

Annex E

List of Acronyms and Abbreviations

ADMS	Atmospheric Dispersion Modelling System
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
CAZ	Clean Air Zone
COMEAP	Committee on the Medical Effects of Air Pollutants
CYC	City of York Council
DEFRA	Department for the Environment, Food and Rural Affairs
EU	European Union
HGV	Heavy Goods Vehicle
LAQM	Local Air Quality Management
LES	Low Emission Strategy
LGV	Light Goods Vehicle
LTP	Local Transport Plan
µg/m³	microgrammes per cubic metre
NO₂	Nitrogen dioxide
NO_x	Oxides of nitrogen
PHE	Public Health England
PM₁₀	Particulate matter with a diameter of less than 10 microns
PM_{2.5}	Particulate matter with a diameter of less than 2.5 microns
UK	United Kingdom
WHO	World Health Organization

Glossary of Terms

Air Pollution Dispersion Model

A mathematical method of predicting air pollution concentrations at a particular location. ADMS is one type of dispersion model operated by CYC.

Air Quality Action Plan (AQAP)

A plan of action drawn up by a local authority for improving air quality in an AQMA.

Air Quality Management Area (AQMA)

An area formally designated by a local authority where one or more of the air quality objectives are unlikely to be met.

Air Quality Objectives

Targets set by the Government for air quality which are considered to be achievable in terms of cost, benefit and technical feasibility.

Air Quality Standards

Legal limits for air quality set by the European Union. Infraction proceedings have been launched against the UK for failure to comply with the EU limits for NO₂.

ADMS-Urban

A type of air pollution dispersion model used by City of York Council

Committee on the Medical Effects of Air Pollution

A panel of air quality and medical experts that advise the UK government on the medical impacts of air pollution and the setting of UK air quality objectives.

Clean Air Zone

An area where vehicle access is limited based on the type, age or emission standard of the vehicle. The proposed CAZ for York would be initially limited to buses with the most frequent buses (entering the CAZ 10 times per day or more) required to be zero emission by 2018.

Euro emission standards

Emission limits set out in EU directives for new vehicles entering the market in the EU. The latest set of EU emission standards are the Euro VI (Euro 6) standards. There are different standards set for different types of vehicles. Currently new vehicles obtain 'type approval' via emission testing under laboratory conditions. Emission measurements undertaken under 'real life' driving conditions suggest that many vehicles (particularly Euro VI/6 diesel vehicles) are failing to meet the EU emission limits under real life driving conditions.

Local Transport Plan

A statutory document setting out local transport strategies. They usually include policies to reduce traffic related problems including; congestion, air pollution and accidents.

Relevant Location

Outdoor, non-occupational locations where members of the public are likely to be regularly exposed to pollutants over the averaging time of the air quality objectives.

Source Apportionment Study

An investigation into the relative contribution different emitters make to the total emissions of a pollutant in a specified area.

Technical Breach Areas

Relevant locations in York where the upper 90% confidence limit of annual average nitrogen dioxide diffusion tube data is predicted to be greater than $40\mu\text{g}/\text{m}^3$ by 2005.