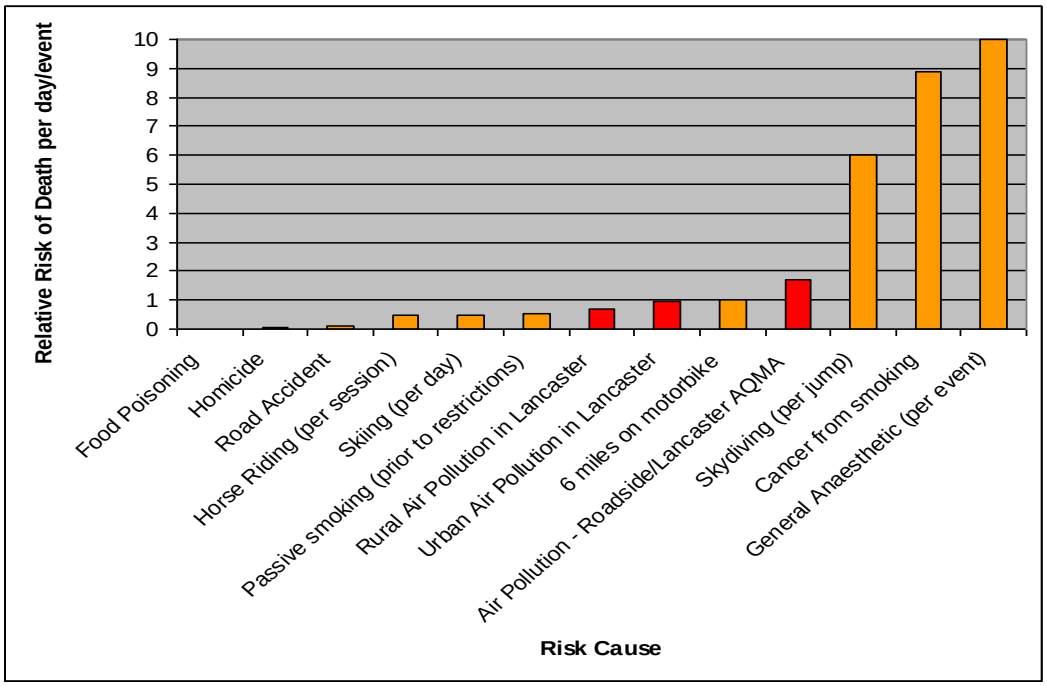
Appendix 3

Air your views on Lancaster's Air Quality

Lancaster City Council has been monitoring air quality in Lancaster for over 10 years. Unfortunately air pollution has not decreased as much as expected. In fact since 2004 levels for one pollutant are much higher than anticipated. As a result we need to amend the Air Quality Management Area to ensure this issue is recognised (please see Appendix 1 attachment below for more information).

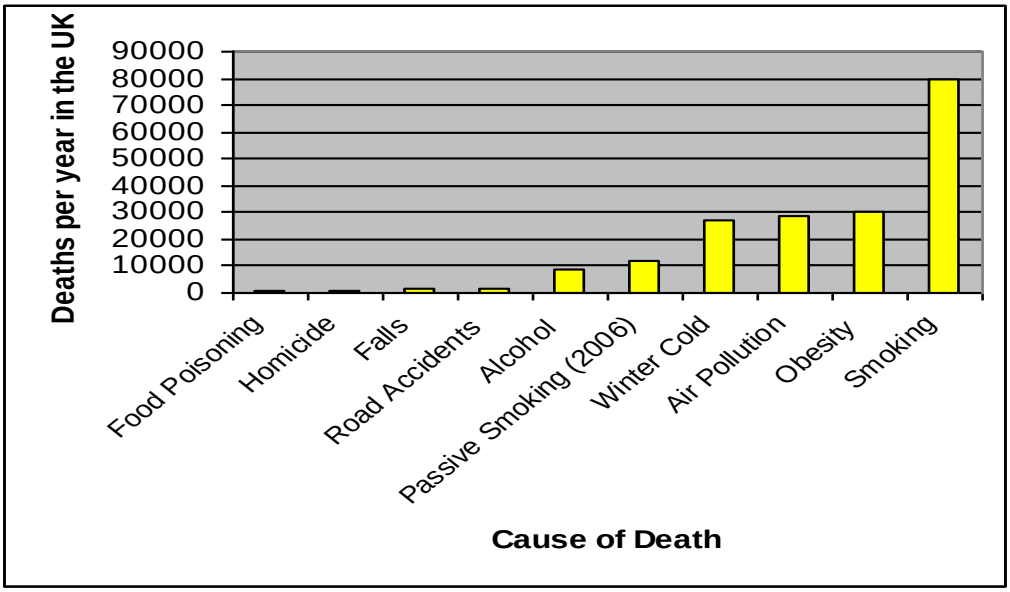
How does this impact you?

Air pollution is an important issue in Lancaster as it can impact on local resident's health. The main issue is pollution from road traffic and it is estimated that the health impact within the Lancaster Air Quality Management Area is approximately three times that for people in the rural areas of Lancaster. The table below shows risk of death from air pollution in relation to various activities (relative risk of death per day or event)



Air pollution is one of the key causes of death alongside smoking and obesity (demonstrated in below table of approx. numbers of deaths in the UK from various causes*). However, the impact is usually due to exposure over a long period of time therefore we all need to take preventative action now.

Appendix 3



It is therefore important for us all do something now to reduce the effects over time. This is why we want to make you more aware of the issue, seek your opinion and ultimately to see if we collectively change things.

This consultation is a step towards raising awareness of the issues and help us to find out if there is any interest and support for action. Action to improve air quality is planned in main through the draft Transport Masterplan for Lancaster. This is due to be adopted in September 2016 (see http://www.lancashire.gov.uk/council/strategies-policies-plans/roads-parking-and-travel/highways-and-transport-masterplans/lancaster-district-highways-and-transport-masterplan-draft.aspx)

Further technical detail for the consultation is provided in attachments and more information on Lancaster City Council's overall approach to air pollution can be found in the Air Quality Strategy for Lancaster available at : http://www.lancaster.gov.uk/environmental-health/environmental-protection/air-quality/air-quality-reviews-and-assessments

What can you do to help?

Please give us your views on this important issue by providing comments to the questions below or providing general comments. Please email or post your comments to the addresses provided below.

There are some simple things that you can do to help reduce air quality pollution visit our web site at: http://www.lancaster.gov.uk/environmental-health/environmental-protection/air-quality/ to find out more.

You need to be aware that Lancaster City Council can in most instances only act to inform and encourage action. As air quality issues in Lancaster are traffic related, the County Council has the largest acting role.

Appendix 3

Consultation on a proposal to amend the City of Lancaster Air Quality Management Area No.1 Order 2004 to include the likely to exceed the 1 hour air quality objective for nitrogen dioxide (as specified in the Air Quality (England) Regulations 2000 (as amended). Please see Appendices 1 and 2 for more information.

We would appreciate it if you could spare five minutes to provide your views on the proposed amendment.

Please note the questions below have been provided as a guide, however, if you would prefer to make a general comment, please feel free to do so.

Your views on proposed amendment

Q1. Based on increased levels of pollution in the City of Lancaster Air Quality Management Area No.1, do you agree with the proposed amendment of the 2004 document (Order)?

.....……..**Yes/No**

Q2. If you have answered 'No' to question 1, please provide your reasons :-

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Q3. If you agree and have answered 'Yes' to question 1 above, but wish to make an additional comment, please do so here :-

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Other Comments

Q4. Please make any other comments on air pollution.

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Appendix 3

Other Information

Q6 Would you like the council to provide more information to residents about anything specifically in relation to air quality?
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Future Air Quality Consultations

Q7. We would be really grateful for people to be involved in future consultation, particularly regarding actions we may take. If you are willing to participate in this please provide your contact details below :-

Would you like to get involved in future air quality pollution consultations? **Yes/No**

Would you like to get involved in other Lancaster City Council service consultations? **Yes/No**

Please provide your details below:

Email address : ……..

Contact Telephone Number : …….

Contact Address : ……..
…….
…….
Please note: Your personal details will be kept confidential and held in accordance with the Data Protection Act.

Please email your comments to :-
airquality@lancaster.gov.uk

or send by post to:-

FAO Paul Cartmell,
Senior Environmental Health Officer,
Lancaster City Council,
Morecambe Town Hall,
Marine Road,
Morecambe
LA4 5AF

All responses should be submitted by the 16 September 2016.

Thank you for taking the time to give us your views.

Appendix 3

Consultation Summary

The existing City of Lancaster Air Quality Management Area No.1 (available at: http://www.lancaster.gov.uk/environmental-health/environmental-protection/air-quality/lancaster-air-quality-management-area-aqma/) is designated due to the likely exceedance of the annual mean objective for nitrogen dioxide in this location. Monitoring undertaken within the Air Quality Management Area since designation has indicated exceedance not only of the annual mean objective but the likely exceedance of the 1 hour mean objective for nitrogen dioxide also. This document therefore forms the consultation on a proposal to amend the City of Lancaster Air Quality Management Area No.1 Order 2004 to include the likely exceedance of the 1 hour objective for nitrogen dioxide in addition to exceedance of the annual mean objective.

Evidence supporting a proposed amendment to the City of Lancaster Air Quality Management Area No.1 Order 2004

In 2012 an Updating and Screening Assessment report was submitted to Defra by Lancaster City Council as part of requirements under the Local Air Quality Management regime (report available at : http://www.lancaster.gov.uk/environmental-health/environmental-protection/air-quality/air-quality-downloads-links/).

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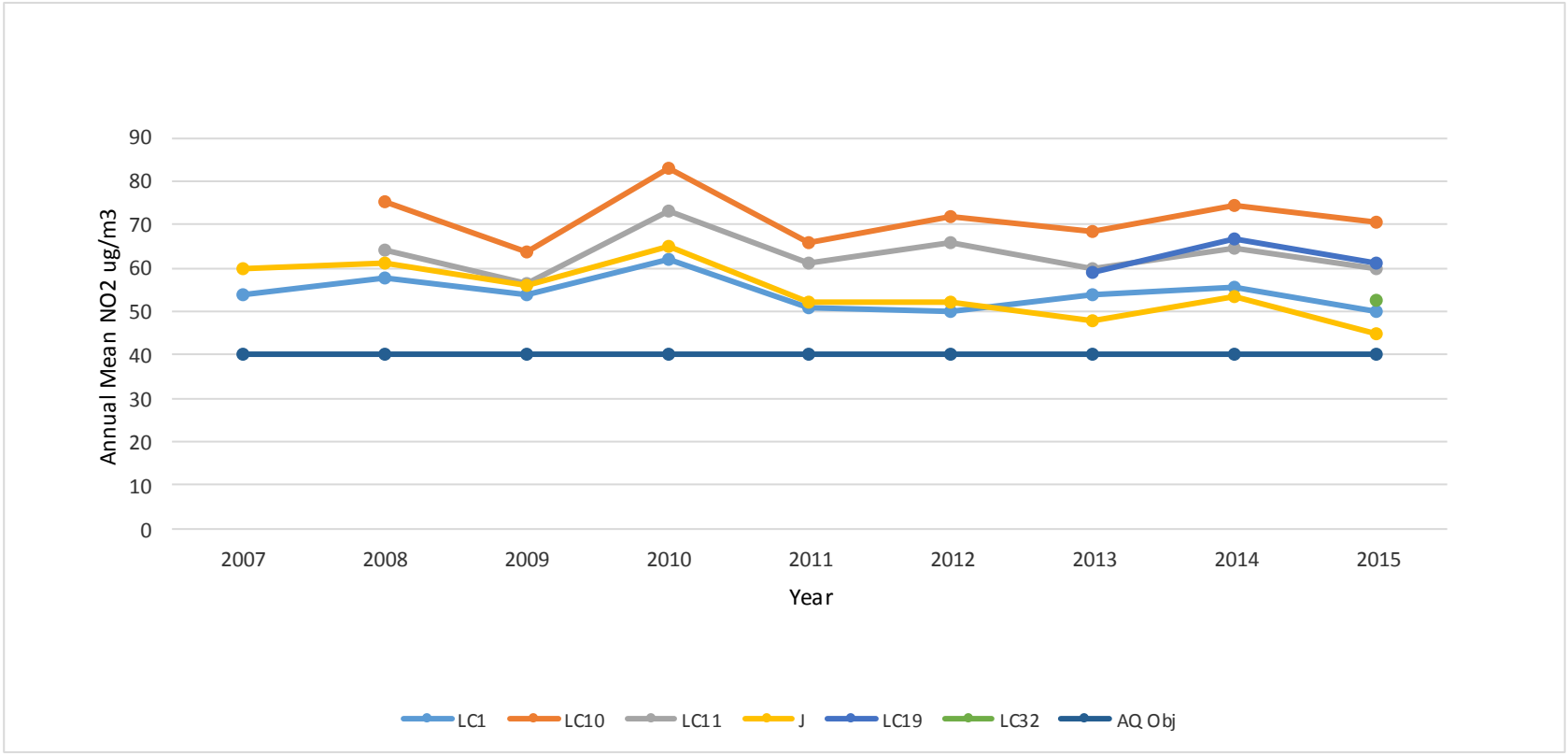
The report proposed the amendment of the City of Lancaster Air Quality Management Area No.1 Order 2004 (available at : http://www.lancaster.gov.uk/environmental-health/environmental-protection/air-quality/lancaster-air-quality-management-area-aqma/) 'the Order', to include an additional measure (the 1 hour objective for nitrogen dioxide) . The existing Order was made for the potential breach of the annual mean nitrogen dioxide objective only. Details of the two objectives for nitrogen dioxide are contained in Appendix 2 below.

The proposal put forward to amend the order is based on diffusion tube nitrogen dioxide monitoring data obtained from four monitoring sites within the Lancaster Air Quality Management Area over five years. Monitoring data obtained indicates (see Figure 1 below) that nitrogen dioxide levels are sufficiently and persistently high to also indicate the likely exceedance of the 1 hour objective for nitrogen dioxide. This is indicated because annual mean levels have been monitored above 60ug/m^3 on a number of occasions over the past 9 years and research has concluded that "Local authorities should continue to use the threshold of 60 μg/m^3 NO_2 as the trigger for considering a likely exceedence of the hourly mean nitrogen dioxide objective." (see: Analysis of the relationship between annual mean nitrogen dioxide concentration and exceedences of the 1-hour mean AQS Objective. AEA Energy and Environment - May 2008 available at https://uk-air.defra.gov.uk/assets/documents/reports/cat06/**1hr**_NO2_rpt_Final_b.pdf for further information.)

Appendix 3

Figure 1 – Diffusion Tube air quality monitoring results from four sites within the Lancaster Air Quality Management Area 2007 - 2015



Appendix 3

Consultation Proposal

The City of Lancaster Air Quality Management Area No.1 Order 2004 is amended to include the likely exceedance of the 1 hour objective for nitrogen dioxide.

Requirement for Consultation

In accordance with Local Air Quality Management Policy Guidance PG(16) and consultation with the LAQM help desk , there is now no requirement for further assessment or any strict requirement to consult. Consultation is however recommended as best practice the sole requirement on the amendment proposal (see - Local Air Quality Management Policy Guidance PG(16) – Defra 2016 available at http://laqm.defra.gov.uk/supporting-guidance.html). This document forms the consultation.

Appendix 2 – Air Quality Objectives for nitrogen dioxide

Table 1.1 Air Quality Objectives for nitrogen dioxide included in Regulations for the purpose of LAQM in England

Pollutant	Air Quality Objective		Date to be achieved by
	Concentration	Measured as	
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