

Seveso - Scope, Methods

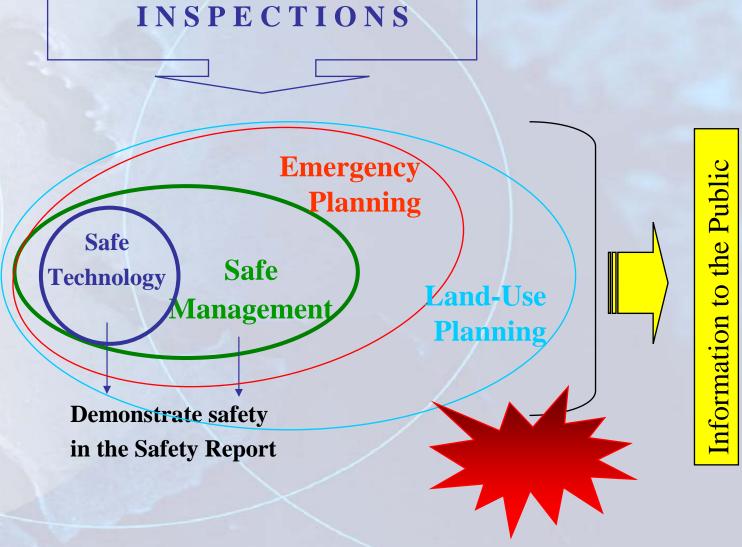
- Mainly chemical and petrochemical industry, storage, big industrial production and energy installations
- Criteria: Hazard-based: Quantity of dangerous substances present
- Requirements proportionate to the risk: 2 tier approach, implementation by Member States
- ~ 10,000 establishments, 45 % upper tier
- Goal-setting directive, contains no detailed procedures or guidelines for risk assessment and management

Seveso II - Aim: <u>high level of protection</u> for man and the environment throughout the EU

Accidental (≠ Continuous) Risks

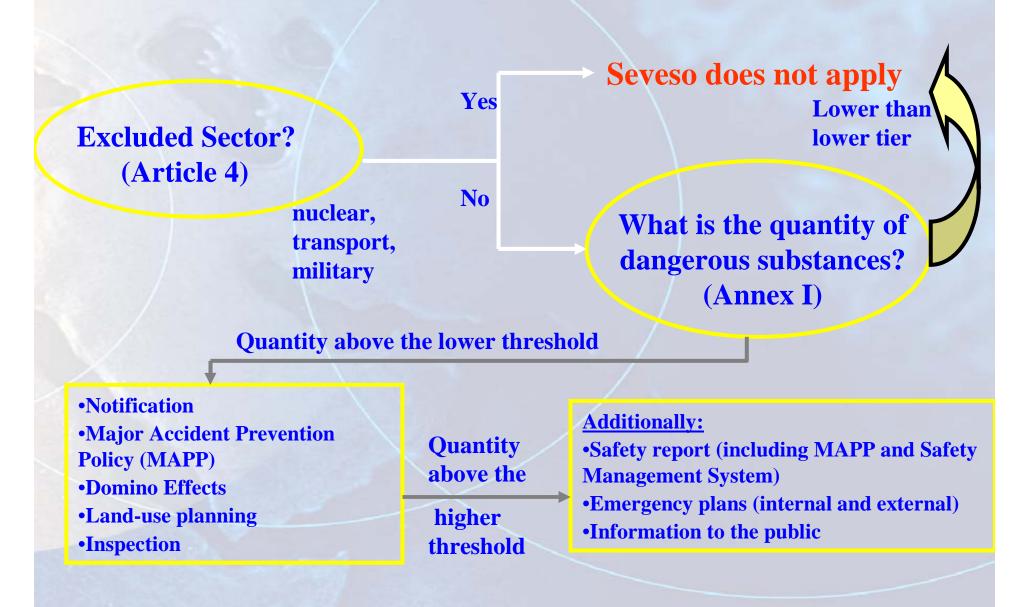
- <u>prevention</u> of major accidents involving dangerous substances
- Safety Management
 is task of the <u>operator</u>
- <u>limitation of the consequences</u> of accidents on man and the environment
- Disaster Management
 is task of the civil protection services

Philosophy of Seveso II Directive



Accident Reporting and Lessons Learnt

Scope & main obligations



Seveso Review

1. Adaptation to the GHS - Globally Harmonised System

Change Reference from DSD and DPD (67/548/EEC and 1999/45/EC) to the new Chemicals Legislation:

CLP Regulation 1272/2008/EC on Classification, labelling and Packaging of Substances and Mixtures

-> Revision of Annex I of the Seveso II Directive

2. General review after 10 years

Adaptation GHS Technical Work Annex I

- Technical Working Group established
- Objective 1:1 Translation to the new System under CLP Regulation 1272/2008/EC
 - Considering new categories, new definitions, new testing, better grid, change from preparations to mixtures, etc.
 - 35 Experts, ³/₄ Member States, ¹/₄ Industry, stakeholders
 - 6 TWG meetings, draft interim report available
 - Final meeting took place in November
- Final Report and draft new Annex I in Winter
- More information on:
- http://ec.europa.eu/environment/seveso/index.htm
- http://mahbsrv.jrc.it/SevesoGHS/index.htm

TWG Seveso and GHS - Draft "GHSified" Annex I Part 2

Section 'H' - HEALTH HAZARDS H1 ACUTE TOXIC 1 H2 ACUTE TOXIC 2 H3 STOT SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE Section 'P' - PHYSICAL HAZARDS P1 OXIDIZING GASES P2 OXIDIZING LIQUIDS AND SOLIDS P3/P4 EXPLOSIVES P5 FLAMMABLE GASES P6/P7 FLAMMABLE AEROSOLS P8/P9/P10 FLAMMABLE LIQUIDS P11/P12 SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES P12 SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES P13 PYROPHORIC LIQUIDS Section 'E' - ENVIRONMENTAL HAZARDS E1/E2 Hazardous to the Aquatic Environment Section 'O' - OTHER HAZARDS O1/O2/O3 ANY CLASSIFICATION in combination with hazard statement:

EUH014,...,EUH029

Impact Assessment GHS Alignment - Study

Necessary where old categories in Seveso not fully match the new GHS categories; Procedure:

- Develop options considering the hazard potential of substances
- Estimate the likely impact of these options
 - substances concerned (difficult for substances currently not in the scope; minimum classification – correct classification?)
 - are these substances relevant in industry
 - are they used in higher quantities
 - number of establishments possibly covered (in/out)
 - Economic Impact
- Results Impact Assessment Study expected soon

Seveso Review

General Review:

- 1. Studies:
- "F-Seveso" Study on the effectiveness of the requirements imposed on operators
- ERM Study on requirements imposed on public authorities,

Results at: http://ec.europa.eu/environment/seveso/index.htm

 EU Action Programme for reducing administrative burdens (Information Obligations), Simplification, project results expected soon

Seveso Review cont.

- Review process with Member States (Results of Implementation reports, feedback Member States, Inspectors (Enforceability), seminars, etc
- 3. Stakeholder consultation: Stakeholder conference 10. November 2009 in Brussels
 - Stakeholders are invited to provide comments. Information and questions on the Commissions Website under: http://ec.europa.eu/environment/seveso/index.htm, Functional Seveso mailbox: env-seveso@ec.europa.eu
- 4. Other issues (security, emerging risks, CCS/CO₂...)
- 5. Horizontal issues, Prevention Strategy (Commission communication) http://ec.europa.eu/environment/civil/pdfdocs/com 2009 82en.pdf
- Clarifications in the wording, readability, definitions, update of references

Emerging Conclusions to date

- No fundamental changes necessary
- Maintain existing approach
- Clarify/update some provisions
- Improve implementation and enforceability
- Avoid adding to administrative burden

Seveso Review cont.

Next steps:

- Information collection and technical work to be finalised by end 2009
- 3 Studies and GHS Impact Assessment study available
- Preparation Commission proposal ½ half 2010, overall Impact Assessment
- Commission proposal 2010



Thank you for your attention

Tobias Biermann
European Commission
Environment Directorate-General
Unit ENV.A.4 - Civil Protection Prevention and Preparedness
B-1049 Brussels
tel +32-2-29-62573

e-mail: tobias.biermann@ec.europa.eu
http://ec.europa.eu/environment/seveso/index.htm