

- London now meets legal limits for eight of the nine pollutants regulated by the European Commission.
- Even though we are reported compliant for Particulate
  Matter, it is commonly accepted there is no safe limit and
  further reductions are being sought to protect human
  health.
- NO<sub>2</sub> remains a serious challenge. In some places London exceeds the limits by a factor of three. The Government has a plan to meet legal limits in London by 2025, which will require further action over the next ten years.







### **HEALTH IMPACTS**

- London is the first city to calculate the health impacts associated with NO<sub>2</sub>
- This new study shows that in 2010 there was the equivalent of up to 5,900 deaths across London associated with NO<sub>2</sub> long term exposure (broken down on borough-by-borough basis in the report).
- The PM<sub>2.5</sub> and NO<sub>2</sub> figures can be combined to create a total figure of up to 9,400 equivalent deaths in 2010.
- The NO<sub>2</sub> health effects have also been calculated using new methods which mean they are subject to greater uncertainty than the PM<sub>2.5</sub> health effects.

### **HEALTH IMPACTS**

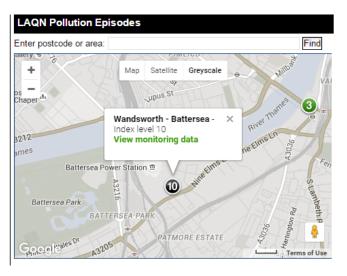


### PARTICULATE MATTER

 London has met legal requirements for PM<sub>10</sub> since 2011. However, it remains a localised issue requiring a targeted approach.



# PARTICULATE MATTER MARCH 2016

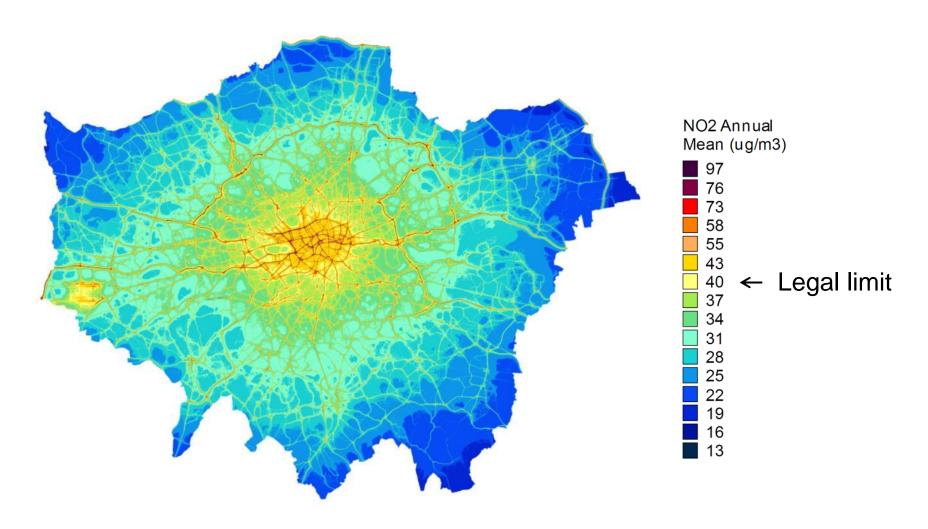




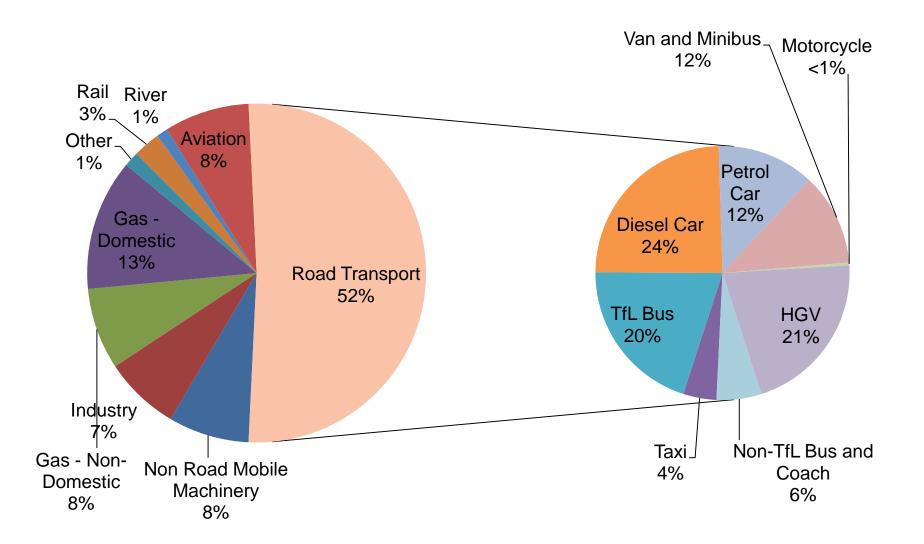




## NO<sub>2</sub> CHALLENGE (2013)



## NO<sub>X</sub> EMISSIONS IN 2013



### TRANSPORT MEASURES

#### Congestion charge



**Taxis** 



Low Emission Zone



Cycling



Buses



Electric cars



### **NON-TRANSPORT MEASURES**

Air Quality Neutral



Local



Retrofit



Mayor's AQ Fund



Construction

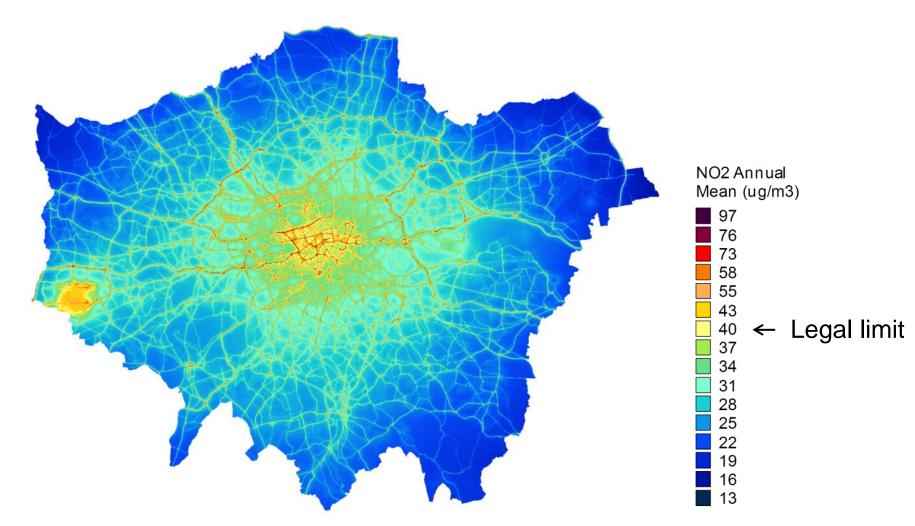


Health

AIR QUALITY IN WANDSWORTH:
A GUIDE FOR PUBLIC HEALTH PROFESSIONALS

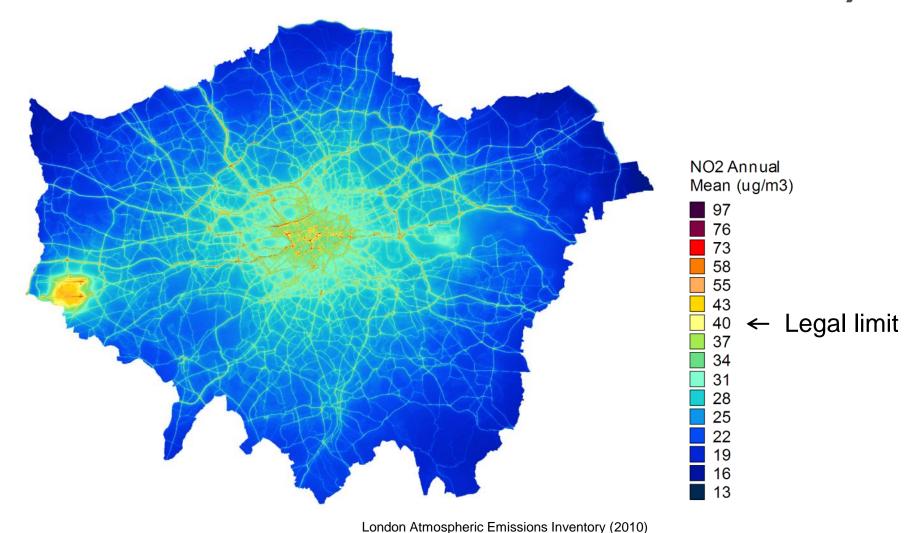
MAYOR OF LONE

## NO<sub>2</sub> CHALLENGE (2020)



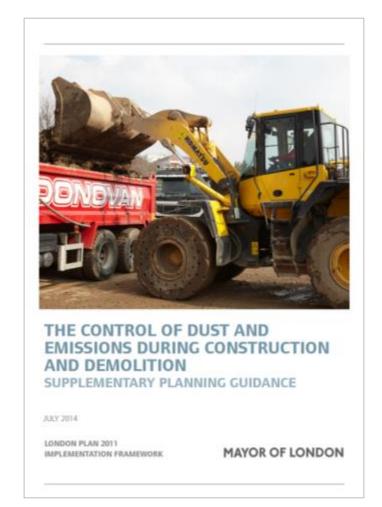
London Atmospheric Emissions Inventory (2010)

# NO<sub>2</sub> CHALLENGE (2020 + ULTRA LOW EMISSION ZONE)



# NON-ROAD MOBILE MACHINERY (NRMM) SPG

- We have published an SPG to support the policies in the London Plan, with guidance on:
  - the Air Quality Statement;
  - the identification of the potential scale of dust emissions for each stage of work;
  - the identification of the level of risk due to the scale of dust emissions
  - best practice methods for controlling dust on-site and to prevent trackout
  - recommendations for monitoring
  - emission standards for non-road mobile machinery



## NRMM EMISSION STANDARDS

- All NRMM with a power of between 37KW and 560KW must conform with new standards as
- Part of a planning requirement for developments to keep an inventory of all NRMM used at the site.



### NRMM POLICY COMMITTEE

- Greater London Authority / Transport for London
- Construction Plant-hire Association
- The Society of Motor Manufacturers and Traders Limited
- Energy Saving Trust
- Environmental Industries Commission
- AMEC Foster Wheeler
- Kings College London
- Construction Equipment Association
- Association of Manufacturers of Power Generating Systems
- Crossrail & HS2 Limited (advisory role)

## NRMM EMISSION STANDARDS

#### For construction projects active after September 2015

- Major developments in Greater London, NRMM will need to meet Stage IIIA
- All developments in Central Activity Zone or Canary Wharf, NRMM will need to meet Stage IIIB

#### For construction projects active after September 2020

- All developments in Greater London, NRMM will need to meet Stage IIIB
- All developments in the Central Activity Zone or Canary Wharf, NRMM will need to meet Stage IV

### NRMM ENFORCEMENT

- An inventory of all NRMM plant should be kept on-site stating the emission limits for all equipment – this is in effect the 'NRMM register'.
- Local planning authorities are responsible for enforcement through the planning process. Compliance should be secured as a condition and/or s106 agreement.
- We appreciate developers may not know what equipment will be required at planning application stage. Therefore, Air Quality Dust Risk Assessments (AQDRA) should include a written statement of their commitment for the purposes of monitoring and enforcement.

### NRMM ENFORCEMENT

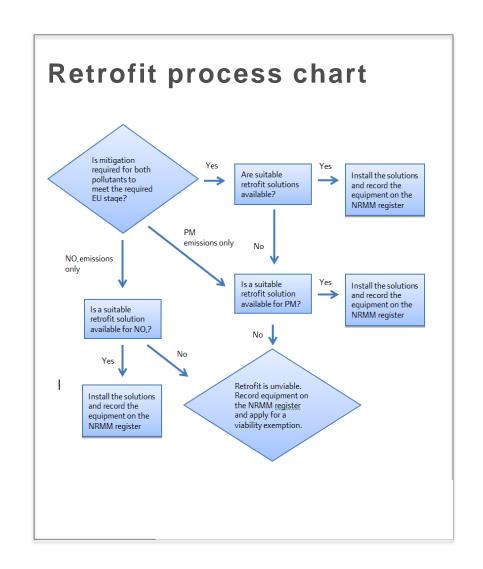
- We want to include some reporting on NRMM as part of the new London Local Air Quality Management reporting process (2016/17 onwards).
- We will work with the Considerate Constructors Scheme to integrate this policy as part of their audit activities at the construction sites of their members.
- We are talking to Government about how we can strengthen the Mayor's powers to provide more enforcement opportunities (eg penalty fines) and seeking additional funds to help with resourcing (similar to MAQF funding).

### NRMM EXEMPTIONS

<b>Exemption</b> category	Description	Exemption period
Block	The type of NRMM plant is not currently manufactured at the EU stage stated in the SPG or there is an insufficient quantity of compliant equipment in the UK supply chain and retrofit is unviable.	Until 1 September 2018
Viability	The NRMM plant is not currently manufactured to meet the EU stage as stated in the SPG or there is an insufficient quantity of compliant plant in the UK supply chain for the task, however, it meets the next best available EU stage and retrofit is unviable, following robust consideration.	12 months from date of approval
Short-term	The NRMM plant is on site for a period of no greater than 30 days to account for a range of potential circumstances where equipment is urgently required or for a very short period.	30 calendar days from date of registration

### NRMM RETROFIT

- Only retrofit systems produced by manufacturers registered with the Energy Saving Trust (EST) will be eligible for consideration.
- When a company has demonstrated compliance, it is eligible to use the EST Endorsed Product mark on its product and marketing literature.



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### NRMM EXEMPTIONS

- Applications for an exemption must be submitted to the GLA via the NRMM register. This is an automated process. We welcome feedback on how this process works and suggested improvements.
- Exemption requests will be reviewed by the GLA within 10 working days. The NRMM policy committee will provide advice and support as required.
- The GLA's decision is final. If an application is rejected then a grace period of five working days will apply, from date of notification, whereby the NRMM plant must then be removed from the site.

