

Update on Emissions Factors and LAQM Tools

Update on changes to Road Traffic Emissions Factors

A number of changes are now being made to vehicle exhaust emissions factors and it is anticipated that new information and tools will be released by June 2012.

The speed related emissions functions for NO_x will be based on COPERT 4 methodologies (v8.1 published May 2011) and the changes will affect all vehicle types.

In conjunction with the release of these revised emissions functions, new information on fleet composition and projections for future years will also be provided – this means that emissions calculations for other pollutants including PM₁₀, PM_{2.5} and CO₂ will change (even though the speed related emissions functions have not changed).

The new datasets will be available in June 2012, through the [NAEI website](#) and the following LAQM tools will also be revised on the [LAQM Support Helpdesk website](#) to reflect the changes:

- Emissions Factors Toolkit
- NO_x – NO₂ Conversion Tool
- Background Maps (see below)
- Roadside Projection Factors

Additional information describing the changes in the emissions factors and emissions estimates will be provided to support these changes and an announcement around its publication will be made in due course.

Local authorities who are currently undertaking modelling for review and assessments for the purposes of determining the need for an AQMA may continue to use the current vehicle emissions factors provided all dispersion modelling is verified against local monitoring data. [Download the Emissions Factors Toolkit \(v4.2.2\) here.](#)

Local authorities who are about to undertake new dispersion modelling may wish to consider waiting for the new emissions factors before finalising their reports: for example, those who are undertaking quantification of measures.

To assist those local authorities who need background maps for undertaking their 2012 Updating and Screening Assessments – a revised total 2010 background map for NO₂, NO_x and PM₁₀ will be made available by the end of March 2012 at <http://laqm.defra.gov.uk/review-and-assessment/tools/background-maps.html>.

The LAQM Support Helpdesk can be contacted for advice on any of the above matters.

New Frequently Asked Questions (FAQ) System

A new FAQ system is now available at <http://laqm.defra.gov.uk/laqm-fags/> on the LAQM website. These pages have been updated to make relevant FAQs easier to find, and enable keyword

searching. We welcome any new suggestions for FAQs, and if you think any key words are missing to help you search for FAQs, then please let us know by emailing us at laqmhelpdesk@uk.bureauveritas.com.

New Diffusion Tube Data Entry System for England Authorities

Similarly, the new Diffusion Tube Data Entry System website for England is now complete and is undergoing final testing by a few local authorities. It will be accessible via <http://laqm.defra.gov.uk/diffusion-tubes/data-entry.html>. The new website provides an interactive system for locating monitoring sites, a simple mechanism for upload of bulk sets of diffusion tube data, and some additional QA/QC checks are now built into the system. All users registered on the old system will be contacted shortly with your logon details. If you haven't registered before, then please contact the LAQM Helpdesk. **There will be time for all users to review their site information, add new sites, confirm laboratory details and add new monthly data before we make the data downloadable to public users.**

Further information available from the LAQM Helpdesk Team

Email: LAQMHelpdesk@uk.bureauveritas.com

Website: <http://laqm.defra.gov.uk/>

Telephone: 0800 032 7953