



Multilateral Screening Meeting - Croatia and Turkey

Chapter 27 – Environment – Water quality

Brussels, 4 April 2006

**Discharges of Dangerous
Substance Directive**

76/464/EEC

and “daughter” directives

Existing legislation



- **Old generation**
 - **Directive 76/464/EEC – “framework Directive” on discharge of dangerous substances**
 - **Five specific Daughter Directives**
- **New generation**
 - **Directive 2000/60/EC - Water Framework Directive**
 - **Decision 2455/2001 – amending Annex X of the WFD**

"Daughter Directives"



- 82/176/EEC : **Mercury** (only chlor-alkali electrolysis industry)
- 83/513/EEC : **Cadmium**
- 84/156/EEC : **Mercury** (all other sectors)
- 84/491/EEC : **Hexachlorocyclohexane**
- 86/280/EEC : Dangerous Substances Discharges :
 - Carbon tetrachloride
 - DDT
 - **Pentachlorophenol**
(as amended by 88/347/EEC)
 - Aldrin, Dieldrin, Endrin and Isodrin
 - **Hexachlorobenzene**
 - **Hexachlorobutadiene**
(as amended by 90/415/EEC)
 - **Chloroform**
 - **1,2-dichloroethane (EDC)**
 - Trichloroethylene (TRI)
 - Perchloroethylene (PER)
 - **Trichlorobenzene(TCB) incl. 1,2,4-TCB**

Which hazardous substances are we talking about ?



- 76/464/EEC
 - Dangerous substances
 - “List I”
 - The 18 substances regulated under “so called daughter Directives”
 - “PBT”
 - “List II”
 - **All other** substances belonging to the categories included in Annex I (List I and List II)
 - Deleterious effect on the aquatic environment
 - **Minimum 139 substances** (some of which are PS)
 - Identified by the Member States
 - Reason must be given in the PRPs why a substance (of the 139) is not of concern
- Water Framework Directive (2000/60/EC)
 - Priority substances:
 - “presenting a significant risk to or via the aquatic environment”
 - *included in annex X WFD*
 - Hazardous substances (or priority hazardous substances) :
 - PBT or other equivalent concern
 - *Part of the priority substances in annex X WFD*
 - Other pollutants :
 - “any substance liable to cause pollution”
 - Identified by river basin
 - *categories included in annex VIII*

Candidate list of 139 list II Substances



- **25 individual substances listed as List II in DSD (e.g. Pb, Ni, P, N etc)**
- **15 Candidate List I (1990 proposal)**
- **99 substances - European Court Decision (99 = 132 (candidate List of 129 +3 - 1982 Communication) - 18 List 1 - 15 Candidate List I (1990 proposal))**
- **Some of the 139 are PS under WFD**

Scope and definitions - Art. 1



- **Inland surface waters, internal coastal waters and territorial waters**
- **Discharges causing pollution (broad definition by the EC Court)**
 - Exemptions : discharges from dredgings, operational discharges from ships in territorial waters, dumping from ships in territorial waters.
- **Pollution is defined as damaging human health, living resources, aquatic ecosystems, other legitimate uses of water resources.**

Objectives - Art. 2

Instruments list I – Art.3



- **Elimination of pollution of surface waters from list I substances**
- **Limitation of pollution of surface waters from list II substances – see Art. 7**
- **Authorisations of discharges containing list I substances in accordance to Art. 5 and 6**

Community action on list I -Article 6



- **Commission to propose legislation laying down:**
 - **Emission limit values for emission standards (concentrations and loads)**
 - **Quality objectives for surface waters**
- **Article repealed in 2000 by the WFD**
- **“Daughter” directives are in force**

“Daughter Directives”



- **List I substances – aim to eliminate pollution**
- **Substance and sector specific emission limit values (ELVS)**
- **Alternative approach : Quality Objectives**
- **Other sectors – minimum requirements**
- **Control of diffuse and multiple sources**
- **Emission inventory**
- **New installations – Best available techniques**
- **WFD art 16 suggest review, replacement and repeal...**

Pollution Reduction Programmes for list II - Article 7



- **List II substances – reduce pollution**
- **Identification of relevant substances**
 - **Emissions inventory – point & diffuse sources**
 - **Thorough screening of quality of surface waters**
- **Monitoring network**
- **Prior authorisation of discharges**
- **Composition and use of substances to be controlled**
- **Establishment of quality objectives**
- **Comprehensive legislative framework**
- **Publicly available**

Additional Information



<http://europa.eu.int/comm/environment/water/water-dangersub/index.htm>

Several studies on the implementation of Directive 76/464/EEC including:

- [Pollution Reduction Programmes in Europe](#)
- [Achievements and obstacles in the Implementation of Council Directive 76/464/EEC on Aquatic Pollution Control of Dangerous Substances \(1976-2002\)](#)

**On selection of substances
see WFD IMPRESS Guidance No. 3**