



Low emission zone in Denmark

Birte Busch Thomsen



www.miljoe.kk.dk



Low emission zones will be implemented in Danish Environmental Protection Act from January 2007

Low emission zones will be possible in 5 largest towns

Detail planning and information will take place in 2007-2008

DK low emission zone



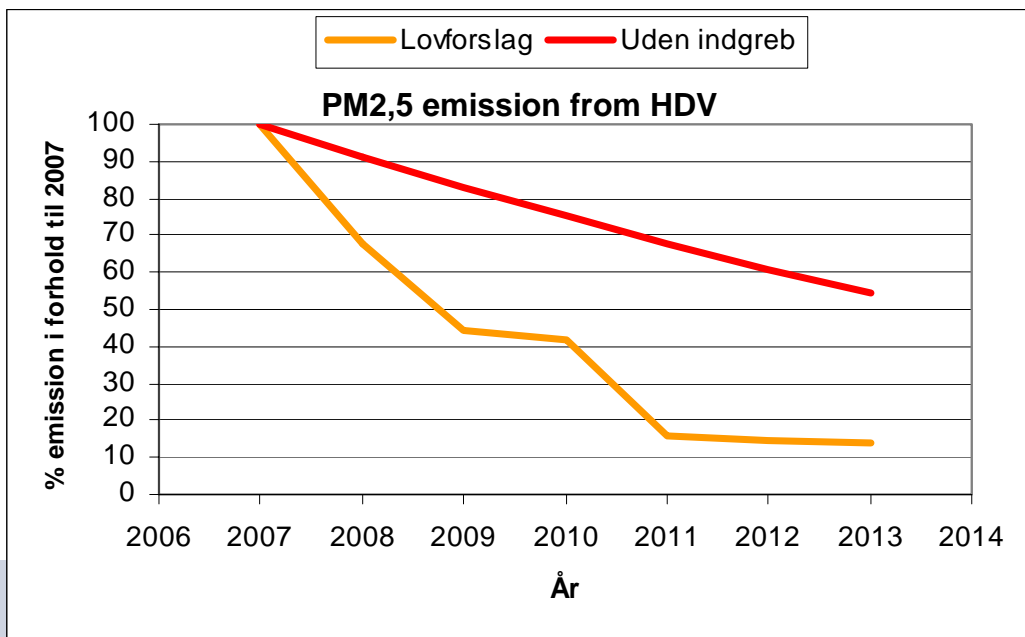
Requirements:

Filters on Euro 0-2 HDV from July 2008.

•Filters on Euro 3 HDV from July 2010.

•Except veteran cars / more then 30 years old.

•The Minister of Environment might require filters on LDV from July 2010





Requirement specifications

Filters approved by Danish Road Safety and Transport Agency:

- 80 % reduction in particle emission monitored according to EU standards (EU directive 88/77 monitored on Euro 1 engine and max. 50 ppm sulphur in fuel)
- The filter status must be continuously monitored (UBD). A lamp must be activated if backpressure exceeds 20 kPa at engine max. power.

Yearly test of filters in use:

- In operation, the exhaust gas opacity must not exceed a K-value of 0,2 pr. meter monitored during free acceleration on periodic inspection described in Directive 96/96/EEC.

More information in English at www.fatur.dk



Proposal for Documentation



Danish HDV will have a sticker showing they are approved to drive inside low emission zone.

If filters passes the yearly test car owners will keep their sticker - otherwise not.

Foreign car owners must have paper documentation proving their car is equipped with filter fulfilling the Danish specifications.

The filter documentation must not be older than 18 month.

There must be documentation for the age of the car.

Police inspection in streets



Copenhagen's suggestion for low emission zone



**”50 % of traffic emissions of particles
are form heavy duty vehicles”**

“HDV stands for 7 % of traffic flow”

Effected HDV:

In 2008: 4.500 in Cph./ 9.000 in DK

In 2010: Further 3.400 in Cph./ 6.800 in DK

Area:

**•65 % of Copenhagen citizens (325.000
inhabitants)**

• ½ of the area of Copenhagen (45 km²)

•85 % of working places in Copenhagen

Effect:

150 fewer premature death/year

