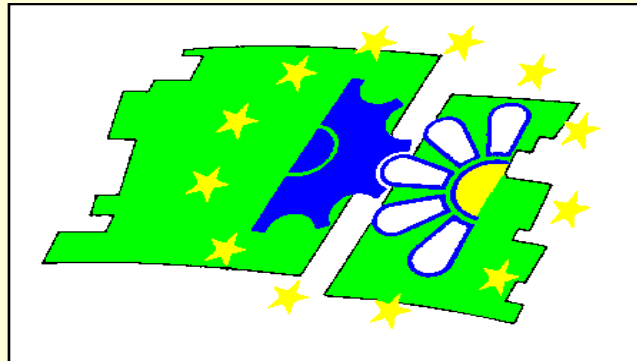


The VOC Solvents Directive 1999/13/EC



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Contents of the presentation

1. **Timetable: key dates**

2. **Scope and aim of the Directive**

3. **Key provisions of the Directive**

tasks of the operator

tasks of competent authority

tasks of Member States

COUNCIL DIRECTIVE_1999/13/EC of 11 March 1999 on the limitation of emissions of **volatile organic compounds due to the use of organic solvents in certain activities and installations**

- **Entry into force: 29 March 1999**
- **Transposition = implementation for new installations:
1 April 2001 (old MS)
date of accession (new MS)**
- **Implementation for existing installations:
31 Oct 2007 (no transitional periods for new MS)**

VOC Solvents Directive

Amended by: **Directive 2004/42/CE** on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

(“Paints directive”)

Result: coating of road vehicles as part of vehicle repair is excluded from the scope of the VOC Solvents Directive

Scope of the Directive

- Activities listed in Annex I
coating, dry cleaning, printing, footwear manufacture, manufacture of pharmaceutical products, wood impregnation, surface cleaning, etc.
- if they are operated above the solvent consumption thresholds listed in Annex IIA

AIM: prevent or reduce the direct and indirect effects of emissions of VOC into the environment and on human health

Summer
smog

**Due to their volatility,
VOC are emitted directly or
indirectly to air.
They undergo complex chemical
reactions in the atmosphere,
causing a number of indirect
effects, in particular the formation
of photochemical oxidants
(e.g.: OZONE)**

Health
risks

- carcinogens
- mutagens
- reprotoxic substances



Key provisions

- **All installation shall comply with:**
 - either the Emission Limit Values in waste gases and fugitive emission values, or the total ELVs (Annex IIA)
- or
- the requirements of the reduction scheme (Annex IIB)

»Keyword: flexibility!

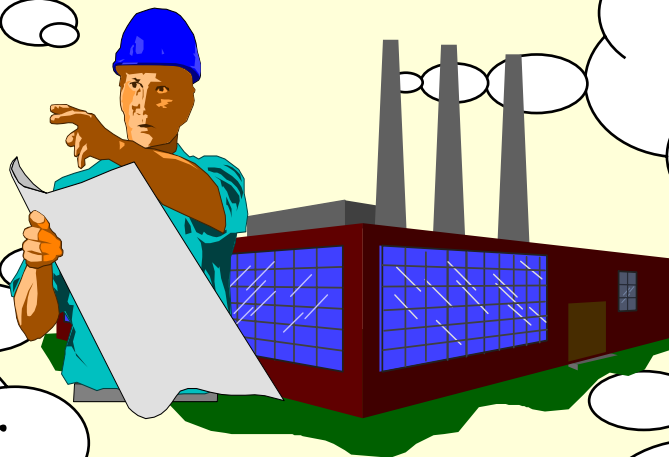
The tasks of the ...

**Meet the ELVs
or
apply a reduction scheme**

**Apply at the
competent authority
for registration
or authorisation**

**Carry out
continuous or
periodic
measurement**

**Replace substances or
preparations
classified as
carcinogens, mutagens
or toxic**



Operator

**Supply the
competent authority
with
necessary data**



Reduction scheme

- **Aim: to allow an operator to make the same reduction as would be made by applying the emission limit values, but to do it by substitution**
- **The scheme is proportional to the level of production and takes into account progress already made**

Abated conditions & full solvent (ELV approach)

=

Non-abated conditions & low solvent (reduction scheme)

The tasks of the ...

**Deliver
authorizations
(where appropriate)**

Verify compliance

**(solvent management plan,
reduction scheme...)**

**Make information
available to the
public**

**Competent
authority**

**Keep an updated
list of the registered
and authorized
installations**

**Supervise derogations
and
reduction scheme**



The tasks of the ...

Design and ensure correct implementation of a national plan
(art 6)

Take the appropriate measures to ensure that the emission limitations are respected
(art 5, 8, 9 & annex II)

Ensure public access to information

Take appropriate measure in case of non-compliance

Report to the Commission on the implementation of the Directive

Determine and implement sanctions applicable to breaches & notify these provisions to the Commission

Member States

Participate to the exchange of information on substitution

Advisory committee

Designate the competent authority



The National Plan option (Art. 6)

The national plan option allows Member States to tailor reduction programmes to their own industrial circumstances. These plans shall result in a reduction of the annual emissions of VOCs by at least the same amount which would have been achieved by applying the emission limitations of the Directive.

No national plan received yet!!



Reporting to the Commission

2003-2004: First reporting period

Sept. 2005: Last date for MS to send back questionnaires

Jul.-Dec.2006: Evaluation of reports of first reporting period

2005-2007: Second reporting period

2008-2010: Third reporting period



Information exchange

- **According to Art.5(6) on substitution of substances**

http://www.europa.eu.int/comm/environment/air/solvents/index_en.htm

- **Includes: a set of guidance documents
a list of links to relevant external
websites**

Conclusions

**Directive
1999/13/EC**

requires strict environmental standards
needed to tackle tropospheric ozone

takes into detailed account the
impact on industry in design of the
controls

provides Member States and industrial
operators with the optimum flexibility
of implementation

