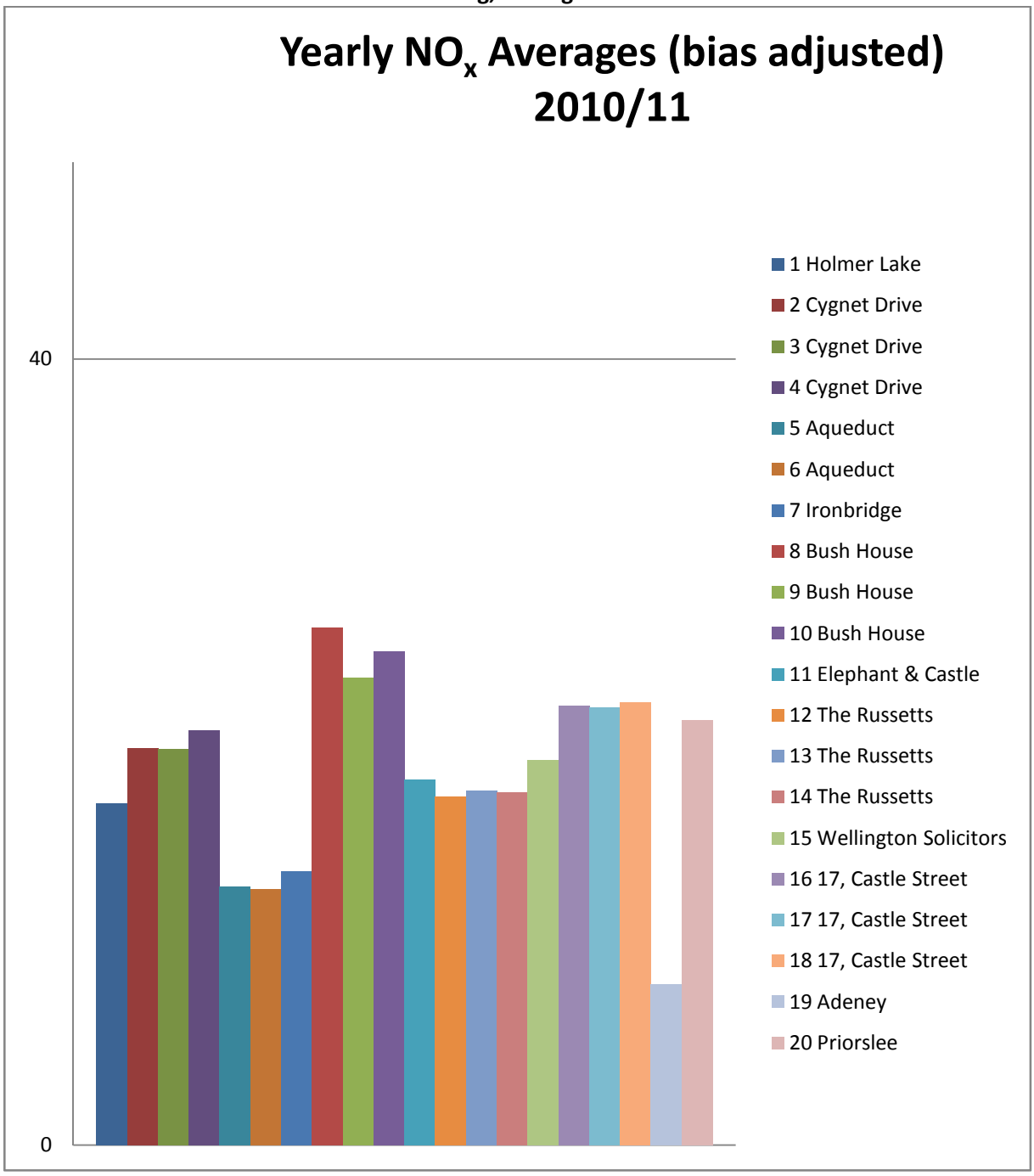


Table 2.2 Details of Non- Automatic Monitoring Sites

Site Name	Site Type	OS Grid Ref		Pollutants Monitored	In AQMA?	Relevant Exposure? (Y/N with distance (m) to relevant exposure)	Distance to kerb of nearest road (N/A if not applicable)	Worst-case Location?
1; Holmer Lake	Intermediate	370963	305913	NO_2	N	Y (87.8)	41.7	Y
2, Cygnet Drive	Intermediate	370612	305540	NO_2	N	Y (14.1)	24	Y
3, Cygnet Drive	Intermediate	370612	305540	NO_2	N	Y (14.1)	24	Y
4, Cygnet Drive	Intermediate	370612	305540	NO_2	N	Y (14.1)	24	Y
5, Aqueduct	Intermediate	368997	305843	NO_2	N	Y (25.2)	55.5	Y
6, Aqueduct	Intermediate	368997	305843	NO_2	N	Y (25.2)	55.5	Y
7, Ironbridge	Intermediate	366855	303608	NO_2	N	Y (52.7)	3.2	Y
8, Bush House	Intermediate	368752	310043	NO_2	N	Y (8.9)	11.3	Y
9, Bush House	Intermediate	368752	310043	NO_2	N	Y (8.9)	11.3	Y
10, Bush House	Intermediate	368752	310043	NO_2	N	Y (8.9)	11.3	Y
11, Elephant & Castle	Intermediate	367660	311066	NO_2	N	Y (13.2)	33.5	Y
12, The Russetts	Intermediate	364663	310393	NO_2	N	Y (14.4)	24.2	Y
13, The Russetts	Intermediate	364663	310393	NO_2	N	Y (14.4)	24.2	Y
14, The Russetts	Intermediate	364663	310393	NO_2	N	Y (14.4)	24.2	Y
15, Wellington Solicitors	Roadside	364867	311447	NO_2	N	Y (103.1)	14.7	Y
16, 17 Castle Street	Roadside	367901	312223	NO_2	N	Y (6.3)	0.8	Y
17, 17 Castle Street	Roadside	367901	312223	NO_2	N	Y (6.3)	0.8	Y
18, 17 Castle Street	Roadside	367901	312223	NO_2	N	Y (6.3)	0.8	Y
19, Adeney	Rural backgrd.	369688	317965	NO_2	N	300	29.4	N
20, Priorslee	Intermediate façade	371431	309412	NO_2	N	Y - 10.2	57.7	Y

Table 2.3 Details of Non- Automatic Monitoring Sites

Site Name	Site Type	OS Grid Ref		Diffusion tube results
1 Holmer Lake	Intermediate	370963	305913	17
2 Cygnet Drive	Intermediate	370612	305540	20
3 Cygnet Drive	Intermediate	370612	305540	20
4 Cygnet Drive	Intermediate	370612	305540	21
5 Aqueduct	Intermediate	368997	305843	13
6 Aqueduct	Intermediate	368997	305843	13
7 Ironbridge	Intermediate	366855	303608	14
8 Bush House	Intermediate	368752	310043	26
9 Bush House	Intermediate	368752	310043	24
10 Bush House	Intermediate	368752	310043	25
11 Elephant & Castle	Intermediate	367660	311066	19
12 The Russetts	Intermediate	364663	310393	18
13 The Russetts	Intermediate	364663	310393	18
14 The Russetts	Intermediate	364663	310393	18
15 Wellington Solicitors	Roadside	364867	311447	20
16 17, Castle Street	Roadside	367901	312223	22
17 17, Castle Street	Roadside	367901	312223	22
18 17, Castle Street	Roadside	367901	312223	23
19 Adeney	Rural backgrd.	369688	317965	8
20 Priorslee	Intermediate	371431	309412	22

2.2 Comparison of Monitoring Results with Air Quality Objectives

2.2.1 Nitrogen Dioxide

Automatic Monitoring Data

There is no automatic monitoring within the area of Telford and Wrekin Council; therefore no comparisons can be made.

Diffusion Tube Monitoring Data

Diffusion tubes are placed in certain, key areas of the Borough. There are 20 tubes in total which are changed on a monthly basis and sent to Gradko Laboratories for analysis. Below are the details for each location.

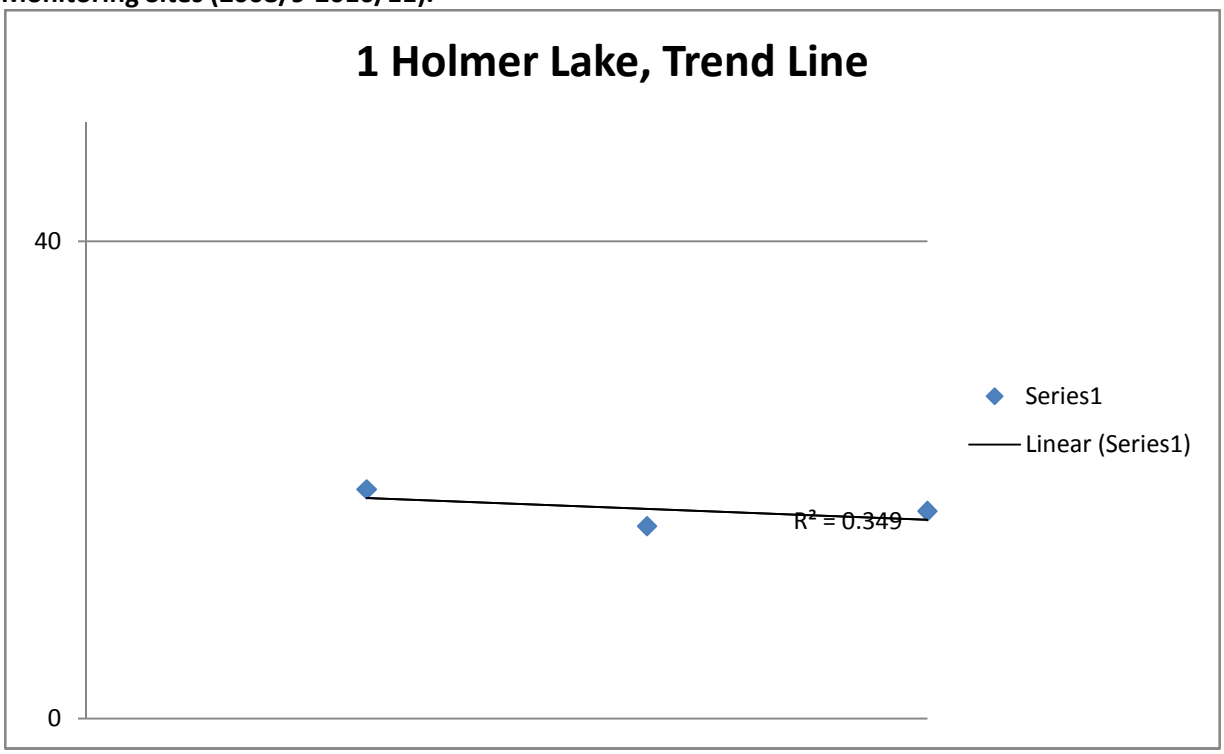
Table 2.4 Results of Nitrogen Dioxide Diffusion Tubes

Site ID	Location	Within AQMA?	Relevant public exposure? Y/N	Data Capture for monitoring period[a] %	Data Capture for full calendar year 2010[b] %	Annual mean concentrations (µg/m^3)		
						2008 [c,d]	2009 [c,d]	2010 [c]
1	Holmer Lake	N	Y	N/A	92%	19	18	17
2	Cygnet Drive	N	Y	N/A	100%	22	20	20
3	Cygnet Drive	N	Y	N/A	100%	22	21	20
4	Cygnet Drive	N	Y	N/A	100%	22	20	21
5	Aqueduct	N	Y	N/A	92%	11	13	13
6	Aqueduct	N	Y	N/A	92%	12	13	13
7	Ironbridge	N	Y	N/A	100%	14	15	14
8	Bush House	N	Y	N/A	100%	29	26	26
9	Bush House	N	Y	N/A	100%	29	26	24
10	Bush House	N	Y	N/A	100%	29	25	25
11	Elephant & Castle	N	Y	N/A	67%	19	27	21 (1.14)
12	The Russetts	N	Y	N/A	100%	20	18	18
13	The Russetts	N	Y	N/A	100%	19	19	18
14	The Russetts	N	Y	N/A	100%	20	18	18
15	Wellington Solicitors	N	Y	N/A	100%	21	21	20
16	17 Castle Street	N	Y	N/A	100%	25	23	22
17	17 Castle Street	N	Y	N/A	100%	25	23	22

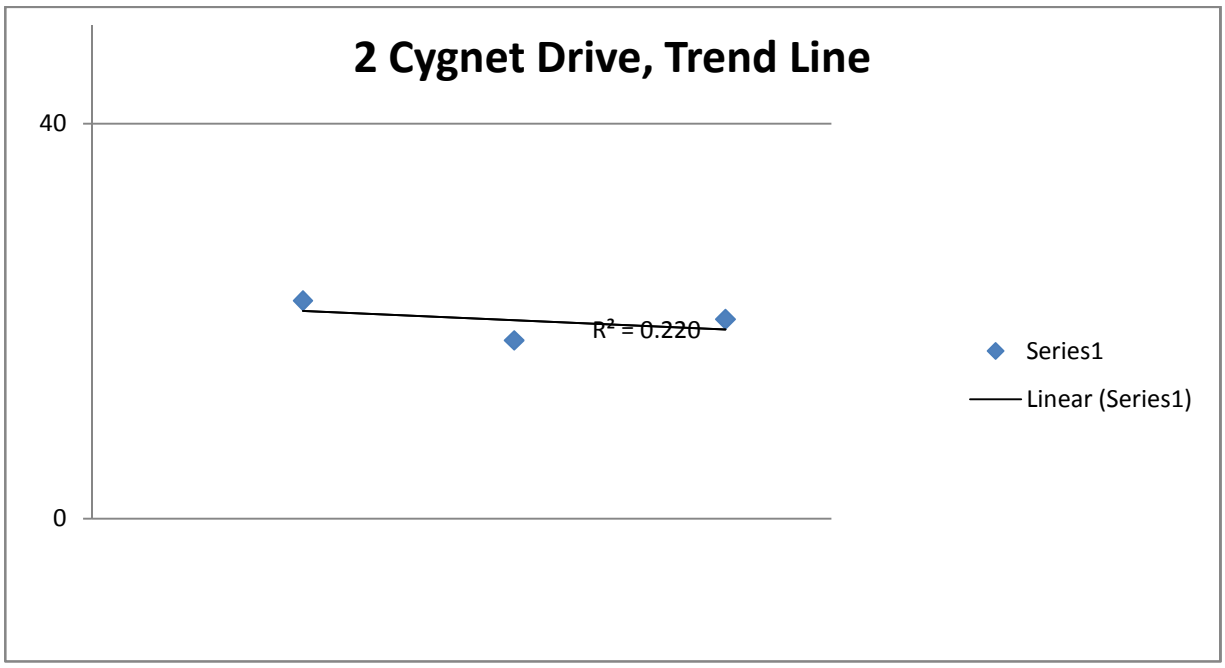
18	17 Castle Street	N	Y	N/A	100%	25	23	23
19	Adeney	N	Y	N/A	83%	6	9	9 (10.8)
20	Priorslee	N	Y	N/A	92%	23	24	22

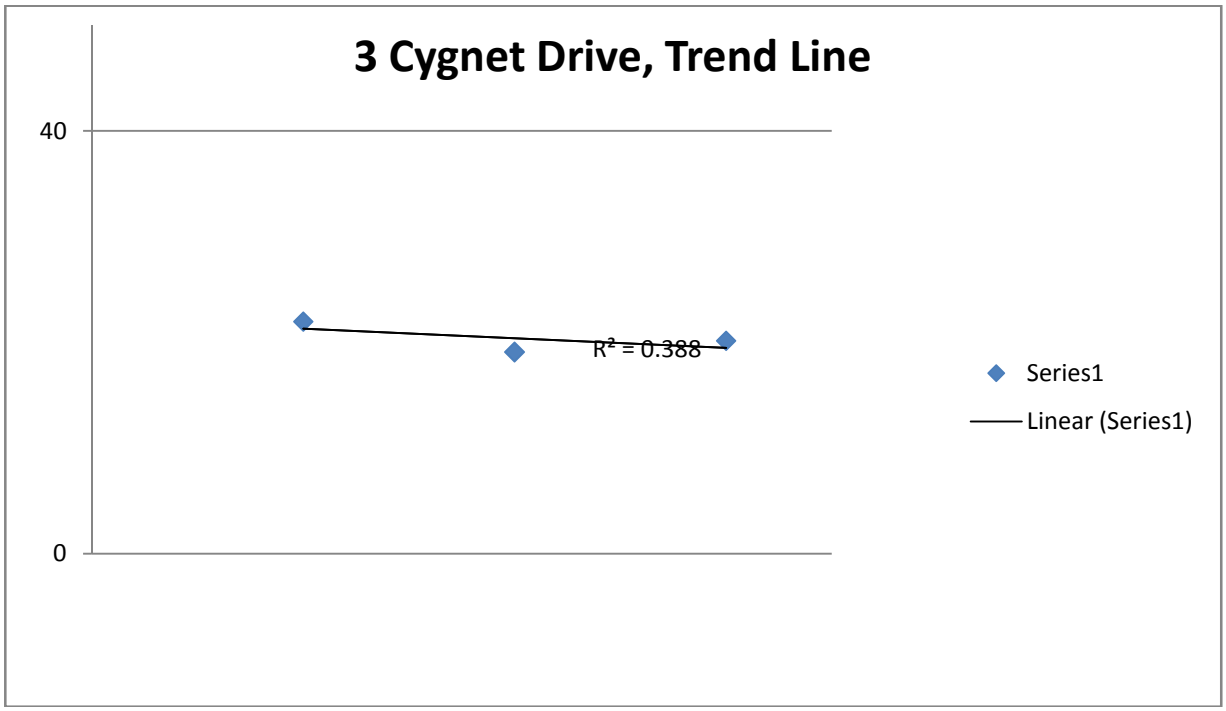
[a] i.e. data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
[b] i.e. data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%)
[c] Means should be "annualised" as in Box 3.2 of TG(09), if monitoring was not carried out for the full year.
[d] Annual mean concentrations for previous years are optional.

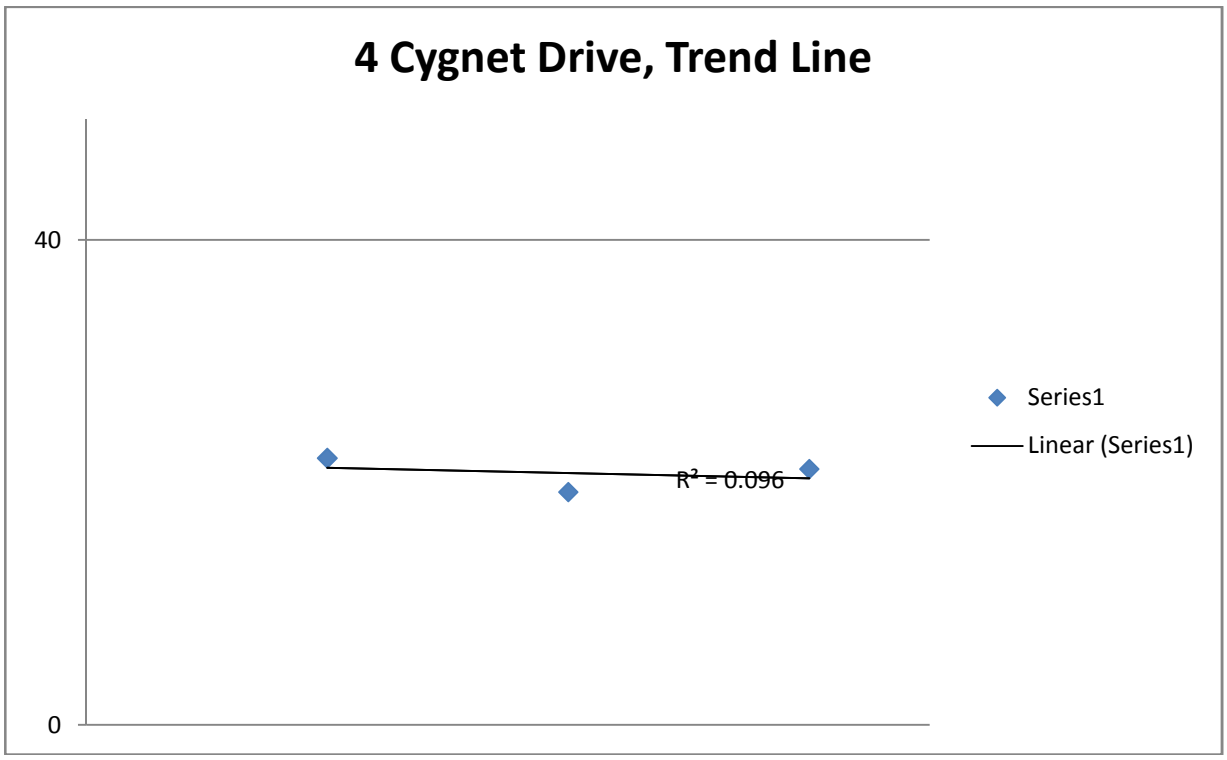
Figure 2.4a-t Trends in Annual Mean Nitrogen Dioxide Concentration Measured at Diffusion Tube Monitoring Sites (2008/9-2010/11).



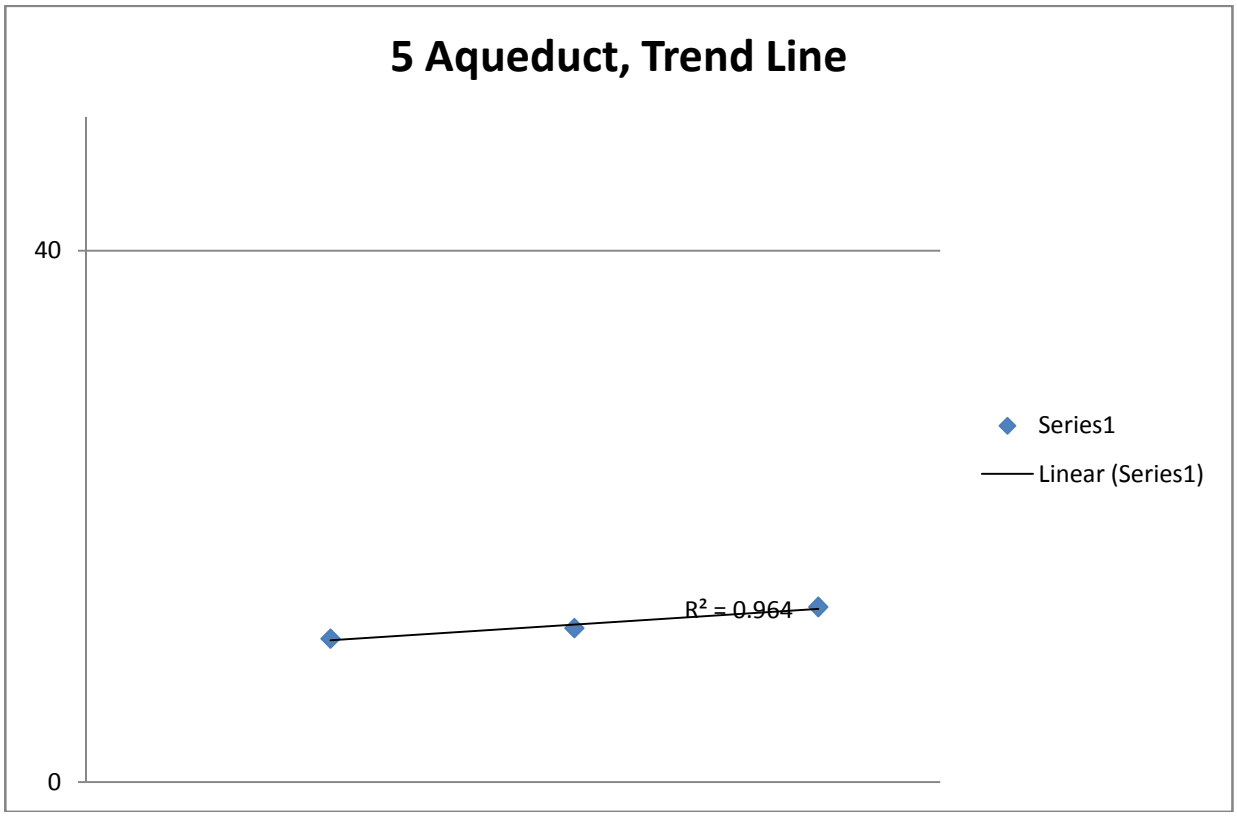
The trend line for diffusion tubes situated at Holmer Lake show a slight decrease, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.

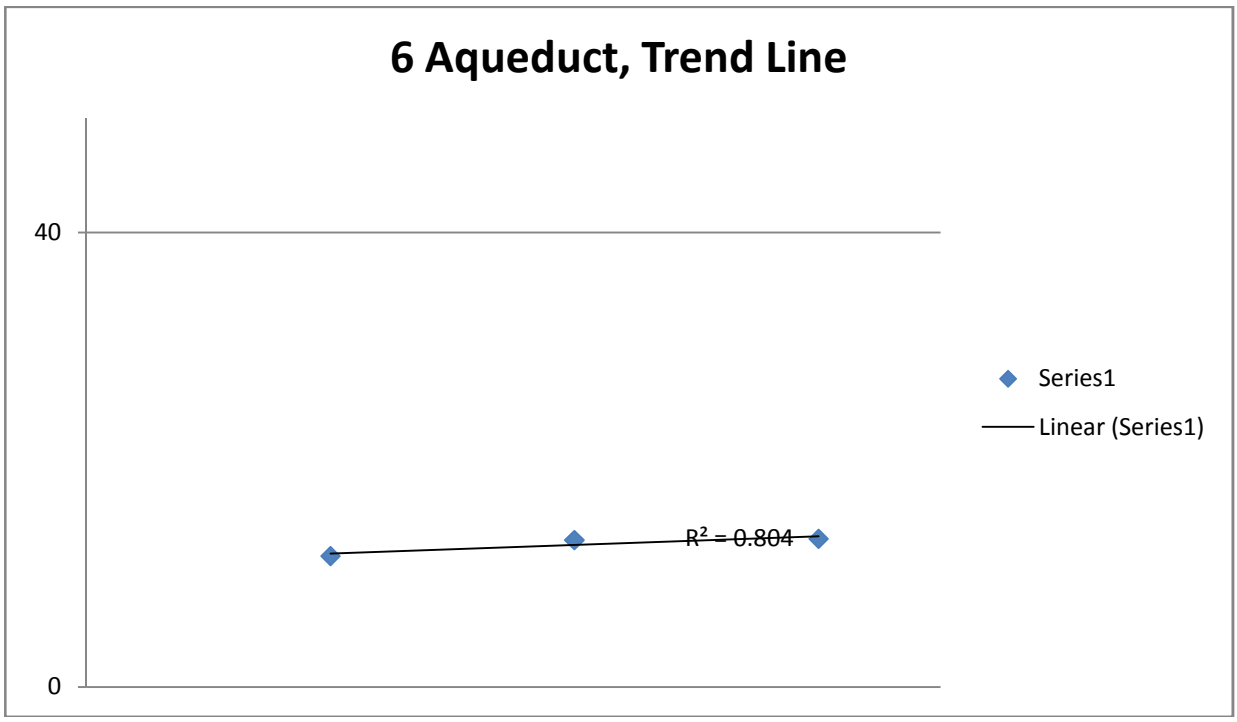

2 Cygnet Drive, Trend Line
40
0
R² = 0.220
Series1
Linear (Series1)


3 Cygnet Drive, Trend Line
40
0
R² = 0.388
Series1
Linear (Series1)

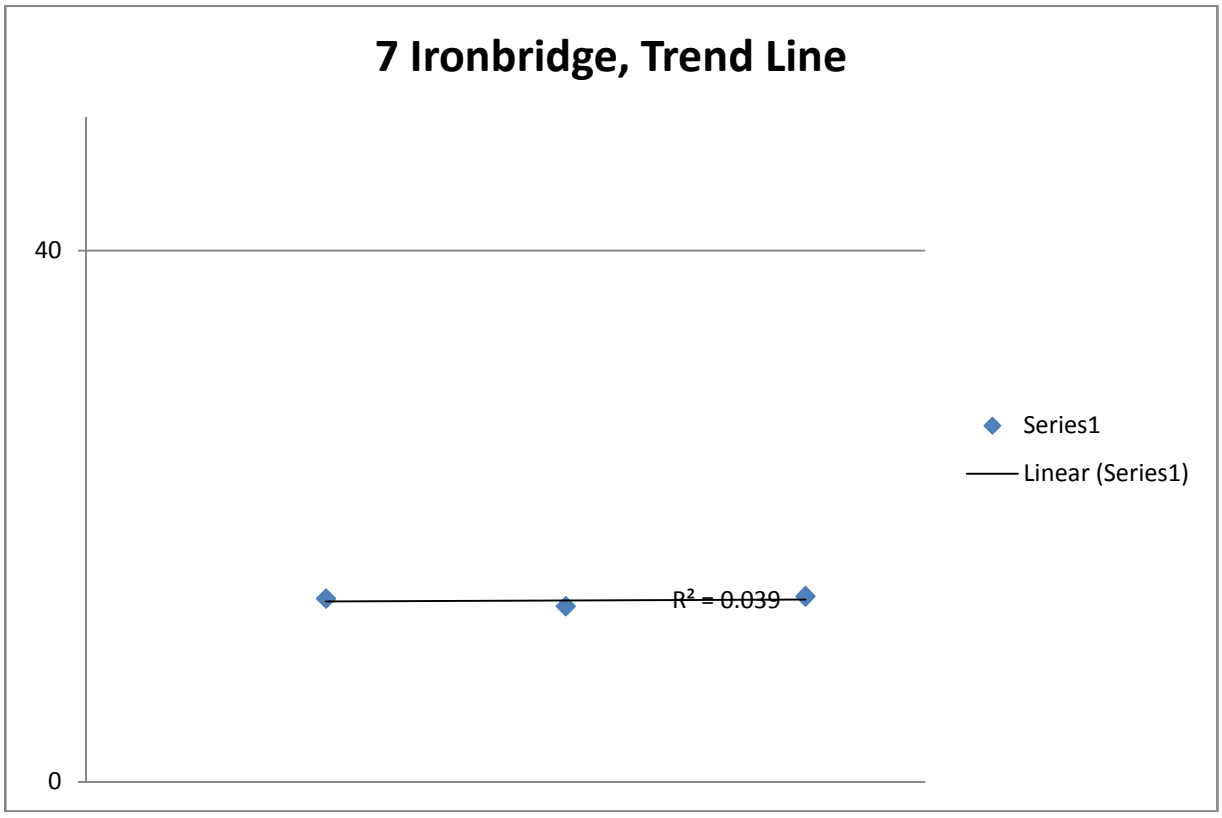


The trend lines for the triplicate diffusion tubes situated at Cygnet Drive show a slight decrease, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.

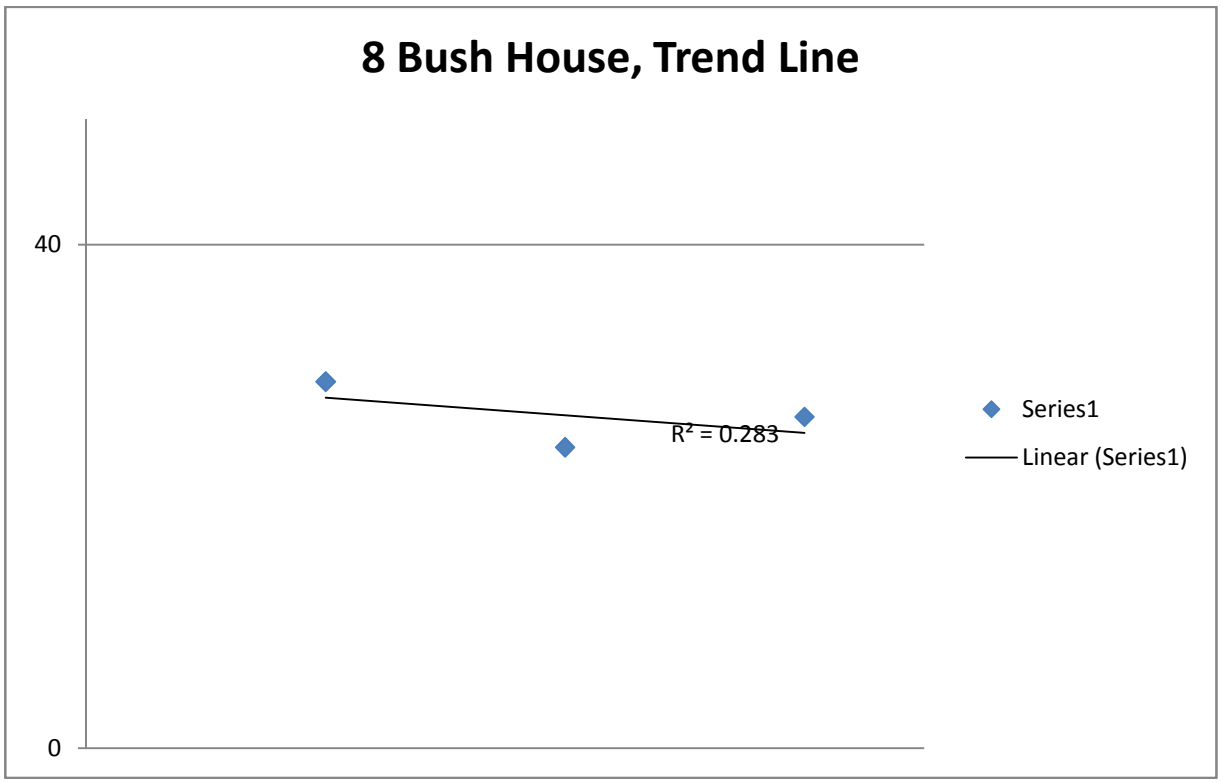


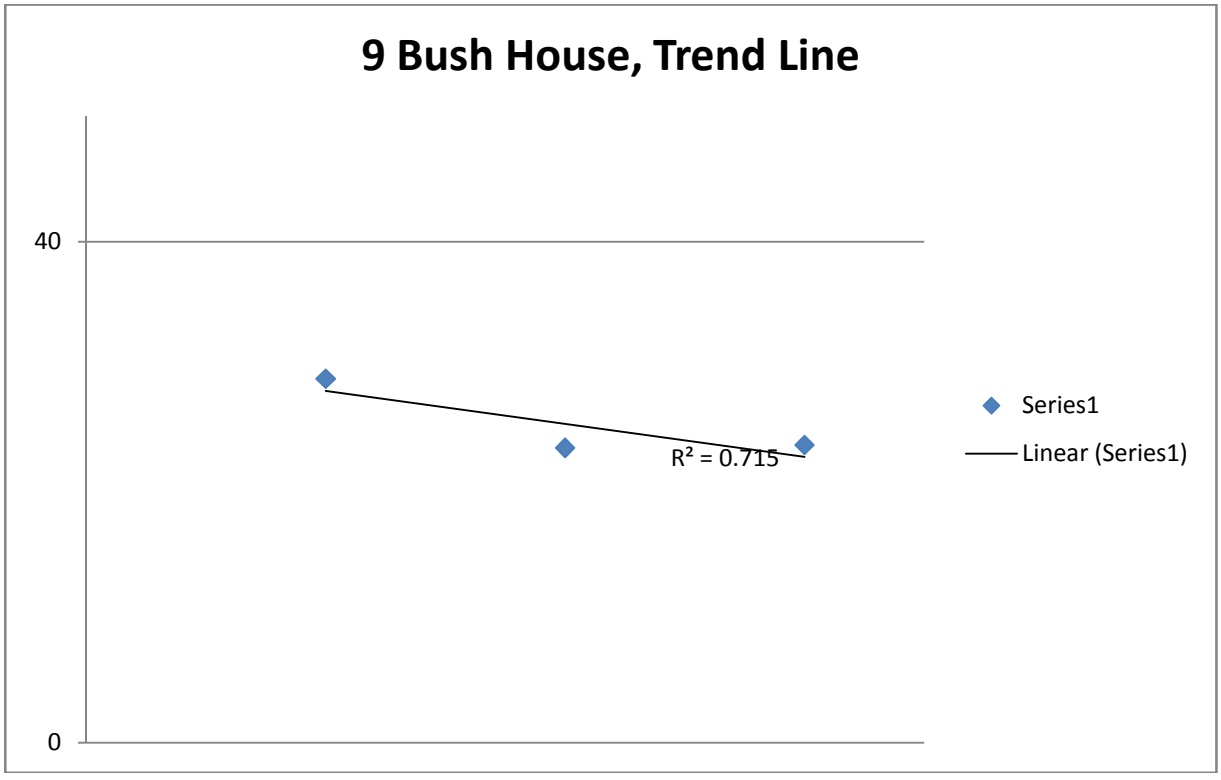


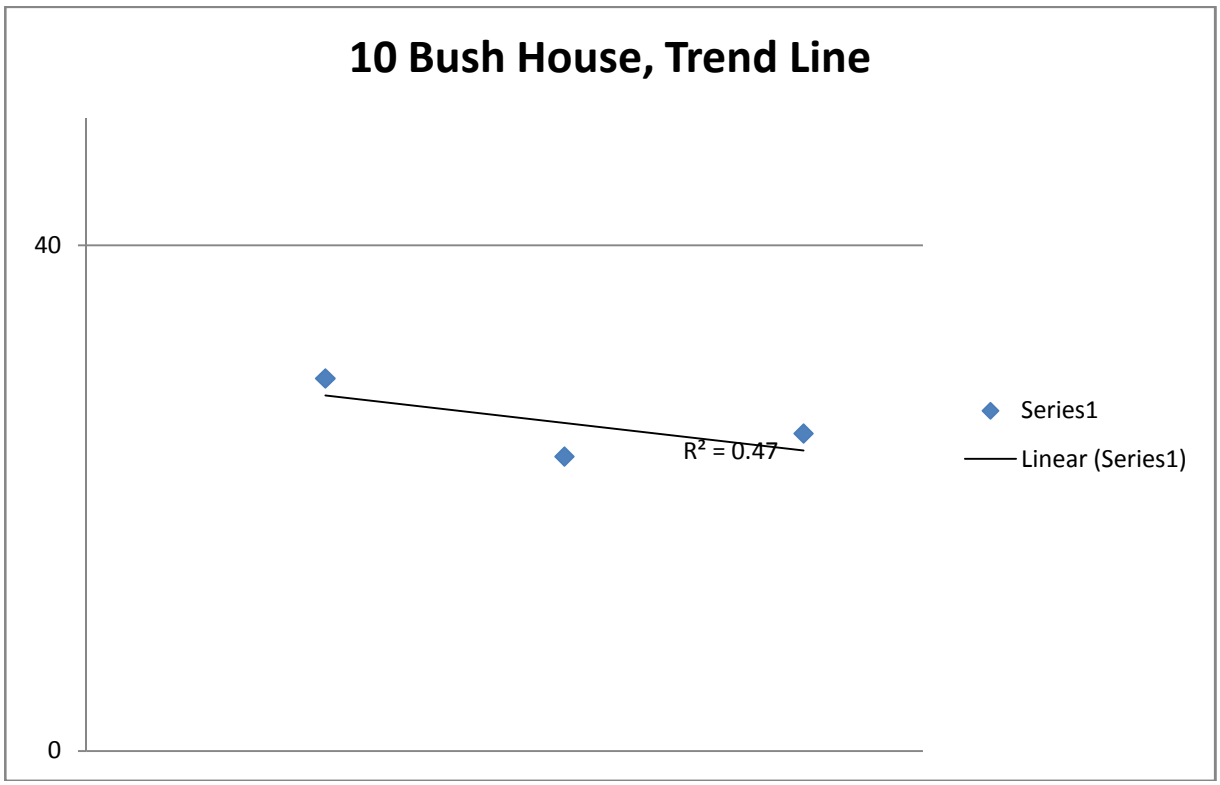
The trend lines for the duplicate diffusion tubes situated at Aqueduct show a slight increase, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.



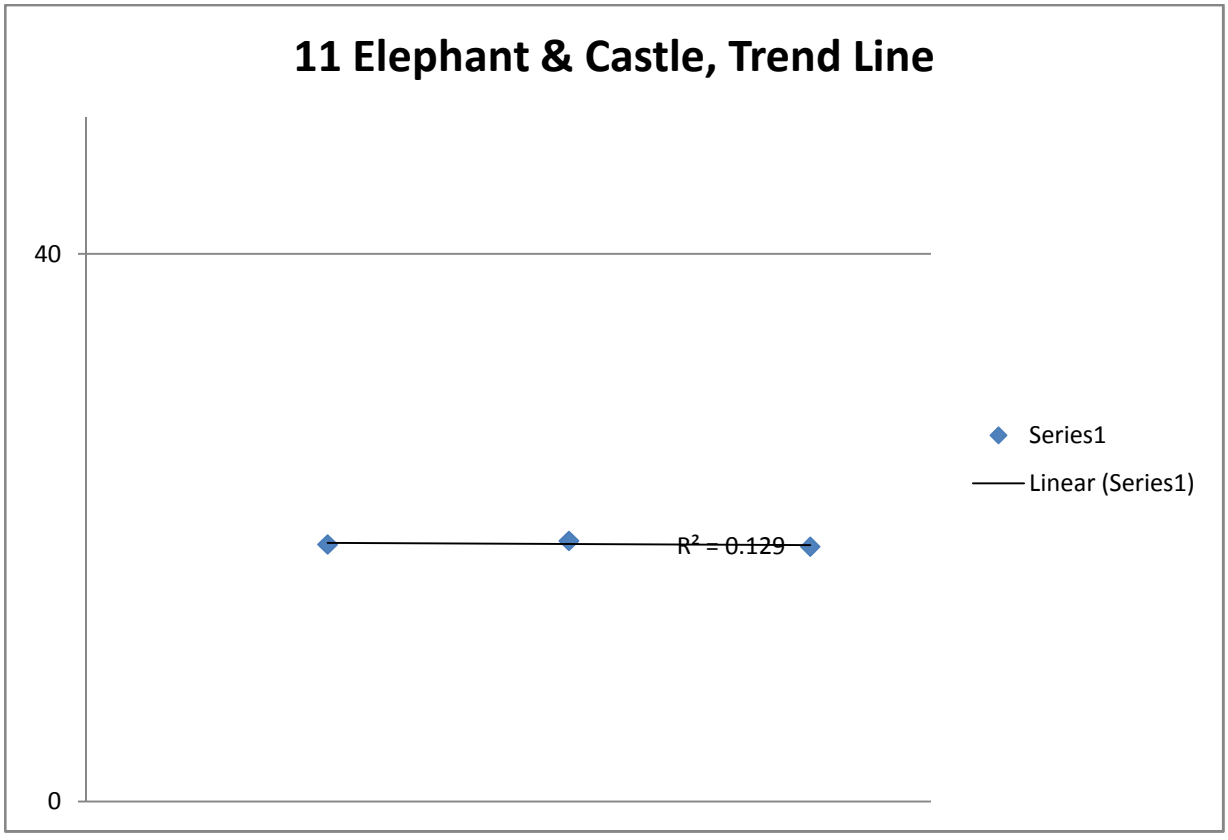
The trend line for diffusion tubes situated at Ironbridge show is flat, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.


8 Bush House, Trend Line
40
0
R² = 0.283
Series1
Linear (Series1)

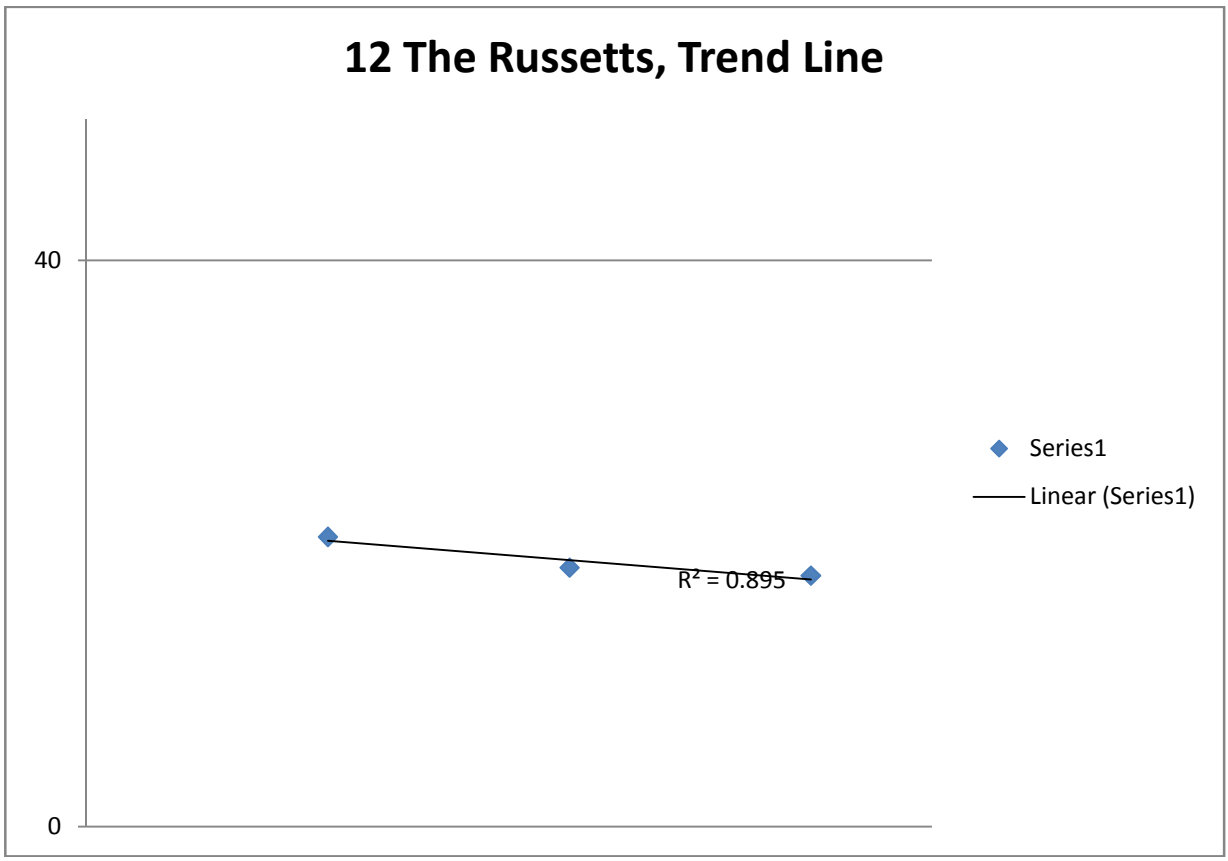

9 Bush House, Trend Line
40
0
R² = 0.715
Series1
Linear (Series1)

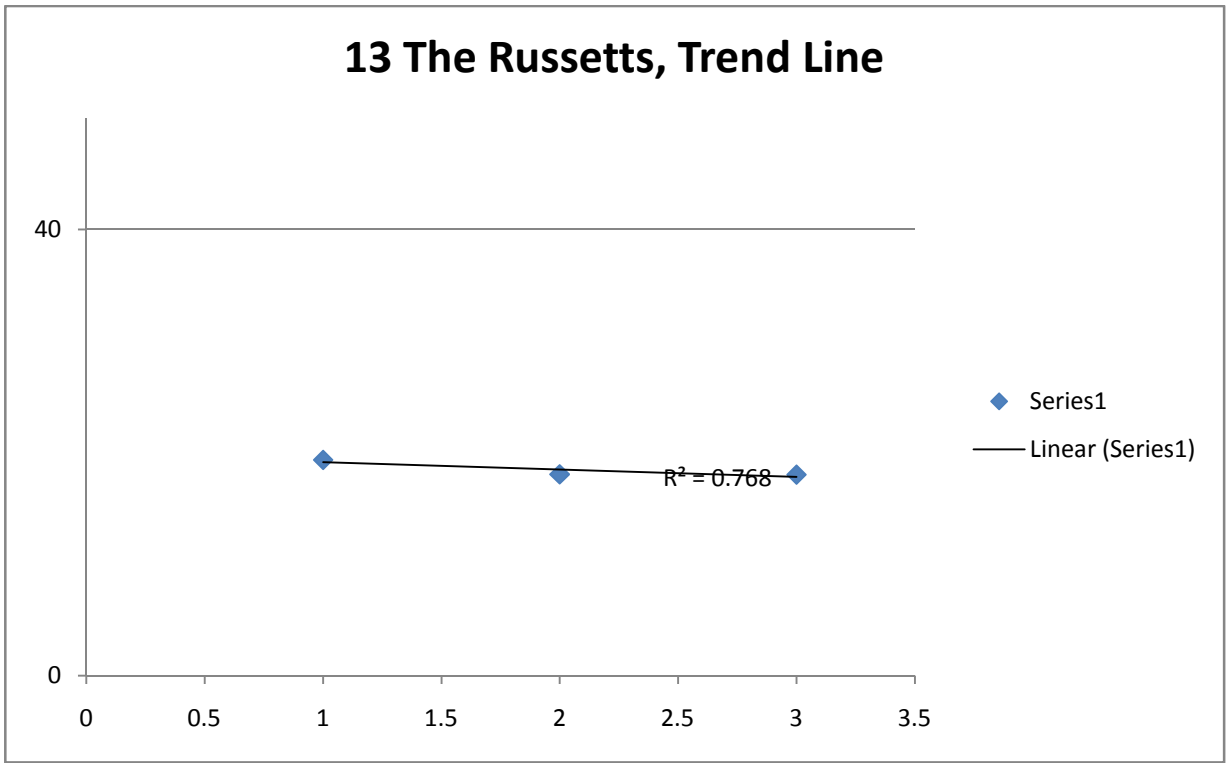


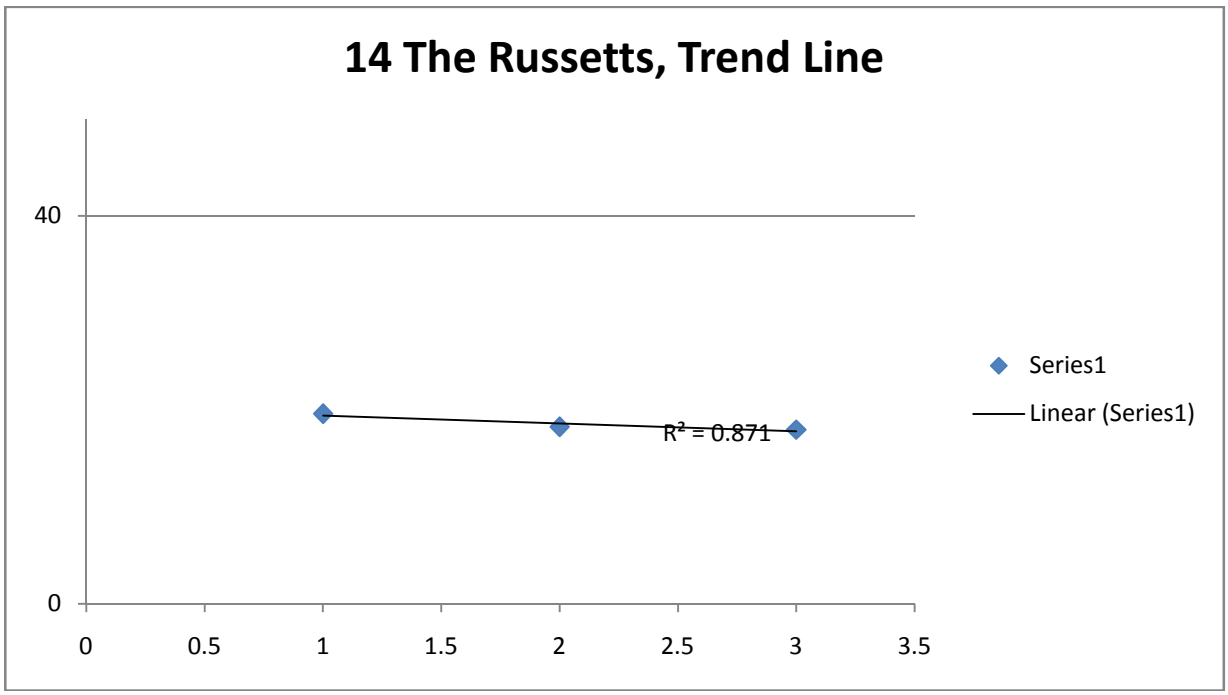
The trend lines for the triplicate diffusion tubes situated at Bush House show a decrease, the statistical significance of this will need assessing in-line with previous year's data for the USA in 2012.



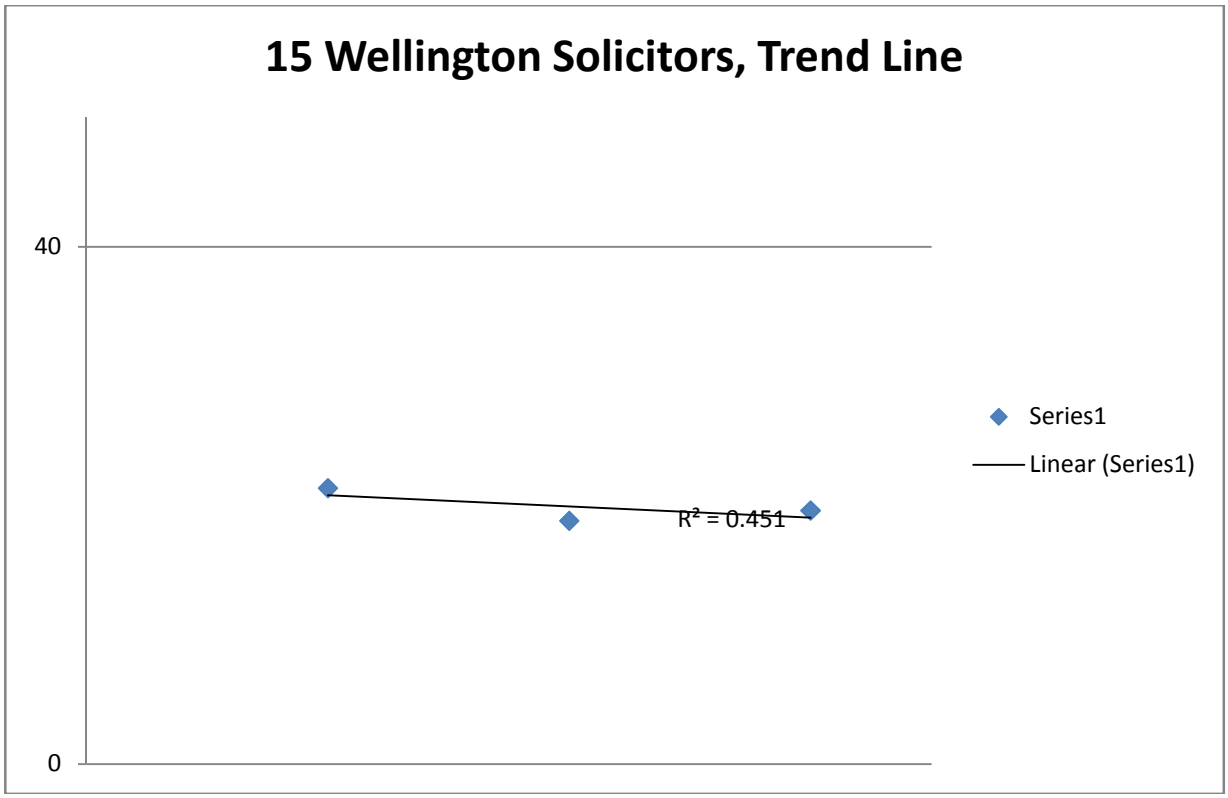
The trend line for diffusion tubes situated at Elephant & Castle is flat, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.


12 The Russetts, Trend Line
40
0
Series1
Linear (Series1)
R² = 0.895

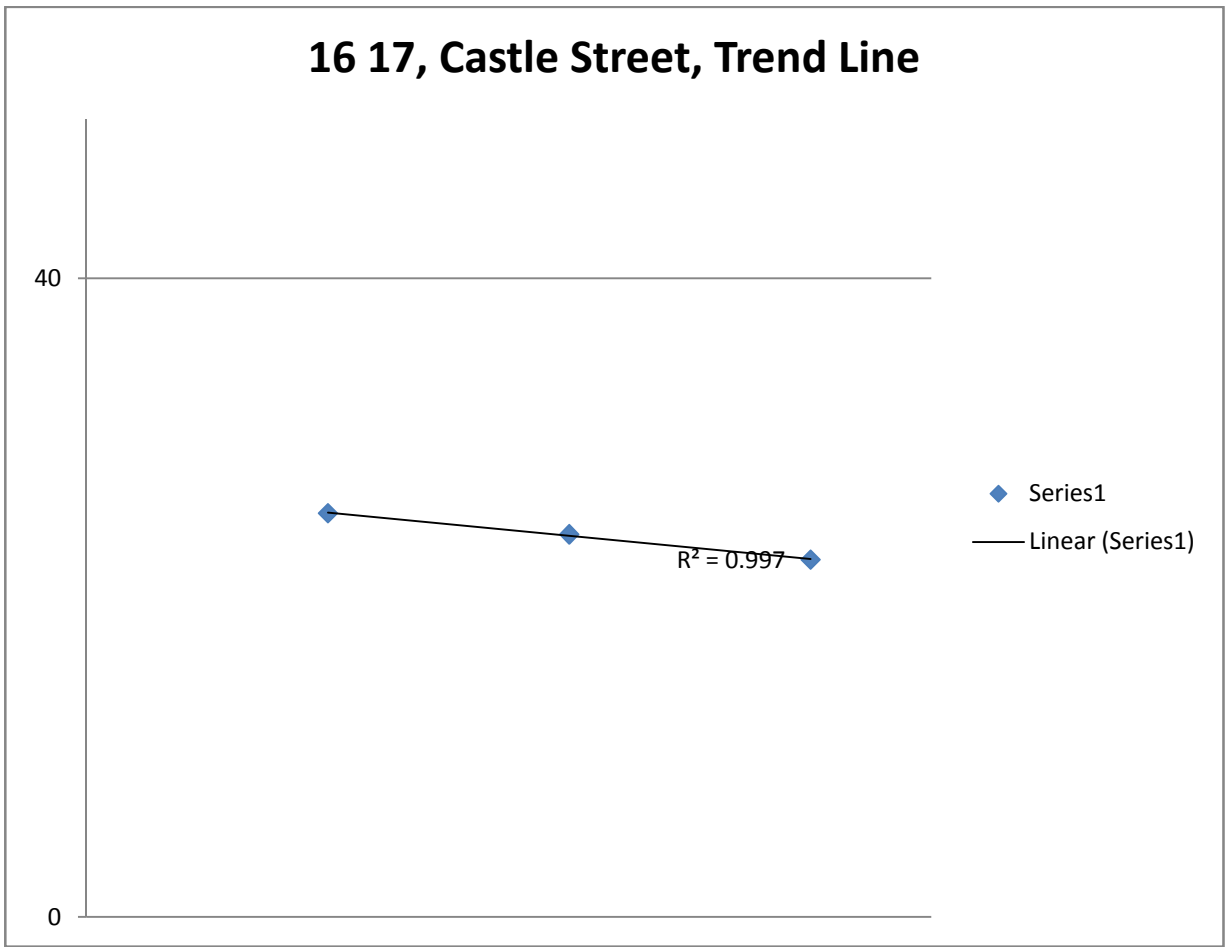

13 The Russetts, Trend Line
40
0
0
0.5
1
1.5
2
2.5
3
3.5
Series1
Linear (Series1)
R² = 0.768

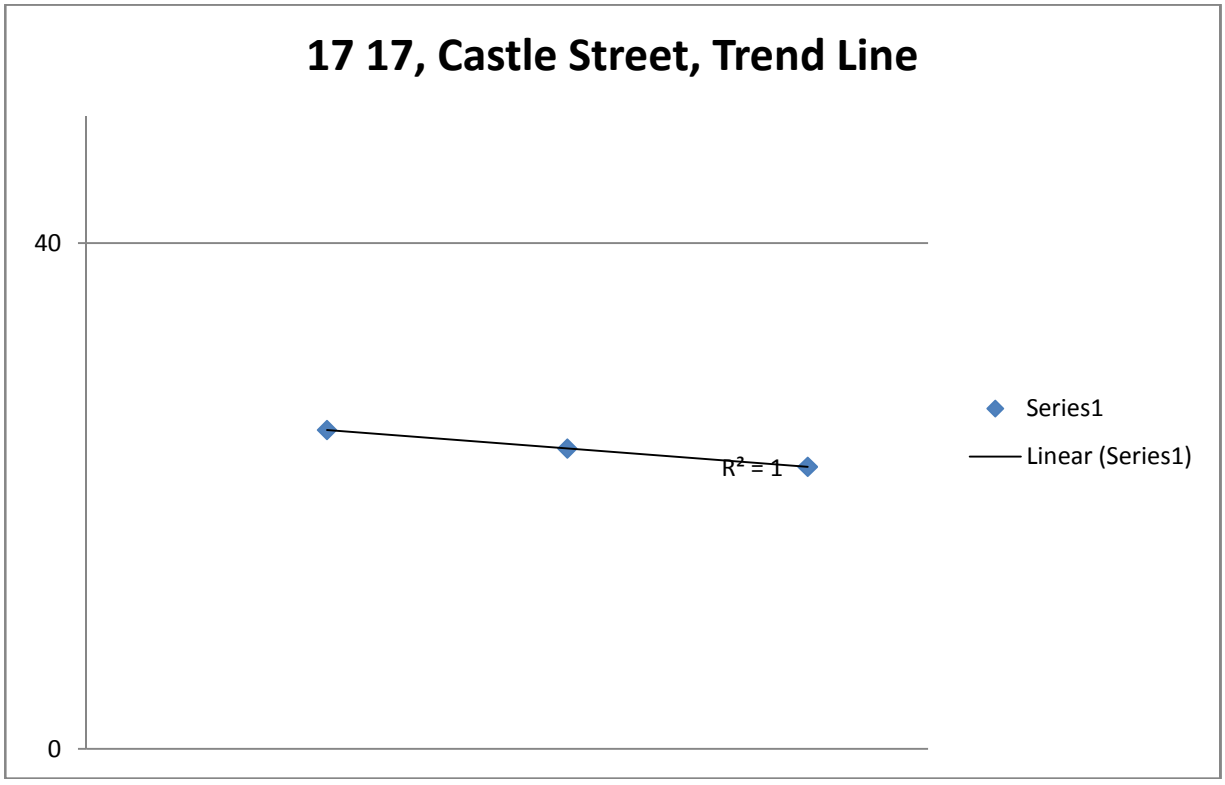


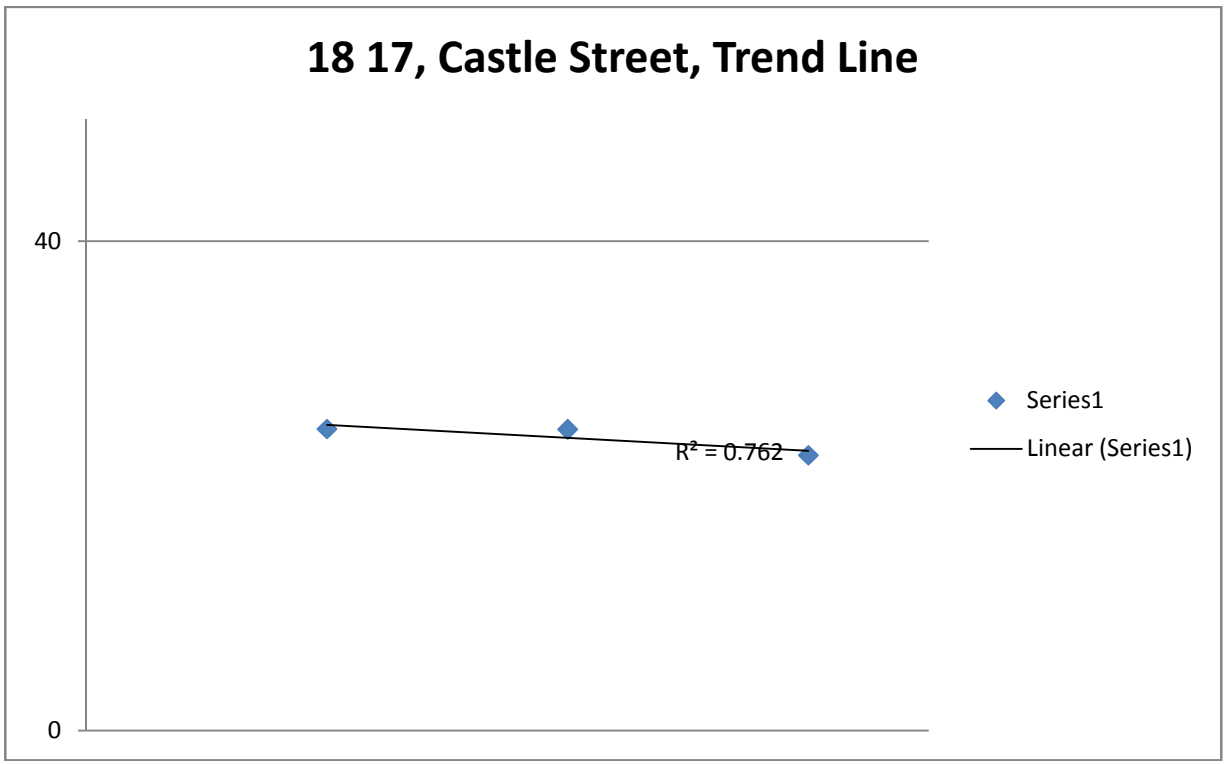
The trend lines for the triplicate diffusion tubes situated at The Russetts show a decrease, the statistical significance of this will need assessing in-line with previous year's data for the USA in 2012.



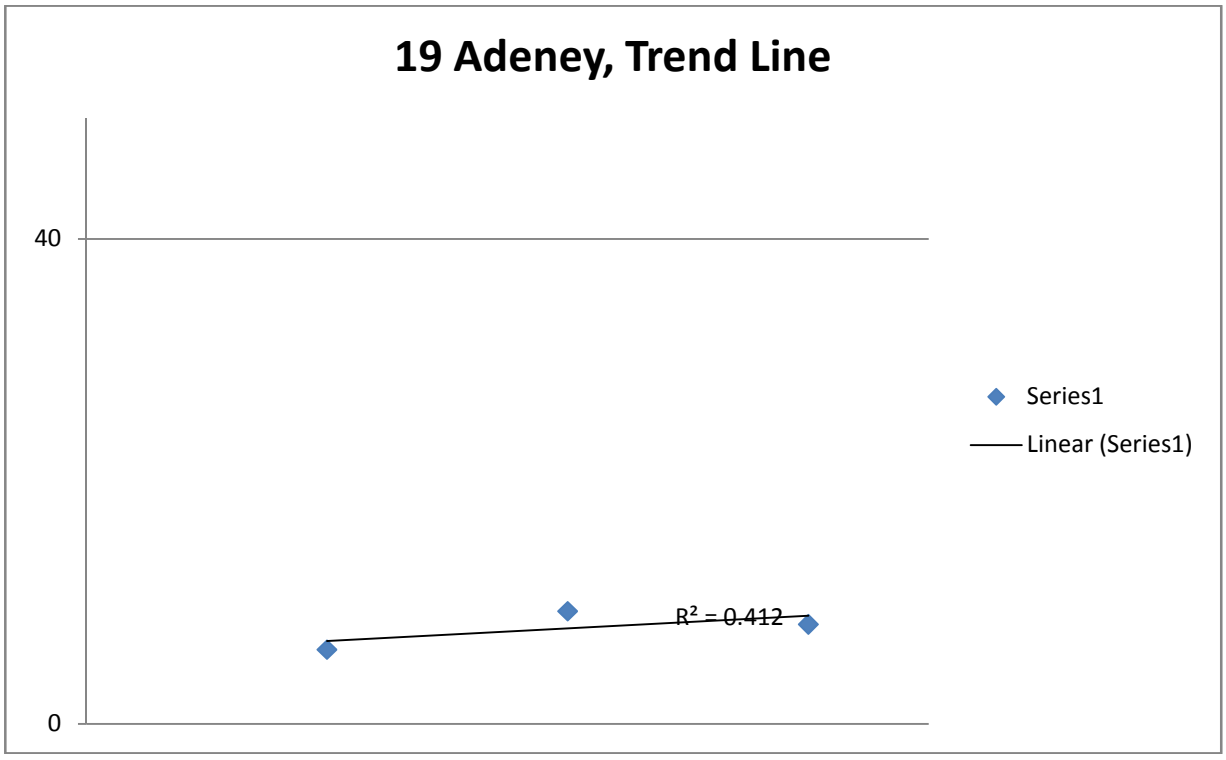
The trend line for diffusion tubes situated at Wellington Solicitors show a decrease, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.


16 17, Castle Street, Trend Line
40
0
R² = 0.997
Series1
Linear (Series1)

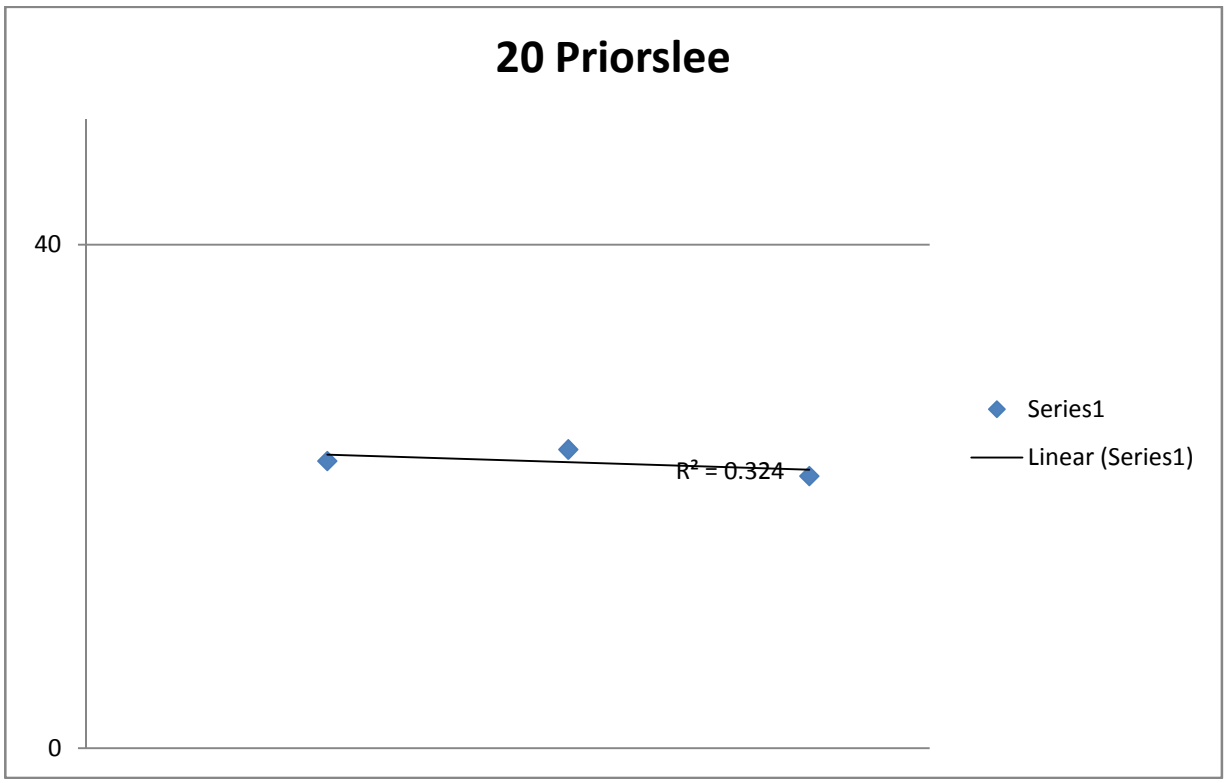

17 17, Castle Street, Trend Line
40
0
R² = 1
Series1
Linear (Series1)



The trend lines for the triplicate diffusion tubes situated at 17 Castle Street show a decrease, the statistical significance of this will need assessing in-line with previous year's data for the USA in 2012.



The trend line for diffusion tubes situated at Adeney show an increase, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.



The trend line for diffusion tubes situated at Priorslee show a decrease, although it is likely that this result is not statistically significant and will need assessing in-line with previous year's data for the USA in 2012.

Trend charts for each site have been included, as well as the r^2 value being listed. As is shown in the data above, the majority of monitoring locations show a decrease in levels of NO_2, although some do show an increase. The statistical significance of these results is questionable, and more data points would be needed to derive this. However, all the results are numerically very much lower than the standards set, and further monitoring is considered unnecessary just to provide statistical significance on data that is well below significant level. Hence it is not proposed to carry out further monitoring or further work in respect of this.

2.2.2 PM_{10}

PM_{10} monitoring at the UK Coal Huntington Lane opencast colliery started on the 16th April, 2007 (the first few years monitoring being undertaken to establish background concentrations). Actual monitoring of operating works began on the 2nd January 2011.

Table 2.5a Results of PM_{10} Automatic Monitoring: Comparison with Annual Mean Objective

Site ID	Location	Within AQMA?	Data Capture for monitoring period [a] %	Data Capture for full calendar year 2010 [b] %	Annual mean concentrations (µg/m³)		
					2008 [c, d]	2009 [c,d]	2010 [c]
	Huntington Colliery	N	N/A	95	18	12	10

[a] i.e. data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
[b] i.e. data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%)
[c] Means should be "annualised" as in Box 3.2 of TG(09), if monitoring was not carried out for the full year.
[d] Annual mean concentrations for previous years are optional.

Table 2.5b Results of PM_{10} Automatic Monitoring: Comparison with 24-hour Mean Objective

Site ID	Location	Within AQMA?	Data Capture for monitoring period [a] %	Data Capture 2010 [b] %	Number of Exceedances of daily mean objective (50 µg/m³) If data capture < 90%, include the 90th percentile of daily means in brackets.		
					2008 [c]	2009 [c]	2010 [c]
	Huntington Lane Colliery	N	N/A	95	5	2	2

[a] i.e. data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
[b] i.e. data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%)
[c] Numbers of exceedances for previous years are optional.

Figure 2.5 Trends in Annual Mean PM_{10}.

Monitoring has shown exceptional air quality at all times. There have been a small number of low level exceedances of the daily mean objective; however the majority of these are thought to be interference of the analyser (daily averages in the hundreds and thousands of µg/m³) due to fog or smoke from garden fires, as shown by the very high levels of PM_{10}, and low levels of $PM_{2.5}$ and PM_1 with minimal to no wind. All the exceedances are during the late night (9pm+) to early morning (5-10 am) period, mostly in the autumn and winter months. As such, it is felt that this automatic air quality monitoring only helps to clarify the excellent air quality that the Borough enjoys.

2.2.3 Sulphur Dioxide

There are two automatic monitoring stations within the Borough that are utilised by E.ON to monitor emissions from the Ironbridge Power Station; the data is reported below.

There were no 15 minute means where the concentration of SO_2 was greater than 266 µg/m³. There were also no 1 hour means where the concentration of SO_2 was greater than 350 µg/m³. There were also no 24 hour means where the concentration of SO_2 was greater than 125 µg/m³.

This reflects a similar trend for recent years where there were also no exceedances.

Table 2.6 Results of SO_2 Automatic Monitoring: Comparison with Objectives

Site ID	Location	Within AQMA	Data Capture for monitoring period [a] %	Data Capture 2010 [b] %	Number of Exceedances of:		
					15-minute Objective (266 µg/m^3)	1-hour Objective (350 µg/m^3)	24-hour Objective (125 µg/m^3)
	Telford School	N	95	98	0	0	0
	Telford Aqueduct	N	78	99	0	0	0

[a] I.e. data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
[b] This column shows data capture for the full calendar year – e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%.

2.2.4 Benzene

Telford & Wrekin Council do not monitor for benzene.

2.2.5 Other pollutants monitored

Huntingdon Colliery also monitor for $PM_{2.5}$ and PM_1 at their automatic monitoring station. The results of this monitoring are discussed below.

There is a proposed target of a 15% reduction in $PM_{2.5}$ concentrations at urban background locations (measured as a three year mean) by 2020. This will be assessed during the USA for 2012.

Telford and Wrekin Council do not monitor any other pollutants; issues with dust and odours are dealt with via the appropriate process (either environmental permitting from those premises that have a permitted process, or via statutory nuisance).

No radiation monitoring is undertaken.

2.2.6 Summary of Compliance with AQS Objectives

Telford & Wrekin Council has examined the results from monitoring in the borough. Concentrations are all below the objectives, therefore there is no need to proceed to a Detailed Assessment.

3 New Local Developments

3.1 Road Traffic Sources

Telford and Wrekin Council has identified no roads or junctions that require assessment under the following criteria:

Narrow Congested Streets with Residential Properties Close to the Kerb

The criterion for assessment has changed since the previous round of Review and Assessment, this source has been reassessed. The criteria are listed below:

- Daily traffic flow (AADT) should be around 5,000 vehicles/day or more.
- A congested street will be one with slow moving traffic that is frequently stopping and starting due to pedestrian crossings, parked vehicles etc throughout much of the day (not just during rush hours). The average speed is likely to be less than about 25 kph (15 mph).
- A narrow street will be one with residential properties within 2 m of the kerb, and buildings on both sides of the road (the buildings on the other side of the road can be further from the road than 2 m).

Telford and Wrekin Council confirms that there are no identified congested streets with a flow above 5,000 vehicles per day and residential properties close to the kerb.

Busy Streets where People may spend 1-Hour or More Close to Traffic

Telford and Wrekin Council confirms that there are no new/newly identified busy streets where people may spend 1 hour or more close to traffic.

Roads with a High Flow of Buses and/or Heavy Goods Vehicles

Traffic data assessed for the USA show no roads with high flows of buses and heavy goods vehicles >20%. Telford and Wrekin Council confirms that there are no new/newly identified roads with high flows of buses and/or heavy goods vehicles.

Junctions

Telford and Wrekin Council confirms that there are no new/newly identified busy junctions/busy roads

New Roads Constructed or Proposed Since the Last Round of Review and Assessment

Telford and Wrekin Council confirms that there are no new/proposed roads.

Roads with Significantly Changed Traffic

Traffic data assessed for the USA show no roads with significantly changed traffic flows of more than 25%. Telford and Wrekin Council confirms that there are no new/newly identified roads with significantly changed traffic flows.

Bus and Coach Stations

The assessment considers both NO_2 and PM_{10} emissions at bus stations that are not enclosed with >2500 movements per day. There are no bus stations in Telford which fulfil these criteria. Telford and Wrekin Council confirms that there are no relevant bus stations in their local authority area.

3.2 Other Transport Sources

Airports

The assessment for airports considers NO_2. If there are no airports in the local authority area, there is no need to proceed further with this part. Telford and Wrekin Council confirms that there are no airports in their local authority area.

Railways (Diesel and Steam Trains)
The assessment for stationary trains considers SO_2 emissions, while the assessment for moving diesel trains considers NO_2 emissions. If there are no railways carrying diesel or steam trains in the local authority area, there is no need to proceed further with this part. Telford Steam Railway does operate along a 2mile section of track periodically. Activity is confined mainly to the weekends and numbers of journeys are low. Historic monitoring shows no breach of Air Quality Objectives and there are no localised complaints in relation to air quality issues (i.e. fallout or odour).

Stationary Trains
Telford and Wrekin Council confirms that there are no locations where diesel or steam trains are regularly stationary for periods of 15 minutes or more, with potential for relevant exposure within 15 m.

Moving Trains
Telford and Wrekin Council confirms that there are no locations with a large number of movements of diesel locomotives, and potential long-term relevant exposure within 30m.

Ports (Shipping)
The assessment for shipping considers SO_2 emissions at busy ports with 5,000 and 15,000 movements per year and relevant exposure within 250m. If there are no ports or shipping, there is no need to proceed further with this part.

Telford and Wrekin Council confirms that there are no ports or shipping that meets the specified criteria within their local authority area.

3.3 Industrial Sources

The assessment of industrial installations considers all the regulated pollutants, although those most at risk of requiring further work are SO_2, NO_2, PM_{10} and benzene. A list of industrial processes in the Borough is included in Appendix C

New or proposed installations for which an air quality assessment has been carried out.
Telford & Wrekin Council has assessed new/proposed industrial installations, and concluded that it will not be necessary to proceed to a detailed assessment. During the planning process, any development that could have an impact on air quality is required to have an air quality survey undertaken by the applicants.

Existing installations where emissions have increased substantially or new relevant exposure has been introduced.
Telford & Wrekin Council confirms that there are no industrial installations with substantially increased emissions, or new relevant exposure in their vicinity, within its area or nearby in a neighbouring authority.

New or significantly changed installations with no previous air quality assessment.
There are five new permitted processes permitted by Telford & Wrekin Council since the last progress report. Two of these are current Part B processes upgrading to an A2 process, the remaining three are new applications for Part B processes.

Background levels of PM_{10} in the area of Telford & Wrekin Council are low, typically 13-20 $\mu g/m^3$, although exposure within 200m is considered relevant for any background concentration. There are no issues with respect to dust complaints or significant dust emissions from these sites. Screening of the listed processes in accordance with the LAQM.TG(09) checklist (5.10) suggests that these processes are unlikely to contribute a risk to exceedances of the Air Quality Objectives.

As such, there will be no need to proceed to a detailed assessment.

Major fuel storage depots storing petrol.
The assessment considers benzene, with respect to the 2010 objective. As there are no major fuel storage depots storing petrol within the area of Telford & Wrekin Council, there will be no need to proceed to a detailed assessment.

Petrol stations.
The assessment considers benzene, with respect to the 2010 objective. Large petrol stations, where annual throughput is more than 2000m3 of petrol (2 million litres per annum), and with a busy road nearby with greater than 30,000 annual average daily vehicle movements, require consideration with respect to relevant exposure. Telford & Wrekin Council can confirm that there are no petrol stations meeting the criteria within the Borough.

Poultry farms.
Poultry farms with in excess of 400,000 birds, if mechanically vented, and 200,000 birds if naturally ventilated, and 100,000 birds in any turkey unit, require consideration with to establish whether there is any relevant exposure within 100m of the poultry units, for PM10. Telford & Wrekin Council can confirm that there are no poultry farms within the Borough meeting the specified criteria.

3.4 Commercial and Domestic Sources

There are a number of individual biomass combustion plants within the Borough. These are at Shortwood Primary School, Oakengates Theatre, Hadley Learning Community Engineering College, and Aqueduct Primary School. All are commissioned to burn G30 grade wood chip with a moisture content of W30, except the plant at Aqueduct Primary School which has been commissioned to burn on pellets. All the appliances were assessed at planning stage, or via Clean Air Act Section 15 authorisation, and were not considered to have a detrimental effect on the local air quality.

3.5 New Developments with Fugitive or Uncontrolled Sources

There are a number of developments that may be sources of fugitive or uncontrolled sources. These are discussed in detail below.

Huntington Lane Opencast Mine – Planning permission was granted on appeal for the surface extraction of nearly 900,000 tonnes of coal and fire clay over 32 months outside Lawley village. As previously discussed, air quality is being regulated by way of an Environmental Permit and other stringent controls via the planning regime. The data collected to date shows no beaches with regard to PM_{10}, $PM_{2.5}$ and PM_1.

Dawley Regeneration –A 2.5million m^3 earthworks scheme to create a development platform for a new School: The work to level the site is expected to last a number of months with the next phase of the programme to deliver the Sports and Learning Community due to start in October 2011. Environmental monitoring and controls are being implemented via relevant planning permissions to ensure that nuisance dust is being kept within acceptable limits. The earthworks are now substantively complete and the building phase of the programme is about to begin.

Telford and Wrekin Council confirms that there are no new or newly identified local developments which may have an impact on air quality within the Local Authority area.

Telford and Wrekin Council confirms that all the following have been considered –

- **Road traffic sources**
- **Other transport sources**
- **Industrial sources**
- **Commercial and domestic sources**
- **New developments with fugitive or uncontrolled sources.**

4 Local/Regional Air Quality Strategy

Telford and Wrekin Council do not have an air quality strategy due to the excellent air quality within the Borough. However, the Council is looking at producing a strategy to formally adopt its position of assessing all those planning applications that may be detrimental to the airy quality of the Borough; a process that is currently being utilised.

5 Planning Applications

As stated above, Telford and Wrekin Council currently assess all planning applications that may be detrimental to the excellent air quality of the Borough. As such, applicants are asked to show how their development will affect air quality via reports submitted to fulfil conditions. An air quality strategy is being looked into to formally adopt this position. As such, there are a number of planning applications that are being looked into with regards to air quality. Please see these tabulated below.

Table 5; List of recent Planning Applications

SITE	PROPOSAL	TYPE	EXPECTED
Hollywell Lane Lightmoor	20 dwellings	FULL	AUTUMN 10
Maddocks Grange	14 dwellings	FULL	SUMMER 10
Sutton Hill	Retail/Road	FULL	SPRING 10
TCAT	Extension	FULL	WINTER 10
Charlton Arms	residential mixed use	FULL	WINTER 10
Southwater Civic	civic office	RM	WINTER 10
Southwater	events box	RM	AUTUMN 10
Southwater	Enabling Works	RM	SUMMER 10
Southwater TIC	Landscaping	RM	WINTER 10
Southwater	Public Realm	RM	WINTER 10
Southwater	Visitor Centre		SUMMER 10
Lightmoor 3/4	Residential	RM	
Leaton Quarry	Minerals	FULL	SUMMER 10
Newdale Ponds	Habitat ponds	FULL	SPRING 10
Dawley	earthworks	FULL	SPRING 10
Town Park	ecological habitats	FULL	SPRING 10
Telford Motor Spares	9 houses	FULL	SPRING 10
Wrekin Road Wellington	change of use 4 9 New Dwellings	FULL	SPRING 10
TIC		FULL	SPRING 10
Donnerville Gardens	4 dwellings	FULL	SPRING 10
Huntsman Little Wenlock	4 dwellings	FULL	incomplete
9 Park Street Madeley	residential	FULL	SUMMER 10
Agropharm	Extension	FULL	SUMMER 10
Chapel Terrace	conversion		AUTUMN 10
Madeley Academy	Extension		AUTUMN 10
Windmill Primary	Sure Start centre		SUMMER 10
Queen Street Madeley	6 dwellings	FULL	AUTUMN 10
Church Walk	4 dwellings	FULL	AUTUMN 10
High Street, Dawley	4 dwellings / 1 commercial	FULL	WINTER 10
Alexandra Road	residential	OUT	WINTER 10
Sainsbury's	Extension	FULL	WINTER 10
The Mount, Wellington	Residential	FULL	WINTER 10
Town Park	Visitor Centre	FULL	WINTER 10
69 Admaston Road	Residential	FULL	WINTER 10
Prince Ed Crescent	13 dwellings	RM	WINTER 10
Eyton House Farm	Agric Bldg	FULL	WINTER 10
Hillside, Arleston	Residential		WINTER 10

TMC Phase 2	140 dwellings	RM	SUMMER 10
Capewell works	350 dwellings	RM	SUMMER 10
Lawley Phase 4	Commercial	RM	WINTER 10
Lawley Phase 3/4	Engineering	RM	SUMMER 10
Shifnal Road	75 dwellings	FULL	WINTER 10
Brookside	10 dwellings	OL	SUMMER 10
St Georges by pass	65 v	OL	SUMMER 10
Red Hill	Reserved Matters	RM	SPRING 10
Stockton Grange	Dairy Building	FULL	SPRING 10
Rosebay W' Wood	3 dwellings	FULL	SPRING 10
Adams Grammar	Food Tech Block	FULL	SPRING 10
Churchill Drive Ketley Bank	13 Units	OL	SPRING 10
North Lynn Manor Newport	Potatoes Store	FULL	SPRING 10
Harper Adams	pig buildings	FULL	SPRING 10
17 Holyhead Road Ketley	Residential	FULL	SUMMER 10
Watkins Nursery	Residential	FULL	SUMMER 10
Woodlands Farm Horsehay	4 dwellings	FULL	SUMMER 10
4 Station Hill, St Georges	4 dwellings	FULL	WINTER 10
Redhill	50 units		WINTER 10
Redhill	outline		WINTER 10
Pidgeon Box	27 units	FULL	WINTER 10
29 Park St Madeley		FULL	WINTER 10
Trench Lock KFC		FULL	WINTER 10
Trench Lock retail	2 blocks	FULL	WINTER 10
Audley Ave	remodelling land		WINTER 10
Lawley Farm	Residential	RM	WINTER 10
Ironstone	Infrastructure	RM	WINTER 10
Hadley Castle	Building	FULL	WINTER 10
Stafford Park	Extension	FULL	WINTER 10
Harper Adams	Building	FULL	WINTER 10

6 Air Quality Planning Policies

In accordance with the provisions of the EIA directive, Environment Team as a statutory consultee to the planning regime scrutinises large schemes to produce an Air Quality assessment to demonstrate the suitability of any proposals. The information submitted aids in the determination to the planning application itself, and this modelled data will be inputted into the next USA.

7 Local Transport Plans and Strategies

The Transport Act 2000 requires all Highway Authorities to produce a LTP which sets out a strategy and action plan for improving local transport.

The third LTP for Telford and Wrekin has now been prepared and sets out how we plan to manage, maintain and develop the borough's transport network over the period 2011 to 2026.

This covers all forms of travel including car and motorcycle based travel, public transport, walking and cycling.

The LTP3 is comprised of two parts:

- A Strategy setting out the policies. This will be periodically reviewed
- An Implementation Plan setting out a programme of works that will deliver the Strategy. This will be reviewed every 3 years.

For the full report please click the link below.

http://www.telford.gov.uk/site/scripts/download_info.aspx?downloadID=543&fileID=2345

8 Climate Change Strategies

As a community leader, Telford & Wrekin Council is committed to reducing our environmental impacts and to take a lead role in tackling climate change across the borough.

Most of the energy that the Council consumes comes from heating and powering the almost 200 buildings that we operate. This includes schools, offices and leisure centres, but also the 22,850 street lights across the borough. We also use energy for transport and indirectly through outsourced services such refuse collection and highway maintenance. To address this we launched our strategy 'A Climate for Change' in 2008 and have been working ever since to reduce our carbon footprint. In March 2011 DEFRA and DECC requested that local authorities use a new standardised model for reporting green house gas emissions based on three different emission scopes.

Key achievements include:

- Implemented a Sustainable Procurement Policy
- Installed numerous renewable energy technologies across our estate including:
    - 15 biomass boilers
    - 4 small wind turbines
    - Solar thermal and PV arrays
    - CHP at Oakengates Leisure Centres
- Developed energy awareness programmes in schools
- Rolled out smart meters across our estate
- Trialled biomass in fleet vehicles
- Promote sustainable transport methods via:
    - Journey share scheme for employees
    - Cycle to work scheme
- Implemented office recycling scheme
- Numerous lighting and heating upgrades
- Installed voltage optimisation technology at key sites
- Automatic switch off software for ICT

9 Conclusions and Proposed Actions

9.1 Conclusions from New Monitoring Data

The monitoring data from the last reporting period (culminating with the USA in 2009) and continued monitoring from that point onwards show that the air quality within the Borough is still excellent, with no Air Quality Objective exceedances. The trend in the monitoring data (of NO_2) shows a decrease in levels. Levels of SO_2, and PM_{10} are also below the air quality objectives. Therefore there is no need to progress onto a detailed assessment.

9.2 Conclusions relating to New Local Developments

For all new developments likely to have an impact upon on air quality, there is a requirement for the applicant under the planning process to provide an air quality assessment. These developments (see list above) and their impact on the local air quality need to be assessed during the next USA.

9.3 Other Conclusions

Telford & Wrekin Council Local Planning Authority have established Strategic Assessment Workshops (SAWs) in order to effectively deal with pre-application discussions between large scale developers and statutory consultees. The aim of this is to ensure that the appropriate level of consideration and detail is provided prior to submission large schemes. This of course includes air quality.

9.4 Proposed Actions

The monitoring data for the period has shown that air quality within the Borough is still excellent, with no exceedances of any of the Air Quality Objectives. There is, therefore, no need to proceed to a detailed assessment.

With regards to the diffusion tubes, a decision has been made whereby the Council will stop using them to monitor NO2 within the Borough. This decision was principally because the air quality within the Borough is excellent, and given the budgetary constraints the Council is in, that monitoring of this sort it currently unnecessary. This decision will be revisited in the future.

The next task will be the submission of this report, and then the Council will start the process of gathering the required data to feed into the upcoming USA. It has been decided that Telford & Wrekin Council will not be submitting a joint USA with the bordering Local Authority's, given the creation of one Unitary Authority in the rest of Shropshire. There are a number of reasons for this decision, namely:-

- There is a cost saving for Telford & Wrekin Council
- Unlike the bordering Shropshire Council, Telford & Wrekin Council does not have any AQMA's within its administrative boundary.

This will not affect information sharing between Telford & Wrekin Council and bordering Authorities.

10 References

DEFRA 2009: Local Air Quality Management Technical Guidance LAQM.TG(09) http://archive.defra.gov.uk/environment/quality/air/airquality/local/guidance/documents/laqm-policy-guidance-part4.pdf

The Air Quality (England) Regulations 2000 SI928
http://www.legislation.gov.uk/uksi/2000/928/contents/made

The Air Quality (England) (Amendment) Regulations 2002 SI 3043
http://www.legislation.gov.uk/uksi/2002/3043/contents/made

Appendices

Appendix A: QA/QC Data

Diffusion Tube Bias Adjustment Factors

The nitrogen dioxide diffusion tubes used were 50% TEA in acetone preparation method and were supplied and analysed by Gradko Laboratories, Winchester. Gradko Laboratories are UKAS accredited. Maps and descriptions of the diffusion tube monitoring locations can be found in Appendix 1. The tubes at all locations throughout the Telford and Wrekin area have a monthly exposure period. All operating staff are fully trained and follow the monitoring procedures provided in the UK Nitrogen Dioxide Diffusion Tube Network Instruction Manual.

The following diffusion tube bias adjustment factors were derived from the Review and Assessment Website national bias adjustment factor database (v.03/10) (http://www.uwe.ac.uk/aqm/review/index.html). 2011's bias adjustment factor was derived from the National Diffusion Tube Bias Adjustment Factor Spreadsheet v07/12, which was available from http://laqm.defra.gov.uk/bias-adjustment-factors/national-bias.html.

Factor from Local Co-location Studies (if available)

As the national bias adjustment factors are based on so few studies, consideration has been given to also using local bias adjustment factors. Telford and Wrekin Council has triplicate diffusion tubes situated within the Borough. As there were no collocated automatic monitoring stations within the Borough, then a decision was used to utilise the national values calculated from the national diffusion tube bias adjustment factor, which was 1.03.

Diffusion Tube Short-term Monitoring Adjustment Factors

Values only needed to be calculated for two sites; 11 Elephant & Castle, and 19 Adeney. These were calculated using data from the following automatic monitoring sites; Aston Hill, Birmingham Tyburn, Stoke-on-Trent Centre and Wrexham. Ratios were calculated for each period, and the average of these ratios was used to determine the adjustment factor. These were 1.14 for 11 Elephant & Castle, and 1.08 for 19 Adeney.

Table A2.1 Percentage data capture for NO_2 Diffusion Tubes 2007-2010

Site Name	2007 %	2008 %	2009 %	2010 %
1 Holmer Lake	92%	100%	100%	92%
2 Cygnet Drive	100%	100%	100%	100%
3 Cygnet Drive	100%	100%	100%	100%
4 Cygnet Drive	100%	100%	100%	100%
5 Aqueduct	75%	83%	67%	92%
6 Aqueduct	75%	83%	67%	92%
7 Ironbridge	100%	92%	100%	100%
8 Bush House	92%	100%	100%	100%
9 Bush House	92%	100%	100%	100%
10 Bush House	92%	100%	100%	100%
11 Elephant & Castle	92%	92%	83%	67%
12 The Russetts	100%	100%	100%	100%
13 The Russetts	100%	100%	100%	100%
14 The Russetts	100%	100%	100%	100%
15 Wellington Solicitors	100%	100%	100%	100%
16 17, Castle Street	100%	100%	100%	100%

17 17, Castle Street	100%	100%	100%	100%
18 17, Castle Street	100%	100%	100%	100%
19 Adeney	100%	75%	100%	83%
20 Priorslee	83%	83%	92%	92%

Appendix B:

Automatic Monitoring

QA/QC of the automatic monitoring stations is carried out by E.ON and UK Coal following their own methodologies.

Automatic Stations Short-term Monitoring Adjustment Factors

Values only needed to be calculated for two sites; 11 Elephant & Castle, and 19 Adeney. These were calculated using data from the following automatic monitoring sites; Birmingham Tyburn, Liverpool Speke, Salford Eccles and Stoke-on-Trent Centre. Ratios were calculated for each period, and the average of these ratios was used to determine the adjustment factor. This was 0.81.

Appendix C:

List of Environmental Permitted Establishments

Part B Processes	
Severn Valley Packaging Ltd.	A3-A9, Halesfield 11, Halesfield Industrial Estate, Telford, Shropshire, TF7 4PH
GKN Aluminium Structures Ltd.	Hadley Castle Works, Parkdale, Hadley, Telford, Shropshire, TF1 6RE
Elite Precast Concrete Ltd.	Unit L, Halesfield 9, Halesfield, Telford, Shropshire, TF7 4QW
UK Coal Ltd.	Huntington Lane Surface Mine, Little Wenlock, Telford, Shropshire
TAFS (Salop) Ltd.	Industrial Works, Gower Street, ST Georges, Telford, Shropshire, TF2 9BQ
TCL Packaging Ltd.	Unit C7/C8, Hortonwood 10, Hortonwood Industrial Estate, Telford, Shropshire, TF1 4ES
Supreme Concrete Ltd.	Tweedale North Industrial Estate, Madeley, Telford, Shropshire, TF7 4JR
KN Wheels Ltd.	Beveley Road, Oakengates, Telford, Shropshire, TF1 4DS
Bischof & Klein (UK) Ltd.	Unit C-D, Hortonwood 2, Hortonwood, Telford, Shropshire, TF1 7XX
Defence Support Group	Building C8, BOD Donnington, New Trench Road, Trench, Telford, Shropshire, TF2 8JT
Tarmac Central Ltd.	Yard 15, Trench Lock 2, Trench Lock, Telford, Shropshire, TF1 5SW
Webster Wilkinson Ltd.	Halesfield 10, Halesfield, Telford, Shropshire, TF7 4QP
Cropac	Unit F, Halesfield 19, Halesfield, Telford, Shropshire, TF7 4QT
Precision Colour Printing Ltd.	Halesfield 1, Halesfield, Telford, Shropshire, TF7 4QQ
Ricoh (UK) Products Ltd.	Shifnal Road, Priorslee, Telford, Shropshire, TF2 9NS
Denso Manufacturing UK Ltd.	Hortonwood, Telford, Shropshire, TF1 7FS
Madeley Brass Castings	Unit B8, Court Works Industrial Estate, Bridgnorth Road, Telford, Shropshire, TF7 4JB

Link Lockers Ltd.	Halesfield 20, Halesfield, Telford, Shropshire, TF7 4LN
Grange Fencing Ltd.	Site One, Halesfield 21, Halesfield, Telford, Shropshire, TF7 4NX
Grange Fencing Ltd.	Site Two, Halesfield 21, Halesfield, Telford, Shropshire, TF7 4NX
Lafarge Aggregates Ltd.	Halesfield 23, Halesfield, Telford, Shropshire, TF7 4NY
Wrekin Shell Mouldings Ltd	Unit D1 - D2, Halesfield 21, Halesfield, Telford, Shropshire
Cemex UK Materials Ltd.	Ready Mixed Concrete, Canongate, Oakengates, Telford, Shropshire, TF2 9JX
Weber	Halesfield 25, Halesfield, Telford, Shropshire, TF7 4PD
CeDo	Poly Lina, Halesfield 11, Halesfield, Telford, Shropshire, TF7 4LZ
Telford Crematorium Ltd.	Woodhouse Lane, Redhill, Telford, Shropshire
Telford Copper Cylinders Ltd.	Haybridge Industrial Estate, Haybridge Road, Wellington, Telford, Shropshire, TF1 2DF
Link 51	Halesfield 6, Halesfield Industrial Estate, Telford, Shropshire, TF7 4LN
Besblock Limited Site 1	Halesfield 22, Halesfield, Telford, Shropshire, TF7 4NF
Besblock Limited Site 2	Halesfield 21, Halesfield, Telford, Shropshire, TF7 4NF
Ennstone Johnston Limited	(Quarrying) Leaton Quarry, Overley Jcn (B5061) - Leaton Grange, Wrockwardine, Telford, Shropshire, TF6 5HB
Ennstone Johnston Ltd.	(Cement batching) Leaton Quarry, Overley Jcn (B5061) - Leaton Grange, Wrockwardine, Telford
Ennstone Johnston Ltd.	(Roadstone) Leaton Quarry, Overley Jcn (B5061) - Leaton Grange, Wrockwardine, Telford
TTI Nitriding Services Ltd.	Hortonwood 40, Hortonwood, Telford, Shropshire, TF1 7YU
Foilex Ltd.	Pegasus Court, Stafford Park 7, Stafford Park Industrial Estate, Telford, TF3 3EP
F.P. McCann Limited	Johnston Pipes Limited, St Lukes Road, Doseley, Telford, Shropshire, TF4 3BX
Wellings Ltd.	Recycling House, Rock Road, Ketley, Telford, Shropshire, TF1 5HW

John G Russell (Transport) Ltd	Telford Railfreight Park, Hortonwood, Telford, Shropshire, TF1 7GA
Classic Furniture Group Ltd.	Units 10a, 10b, 11, 12, 13, 14, 15 & 17, Audley Avenue, Business Park, Audley Avenue, Newport, Shropshire, TF10 7BX
Dry Cleaners	
Timpson Ltd.	C/o Sainsbury's Unit 8, Telford Forge Retail Park, Colliers Way, Old Park, Telford, Shropshire, TF3 4AG
Madeley Laundry & Dry Cleaning	29A Park Street, Madeley, Telford, Shropshire, TF7 5LB
Pritchards Of Shropshire Ltd.	22-24 Haygate Road, Wellington, Telford, Shropshire, TF1 1QA
Pritchards Of Shropshire Ltd	6 High Street, Newport, Shropshire, TF10 7AN
Peter Posh Ltd	Unit D3, Stafford Park 11, Stafford Park, Telford, Shropshire, TF3 3AY
Creases Dry Cleaners	1 The Parade, Donnington, Telford, Shropshire, TF2 8EQ
Petrol Filling Stations	
Arina Ltd.	Shawbirch Service Station, Shawbirch Road, Shawbirch, Telford, Shropshire, TF5 0AD
ASDA Stores Ltd	Asda Petrol Filling Station, Grange Central, Town Centre, Telford, Shropshire, TF3 4AE
Morrison's	Morrison's Petrol Filling Station, Spring Hill, Wellington, Telford, Shropshire, TF1 1RP
Moundway Petrol Filling Station	Parkway, Madeley, Telford, Shropshire, TF7 5RQ
Red Lion Service Station	Holyhead Road, Wellington, Telford, Shropshire, TF1 2EW
J Sainsbury PLC	Sainsbury's Petrol Filling Station, Colliers Way, Old Park, Telford, Shropshire, TF3 4AG
Furrows Ltd.	Furrows Petrol Filling Station, Haybridge Road, Wellington, Telford, Shropshire, TF1 2DF
Trench Lock 24/7 Petrol Filling Station	Trench Lock 24/7 Petrol Filling Station, Trench Lock, Hadley, Telford, Shropshire, TF1 6SX

Shell UK Ltd.	Shell Walkers Clock, Petrol Filling Station, School Road , Donnington, Telford, Shropshire, TF2 8JY
Shell UK Ltd.	Shell Ketley, Petrol Filling Station, Holyhead Road, Oakengates, Telford, Shropshire, TF1 5DY
Shell UK Ltd	Shell Stirchley, Petrol Filling Station, Stirchley Avenue, Stirchley, Telford, Shropshire, TF3 1QU
Shell UK Ltd	Shell Lower Bar , Petrol Filling Station, Lower Bar, Newport, Shropshire, TF10 7JA
Murco Petroleum Ltd	Murco Petrol Filling Station, Sutton Hill Roundabout To Brockton Roundabout, Sutton Hill, Telford
ASDA Stores Ltd	Petrol Filling Station, Asda Stores Limited, St Georges Road, Donnington, Telford, Shropshire, TF2 7RX
Furrows Limited	Furrows Petrol Filling Station, Kemberton Road, Halesfield, Telford, Shropshire, TF7 4QS
NIX Service Station	Nix Service Station, Forton Road, Newport, Shropshire, TF10 7JR
Tesco Stores Ltd.	Tesco Filling Station, Wrekin Retail Park, Whitchurch Drive, Telford, Shropshire, TF1 2DE
Small Waste Oil Burners	
McPhillips (Wellington) Limited	Horton House, Hortonwood 50, Hortonwood, Telford, Shropshire, TF1 7FG
Hadley Test & Repair	1 High Street, Hadley, Telford, Shropshire, TF1 5PA
Dynorod	Unit F6, Halesfield 23, Halesfield, Telford, Shropshire, TF7 4NY
Peter Morris Cars	Wrekin Road, Wellington, Telford, Shropshire, TF1 1QZ
New Inn Garage	Trench Road, Trench, Telford, Shropshire, TF2 6PF
Vehicle Refinisher	
Furrows (Telford) Ltd.	Haybridge Road Industrial Estate, Haybridge Road, Wellington, Telford, Shropshire, TF1 2DF
Autocraft Telford	Unit 6, Gower Street Trading Estate, Gower Street, St. Georges, Telford, Shropshire, TF2 9HW
SIM Vehicle Consultancy Ltd	Units 8-9, Hadley Park Industrial Estate, Hadley Park Road, Hadley, Telford, Shropshire, TF1 6PY

Doseley Motors Ltd	Springhill Road, Dawley, Telford, Shropshire, TF4 2NJ
G S Unwin Body Centre Ltd	Unit B, Hortonwood 31, Hortonwood, Telford, Shropshire, TF1 7GS
Autocraft Telford	Units 1-2, Hortonwood 33, Hortonwood, Telford, Shropshire, TF1 7EX
Part A2 Processes	
TCL Packaging Ltd	Units C5-C9, Hortonwood 10, Hortonwood, Telford, Shropshire, TF1 7ES
W. Corbett & Company (Galvanizing) Ltd.	New Alexandra Works, Halesfield 1, Halesfield Industrial Estate, Telford, Shropshire, TF7 4QQ
Blockleys Brick Ltd	Sommerfeld Road, Trench Lock, Telford, Shropshire, TF1 5AF
Metokote UK Ltd	Hadley Castle Works, Parkdale, Hadley, Telford, Shropshire, TF1 6AA
Mahle Filter Systems UK Ltd	Halesfield 25, Halesfield, Telford, Shropshire, TF7 4PD
GKN Off Highway Systems Ltd	Hadley Castle Works, Parkdale, Hadley, Telford, Shropshire, TF1 6RE
GKN Autostructures	Hadley Castle Works, Parkdale, Hadley, Telford, Shropshire, TF1 6RE
Aga Consumer Products Ltd.	Coalbrookdale Co Ltd, Wellington Road, Coalbrookdale, Telford, Shropshire, TF8 7DX
Joseph Ash Galvanizing Telford	Stafford Park 6, Stafford Park Industrial Estate, Telford, Shropshire, TF3 3AT