

# The Ministry of the Environment

## Efforts in reducing air pollution from mobile sources

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Tel Aviv region 9/1/03 8:00 AM—  
a view from the Judean Mountains





# Risk Assessment -main findings

## Tel Aviv area & Ashdod

### 1995-1999

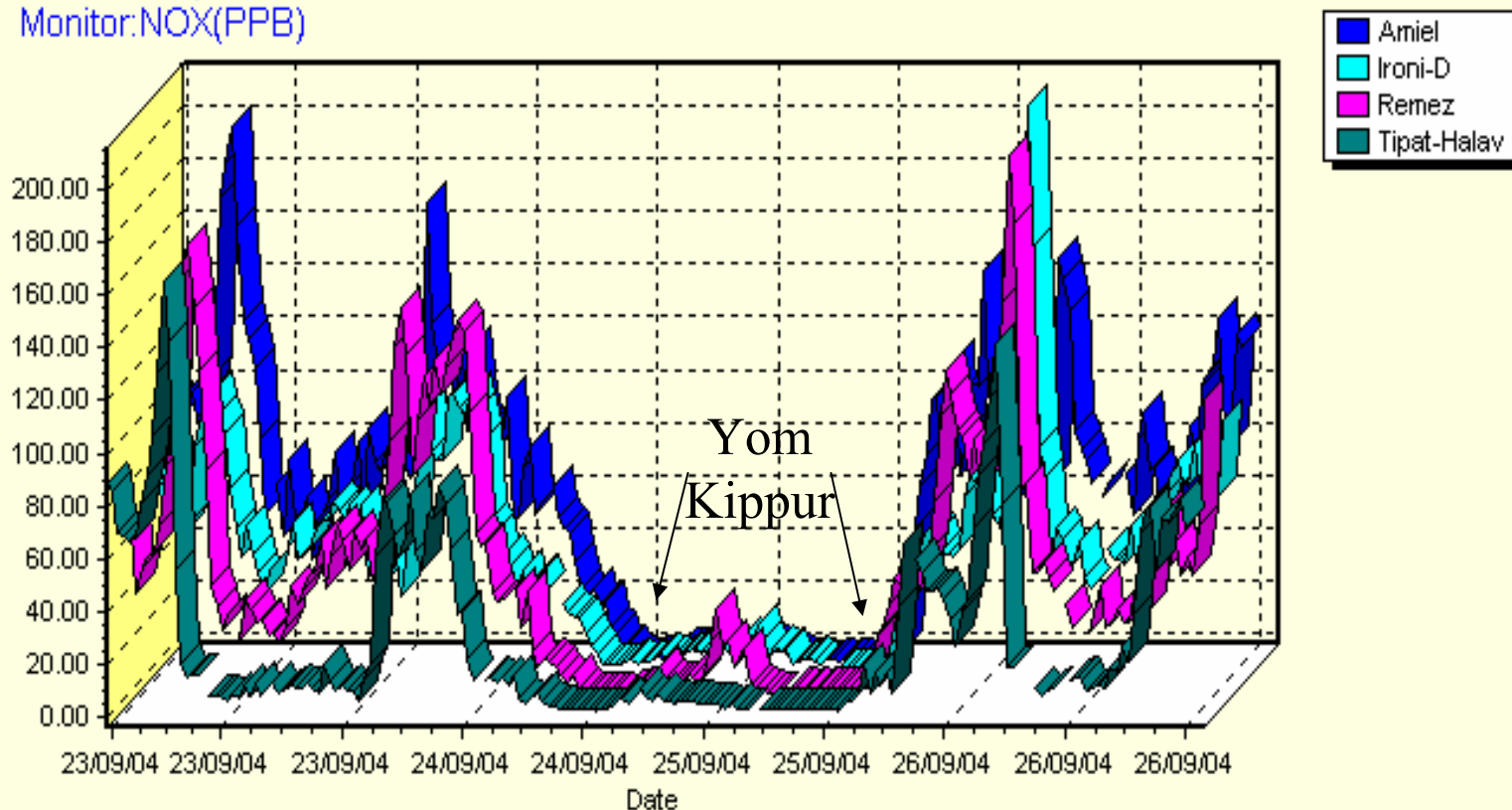
Mortality due to long-term exposure to  $PM_{2.5}$  from anthropogenic sources was estimated to be 620 cases a year in Greater Tel Aviv and 90 cases in Greater Ashdod (8% of the yearly baseline mortality).

. Hospitalization due to all respiratory causes attributed to  $PM_{10}$  for ages over 65 was estimated to be 6%. Estimated hospitalization due to cardiovascular causes attributed to  $PM_{10}$  for ages 65 and over was 3% or 1220 cases

Greater Tel Aviv between 1997-1999, about 20% or 28,000 cases per year of respiratory symptoms in children were related to  $PM_{10}$ . In Greater Ashdod during 1998-1999, approximately 20% or an estimated 6,000 cases per year were related to  $PM_{10}$  and an estimated average of 15% or 4,400 cases per year were related to  $PM_{2.5}$

# Road side monitoring findings on “Yom Kippur”

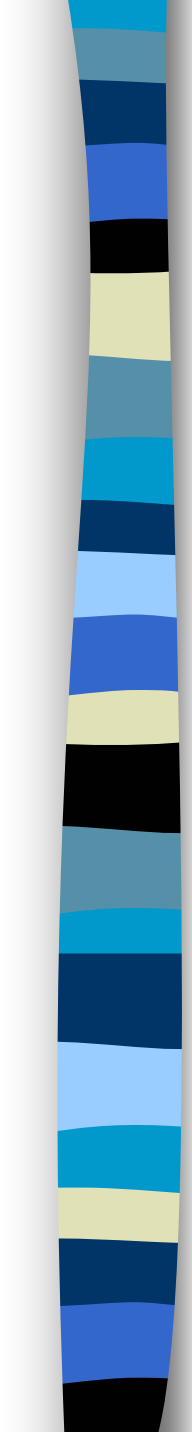
Periodic report from 23/09/2004 to 26/09/2004. Time Interval: 30 Min.  
Monitor:NOX(PPB)





# Government decision

- In December 2002 a decision was passed to reduce pollution from mobile sources in order to reduce health effects.
- To promote this decision, a director general's committee was established including DGs from the Ministries of Transport, Finance, Infrastructure, Health and Environment.



The committee recommended promoting several areas to reduce air pollution, including:

- ❑ Vehicle fuel improvement
- ❑ Stricter vehicle pollution checks at yearly inspection
- ❑ Encouraging use of low emission vehicles
- ❑ Preventing the entrance of high pollution vehicles to city centers.
- ❑ Increasing enforcement for polluting vehicles



# Implementation to date

- Improvement of diesel fuel since July 2003:  
50 ppm sulfur
- Improvement of gasoline:
  - ❖ Elimination of leaded gasoline from  
March 2004
  - ❖ Reduction of sulfur to 50 ppm from  
January 2005
- Reduction of taxes on low emission vehicles
- Increase of road checks



# Ongoing activities:

- Stricter pollution checks at yearly inspection for gasoline vehicles
- Introducing plan for scraping old vehicles
- Pilot program: Preventing the entrance of high polluting diesel vehicles into Tel Aviv city center
- Stricter pollution checks at yearly inspection for diesel vehicles



# Activities for the near future

- Introduction of 10 ppm sulfur gasoline & diesel fuel
- Increasing retrofitting as means of reduction of diesel pollution
- Emission checks for non-road vehicles & motorcycles
- HC checks for old gasoline vehicles
- Introduction of bio-fuels



Thank you!