



**SCREENING CHAPTER 27  
ENVIRONMENT**

**AGENDA ITEM: VOC FROM STORAGE OF PETROL  
DIRECTIVE 94/63/EC**

**Country Session: The Republic of TURKEY  
29 May - 02 June 2006**



## CONTENT

- National Legislation and Institutions involved
- Corresponding Provisions of National Legislation
- Institutional Capacity
- Challenges



# NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED

## National Legislation

- Law No.2872 on Environment (as amended by the Law No.5491)
- Law No. 4856 on Duties, Competences and Responsibilities of the Ministry of Environment and Forestry
- By-law on Industrial Air Pollution Control (IAPC)

## Competent Authorities:

- Ministry of Environment and Forestry (MoEF)
- Governorships



## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)

### National Legislation

- Law No.5015 on Petroleum Market (PML)
- By-Law on Petroleum Market License (By-Law on License)
- By-law on Technical Criteria to be Applied at Petroleum Market (By-law on Technical Criteria )

### Competent Authority

- Energy Market Regulatory Authority (EMRA)



## **NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)**

### **National Legislation**

- Law No. 5434 on Ratification for European Treaty on International Transportation of Dangerous Goods via highways.
- Law No. 2920 on Turkish Civil Aviation
- By-law on Airport Planning, Construction, Operation and Certification.

### **Competent Authority**

Ministry of Transport





## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)

### National Legislation

- Law No. 5335 and By-law on Construction of Public Buildings
- UIC Paper No. 471-3 (International Union of Railways Company)
- By-law on Transportation of Dangerous Goods via Railways
- By-law on Bilateral Use of Wagons for International Transportation
  
- **Competent Authority**  
Ministry of Transport



## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED

- The Undersecretariat for Maritime Affairs is responsible to apply and to inspect all the international regulations for ships according to the SOLAS Convention, MARPOL Convention (Annex I, II and V) and IMDG Code.
- Motor vehicles and trailers designed for transport of dangerous substances (covered by 98/91/EC) are approved and registered for traffic by the Ministry of Industry and Trade



## **NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)**

### **National Legislation**

- Law No. 5393 on Municipalities
- Law No. 5216 on Metropolitan Municipalities
- Law No. 5302 on Special Provincial Administrations
- By-law on Start-up and Operation Licenses of Workplaces

### **Competent Authorities**

Metropolitan Municipalities, Municipalities, Special Provincial Administrations





## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)

### **By-Law on Industrial Air Pollution Control;**

Installations are identified in,

- Annex III, Paragraphs 9.1 and 9.2 which lists the activities and storage facilities subject to emission permit.
- Article 43.Y defines emission limit values, techniques and standards to be applied in petroleum storage facilities- for both fixed and floating roof.



## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)

### **By-Law on Industrial Air Pollution Control;**

- Article 39 describes requirements for general cases, limit values in case certain substances such as toxic, carcinogenic or persistent pollutants are involved or emitted in the process
- Article 40 prescribes monitoring of air quality in the plant impact area and estimation of plant's contribution to the local air pollution when needed



## NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)

### National Legislation

- Licensing in Article 3 of Petroleum Market Law (PML),
- Article 7 of By-Law on License
- Article 5 of By-law on Technical Criteria

### Competent authority

EMRA



## **NATIONAL LEGISLATION AND INSTITUTIONS INVOLVED (CONT'D)**

### **By-law on Start-up and Operation Licenses of Workplaces (SOLW) :**

- Article 4 (Definition)
- Article 5 (other relevant permit)
- Article 6 (start-up and operation )
- Annex 2 (Unsanitary Installations List)

### **Competent Authorities**

Metropolitan Municipalities, Municipalities, Special Provincial Administrations



## INSTITUTIONAL FRAMEWORK

- **MoEF** is the competent authority for issuing emission permit to petroleum storage facilities.
- **EMRA** grants licences for service stations after all responsibilities are fulfilled according to Workplace By-law. EMRA is also the competent authority for licensing storing terminals.





## CHALLENGES

- **Transposition:**
  - A framework regulation meeting the requirements of the Directive should be made with contributions of related institutions.
  
- **Implementation:**
  - Preparation of an inventory of the plants, storage facilities, etc. covered by the directive
  - Meeting the requirements of the Directive for existing installations, especially small enterprises, due to high investment costs
  
- **Institutional restructuring:**
  - Establishing an effective permitting, monitoring, coordination and inspection system to reduce VOC emissions in harmony with the Directive



**Thank you for your attention**