Implementation of industrial risk and accident prevention policies in the Republic of Croatia

Hana Mesić, BC Project Leader
Chemicals in the industrial sector and modern society
Industrial accidents

The competent authorities for Seveso Directives implementation in Croatia:

- Ministry of Environment and Energy
- National Protection and Rescue Directorate

Seveso was transposed in 2008, and Seveso III in 2013 through Croatian Environmental Protection Act (OG, No. 80/13, 78/15):

- Regulation on the prevention of major accidents involving dangerous substances (OG, No. 44/14, 31/17, 45/17)
- Ordinance on the register of establishments in which dangerous substances are present and the register of reported major accidents (OG, No. 139/14)
- Bylaws in the field of protection and rescue
By introducing the Directive on the control of major-accident hazards involving dangerous substances, Seveso Directive, Croatian legislation has ensured:

- increased security in the management of industrial processes,
- reduction of the risk of major accidents and sudden events related to industrial processes and dangerous substances and groups of dangerous substances,
- public awareness and the public concerned about industrial processes and dangerous substances related to industry in their environment,
- transparency of information on possible risks and consequences of major accidents and possible domino effects.
Institutional cooperation

Ministry of Environment and Energy

- competent body for the adoption and interpretation of legislation
- verifies the notification forms for the presence of dangerous substances,
- checks and approves the Safety Report and Major Accident Prevention Policy
- informs the establishments with potential or increased risk of domino effect

Environmental Inspection

- performs independent supervision of establishments
- performs coordinated inspection in co-operation with other competent inspections,
- checks data in notification forms for the presence of dangerous substances in the establishments,
- checks the measures for prevention of major accidents, safety management system and Safety Report
Institutional cooperation

National Protection and Rescue Directorate

- participates in coordinated inspections of Seveso plants,
- conducts separate inspections for under-tier establishments,
- verifies the notification forms for the presence of dangerous substances for under-tiers,
- draws up documents in the field of protection and rescue.
Institutional cooperation

Cooperative Institutions in the Seveso Directives Implementation

Ministry of Construction and Physical Planning (MCPP)
- participate in the physical planning and planning in accordance with the regulation governing the physical planning

Local and Regional Self-Government Units
- Develop External Plans
- Civil protection plans
Institutional cooperation

Close cooperation, communication and coordination will be required with the following project stakeholders:

• Ministry of Construction and Physical Planning (MCPP)
• Ministry of Health
• Croatian Institute for Toxicology and Antidoping (CITA)
• Croatian Chamber of Economy (CCE)
• Ministry of Economy, Entrepreneurship and Crafts (MEEC)
• Ministry of Defence
• Ministry of Culture
• Ministry of Finance - Customs Administration
• Ministry of the Interior
• Ministry of Agriculture
• Hrvatske vode
• Local and regional self-government units
• All relevant inspections
Database Register of establishments in which dangerous substances are present (RPOT) and the Register of reported major accidents (OPVN) contains data on dangerous substances present in industrial plants and warehouses (plant areas), their quantities, properties and hazards, as well as risk assessment data.

**Verification of data** are performed in database by verificators:
- Ministry of Environment and Energy (for upper-tier and lower-tier establishments)
- National Protection and Rescue Directorate (for under-tiers)

Data are **publicly available** in accordance with the Regulation on Information and Public Participation and Public Interest in Environmental Issues (OG 64/08) through the database (http://rpot.azo.hr/rpot/index.html) and annual National reports.
Information contained in RPOT/OPVN is used for:

- Population, heritage and environmental risk assessment (for legal entities and local authority);
- Protection and rescue plans in case of accidents involving dangerous substances and other documents in the area of protection and rescue;
- Production of Spatial Plans,
- Civil protection plans (local and regional authority).
RPOT/OPVN are also used for:

- Reports on progress of implementation of the Seveso Directive in Croatia (EC);
- Reporting to eSPIRS (Seveso Plants Information Retrieval System) (EC/JRC);
- Reporting to eMARS (Major Accident Reporting System) (EC/JRC);
- Reports to the International Commission for the Protection of the Danube River on Seveso plants in Danube River Basin (ICPDR);
- Reports to the Convention on the Transboundary Effects of Industrial Accidents (UNECE/TEIA).
Total of 3,781,242.74 t substances with potential harmful effect for health, environment, physical effects (flammable, explosive) and other dangerous characteristics. Environmentally harmful substances are mostly present (54.38%), as well as flammable and explosive substances (45.08%). Health risk and other dangerous substances are present in low percentages (0.5% and 0.02%).
Thank you!