

EGTEI

Review of the Annexes IV, V and VIII
of the 1999 Gothenburg Protocol to
the 1979 Convention on Long-Range
Transboundary Air Pollution to abate
acidification, eutrophication and
ground-level ozone

Convention work plan for EGTEI

- ◆ Make data available for future consideration of revision of technical annexes to Protocols in particular concerning the evaluation of emission limit values for new and existing boilers and process heaters with a rated thermal input larger than 50 MW and new heavy duty vehicles, according to article 3, paragraph 4 of the Protocol with a view to amending annexes IV, V and VIII of the Gothenburg Protocol

Gothenburg Protocol : article 3, paragraph 4

- ◆ **Limit values** for new and existing boilers and process heaters with a rated thermal input larger than 50 MW and new heavy duty vehicles **shall be evaluated by the Parties** at a session of the Executive Body with a view to amending annexes IV, V and VIII of the Gothenburg Protocol no later than two years after the date of entry into force of the Protocol.

What to do for the review of annexes ?

- ◆ Necessity to well understand the objectives of the mandate attributed to EGTEI and the resulting work to be addressed by EGTEI
- ◆ Preparation of a draft document presenting what could be the EGTEI contribution to the process of review
- ◆ Demand for comments from Richard Ballaman
- ◆ Adaptation of the work and demand for participation of EGTEI experts

Gothenburg Protocol: what there is in annexes ?

◆ Annexe IV: Limit values for emissions of SO₂ from stationary sources and S for fuels

Ø Boilers and process heaters with a rated thermal input exceeding 50 MW: ELV

Ø Limit values for the sulphur content of gas-oil

Ø Claus plant producing more than 50 t of S per day: minimum sulphur recovery efficiency

Ø Titanium dioxide production: maximum SO₂ emission per ton of TiO₂ produced

Gothenburg Protocol: : what there is in annexes ?

◆ Annexe V: Limit values for emissions of nitrogen oxides from stationary sources

- Ø Boilers and process heaters with a rated thermal input exceeding 50 MW: ELV
- Ø Combustion turbines with a rated thermal input exceeding 50 MW: ELV
- Ø Cement production producing more than 500 t/d of clinker in rotary kilns or 50 t/d in other furnaces: ELV
- Ø Stationary engines : spark ignition engines 4 strokes > 1 MW and compression ignition engines > 5 MW: ELV

Gothenburg Protocol: : what there is in annexes ?

◆ **Annexe V : limit values for emissions of nitrogen oxides from stationary sources**

Ø Production and processing of metal : metal ore roasting or sintering installations , installations for production of pig iron and steel (capacity > 2,5 t/h), hot rolling mills >20 t/h of crude steel:
ELV

Ø Nitric acid production: ELV

Gothenburg Protocol: : what there is in annexes ?

◆ Annexe VIII : Limit values for fuels and new mobile sources

- Ø Passenger cars and light duty vehicles
- Ø Heavy duty vehicles
- Ø Motorcycles and mopeds
- Ø Non-road vehicles and machines
- Ø Fuel quality

Work presently proposed (Draft document prepared by EGTEI)

- ◆ For activities covered by EC directives (LCP, off-road and on-road sources) comparison of ELVS of the Gothenburg protocol with ELVs of the EC directive
- ◆ For activities not covered by EC directives implementing ELVs, proposal of inquiry to have ELVs implemented in some countries (At least Countries of EGTEI experts)
- ◆ Provision of costs data to reach these ELVs (those from EGTEI when available for the time being)

Comments from Richard Ballaman

- ◆ Document very useful when the Gothenburg protocol will be in revision (re-enforcement of the protocol). The re-enforcement of the Protocol is scheduled after the EB of 2007
- ◆ A two step approach can be considered : the review phase and the studies and discussions for re-enforcement. Presently, work has to be carried out for the **review** of the Protocol
- ◆ When the Protocol was issued, EC directives for LCP and on-road sources (EURO 5) were in preparation. **Check if content of annexes are coherent with EC directives**
- ◆ **Expectation of recommendations from EGTEI**

How to process and carry out efficiently the work

- ◆ Restructure the draft document, remove data related to costs
- ◆ Set up a little group of experts to check what has been done in the draft document and make recommendations. Who is volunteer? CITEPA will manage the system
- ◆ For activities not subject to EC directives
Enquiry launched by EGTEI inside the group to collect the ELVs implemented in some countries

Time schedule for review of annexes

- ◆ EGTEI document for the review ready for the next WGSR meeting (April 2007) but for translation reason document to be ready at the end of January at the latest

Review of annexes - Discussions

- ◆ Discussions – comments
- ◆ CITEPA proposes to collect the data and prepare the document for comments by national experts and to prepare the questionnaire and send it to experts
- ◆ Research of volunteers (national experts)
Who is volunteer to comment, answer the questionnaire and participate to the recommendations to be addressed to the WGSR ?
- ◆ Define dates of delivery of comments and answers to the questionnaire