



Air Quality Progress Report

April 2008

**Submitted as a requirement of the Environment Act 1995 Part IV
and the Air Quality Regulations**

**Environmental Protection
Services for the Environment
Carrick District Council
Carrick House
Pydar Street
Truro
Cornwall
TR1 1EB**

CONTENTS

Table of Contents		Page Number
1	Introduction	3
1.1	Overall aims of a Review and Assessment Progress Report	3
2	Legislative Background	6
3	New Monitoring Results	8
3.1	Monitoring data summary	10
4	New local developments	10
4.1	New development summary	12
5	Review and Assessment Progress Report - Recommended additional elements	12
6	Review and Assessment Progress Report Conclusions	13
	Appendix 1: Tregolls Road, Truro Diffusion Tube Locations	14
	Appendix 2: Truro/Highertown Diffusion Tube Location Maps	15
	Appendix 3: Tregolls Road Survey Diffusion Tube Data	16
	Appendix 4: Tregolls Road Survey Continuous Monitor Data	17
	Appendix 5: Truro/Highertown Diffusion Tube Data	18
	Appendix 6: Truro and Threemilestone Air Action Plan Map	19

List of Tables		Page Number
	Table 1: Minimum reporting requirements	3
	Table 2: Recommended additional reporting requirements	4
	Table 3: Objectives of Air Quality Regulations 2000 as amended	7
	Table 4: Monitoring summary for Carrick District Council	8
	Table 5: New local developments with potential to affect air quality in Carrick	11
	Table 6: Recommended additional elements for Carrick District Council	12

1 Introduction

This document has been prepared as a requirement under Part IV of the Environment Act 1995 and subsequent Regulations. Progress reports are required to be undertaken in the years when the Authority is not carrying out Updating and Screening Assessments or Detailed Assessments.

The overall aim of this document is to report on the ongoing implementation of Local Air Quality Management in Carrick District Council, and progress made in maintaining concentrations below the air quality objectives. In particular it identifies monitoring data collected since the submission of the Updating and Screening Assessment 2006 and the Progress Report 2007.

1.1 Overall aims of a Review and Assessment Progress Report

This Progress Report has two main aims, as follows:

- To report on progress being made with the implementation of (LAQM) in Carrick District Council, and
- To report on progress in achieving and maintaining concentrations below the air quality objectives.

New monitoring data within Carrick District Council and new developments that might affect local air quality are the focus of this report, and are the minimum requirements for Review and Assessment Progress Reporting purposes. Each is considered in turn, using the Progress Report Checklist made available by government on their air quality Review and Assessment Helpdesk Website (www.uwe.ac.uk/aqm/review). Table 1 below provides an indication of what is expected of local authorities in their progress reporting.

Table 1: Minimum reporting requirements

Monitoring data	The minimum requirement is to report monitoring data and trends over recent years. To maximise the value of air quality monitoring, careful attention should be paid to the type of equipment used and the locations where the monitors are placed, as well as the QA/QC and data verification procedures.
New developments	A consideration of new development with the potential to affect local air quality (mainly through the generation of traffic or the introduction of relevant exposure), such as residential developments, industrial processes, retail premises, roads and quarries.

In addition to the minimum requirements, the government recommends that local authorities report upon a number of additional elements in their Progress Reports. These additional elements are listed in Table 2.

Table 2: Recommended additional reporting requirements

Additional monitoring data	Projecting the measured concentrations forward to the objective years is helpful in providing early indication of likely exceedences that may not have been previously identified. Local authorities may also find it helpful to report on their monitoring for pollutants not covered by the regulations, e.g. ozone, polycyclic aromatic hydrocarbons (PAH), as well as other air quality data, i.e. odour complaints, dust deposition, radiation monitoring.
Air Quality Action Plans	Any progress on the implementation of Air Quality Action Plans where appropriate.
Local or Regional Air Quality Strategies	Government guidance strongly recommends that all authorities, particularly those without AQMAs but who have areas close to the exceedence levels, should consider drawing up a Local Air Quality Strategy. Progress Reports provide the opportunity for local authorities to report on the development of local or regional strategies. Local authorities should report upon the extent to which the local authority has developed or implemented an air quality strategy, how to access the strategy and when the strategy is to next be reviewed (as appropriate).
Planning policy	Any relevant updates on planning policies that relate specifically to air quality. Policies within Local Development Frameworks (formally Local Plans) determine the local authority approach to the relationship between planning and air quality, with new developments judged against these policies. Reference to any supplementary planning guidance to address air quality matters should be referenced.
Planning applications	A list of planning applications that have the potential to affect local air quality should be provided. The land-use planning system is recognised as playing an integral part in improving air quality. This requires close co-operation between planners and Environmental Health Officers. Some local authorities have developed procedures

	<p>to help ensure that planning applications that might have impacts on air quality are forwarded to the Environmental Health department for comment.</p> <p>Review and Assessment Progress Reports, provide the opportunity to log planning applications for new developments to give a picture of areas where changes may take place and where combined impacts from several developments may become important. The information provided should therefore include a list of any major developments under consideration that might affect air quality. Such a list could be based on those applications for which an Air Quality Assessment has been provided or for which an Air Quality Assessment has been requested.</p>
<p>Local Transport Plans and Strategies</p>	<p>Progress on implementing those elements of the Local Transport Plan (LTP) that might affect air quality should be provided.</p> <p>Measures to improve air quality on a local scale are closely related to the LTP. Local authorities should reference those measures within the LTP that relate specifically to bringing about air quality improvements. Local authorities should also report on any other measures aimed at addressing transport-related air quality issues that have not been (or will not be) reported in the LTP Annual Progress Report.</p>

2. Legislative Background

The local air quality management system was introduced under the Environment Act 1995 and subsequent Regulations. The legislation has introduced a series of Air Quality Objectives to be achieved by specified dates. Where it is considered likely that there could be a significant exceedence of the standards for the key pollutants concerned, measures to reduce the potential concentrations of the pollutants are to be implemented to protect human health and the environment in the longer term.

The air quality objectives to be achieved are specified in the Air Quality Regulations 2000 and Air Quality (England) (Wales) (Amendment) Regulations 2002 and summarised in the Table 3 on the following page:

Table 3: Objectives of the Air Quality Regulations 2000 and Air Quality (England) (Wales) (Amendment) Regulations 2002

AIR QUALITY OBJECTIVE			
POLLUTANT	Concentration	Measured as	Date to be achieved by
Benzene	16.25µg/m ³	Running annual mean	31/12/2003
	5µg/m ³	Annual mean	31/12/2010
1, 3 – Butadiene	2.25µg/m ³	Running annual mean	31/12/2003
Carbon Monoxide	10mg/m ³	Maximum daily Running 8-hour mean	31/12/2003
Lead	0.5µg/m ³	Annual mean	31/12/2004
	0.25µg/m ³	Annual mean	31/12/2008
Nitrogen dioxide	200µg/m ³ not be exceeded more than 18 times a year	1 hour mean	31/12/2005
	40µg/m ³	Annual mean	31/12/2005
Particles (PM¹⁰) gravimetric	50µg/m ³ not be exceeded more than 7 times a year	24 hour mean	31/12/2004
	40µg/m ³	Annual mean	31/12/2004
	50µg/m ³ not to be exceeded more than 7 times a year	24 hour mean	31/12/2010
	20µg/m ³	Annual mean	31/12/2010
Sulphur dioxide	350µg/m ³ not to be exceeded more than 24 times a year	1 hour mean	31/12/2004
	125µg/m ³ not to be exceeded more than 3 times a year	24 hour mean	31/12/2004
	266µg/m ³ not to be exceeded more than 35 times a year	15 minute mean	31/12/2005

µg/m³ (micrograms per cubic metre)

mg/m³ (milligrams per cubic metre)

3. New Monitoring Results

This report provides a summary of all available monitoring data since the 2007 Progress Report in a suitable format for comparison with the relevant air quality objectives. The Air Quality Unit (AQU) of Cornwall College are employed by Carrick District Council to manage the Nitrogen Dioxide Diffusion tube sites and a real time NO₂ monitor in the City of Truro which is within the Carrick District. The diffusion tubes used are 20% triethanolamine (TEA)/water supplied and analysed by Gradko International Ltd. The following information has been included:

- Maps and details of the monitoring locations (Appendices 1 and 2);
- A summary table that allow a comparison with the air quality objectives (see Table 4)
- Appendices 3 to 5 present the NO₂ diffusion tube data for Carrick District Council. The means have been bias adjusted and projected forward to 2010 in accordance with LAQM.TG(03)

Table 4: Monitoring summary for Carrick District Council

Carbon monoxide (CO)	Carrick District Council does not carry out any Carbon Monoxide monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.
Benzene	Carrick District Council does not carry out any Benzene monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.
1,3-butadiene	Carrick District Council does not carry out any 1.3-butadiene monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.
Lead (Pb)	Carrick District Council does not carry out any lead monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.
Nitrogen dioxide (NO₂)	Carrick District Council has carried out monitoring of NO ₂ using diffusion tubes at 16 locations and at one location with a Real Time Monitor since the 2007 Progress Report. NO₂ Diffusion Tubes: The diffusion tubes are supplied and analysed by Gradko International Ltd,

Winchester, Hampshire which is an UKAS (NAMAS) accredited laboratory. Gradko tube preparation is 20% triethanolamine (TEA)/water. The tubes were stored and deployed according to the manufacturer's instructions and returned to the company for analysis on the day of collection. The tubes have a monthly exposure period. The bias adjustment factor calculated from the bias adjustment spreadsheet was 0.89 (<http://www.uwe.ac.uk/aqm/review/diffusiontube>). Further details of the tube locations and results can be found in Appendices 1 to 6. The annual mean NO₂ objective of 40µg/m³ was exceeded at 5 sites throughout Truro which are listed below.

1. Tube 2 Benallack Court 2007/08 mean **42.7µg/m³**. See Appendix 3, Table 1.
 2. Tube 4 Tregolls Road MEAN 2007/08 mean **45.9µg/m³**. See Appendix 3, Table 1.
 3. Tube 1 Morlaix Avenue 2007 annual mean **55µg/m³**. See Appendix 5, Table 1
 4. Tube 4 Highertown 2007 annual mean **56.7µg/m³**. See Appendix 5, Table 1
- Relevant public exposure as defined by LAQM.TG(03) does not occur at the site identified in points 3 and 4.
 - Relevant public exposure as defined by LAQM.TG (03) is likely to occur at points 1 and 2.
 - These tubes are from the Tregolls Road Survey (Appendix 1 for maps and Appendices 3 and 4 for data) but are only kerbside and roadside tubes and do not necessarily reflect the levels of NO₂ at the façade of the nearest residential properties.
 - In April 2008 a tube (tube 6 Tregolls Road Survey Appendix 3) was located on the façade of one of the nearest residential properties to assess whether the annual mean objective would be exceeded at this point.
 - The 2007 mean of the real time monitor is 33.1µg/m³ (Appendix 4, Table 4) and the 2008 mean of the data so far retrieved from the real time monitor is 33.8µg/m³(Appendix 4, Table 4).
 - The total mean of the NO₂ data obtained from the real time monitor between April 2007 and June 2008 is 32.2µg/m³.
 - Carrick District Council will continue monitoring at the locations referred to above and review the data in the Updating and Screening Assessment 2009.

Particulates (PM₁₀)	Carrick District Council does not carry out any PM ₁₀ monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.
Sulphur dioxide (SO₂)	Carrick District Council does not carry out any sulphur dioxide monitoring. The Council's Updating and Screening Assessment 2006 did not identify any issues with this pollutant. Carrick District Council will review this pollutant again in their Updating and Screening Assessment 2009.

3.1 Monitoring data summary

- Carrick District Council manages a total of 16 NO₂ diffusion tubes sites. Study of the diffusion tube results identified 4 locations that will exceed the annual mean objective of 40.0µg/m³.
- Only 2 of these locations are likely to meet the definition of relevant public exposure in LAQM.TG(03). The Guidance states that it considers it is appropriate to measure at building facades to represent the relevant public exposure of residential properties close to busy roads. A tube (Tube 6, Tregolls Road Survey) has recently been placed on the façade of one of the nearest residential properties.
- The existing diffusion tube data suggests that the nitrogen dioxide annual mean objective will be exceeded at Tregolls Road while the real time data suggests it will not. The Council will undertake further assessment of the NO₂ levels at the façade of the closest residential properties in the area. The Council will also take advice from the AQU and the UWE helpdesk about the disparity between the diffusion tube and real time data at this site because it is likely that it will have to decide whether an Air Quality Management Area (AQMA) declaration needs to be made.
- However it should be noted that Local Government reorganisation is taking place in Cornwall and Carrick District Council will cease to exist as of 1st April 2009. It is proposed that any decision on whether the nitrogen dioxide data obtained in Truro is reliable enough to be able to declare an AQMA is made by the new unitary authority, Cornwall Council.

4. New local developments

This section considers any new developments and changes that have taken place, or are proposed, that may affect air quality. Such developments are logged so that they can be considered more thoroughly during the next full round of review and assessment. Table 5 provides details of relevant new developments in Carrick District Council.

Table 5: New local developments with potential to affect local air quality in Carrick District Council

New Part A/A2	Carrick District Council has identified one new A2 process of surface treatment of ships at Falmouth Docks. This involves cleaning and then spraying of paint on ships hulls, decks etc. It is considered that the potential materials released to air are adequately controlled by the environmental permitting regime and will not affect LAQM.
New Part B	Carrick District Council has identified one mobile crusher and 3 Dry Cleaners. It is considered that there is minimal potential for these processes to affect LAQM.
New residential development	Carrick District Council has identified no new residential developments that will significantly change traffic flows in the area at this time. However the Truro and Threemilestone Area Action Plan (Appendix 6) identifies areas being considered for new residential development. The plan is still in the public consultation stage so the Council will be following the progress of this plan to ensure it keeps track of any applications made which have the potential to affect air quality
New retail development	Carrick District Council has identified no new retail developments that will significantly change traffic flows in the area.
New road scheme	Carrick District Council has identified no new road schemes that will significantly alter traffic flows in the area. However the Truro and Threemilestone Area Action Plan (Appendix 6) proposes a road scheme which could have an affect on air quality in the area. The plan is still in the public consultation stage so the Council will be following the progress of this plan to check whether an application is made to implement this proposed road scheme.
New mineral development	Carrick District Council has identified no new mineral developments that will significantly change traffic flows or impact on local air quality.
New landfill development	Carrick District Council has identified no new landfill sites that have been granted planning permission, and which have nearby relevant exposure.
New mixed-use development	Carrick District Council has identified no new mixed use developments that will significantly change traffic flows in the area. However the Truro and Threemilestone Area Action Plan (Appendix 6) proposes mixed use developments which could have an affect on air quality in the area. The plan is still in the public consultation stage so the Council will be following the progress of this plan to check whether any applications are made which have the potential to affect air quality.

4.1 New development summary

There are no new developments of significance that will influence air quality in the Carrick District Council area.

5. Review and Assessment Progress Report – Recommended additional elements

The recommend additional elements are reported in Table 6 on the next page.

Table 6: Recommended additional elements for Carrick District Council

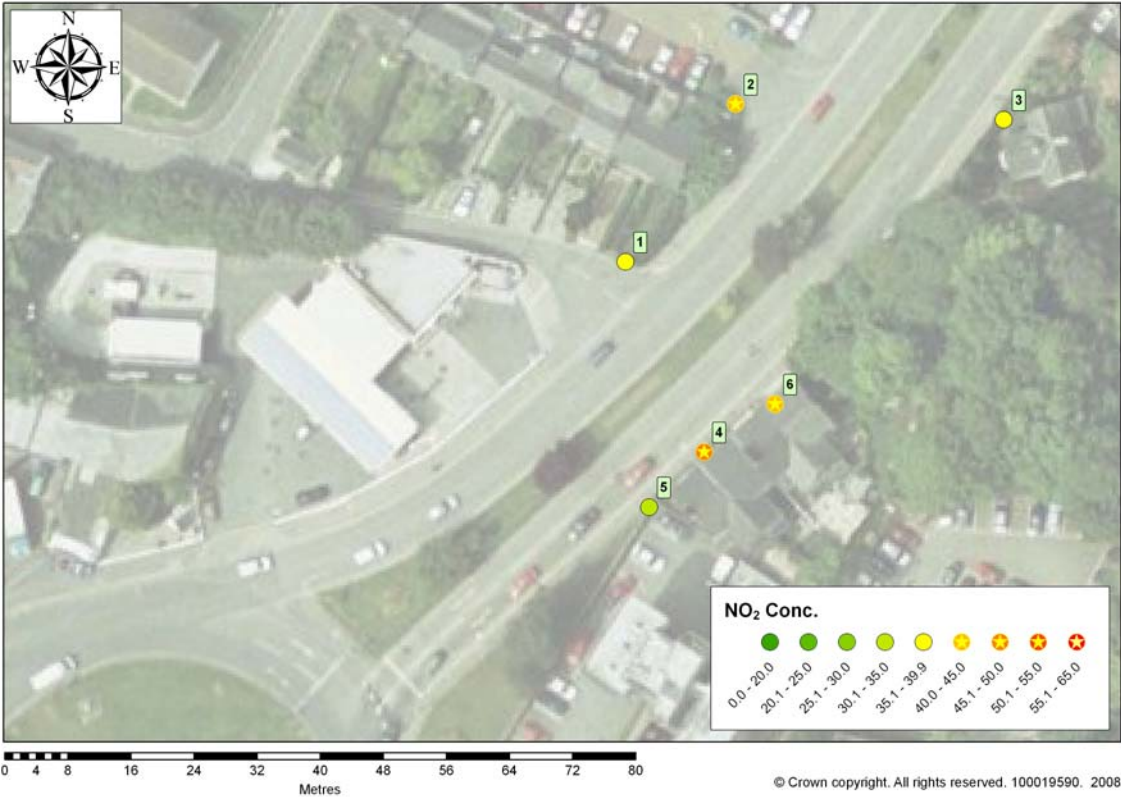
Additional monitoring data	No additional monitoring has been carried out by Carrick District Council.
Action Plans	Carrick District Council has not declared an AQMA and consequently it has not been necessary to produce an Air Quality Action Plan.
Local or Regional Air Quality Strategies	Carrick District Council is a member of the Cornwall Air Quality Forum which works in close partnership with the other Local Authorities in Cornwall. The Partnership produced a County wide Air Quality Strategy in 2004. With implementation of a Unitary Authority in Cornwall to take place on 1 st April 2009 it was felt at the most recent meeting of CAQF that any review of the Strategy would take place after the new Authority has been formed.
Planning policy	There is no Supplementary Planning Guidance (SPG) to address air quality matters currently available to the District.
Planning applications	There are no significant planning applications currently submitted in Carrick District Council. The council operates procedures to help ensure that planning applications that might have impacts on air quality are forwarded to the Environmental Health Department for comment. There are currently no major developments under consideration that might affect air quality.
Local Transport Plan	One of the four key 'shared' priorities of a Local Transport Plan is to reduce problems of air pollution. Local authorities should demonstrate progress in these identified priorities. Air Pollution is identified in two out of the five aims of Cornwall's Local Transport Plan 2006 – 2011. They are:

	<p>Transport Aim 3</p> <p>Reduce the growth of traffic congestion and transport related air pollution and improve public transport in Cornwall.</p> <ul style="list-style-type: none"> • Manage, maintain and improve the efficiency and effectiveness of the transport network. • Provide opportunities for travel choice. • Influence travel behaviour by raising awareness of the impact of transport on the environment and the health benefits of walking and cycling. <p>Transport Aim 5</p> <p>Reduce the impact of transport on Cornwall's natural, historic and built environment.</p> <ul style="list-style-type: none"> • Conserve and enhance the natural and historic environment by minimising the impacts of transport wherever possible through appropriate maintenance and design practices. • Conserve Cornwall's local distinctiveness by assisting in the delivery of sustainable tourism. • Reduce traffic related air and noise pollution. • Manage traffic related climate changing emissions.
--	---

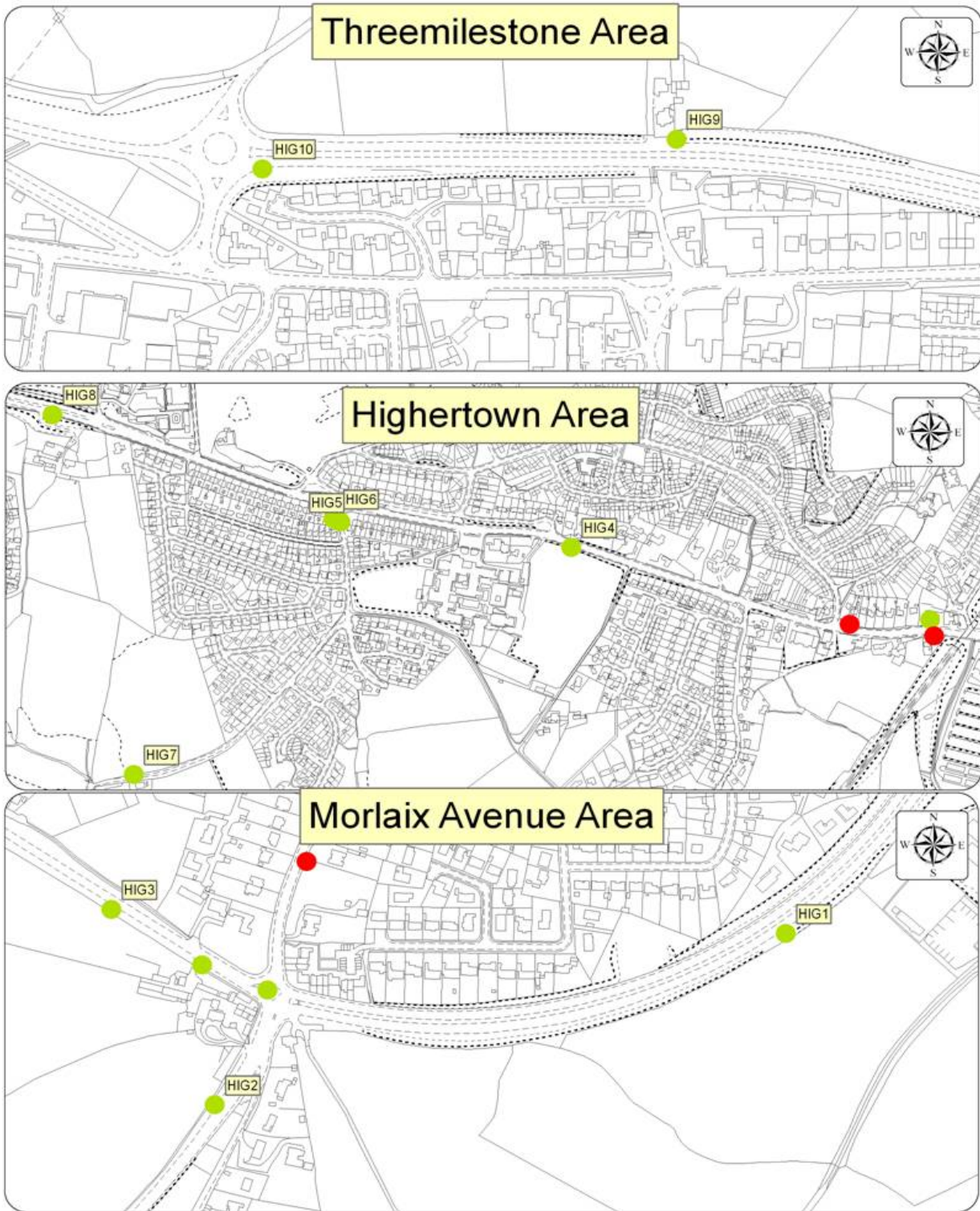
6. Review and Assessment Progress Report conclusions

- From the evidence provided in this report, the annual mean NO₂ objective is likely to be exceeded at 4 locations.
- The Council will continue to monitor in the areas discussed in this report.
- The Council recognises that the data suggests that consideration needs to be given to whether an Air Quality Management Area will have to be declared at Tregolls Road in Truro. However this decision will not be made before the new Unitary Authority is formed on 1st April 2009.
- No other exceedences of the air quality objectives have been identified for any pollutant.
- There are no new developments of significance that will influence air quality in the Carrick District Council area.

Appendix 1: Tregolls Road, Truro Diffusion Tube Locations (Real Time Monitor collocated with tubes at position 5)



Appendix 2: Truro/Highbertown Diffusion Tube Location Maps



Appendix 3: Tregolls Road Survey Diffusion Tube Data

Table 1 – Annual Data

Site	Site	Location	x	y	2007/08 (15month)	Projected 2010	2007 (9month)	Projected 2010	2008 (6month)	Projected 2010
863	TRE1	James Place (Roadside)	183060.000	44914.000	39.19	34.57	38.97	34.38	39.53	36.31
864	TRE2	Benallack Court (Roadside)	183070.000	44934.000	42.70	37.67	41.08	36.24	45.13	41.46
865	TRE3	Tregolls Road (Roadside)	183101.000	44932.000	37.59	33.16	35.91	31.68	27.57	25.33
866	TRE4	Tregolls Road (Roadside)	183067.000	44888.000	45.93	40.52	45.96	40.55	45.29	40.29
867	TRE5	Tregolls Road Collocated MEAN	183040.000	44865.000	34.61	30.53	36.39	32.10	31.95	29.87
868	TRE6	Adjacent to No: 8 (Façade)	183076.000	44896.000					40.89	36.07

Table 2 – 2007 Data

Site	Site	Location	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
863	TRE1	James Place	42.03	38.02	40.3	35.86	29.33	38.92	41.21	43.36	41.68
864	TRE2	Benallack Court	44.95	43.21	41.32	42.76	34.65	36.06	43.94	49.23	33.61
865	TRE3	Tregolls Road	42.75	38.63	36.71	38.23	29.93	32.29	36.69	37.43	30.54
866	TRE4	Tregolls Road MEAN	46.61	41.26	44.91	41.95	37.03	46.09	56.4	53.72	45.7
867	TRE5	Tregolls Road Collocated MEAN	42.84	33.29	39.58	32.08	29.48	38.05	39.17	42.74	30.29
868	TRE6	Adjacent to No: 8									

Table 3 – 2008 Data

Site	Site	Location	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
863	TRE1	James Place	45.89	47.43	37.69	35.99	37.81	32.39
864	TRE2	Benallack Court	45.54	52.04	40.11	45.12	44.59	43.37
865	TRE3	Tregolls Road	47.65	45.02	36.62	36.15		
866	TRE4	Tregolls Road MEAN	51.11	49.84	40.27	49.59	43.42	37.53
867	TRE5	Tregolls Road Collocated MEAN	37.49	38.33	26.09	31.26	27.33	31.18
868	TRE6	Adjacent to No: 8				41.71	45.9	35.07

Year	2008	2007
Bias Adjustment Factor	0.89	0.89

Appendix 4: Tregolls Road Survey Continuous Monitor Data

Table 1: Continuous Monitor vs. Diffusion Tube 2007

Site	Tube No:	Location	9 month Mean	Total Mean (07&08)	x	y	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
867	TRE5	Tregolls Road MEAN	36.4	35.9	183054.91	44877.05	42.84	33.29	39.58	32.08	29.48	38.05	39.17	42.74	30.29
864	TRESIG	Tregolls Road Monitor	32.9	32.2	183054.91	44877.05	31.74	29.09	27.05	27.55	32.13	40.14	38.46	37.76	33.06
864	TRESIG	Tregolls Road Monitor DC					94.00%	86.50%	91.20%	90.30%	93.20%	42.00%	84.80%	98.90%	88.50%

Table 2: Continuous Monitor vs. Diffusion Tube 2008

Site	Tube No:	Location	6 month Mean	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
867	TRE5	Tregolls Road MEAN	31.9	37.49	38.33	26.09	31.26	27.33	31.18
864	TRESIG	Tregolls Road Monitor	33.8	33.68	36.41	32.35	35.82	34.39	30.31
864	TRESIG	Tregolls Road Monitor DC		98.80%	94.40%	88.70%	76.80%	59.60%	68.50%

Table 3: Continuous Monitor Monthly Means

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007			40.46	34.58	29.25	29.33	25.77	32.58	36.37	39.65	38.16	33.25
2008	33.02	37.37	32.92	35.84	34.85	30.72						

Table 4: Continuous Monitor Annual Mean

All Data	2007	2008
33.2	33.1	33.8

Table 5: Continuous Monitor Data Capture

All Data	2007	2008
83.3%	85.50%	81.1%

Appendix 5: Truro/Highbertown Diffusion Tube Data

Table 1: 2007 Data

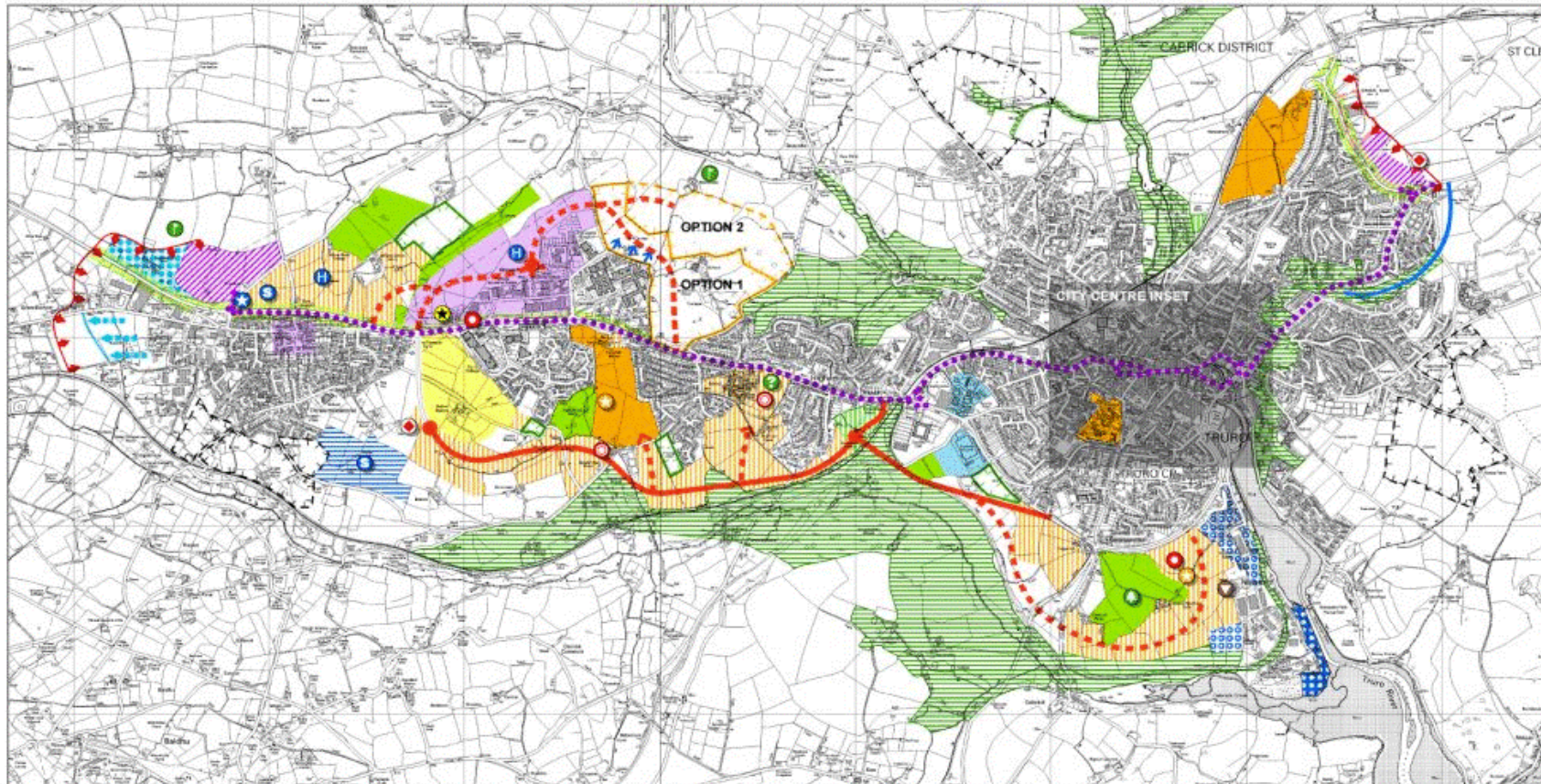
Site	Tube No:	Location	x	y	2007 Mean	Projected 2010	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
336	HIG1	Morlaix Avenue	182672.000	43956.000	55.00	48.52	50.03	52.27	48.73	45.89	50.28	42.30	58.08	66.82	67.53	56.75	81.87	39.45
337	HIG2	Arch Hill	182175.000	43799.000	30.08	26.54	19.77	25.49	26.11	39.00	27.16	24.66	28.36	35.30	35.29	34.65	41.96	23.22
339	HIG3	Green Lane	182085.000	43978.000	25.86	22.82	19.04	25.34	25.94	31.64	17.56	13.18	19.91	25.13	29.67	36.79	40.31	
340	HIG4	Highbertown	180576.000	44822.000	56.74	50.06	25.99	57.42	52.83	72.54	64.76	12.92	66.23		70.73	76.80	66.29	57.62
341	HIG5	Newbridge Lane	180192.000	44866.000	20.50	18.09	12.73	23.61	21.36	23.87	17.18	12.41	16.90	16.77	20.14	27.06	34.03	20.00
342	HIG6	Newbridge Lane	180180.000	44872.000	24.01	21.18	17.53	24.95	25.00	30.14	18.48	12.23	25.50	22.38	26.09	29.17	38.33	18.37
343	HIG7	Newbridge Lane	179848.000	44424.000	6.33	5.59	5.29	8.56	5.71	8.78	5.34	4.97	4.68	4.38	5.62	7.60	7.53	7.52
344	HIG8	Tresawls Road	179713.000	45054.000	26.84	23.68	18.07	21.24	26.68	29.52	23.64	18.66	23.59	27.89	30.64	31.38		43.91
345	HIG9	A390	178142.000	45149.000	29.87	26.35	24.59	31.04	18.54	31.67	33.48	35.43	15.27	27.32	31.08	43.29	37.13	29.54
346	HIG10	A390	177837.000	45126.000	25.44	22.44	22.10	25.24	21.49	30.89	19.41	20.51	22.28	22.00	27.59	33.16	38.25	22.34

Table 2: 2008 Data

Site	Tube No:	Location	x	y	2008 (6month)Mean	Projected 2010	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
336	HIG1	Morlaix Avenue	182672.000	43956.000	51.39	47.21	55.28	48.51	50.22	49.00	46.62	58.74
337	HIG2	Arch Hill	182175.000	43799.000	27.65	25.40	22.36	30.76	19.55	24.96	37.61	30.66
339	HIG3	Green Lane	182085.000	43978.000	33.10	30.40	57.73	30.80	17.53	28.08	42.55	21.90
340	HIG4	Highbertown	180576.000	44822.000	55.95	51.40	57.77	67.46		71.05	80.19	59.26
341	HIG5	Newbridge Lane	180192.000	44866.000	19.63	18.04	18.21	23.48	16.96	23.09	21.52	14.53
342	HIG6	Newbridge Lane	180180.000	44872.000	20.25	18.60	14.44	25.53	19.44	22.95	22.77	16.39
343	HIG7	Newbridge Lane	179848.000	44424.000	6.45	5.92	6.06	9.47	4.55	6.20	7.82	4.60
344	HIG8	Tresawls Road	179713.000	45054.000	22.63	20.79	17.33	26.52	17.81	22.53	27.22	24.38
345	HIG9	A390	178142.000	45149.000	30.65	28.16	37.64	34.71	20.61	32.71	28.74	29.50
346	HIG10	A390	177837.000	45126.000	25.79	23.69	22.26	29.15	22.30	27.15	28.55	25.32

Truro and Threemilestone Area Action Plan Proposals

- KEY**
- Housing with focus on Key Workers
 - District Centre Option
 - Local Centre Option
 - Potential Waste Recycling Site in Waste Framework
 - Possible New Primary Schools
 - Truro College Extension
 - Childcare/Leisure Focus
 - Stadium Options
 - New City Park
 - Strategic Retention of Playing Fields Subject to Investigation
 - Potential alternative Golf Course Option
 - Proposed Heritage Quarry in Minerals Framework
 - Local Distributor Road/Major Scheme Bid
 - Possible Extension to Local Distributor Road
 - Protected Route Corridor
 - Major Education Hub
 - Area of Change
 - B1 Employment Sites
 - Port and Marine uses
 - Existing Industrial Land for Enhancement
 - Area of Search - Extension to Industrial Estate
 - Office/Hotel
 - Long Term Expansion for Hospital
 - Sports Hub for Truro & Threemilestone
 - Limit to Long Term Growth
 - Park and Ride Site Options
 - Park and Ride Bus Routes
 - Option for New Urban Edge
 - Site with Residential Permission (>100 dwellings)
 - Possible Housing Areas
 - Other Housing Options / Longer Term Growth
 - Alternative Housing Option not Supported
 - Recreational Open Space Proposals
 - Strategic Green Gap/Areas
 - Biodiversity Corridors
 - Open Space/Allotments
 - Landscape Improvements



This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Carriac District Council 10001950, 2006