



# **Kick-off meeting of the Technical Working Group (TWG) for the review of the Best Available Techniques (BAT ) reference document for the Waste Treatments Industries (WT BREF)**

## **Conclusions of the kick-off meeting**



# **WT BREF review**

## **1. Conclusions on Scope**

## Summary of items for discussion - Scope

BP Pages 6 – 15

### **1. Scope of the WT BREF**

#### **1.1 Definitions of terms used in the WT BREF (BP 2.1.6)**

#### **1.2 Activities within the scope and consistency with the IED (BP 2.1.2)**

#### **1.3 Interface with other legislation and other BREFs (BP 2.1.1)**

#### **1.4 Quality of the output from waste treatment (BP 2.1.3)**

#### **1.5 Slag, ashes, residues from flue-gas treatment (BP 2.1.4)**

#### **1.6 Directly associated activities (BP 2.1.5)**

## 1.1 Definitions of terms used in the WT BREF

BP Page 15

### Conclusions (1/2)

- a. The WT BREF review process will be used to adjust/add definitions (e.g. biowaste, OTNOC, VOC, recovery efficiency, dismantling, first depolluting, dioxins...)*
- b. TWG members to submit in BATIS proposals for definitions needed in the questionnaire by 21/02/2014*
- c. TWG members to submit in BATIS further definition proposals and a list of definitions needed in the BREF and/or in the BAT conclusions (BATC) during the information collection period*

## 1.1 Definitions of terms used in the WT BREF

BP Page 15

### Conclusions (2/2)

- d. Standard definitions will be used consistently with the same definitions as in the BREF series as much as possible (e.g. new and existing installation/plant)*
- e. To adjust the definition of 'output'*

## Summary of items for discussion – Scope

BP Pages 6 – 15

### 1. Scope of the WT BREF

1.1 Definitions of terms used in the WT BREF (BP 2.1.6)

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1.6 Directly associated activities (BP 2.1.5)

## 1.2 Activities within the scope and consistency with the IED

### Conclusions (1/5)

BP Pages 9 – 10

*a. To include in the BREF and BATC scope:*

- **Activities listed in points 5.1, 5.3 and 5.5 of the IED Annex I with the exceptions further defined**

## 1.2 Activities within the scope and consistency with the IED

### Conclusions (2/5)

BP Pages 9 – 10

*b. To include in the BREF and BATC scope a general list of waste treatments:*

- **Temporary storage of waste**
- **Mechanical treatment of waste** (*this includes e.g. the mechanical treatment of waste to be used as a fuel, shredding of metal waste*)
- **Biological treatment of waste**
- **Physico-chemical treatment of waste** (*this includes e.g. the re-refining of oil*)
- **Combined treatment of waste** (*this includes e.g. the mechanical – biological treatment of waste (MBT), the combination of mechanical and physico-chemical treatment of waste*)



## 1.2 Activities within the scope and consistency with the IED

### Conclusions (3/5)

BP Pages 9 – 10

*c. To include in the BREF and BATC scope a general list of process steps:*

- **Loading, unloading, temporary storage and handling of waste**
- **Blending and mixing of waste**

## 1.2 Activities within the scope and consistency with the IED

### Conclusions (4/5)

BP Pages 9 – 10

*d. To exclude from the BREF and BATC scope:*

- **the smelting of scrap metal and its directly associated activities. Pre-treatment of scrap metals could be part of the WT BREF and BATC scope**
- **the shredding of batteries subject to the EIPPCB checking of other BREFs scopes**
- **the remediation of *in situ* contaminated soil (i.e. unexcavated)**

*e. To keep consistency, complement and avoid duplication with the scopes of other BREFs (e.g. NFM/IS/SF/FMP BREFs)*

## 1.2 Activities within the scope and consistency with the IED

### Conclusions (5/5)

BP Pages 9– 10

- f. To mirror the BAT conclusions scope in the BREF scope. In order to assist the reader, to add, when necessary, some further explanations in the BREF scope, e.g. by updating the mapping table in the current BREF scope (p. xxix) with non-prescriptive and non-exhaustive examples*
- g. To change the title of the BREF from 'BREF for the Waste Treatments Industries' to 'BREF for Waste Treatment' in order to also include IED WT plants located within non-WT IED installations. Overlapping with the scope of other BREFs will be avoided*

## Summary of items for discussion – Scope

BP Pages 6 – 15

### **1. Scope of the WT BREF**

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**1.6 Directly associated activities (BP 2.1.5)**

## 1.3 Interface with other legislation and other BREFs

BP Pages 6 – 9

### Conclusions (1/6)

#### *a. To include in the BREF and BATC scope:*

- The treatment of liquid waste when the waste treatment IED plant/installation is located outside the boundary of the installation/site producing the liquid waste (e.g. leachate from landfill), and the treatment IED plant/installation is 'permitted to treat waste' in accordance with the Waste Framework Directive.
- Pre-treatment of waste to be used in other (IED) installations unless already covered in another BREF.

## 1.3 Interface with other legislation and other BREFs

BP Pages 6 – 9

### Conclusions (2/6)

*b. To exclude from the WT BREF and BATC scope:*

- Landfilling
- underground permanent / long-term (>1 year) storage
- underground recovery (e.g. backfilling of mining voids)
- surface impoundment (Activity 5.1(k) of the IED Annex I)
- Pyrolysis, gasification.

*c. To include in the WT BREF and BATC scope the pre-treatment before landfilling and backfilling*

## 1.3 Interface with other legislation and other BREFs

### Conclusions (3/6)

d. To exclude from the BREF and BATC scope:

- First depolluting and subsequent dismantling, prior to mechanical or physico-chemical treatment, of end-of-life vehicles and WEEE; however, this activity could be covered as a directly associated activity (DAA) according to decisions taken on DAA (see slide 25)
- installations/plants covered in the CWW BREF or in other BREFs covering Activity 6.11 of the IED Annex I (*'Independently operated treatment of waste water not covered by Directive 91/271/EEC and discharged by an installation covered by the IED Chapter II'*)

## 1.3 Interface with other legislation and other BREFs

BP Pages 6 – 9

### Conclusions (4/6)

- e. *Matters that only concern safety in the workplace or the safety of products is not the focus of the BREF review. However, information related to these aspects will be taken into account in the integrated assessment for the identification and the formulation of the BAT (e.g. for formulating applicability constraints).*



## 1.3 Interface with other legislation and other BREFs

BP Pages 6 – 9

### Conclusions (5/6)

- f. To not explain or reinforce in the WT BAT conclusions' scope any legal references to EU legislative acts (factual references to EU legal acts can be made or updated in the WT BREF where deemed necessary; TWG members to indicate EU legislation they consider to have an important influence on the WT BREF)*
- g. To insert in the WT BREF and BATC scope a table listing the BREFs where other relevant activities are dealt with*
- h. To maximise cross-references to other BREFs wherever useful and appropriate in the WT BREF*

## 1.3 Interface with other legislation and other BREFs

BP Pages 6 – 9

### Conclusions (6/6)

- i. To list in the WT BREF and BATC scope the relevant interfaces with other legislation and with the non-IED BREF on Management of Tailings and Waste-rock in Mining Activities (MTWR BREF)*
- j. To never establish in the BAT conclusions (or in the WT BREF) whether a waste is hazardous or non-hazardous; to consider the hazardous properties of waste input within the assessment of techniques' performance data to determine BAT conclusions*

## Summary of items for discussion – Scope

BP Pages 6 – 15

### **1. Scope of the WT BREF**

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**1.5 Slag, ashes, residues from flue-gas treatment (BP 2.1.4)**

**1.6 Directly associated activities (BP 2.1.5)**

## 1.4 Quality of the output from waste treatment

BP Pages 11 – 12

### Conclusions

*a. To exclude from the WT BREF and BATC scope:*

- **defining end-of-waste criteria, product specifications and by-products criteria**
- **defining acceptance criteria in the downstream utilisation of output from waste treatment installations (e.g. defining acceptance criteria for waste to be used as a fuel in incinerators, defining acceptance criteria for recovered materials in mines backfilling)**

*b. To request the following information in the questionnaire:*

- **waste input and output quality to determine whether they are correlated with the environmental performances of the WT installation producing the output and/or using the input**
- **if an output quality management system is implemented, and, if so, which**

## Summary of items for discussion – Scope

BP Pages 6 – 15

### **1. Scope of the WT BREF**

**1.1 Definitions of terms used in the WT BREF (BP 2.1.6)**

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**1.4 Quality of the output from waste treatment (BP 2.1.3)**

**1.5 Slag, ashes, residues from flue-gas treatment (BP 2.1.4)**

**1.6 Directly associated activities (BP 2.1.5)**

## 1.5 Slag, ashes, residues from flue-gas treatment

### Conclusions

*a. To include in the BREF and BATC scope:*

- **the treatment of fly ash and other residues from flue-gas cleaning**

*b. To exclude from the BREF and BATC scope:*

- **the treatment of slag and bottom ash**

*c. In the BREF and BATC scope, to cross-reference the BREFs (including draft BREFs) where slag/bottom ash treatment is covered (e.g. IS, NFM, WI)*

*d. The WT TWG recommend that the treatment of slag and bottom ash is covered in the WI BREF*

## Summary of items for discussion - Scope

BP Pages 6 – 15

### **1. Scope of the WT BREF**

**1.1 Definitions of terms used in the WT BREF (BP 2.1.6)**

**1.2 Activities within the scope and consistency with the IED (BP 2.1.2)**

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**1.6 Directly associated activities (BP 2.1.5)**

## 1.6 Directly associated activities

BP Page 14

### Conclusions (1/3)

*a. In the context of the WT BREF review, 'directly associated activities' (see definition in the IED Article 3(3)) are activities technically connected to the main activity and are either:*

- **activities associated to an IED installation performing a waste treatment activity covered by the WT BREF; or**
- **waste treatment activities that are directly associated to another main IED activity covered in other BREFs.**



## 1.6 Directly associated activities

BP Page 14

### Conclusions (2/3)

*b. To include in the WT BREF and BATC scope:*

- **'directly associated activities' that are commonly associated with waste treatment activities**
- **waste treatment processes/plants/installations located in installations covered in other BREFs when those BREFs do not cover those waste treatment activities**

*c. To identify commonly directly associated activities via the data collection process, including during the development of the questionnaire*

## 1.6 Directly associated activities

BP Page 14

### Conclusions (3/3)

*d. To exclude from the WT BREF and BATC scope:*

- **upstream and downstream activities that are not commonly directly associated with the waste treatment operation**
- **direct recovery (i.e. without pre-treatment) of waste in IED installations covered in other BREFs**



# **WT BREF review**

## **2. Conclusions on Structure**



## Summary of items for discussion: Structure

### 2. Structure

BP Pages 16 – 20

#### 2.1 BAT conclusions structure (BP 2.2.1)

#### 2.2 BREF structure (BP 2.2.2)

## 2.1 BAT conclusions' structure

BP Pages 16 – 18

### Conclusions (1/2)

- a. To structure the BAT conclusions according to the main treatment process categories in combination with a waste stream as the first level criterion*
- b. To set BAT conclusions on the identified key environmental issues, either at the general level (general BAT conclusions) or at the process-specific one*
- c. To cover the preparation of waste to be used as fuel partly in mechanical treatment, partly in biological treatment, and partly in physico-chemical treatment, and to make the proper cross-references between the three sections*
- d. EIPPCB to share with the TWG an updated working document on BAT conclusions structure (i.e. updating BP Annex II)*

## 2.1 BAT conclusions structure

BP Pages 16 – 18

### Conclusions (2/2)

- e. To cover the recovery of materials as a transversal issue across all the processes where material recovery is possible*
- f. To further split the BAT conclusions' structure by using further subcategories on the basis of evidence shown in the data collection (e.g. for hazardous/non-hazardous waste, new/existing plants, different types/characteristics of input and output)*
- g. TWG members to identify and submit information on techniques and associated environmental performances, (following the 10-heading structure of Section 2.3.7 of the BREF Guidance – COM implementing decision 2012/119/EU), useful for deriving BAT conclusions for the selected processes*



## Summary of items for discussion: Structure

### 2. Structure

BP Pages 16 – 20

2.1 BAT conclusions structure (BP 2.2.1)

2.2 BREF structure (BP 2.2.2)

## 2.2 BREF structure

BP Pages 18 – 20

### Conclusions (1/3)

- a. To mirror the BAT conclusions structure in the chapters of the BREF*
- b. To further align the WT BREF to the indications given in the Guidance (COM implementing decision 2012/119/EU) in terms of structure*
- c. To consider moving the common information on techniques and/or processes currently given in the WT BREF to the future sections on 'common techniques' or 'process common steps', as much as evidence shown in the data and information collection allows*



## 2.2 BREF structure

BP Pages 18 – 20

### Conclusions (2/3)

- d. To limit the updating of Chapters 1 and 2 and in general the size of the WT BREF to a minimum, sufficient to maintain consistency within the rest of the BREF and to serve the purpose of deriving BAT conclusions*
- e. TWG members to submit information on new activities to be covered in the WT BREF following the standard structure for straightforward use in the BREF as indicated in the BREF Guidance (COM implementing decision 2012/119/EU)*

## 2.2 BREF structure

BP Pages 18 – 20

### Conclusions (3/3)

- f. To consider moving information on processes from the chapter "Techniques to consider..." to the chapter "Applied processes and techniques"*
- g. To keep information on primary/preventative techniques in the chapter "Techniques to consider..."*
- h. To consider moving techniques from the current Section 4.4 (e.g. re-refining of oil) to the chapter "Techniques to consider..." under the section on physico-chemical processes (e.g. distillation)*
- i. EIPPCB to share with the TWG an updated working document on the BREF structure (i.e. updating BP Annex III)*



# **WT BREF review**

## **3. Conclusions on Key environmental issues**

## Summary of items for discussion: key environmental issues (1/2)

### 3. Key environmental issues

BP Pages 21 – 40

#### 3.1 General issues (BP 2.3.1)

#### 3.2 Monitoring and averaging periods (BP 2.3.2)

#### 3.3 Emissions to air and related monitoring and averaging periods (BP 2.3.3)

#### 3.4 Emissions to water and related monitoring and averaging periods (BP 2.3.4)

...

## Summary of items for discussion: key environmental issues (2/2)

### 3. Key environmental issues

BP Pages 21 – 40

...

3.5 Diffuse emissions, odour, noise, vibration (BP 2.3.5)

3.6 Water, chemical and energy consumption (BP 2.3.6)

3.7 Recovery efficiency and waste hierarchy (BP 2.3.7)

3.8 Hazardous/non-hazardous waste, toxicity (BP 2.3.8)

### 3.1 General issues

BP Pages 21 – 22

#### Conclusions

- a. To request in the questionnaire and consider in the integrated assessment, e.g. the type of process, size of installation/plant, age, type/characteristics of waste input (including hazard information), type/characteristics of output, management techniques, abatement techniques, output quality management system, etc.*
- b. To consider in the integrated assessment cross-media effects and general horizontal issues such as general management, safety, leakages*
- c. To collect information on pollutants in concentration, on total flue-gas mass flow and on water consumption and discharge*

## Summary of items for discussion: key environmental issues (1/2)

### 3. Key environmental issues

BP Pages 21 – 40

#### 3.1 General issues (BP 2.3.1)

#### 3.2 Monitoring and averaging periods (BP 2.3.2)

#### 3.3 Emissions to air and related monitoring and averaging periods (BP 2.3.3)

#### 3.4 Emissions to water and related monitoring and averaging periods (BP 2.3.4)

...

## 3.2 Monitoring and averaging period

BP Pages 23 – 24

### Conclusions (1/2)

- a. To use the questionnaire to collect data and contextual information on key environmental issues from plants performing continuous and/or discontinuous monitoring/measurement*
- b. To collect data with short-term averages and long-term averages for each continuously monitored pollutant*
- c. To collect all the data over the reference years for each discontinuously monitored pollutant*



## 3.2 Monitoring and averaging period

BP Pages 23 – 24

### Conclusions (2/2)

*d. To collect via the questionnaire contextual information on monitoring, including the following:*

- OTNOC included or not
- Samples filtered or not
- Uncertainty removed or not
- Sampling duration for samples
- Monitoring standards used
- Operating hours in the year
- ...

## 3.2 Monitoring and averaging period

BP Pages 23 – 24

**The questionnaire format and requested data are without prejudice of the final decision on the BAT conclusions, including on monitoring.**

**However, *de facto*, since the BAT conclusions will be derived largely on the basis of the data collected via the filled-in questionnaires, it will be very difficult to set BAT-AELs for pollutants and/or averaging periods other than those requested via the questionnaire for the data collection**

## Summary of items for discussion: key environmental issues (1/2)

### 3. Key environmental issues

BP Pages 21 – 40

3.1 General issues (BP 2.3.1)

3.2 Monitoring and averaging periods (BP 2.3.2)

3.3 Emissions to air and related monitoring and averaging periods (BP 2.3.3)

3.4 Emissions to water and related monitoring and averaging periods (BP 2.3.4)

...

### 3.3 Emissions to air

BP Pages 25 – 31

#### Conclusions (1/3)

- a. To collect data and contextual information via the questionnaire on the channelled emissions to air from installations/plants performing either continuous or discontinuous monitoring/measurement, including information on mass flow of pollutants emitted per hour.*
- b. For each parameter monitored continuously, to collect data via the questionnaire as follows:*
  - daily averages (min, max, arithmetic average and 97<sup>th</sup> percentile values\* of daily averages in each of the reference years),*
  - monthly averages (min, max and arithmetic average values of monthly averages in each of the reference years) and how they have been calculated.*

\* Frequency distribution of emissions data is also useful and could be collected

### 3.3 Emissions to air

BP Pages 25 – 31

#### Conclusions (2/3)

- c. For each parameter monitored discontinuously, to collect all the data in the reference years via the questionnaire*
- d. To collect, via the questionnaire, other relevant process parameters (e.g. temperature, O<sub>2</sub> content)*
- e. To collect, via the questionnaire, data and contextual information on VOC, and information on monitored organic compounds with specific risk phrase*
- f. To collect data and contextual information via the questionnaire on HCl (avoiding the definition of 'Acid')*

### 3.3 Emissions to air

#### Conclusions (3/3)

BP Pages 25 – 31

- g. EIPPCB to share with the TWG, for further discussion, a proposal of key environmental issues for emissions to air, updated according to the amended BAT conclusions structure*
- h. For the shredding processes, to propose the following pollutants for discussion during the questionnaire development: dust, VOC, ammonia, CFC, lead, mercury, dioxins (both in particulate and in gaseous phases, when applicable)*
- i. To request information via the questionnaire on other important pollutants monitored in the plant concerned*

## Summary of items for discussion: key environmental issues (1/2)

### 3. Key environmental issues

BP Pages 21 – 40

3.1 General issues (BP 2.3.1)

3.2 Monitoring and averaging periods (BP 2.3.2)

3.3 Emissions to air and related monitoring and averaging periods (BP 2.3.3)

3.4 Emissions to water and related monitoring and averaging periods (BP 2.3.4)

...

## 3.4 Emissions to water

BP Pages 32 – 36

### Conclusions (1/4)

- a. To collect data and contextual information via the questionnaire on emissions to water from installations/plants performing either continuous or discontinuous monitoring; data relate to the point where the emissions leave the installations, including cases of indirect discharge (in this case information on external WWTP abatement efficiency will also be collected)*
- b. For each parameter monitored discontinuously, to collect all the data and contextual information in three reference years via the questionnaire*



## 3.4 Emissions to water

BP Pages 32 – 36

### Conclusions (2/4)

*c. To collect data for each parameter monitored continuously in the case of a continuous release or batch release of a duration of more than 24 hours as follows:*

- **daily values (min, max, arithmetic average and 97th percentile\* values in each of the reference years of samples);**
- **longer-term averages (min, max and arithmetic average values in each of the reference years of averages over a month/release duration of samples) and how they have been calculated.**

\* Frequency distribution of emissions data is also useful and could be collected

## 3.4 Emissions to water

BP Pages 32 – 36

### Conclusions (3/4)

*d. To collect data for each parameter monitored continuously over the duration of a batch release of less than 24 hours as follows:*

- **short-term values (min, max, arithmetic average and 97<sup>th</sup> percentile values\* in each of the reference years of samples);**
- **longer-term averages (min, max and arithmetic average values in each of the reference years of averages over a month of samples) and how they have been calculated.**

\* Frequency distribution of emissions data is also useful and could be collected

## 3.4 Emissions to water

BP Pages 32 – 36

### Conclusions (4/4)

- e. To collect contextual information (e.g. whether rainwater is included or not, quality of the receiving waters as a driving force for implementing techniques)*
- f. To request information via the questionnaire on other important substances (including relevant priority substances) monitored in the plant concerned*

## Summary of items for discussion: key environmental issues (2/2)

### 3. Key environmental issues

BP Pages 21 – 40

...

**3.5 Diffuse emissions, odour, noise, vibration (BP 2.3.5)**

**3.6 Water, chemical and energy consumption (BP 2.3.6)**

**3.7 Recovery efficiency and waste hierarchy (BP 2.3.7)**

**3.8 Hazardous/non-hazardous waste, toxicity (BP 2.3.8)**

## 3.5 Diffuse emissions, odour, noise, vibrations

### Conclusions

- a. To collect data and contextual information via the questionnaire on diffuse emissions, odour, noise, and vibrations*
- b. TWG members to submit relevant new information*

## Summary of items for discussion: key environmental issues (2/2)

### 4. Key environmental issues

BP Pages 21 – 40

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3.5 Diffuse emissions, odour, noise, vibration (BP 2.3.5)

3.6 Water, chemical and energy consumption (BP 2.3.6)

3.7 Recovery efficiency and waste hierarchy (BP 2.3.7)

3.8 Hazardous/non-hazardous waste, toxicity (BP 2.3.8)

## 3.6 Water, chemical and energy consumption

BP Pages 37 – 38

### Conclusions

- a. To collect data and contextual information (including cross-media effects) on the consumption of water, chemicals, and energy via the questionnaire*
- b. TWG members to submit relevant new information using the BREF Guidance (COM implementing decision 2012/119/EU) Section 2.3.7 format and the Information Mapping Sheet (IMS)*

## Summary of items for discussion: key environmental issues (2/2)

### 3. Key environmental issues

BP Pages 21 – 40

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3.5 Diffuse emissions, odour, noise, vibration (BP 2.3.5)

3.6 Water, chemical and energy consumption (BP 2.3.6)

3.7 Recovery efficiency and waste hierarchy (BP 2.3.7)

3.8 Hazardous/non-hazardous waste, toxicity (BP 2.3.8)



## 3.7 Recovery efficiency and waste hierarchy

BP Pages 38 – 39

### Conclusions

- a. To collect data and contextual information (including cross-media effects) on recovery efficiency and waste hierarchy related to waste treatment IED installations/plants via the questionnaires*
- b. TWG members to submit relevant new information using the BREF Guidance (COM implementing decision 2012/119/EU) Section 2.3.7 format and the Information Mapping Sheet (IMS)*

## Summary of items for discussion: key environmental issues (2/2)

### 3. Key environmental issues

BP Pages 21 – 40

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3.5 Diffuse emissions, odour, noise, vibration (BP 2.3.5)

3.6 Water, chemical and energy consumption (BP 2.3.6)

3.7 Recovery efficiency and waste hierarchy (BP 2.3.7)

3.8 Hazardous/non-hazardous waste, toxicity (BP 2.3.8)

## 3.8 Hazardous/non-hazardous waste, toxicity

BP Page 40

### Conclusions

- a. To collect data and contextual information via the questionnaires on the hazardous properties of waste input and toxicity of emissions*
- b. TWG members to submit relevant new information using the BREF Guidance (COM implementing decision 2012/119/EU) Section 2.3.7 format and the Information Mapping Sheet (IMS)*



# **WT BREF review**

## **4. Conclusions on data/information collection**

## Summary of items for discussion: data/information collection

BP Pages 41 – 46

### **4. Data/information collection**

#### **4.1 Questionnaire development and data collection (BP 2.4.1)**

#### **4.2 TWG subgroups (BP 2.4.3)**

#### **4.3 Techniques to consider and emerging techniques (BP 2.4.2)**

#### **4.4 Other than normal operating conditions (OTNOC) (BP 2.4.4)**

## 4.1 Questionnaire development and data collection

### Conclusions (1/4)

- a. To develop a questionnaire, using key environmental issues that have been partially discussed during this meeting as a starting point and will be further identified after this meeting*
- b. To cover in the data collection, activities in accordance with the forthcoming updated WT BREF scope*
- c. To collect data for the years 2010 to 2012 (reference years in WT BREF data collection via the questionnaires)*
- d. Confidentiality issues to be dealt with in accordance with Section 5.3 of the BREF Guidance (COM implementing decision 2012/119/EU)*

## 4.1 Questionnaire development and data collection

BP Pages 41 – 43

### Conclusions (2/4)

*e. To collect emission/consumption data provided with contextual information according to the indication given in Section 2.3.7 of the BREF guidance (COM implementing decision 2012/119/EU), e.g. by including information on:*

- Techniques used
- Monitoring issues related to the use of the technique
- The way the technique is designed, operated, maintained, controlled and decommissioned
- Linkages between emissions/consumption and input (e.g. characteristics and quantity of waste input, raw material, energy, and water) / output
- Operating conditions
- Current emission limit values and relevant permit requirements
- Operating hours
- ...

*f. To request the following information in the questionnaire:*

- waste input and output quality to determine whether they are correlated with the environmental performances of the WT installation producing the output and/or using the input
- if an output quality management system is implemented, and, if so, which

## 4.1 Questionnaire development and data collection

### Conclusions (3/4)

BP Pages 41 – 43

*g. In order to help the questionnaire development and the data collection, the EIPPCB to prepare templates (by mid-February 2014) and TWG members' organisations to fill in and submit the templates (by 31/03/2014), on the following information:*

- a list of well-performing plants/installations that are willing to participate in the data collection and site visits
- the number of WT plants per IED Annex I activity in each Member State
- a list of techniques (i.e. technique name) to populate the multiple choice questions in the questionnaire
- information on the applied averaging periods / frequency for continuous / discontinuous monitoring for commonly monitored pollutants for the activities given in the updated BAT conclusions structure



## 4.1 Questionnaire development and data collection

BP Pages 41 – 43

### Conclusions (4/4)

*h. To collect the filled-in questionnaires via an intermediate Member States check, where the Member State:*

- ensures the quality, completeness and consistency of data coming from plants located within the Member State;
- checks confidentiality claims in accordance with the BREF Guidance (COM implementing decision 2012/119/EU) Section 5.3 : in the event case that some information is claimed as confidential, the confidential part of the questionnaires is then extracted and sent to the EIPPCB by email;
- posts all the non-confidential questionnaires directly onto BATIS.

## Summary of items for discussion: data/information collection

### 4. Data/information collection

BP Pages 41 – 46

4.1 Questionnaire development and data collection (BP 2.4.1)

4.2 TWG subgroups (BP 2.4.3)

4.3 Techniques to consider and emerging techniques (BP 2.4.2)

4.4 Other than normal operating conditions (OTNOC) (BP 2.4.4)

## 4.2 TWG subgroups

BP Page 45

### Conclusions (1/3)

- a. To set up a subgroup to support the development of the questionnaire (activity period: December 2013 – end of May 2014)*
- b. To set up a subgroup on biological treatment (main activity period foreseen at this stage: December 2013 – end of June 2014)*
- c. To set up a subgroup on mechanical treatment (main activity period foreseen at this stage: December 2013 – end of June 2014)*
- d. To set up a subgroup on physico-chemical treatment (main activity period foreseen at this stage: December 2013 – end of June 2014)*

## 4.2 TWG subgroups

BP Page 45

### Conclusions (2/3)

- e. The EIPPCB and the questionnaire subgroup to produce a questionnaire template by May 2014*
- f. To set a deadline of 30/06/2014 for receiving initial contributions from the thematic subgroups*
- g. To identify a rapporteur among TWG members for each of the thematic subgroups*
- h. The EIPPCB to consider in its global assessment the thematic subgroups' contributions and to incorporate them properly in the WT BREF*

## 4.2 TWG subgroups

### Conclusions (3/3)

#### *i. The EIPPCB to produce subgroups' mandates*

**TWG members are invited to express their willingness to participate in subgroups and to identify or propose a rapporteur for each of the three thematic subgroups on mechanical treatment, on biological treatment and on physico-chemical treatment.**

**The EIPPCB will manage and lead all the subgroups.**

## Summary of items for discussion: data/information collection

### 4. Data/information collection

BP Pages 41 – 46

4.1 Questionnaire development and data collection (BP 2.4.1)

4.2 TWG subgroups (BP 2.4.3)

4.3 Techniques to consider and emerging techniques (BP 2.4.2)

4.4 Other than normal operating conditions (OTNOC) (BP 2.4.4)

## 4.3 Techniques to consider and emerging techniques

BP Page 44

### Conclusions (1/2)

- a. TWG members to identify and submit information on recent developments in techniques (including techniques to be applied in the mixing and blending process step), following the 10-heading structure of the BREF Guidance (COM implementing decision 2012/119/EU) Section 2.3.7*
- b. TWG members to critically check and suggest (providing rationales) whether the existing emerging techniques in Chapter 6 of the current WT BREF still match the IED definition of 'emerging technique', or the definition of 'technique to consider in the determination of BAT' or if they should instead be deleted from the BREF*

## 4.3 Techniques to consider and emerging techniques

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### Conclusions (2/2)

- c. The EIPPCB to take into consideration the initial positions of the TWG members on techniques during the writing of the revised WT BREF Draft 1*
- d. The TWG to submit a list of techniques (i.e. technique name) to populate the multiple choice questions in the questionnaire (deadline 31/03/2014)*



## Summary of items for discussion: data/information collection

### 4. Data/information collection

BP Pages 41 – 46

4.1 Questionnaire development and data collection (BP 2.4.1)

4.2 TWG subgroups (BP 2.4.3)

4.3 Techniques to consider and emerging techniques (BP 2.4.2)

4.4 Other than normal operating conditions (OTNOC) (BP 2.4.4)

## 4.4 Other than normal operating conditions

BP Page 46

### Conclusions (1/2)

*a. In order to help the information collection, the EIPPCB to prepare templates (by March 2014) and TWG members' organisations to fill in and submit the templates by the general deadline for the information collection (i.e. 30/06/2014), on the following information:*

- **other than normal operating conditions (e.g. start-up and shutdown operations, leaks, malfunctions and momentary stoppages) applicable to the WT sector**
- **techniques used in the WT sector during other than normal operating conditions**

## 4.4 Other than normal operating conditions

BP Page 46

### Conclusions (2/2)

- b. The EIPPCB to assess the lists and include the pertinent information in the revised draft BREF*
- c. To also request information on OTNOC via the questionnaire, in order to collect data about how the operators declare OTNOC and whether and how OTNOC events' duration and frequency are considered and/or minimised*



**What's next?**

## Forward planning for the WT BREF review after the KoM (1/2)

BREF review milestones	Deadline
<p>The EIPPCB prepares templates on:</p> <ul style="list-style-type: none"><li>a. a list of well-performing plants/installations that are willing to participate in the data collection and site visits</li><li>b. the number of WT plants per IED Annex I activity in each Member State</li><li>c. a list of techniques to populate the multiple choice questions in the questionnaire</li><li>d. information on the applied averaging periods / frequency for continuous / discontinuous monitoring for commonly monitored pollutants for the activities given in the updated BAT conclusions structure</li></ul>	Mid February 2014
TWG members submit the filled-in templates to the EIPPCB	31 March 2014

## Forward planning for the WT BREF review after the KoM (2/2)

### BREF review milestones

### Deadline

Distribution of questionnaires for the data collection

May 2014

Collection of the thematic subgroups' contributions and of the bulk of information

30 June 2014

Collection of the filled-in questionnaires

30 September 2014

**First draft of the revised BREF**

**Tentatively: during spring 2015**

Commenting period on the first draft

Tentatively: spring - summer 2015

Assessment of the need for a second draft

September 2015

Final TWG meeting

Tentatively: 1<sup>st</sup> quarter 2016

Final draft delivered to the IED Article 13 forum meeting

Tentatively: 2016



**Thanks!**

**End of meeting**