Workshop on Implementation of BAT Conclusions for Waste Incineration

The puzzle of future environmental permits

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Krakow WtE plant, Poland
A process that started a long time ago...

Work of the Commission Technical Working Group (TWG)  Implementation

Work of the Joint Working Group (JWG)

Sept 2012  May 2014  June 2019  Sept 2023
A process that started a long time ago...

- Timelines for some BREF reviews

We followed directly the review of 3 BREFs (WI, WT and LCP) and the Reference Report on Monitoring (ROM)
A process that started a long time ago...

The work was mainly undertaken by CEWEP-ESWET JWG on BREF WI Review (around 35 members)

• **Observers**: FEAD, MWE

• **Multidisciplinary approach**, experts of different fields

• **Several subgroups** (BAT for Residues, National/Regional Rules, Measurement and Monitoring, Energy issues, Costs, Questionnaire for operators, Methods to derive BATAELs from data, Emerging Techniques, Emissions to Water)
And after many, many meetings...

28 meetings of CEWEP-ESWET Joint Working Group

10 bilateral meetings with EIPPCB/Commission

Dozens of meetings with other industrial associations/stakeholders

And countless hours of man and womanpower
...We are now ready to have more!

- Development of CEWEP-ESWET-FEAD Explanatory and Guidance document
- Involvement of experts from CEN to adapt the standards
- Workshops and meetings to provide implementation support
- Support for information exchange among members
- And countless hours of man and womanpower
Why this workshop?

Revised WI BAT Conclusions will be published in Summer 2019

All permits will have to be reviewed after 4 years of the publication

Reviewed WI BAT conclusions will include mandatory requirements e.g. for emissions to air

The Industrial Emissions Directive clearly states that (Art. 15.3) competent authorities shall set Emission Limit Values that ensure that emissions do not exceed BAT - Associated Emission Levels (BATAELs) in Normal Operating Conditions.
Why this workshop?

WI BAT Conclusions are not user-friendly:

A number of information are not given in the WI BAT conclusions because they are included

• in other pieces of legislation (no direct reference)
• in other sections of the WI BREF (no direct reference)
• or left as implementation issue for Member States

Several issues are complex and open to interpretation

Identify potential problems and possible solutions
Programme of the day

11:15 – 11:45 Panoramic view of the puzzle: legal framework and background
11:45 – 12:30 WI BREF and BAT conclusions: review, content and what is unsaid
12:30 – 12:45 Coffee break
12:45 – 13:30 Puzzle piece 1: the NOC/OTNOC issue
13:30 – 14:30 Lunch break
14:30 – 15:00 Puzzle piece 2: bottom ash and water emissions
15:00 – 15:30 Puzzle piece 3: calculation of energy efficiency
15:30 – 15:45 Coffee break
15:45 – 16:30 Puzzle piece 4: measurement uncertainty
16:30 – 17:00 Presentation of the draft guidance document on WI BREF
17:00 – 17:30 Assessment of compliance with examples
17:30 – 18:00 Conclusions and feedback
18:00 – 19:00 Cocktail
Before...
...After
P.S. Expectations
P.P.S. Questions

At the end of every session there will be time for questions. You can ask them directly or use www.sli.do using the hashtag BREF2019.
P.P.P.S. Acronyms and abbreviations

• **IED**: Industrial Emission Directive (2010/75/EU)
• **EIPPCB/JRC**: European IPPC Bureau, part of the Joint Research Center.
• **TWG**: Technical Working Group set up by European Commission to review BREFs
• **BATAELs**: BAT Associated Emission Levels
• **BATAEPLs**: BAT Associated Environmental Performance Levels
• **BATAEELs**: BAT Associated Energy Efficiency Levels
• **ELVs**: Emission Limit Values
• **MSW**: Municipal Solid Waste
• **ONHW**: Other Non Hazardous Waste
• **HW**: Hazardous waste
• **SS**: Sewage sludge
• **NOC**: Normal Operation Conditions
• **OTNOC**: Other Than Normal Operation Conditions
• **EOT**: Effective Operating Time
• **R-EOT**: Relevant EOT (EOT when waste is burning)
• **AMS**: Automated Monitoring System
• **SRM**: Standard Reference Method
• **QAL1**: Quality Assurance Level 1
• **QAL2**: Quality Assurance Level 2
• **AST**: Annual Surveillance Test
• **GUM**: Guidance on Uncertainty Measurements
• **ILC**: Inter Laboratory Comparison
• **DAHS**: Data Acquisition and Handling System
Enjoy the puzzle!

Questions?