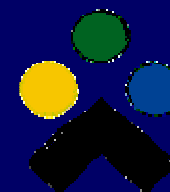




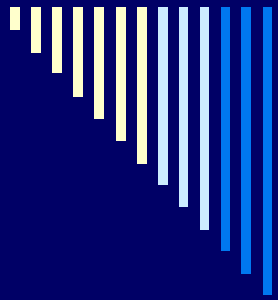
REPUBLIC OF CROATIA
MINISTRY OF ENVIRONMENTAL
PROTECTION, PHYSICAL PLANNING AND
CONSTRUCTION



Procedures for and problems faced in safety reporting in Croatia

DIRECTORATE FOR EIA AND INDUSTRIAL
POLLUTIONS

Hrvoje Buljan, M. Sc. Chem.
Head of Department



Republic of Croatia

Legal harmonisation

The coordination of the environmental legal-harmonisation in the European Union is performed by the committee for the negotiation of an EC agreement



INDUSTRIAL RISK MANAGEMENT – LEGAL FRAMEWORK

- Act of Ratification of Convention on the Transboundary Effects of Industrial Accidents (Official Gazette, IA No. 7/99)**
- Environmental Protection Act (Official Gazette No. 110/07)**



INDUSTRIAL RISK MANAGEMENT – LEGAL FRAMEWORK

- Regulation on the prevention of major accidents involving dangerous substances (Official Gazette No. 114/2008)
- Ordinance on the register of installations in which dangerous substances have been identified and on the register of reported major accidents (Official Gazette No. No.113/08)
- Regulation on the manner of establishing environmental damage (Official Gazette No. 139/08)
- Rule book on the measures for remedying the environmental damage and the restoration programmes (Official Gazette No. 145/08)
- Regulation on information and participation of the public and public concerned in environmental matters (Official Gazette No. 64/08)



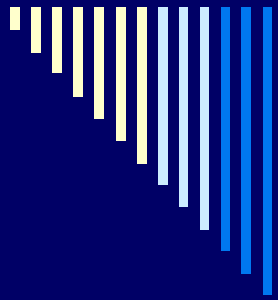
Related legislation

- Rescue and Protection Art (OG, No. 174/04, 79/07)
- Ordinance on the Methodology for Drafting Risk Assessment and protection and Rescue plans (OG, No. 38/08)
- Ordinance of Mobilization and Engagement of protection and Rescue Operational Forces (OG, No. 40/08)

RELATED OBLIGATIONS

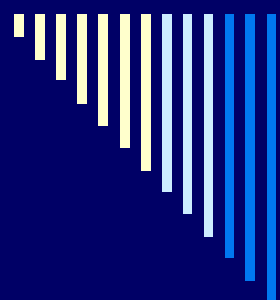
- ❑ Water Protection Plan
- ❑ Fire Protection Act
(including fire risk assessment)
- ❑ Occupational Health and Safety Act
(including occupational risk assessment)
- ❑ Transport of Hazardous Substances Act





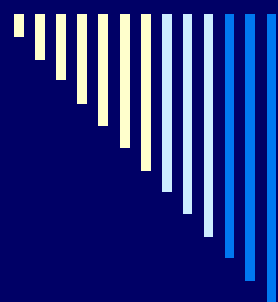
Environmental Protection Act

- ❑ Obligations of the Operator in Relation to Prevention of Major Accidents
- ❑ Exemptions
- ❑ Approval of Safety Report (in general)
- ❑ Changes in Operation of Installation
- ❑ Notification on the Implementation of Safety Measures



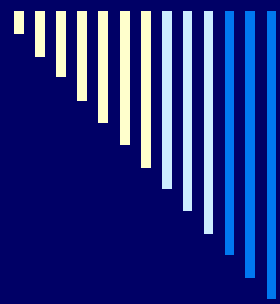
Environmental Protection Act

- ❑ Notification in Case of Major Accidents
- ❑ Data Exchange for the Purpose of Preventing and Mitigating Domino Effects
- ❑ Registry of Installations in which Dangerous Substances are Present



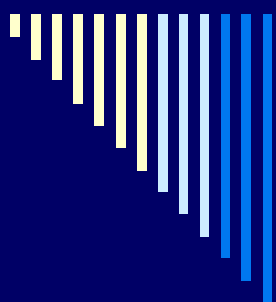
Regulation on the prevention of major accidents involving dangerous substances (Official Gazette No. 114/2008)

- Defines the obligations of the Operator and Competent Authorities in relation to prevention of MA and mitigation of their consequences:
 - Approval of the Safety report
 - Define the obligations of the Operator in the case of changes in Operation of the Installation
 - Notification on the implementation of safety measures (available to the public!)
 - Notification in the case of major accident
 - Data exchange for the purpose of preventing and mitigating domino effects
 - Registry of installations in which hazardous substances are present
 - Physical plans as an environmental protection instruments
 - Procedures in the case of the transboundary effects of MA
- Manner of performing inspectional supervision

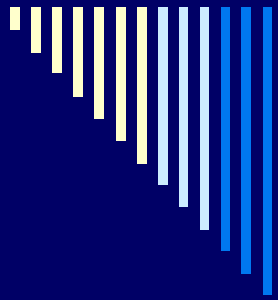


Regulation on information and participation of the public and public concerned in environmental matters (Official Gazette No. 64/2008)

- ☐ Public information in the procedure of issuing approval on the Safety Report
- ☐ Manner of publishing information
- ☐ Mandatory duration of the period for information dissemination



**Croatian national legislation is fully
complied with Seveso II Directive.**



National Authorities

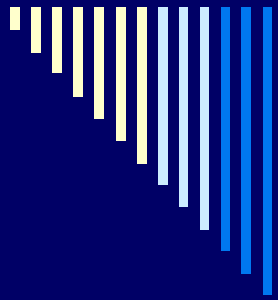
- Ministry of Environmental Protection
Physical Planning and Constructions
- National Protection and Rescue
Directorate

- 
- Croatian Environment Agency is responsible for establishment, development, maintenance and coordination of a REGISTER of installations with DS for Croatia



Seveso Companies

- Number of Seveso sites: 186
- Number of Seveso companies: 82
 - 54 lower tier
 - 28 upper tier
- Main Seveso activities:
 - petrochemical industry, fertilizer plants, LPG storage, petroleum products storage and distribution, pharmaceutical industries and other storage of dangerous substances



Safety analysis and safety report

The operator of the lower tier hazardous establishment shall prepare a safety analysis.

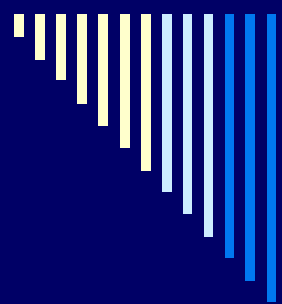
The operator of the upper tier hazardous establishment shall prepare a safety report.

The operator shall review the safety report and safety analysis –following the acceptance by the authority - at least every five years, and where necessary modify.



Safety Report

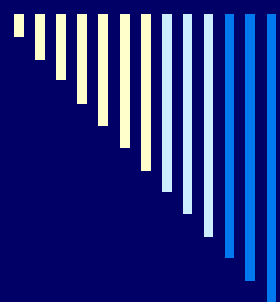
In the safety report and safety analysis the operator shall demonstrate that his major-accident involving dangerous substances prevention policy and the response to the consequences of such accidents, and the equipment and management system of the establishment ensuring the high level of protection of human health and the environment



Approval of the Safety Report

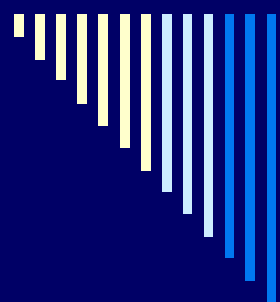
The operator had obligation to submit the Safety Report to the Ministry for approval within the following deadlines:

- For new installation – in the period prior to the start of construction or of operation
- For existing installation – 30 September 2009



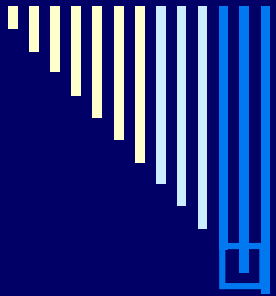
Approval of the Safety Report

- A legal person authorised for performing professional environmental protection activities may perform activities related to developing safety reports
- Audit of projects may be performed by a legal person (AUDITOR) which has obtained authorisation for the performance



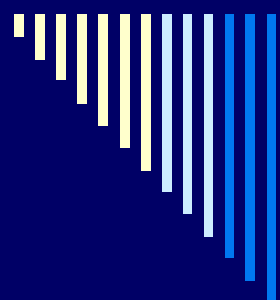
Approval of the Safety Report

- In the procedure for issuing approval of the Safety Report the Minister may, depending on the specific techniques applied in the operation of the installation to which the Report refers, authorize an auditor
- The approval will be issued for a period of five years from the day of issuance.



□ In line with Guidance on the preparation of a Safety Report to meet the requirements of Seveso II Croatian Center for Cleaner Production prepared *Methodology for implementation of activities regarding Seveso II Directive*

□ www.mzopu.hr



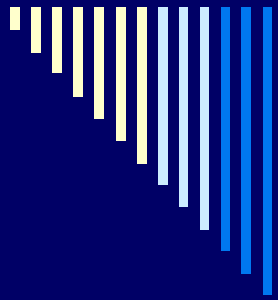
SEVESO INSPECTION IN CROATIA

- Agreement on co-operation between inspection services in the field of environment, 5. Jun 2008
 - Co-ordinated inspection controls of installations involving hazardous substances which may cause major accidents
 - Annual plan, submitted report on coordinated inspection available on web



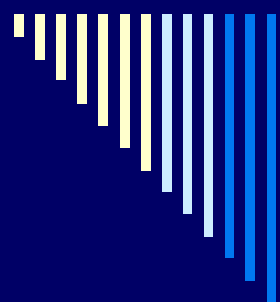
RELATED COMPETENT INSPECTIONS

- ❑ FIRE PROTECTION INSPECTION
- ❑ WORK SAFETY INSPECTION
- ❑ WATER PROTECTION INSPECTION
- ❑ NATIONAL PROTECTION AND RESCUE
DIRECTORATE
- ❑ VESSEL PREASURE INSPECTION
- ❑ SANITARY INSPECTION (TOXIC
SUBSTANCES)



Challenges and shortcomings

- ❑ **Strengthening administrative capacity**
- ❑ **Lack of experience regarding evaluation of SR**
- ❑ **Improvement of cooperation and coordination among different authorities**



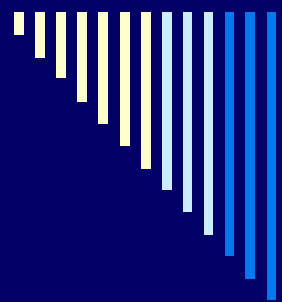
The way forward

□ **ONGOING PROJECT:**

- Twinning Project – “Chemical Safety – Strengthening Legal Framework of Institutional Infrastructure for Protection from Dangerous Chemicals”

□ **PROJECT IN PREPARATION:**

- Bilateral cooperation – DCMR Environmental Protection Agency (Netherland)
- **Education, workshops, consultation among all stakeholders**



Thank you for your attention!

Croatian orchid (Hrvatska orhideja)
Dactylorhiza majalis (Kaćunak)

