



**Sectoral Social Dialogue Committee
of the European Chemical Industry
Working Group Competitiveness,
Employment and Industrial Policy
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EUROPA > European Commission > Environment

DG ENVIRONMENT

CIVIL PROTECTION - PREVENTION AND PREPAREDNESS

SEVESO

An aerial photograph capturing a catastrophic industrial fire. A massive, billowing plume of thick, black smoke rises vertically from a central point of intense orange and yellow flames. The smoke cloud spreads horizontally as it ascends, partially obscuring the sky. Below the fire, an industrial complex is visible, featuring several large, cylindrical storage tanks and various buildings. The surrounding landscape includes fields and a road, suggesting a rural or semi-rural industrial site. The overall scene conveys the scale and danger of such accidents.

**Priorities for industrial
safety – chemical
accidents**

**The Seveso II Directive (96/82/EC)
on the control of major-accident hazards
involving dangerous substances**

- Amendment in 2003
- **Currently under review**

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: high level of protection for man and the environment throughout the EU

Accidental (≠ Continuous) Risks

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

Philosophy of Seveso II Directive

INSPECTIONS



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, $\frac{3}{4}$ Member States, $\frac{1}{4}$ 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.

2. 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
6. 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 1/2 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>