



**LOCAL AIR QUALITY
MANAGEMENT**

Progress Report 2004

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North Norfolk District Council Air Quality Management Progress Report

Introduction

The Local Air Quality Management Updating and Screening Assessment Produced in May 2003 found that all 7 pollutants were expected to meet the target values within the target deadline as defined by the Air Quality Regulations. Hence there has been no need to proceed to a Detailed Assessment for any of the 7 Pollutants

Three Pollutants have been identified as requiring further investigation to ensure compliance with the 2010 target. These are, NO₂, PM₁₀, and Benzene

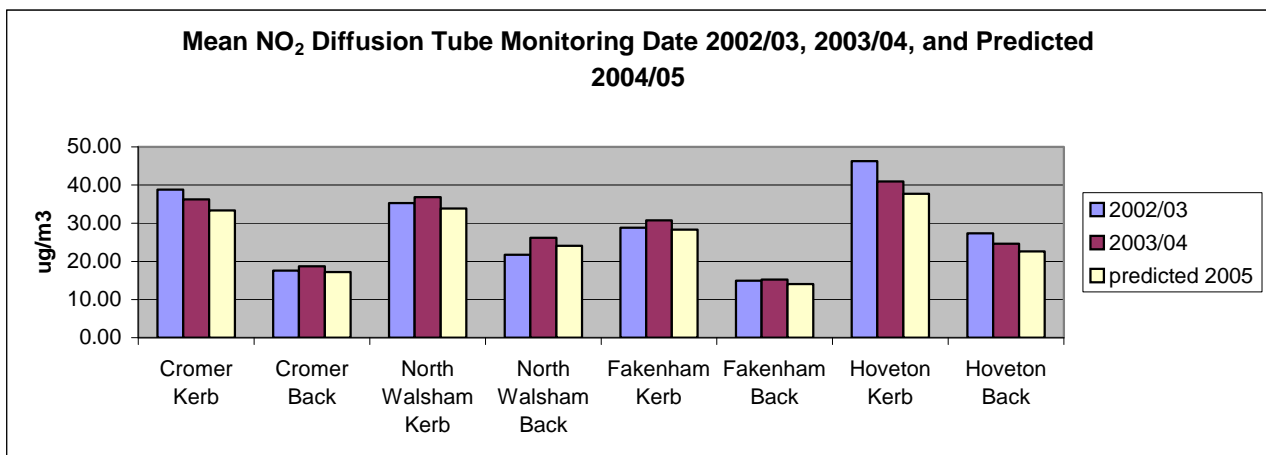
Monitoring Data

Table 1. Results of 2002/3 NO₂ Diffusion Tube Monitoring in North Norfolk

NOx Tube Sampling site	2002/3 Annual Mean Concentrations $\mu\text{g}/\text{m}^3$	2003/4 Annual Mean Concentrations $\mu\text{g}/\text{m}^3$	2004/5 Predicted Annual Mean Concentration $\mu\text{g}/\text{m}^3$
Cromer Kerbside	36.23	38.80	33.35
Cromer Background	18.75	17.60	17.26
North Walsham Background	24.10	21.75	24.1
North Walsham Kerbside	36.80	35.25	33.87
Fakenham Background	15.25	14.925	14.04
Fakenham Kerbside	30.75	28.88	28.3
Hoverton Background	24.61	27.36	22.65
Hoveton Kerbside	40.95	46.29	37.7

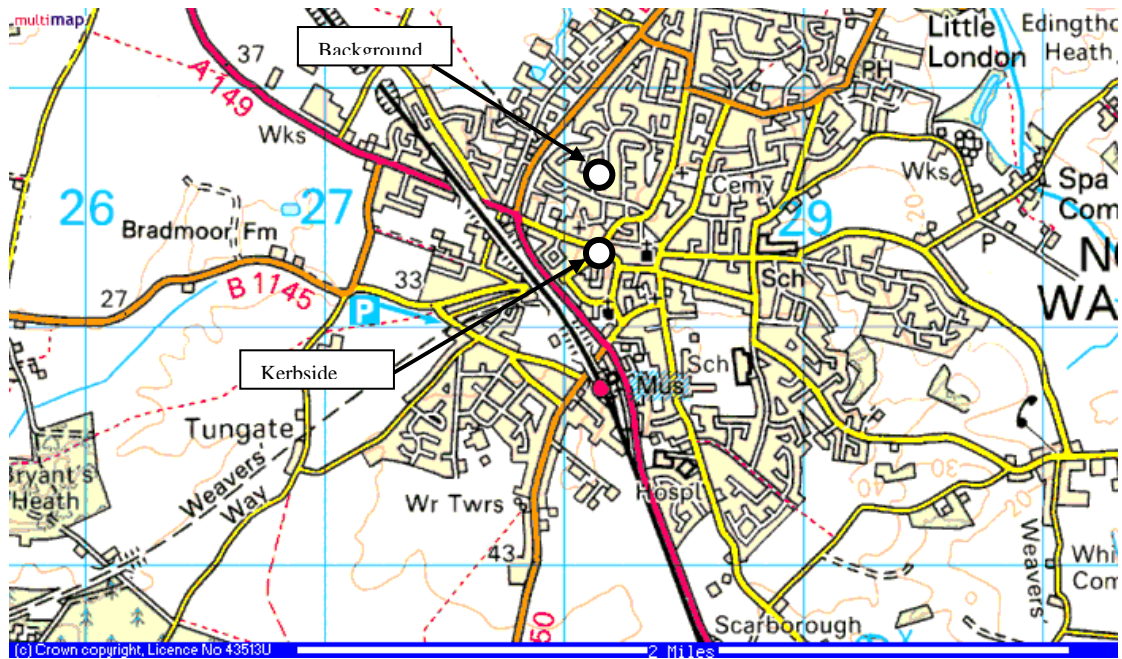
Gradko International, our diffusion tube supplier, have stated that the mean % bias correction for our data of 20% TEA/WATER is +1.5%. This figure is within the tolerance of the calibration and hence has not been applied.

Plot 1. of Summary data showing annual trends

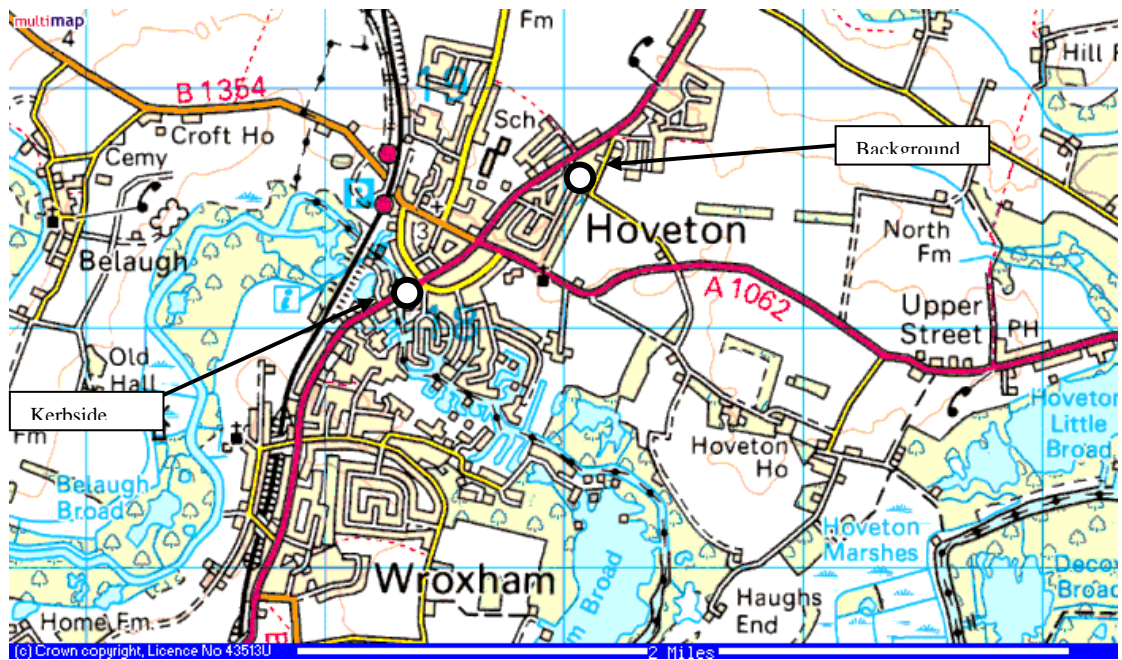


Monitoring Locations

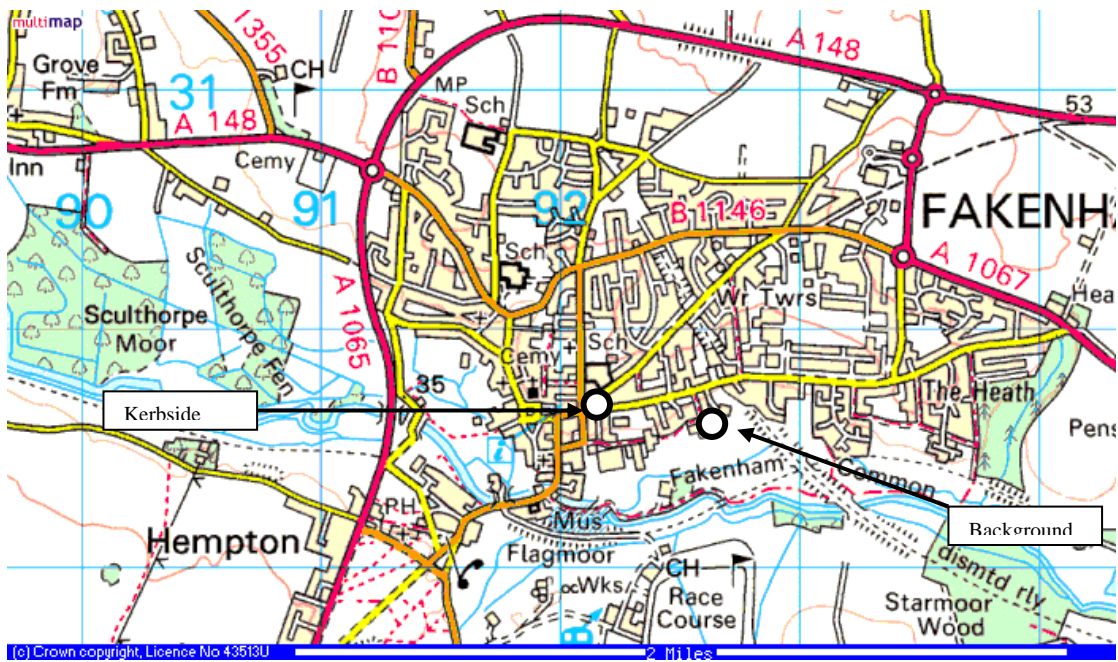
North Walsham



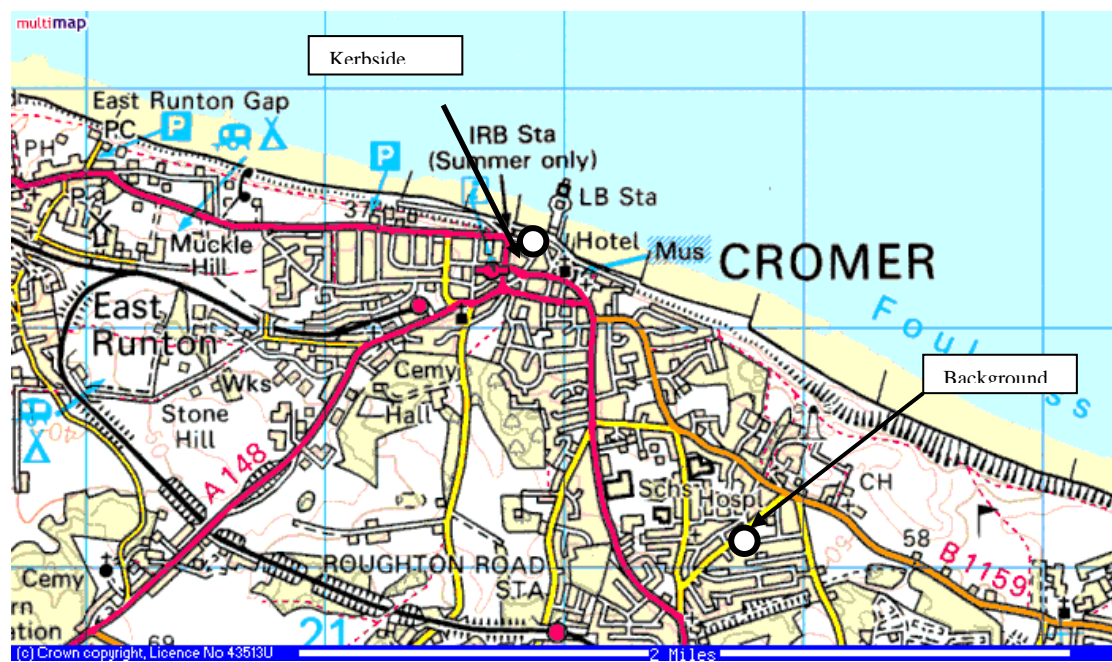
Hoveton



Fakenham



Cromer



New Development

In the past twelve months there has been no new development within North Norfolk that would effect air quality in North Norfolk. Further more there has been no development within North Norfolk that would effect the air quality of our neighbouring authorities.

In the past twelve months North Norfolk has not received any information to suggest any development within our neighbouring authorities that would effect the air quality in North Norfolk.

Progression

The Updating and Screening Assessment, and this Progress Report identified one NO₂ Hot Spot with in North Norfolk, located in the village of Hoveton. Although the 2005 target is expected to be met it was thought that prolonged local highway maintenance directly affected the data. Therefore further NO_x tube monitoring was set up within the area to give a more detailed view. A new monitoring site was set up on the opposite side of the main road in the centre of the Hot Spot and a quality control site was located at the original location. North Norfolk's Environmental Health Service / Business Plan commits to reviewing all NO_x Data by the 31st March 2005 to ensure compliance with the 2005 and 2010 targets. Further to this there will be internal quarterly reporting of monitoring data. This will also allow the authority to report a more detailed picture in the Progress Report to be completed in 2005.

The Updating and Screening Assessment suggested a degree of uncertainty as to, if the much more stringent 2010 target value for PM₁₀ and Benzene would be met. To Address this uncertainty, The Environmental Health Service / Business Plan has committed to undertake a feasibility study for the monitoring and reporting of PM₁₀ and to report findings by 31 March 2005. The Service Plan also commits to a review of current data sources for Benzene and the production of an action plan for ensuring compliance with the 2010 target. This is to be internally monitored and reported by October 2004.