

Setting Environmental Quality Standards for priority substances

Revision of methodology in the Water Framework Directive
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Rijkswaterstaat

Presentation outline

- ▶ Background
- ▶ Working group tasks
- ▶ Main themes and discussion points
- ▶ Time schedule
- ▶ Present state of the work



Background

- ▶ Proposed Daughter directive sets limits for priority substances
- ▶ Amendments:
 - ▶ need for methods for sediment and biota EQSs
 - ▶ Need for methods for mixtures EQSs
 - ▶ Need for revising metals EQSs
 - ▶ Need for revising transitional waters EQSs
- ▶ Expert working group on EQS established
- ▶ This presentation: overview of activities of expert working group

Participants in the expert working group

- ▶ Experts from all member states (government) were invited to participate in the discussion
- ▶ Participants from other parties (CEDA, CEFIC, CONCAWE, ECPA, EEB, Eurocopper, Eurométaux, EWA) were also invited
- ▶ The JRC-ECB coordinates all input



Tasks of expert working group - 1

- ▶ Revise EQS methodology
 - ▶ Propose new methodology using Lepper, 2005
 - ▶ Take all comments into account (i.e. CSTEER report)
 - ▶ Be consistent with TGD
 - ▶ Incorporate new guidance from Reach Implementation Projects
 - ▶ Include present state of science



Tasks of expert working group - 2

- ▶ Derive new EQSs
 - ▶ For new priority substances
 - ▶ For sediments
 - ▶ For biota
 - ▶ Review original 33 EQSs (new data?)
- ▶ Develop method for prioritising new substances for EQS development



Main themes: subgroups to draft parts of guidance

- ▶ General issues
- ▶ Organics in water
- ▶ Organics in biota
- ▶ Organics in sediment
- ▶ Metals in water and biota
- ▶ Metals in sediment
- ▶ Mixtures
- ▶ New priority substances



Dividing the work

- ▶ Each group has a rapporteur who
 - ▶ Organizes (written) input from group members
 - ▶ Organizes discussion meeting when necessary
 - ▶ Compiles input into one document

- ▶ Input from group members
 - ▶ Written documents
 - ▶ Participate in discussion
 - ▶ Consult other experts



Discussion points from several groups - 1

- ▶ General issues
 - ▶ Use of QSARs
 - ▶ Data availability
 - ▶ (un)certainty
 - ▶ Data review
 - ▶ No EQS when not enough data
- ▶ Organics in sediment
 - ▶ EQS or assessment scheme? -> next presentation!
- ▶ Metals in sediment
 - ▶ Several discussion points -> third presentation!



Discussion points from several groups - 1

- ▶ Metals in water / biota
 - ▶ Availability of metals (BLMs)
- ▶ Organics in water
 - ▶ Total or dissolved concentration
 - ▶ Use of mesocosm data
 - ▶ Combination of freshwater and saltwater data sets allowed?
- ▶ Organics in biota
 - ▶ Secondary poisoning
 - ▶ Can representative biota be identified
 - ▶ Biomagnification in freshwater and marine environments



Overall time schedule



Present status of the work

- ▶ Rapporteurs meeting held in April
- ▶ Tasks for drafting and technical meetings identified
- ▶ July/August: draft texts edited, consultation of national experts for review
- ▶ September: plenary meeting foreseen early September
- ▶ Presentation to WG-E (Prioritisation Substances) meeting of October

