

# BEST AVAILABLE WASTE WATER TREATMENT TECHNIQUES

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# BETTER APPLICATION OF BAT

- **Strengthening the BAT principle**
  - BAT conclusions shall be the reference for setting the permit conditions (Art. 14(3))
  - Competent authority shall set ELVs that ensure that, under normal operating conditions, emissions do not exceed the BAT AELs (Art. 15(3))
- **BAT Conclusions** particularly containing the parts of a BREF laying down the conclusions on BAT incl. BAT AELs
  - Decisions on the BAT conclusions shall be adopted in accordance with the regulatory procedure referred to in Art.75(2).  
→ **implementing act** (Art. 13(5 & 6))

## DEFINITION OF BEST AVAILABLE TECHNIQUES (BAT) – ART.3(10) IED

‘**best available techniques**’ means the **most effective and advanced stage** in the development of activities and their methods of operation which indicates the **practical suitability** of particular techniques for providing the **basis for emission limit values** and other **permit conditions** designed to prevent and, where that is not practicable, to reduce emissions and the impact on the environment as a whole:

- a) ‘**techniques**’ includes both the **technology** used and the **way** in which the installation is designed, built, maintained, operated and decommissioned;

## DEFINITION OF BEST AVAILABLE TECHNIQUES (BAT) – ART.3(10) IED

- b) **‘available techniques’** means those **developed on a scale** which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages, whether or not the techniques are used or produced inside the Member State in question, as long as they are reasonably accessible to the operator;
- c) **‘best’** means **most effective** in achieving a high general level of protection of the environment as a whole;

# DEFINITION OF BREF – ART.3(11) IED

‘**BAT reference document**’ means a document, resulting from the exchange of information organised pursuant to Article 13, drawn up for defined activities and **describing, in particular,**

- applied techniques,
- present emissions and consumption levels,
- techniques considered for the determination of BAT as well as
- BAT conclusions and
- any emerging techniques,

giving special consideration to the criteria listed in Annex III;

# DEFINITION OF BAT CONCLUSIONS (BATC)– ART.3(12) IED

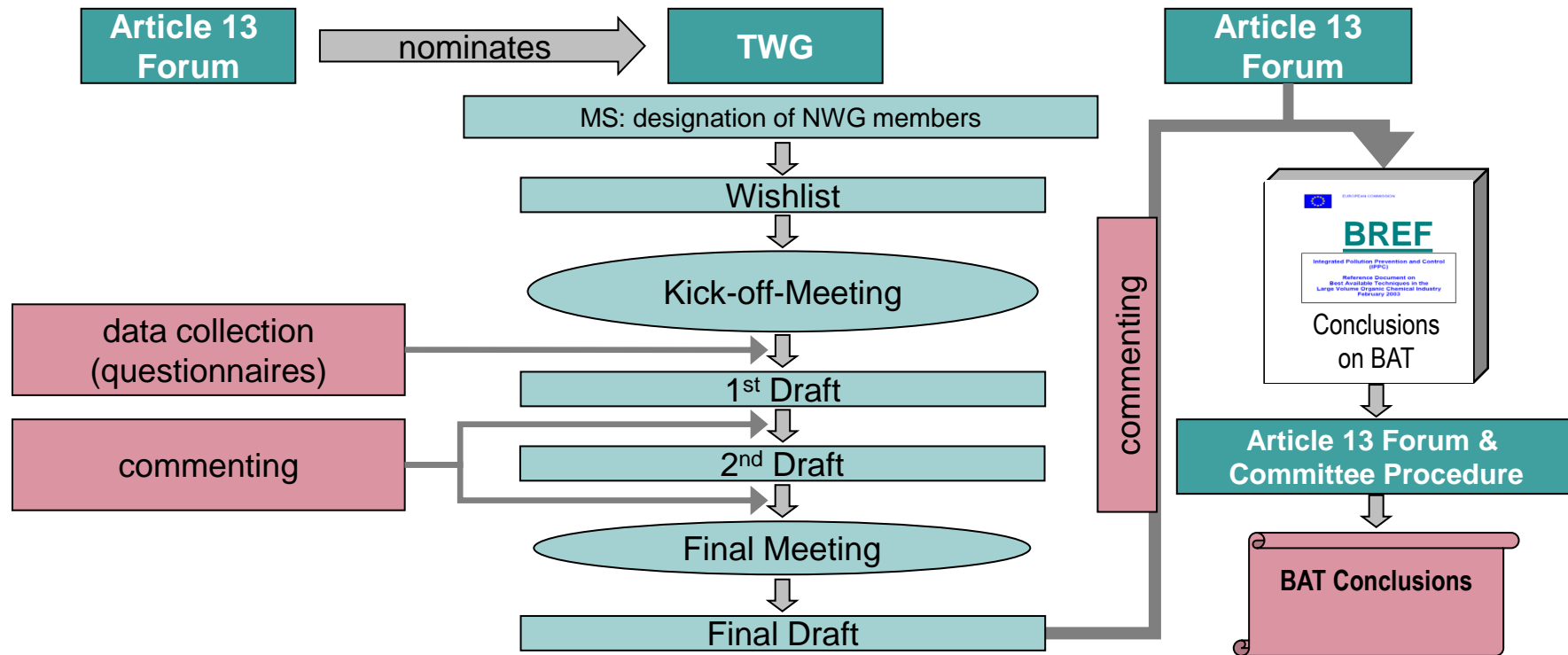
‘**BAT conclusions**’ means a document containing the parts of a BAT reference document laying down the **conclusions on best available techniques**,

- their description,
- information to assess their applicability,
- the emission levels associated with the best available techniques,
- associated monitoring,
- associated consumption levels and, where appropriate,
- relevant site remediation measures;

## DEFINITION OF BAT AELS – ART.3(13) IED

**‘emission levels associated with the best available techniques’** means the **range of emission levels** obtained under normal operating conditions using a best available technique or a combination of best available techniques, as described in BAT conclusions, **expressed as an average** over a given period of time, under specified reference conditions;

# SEVILLA PROCESS (ART. 13 IED)

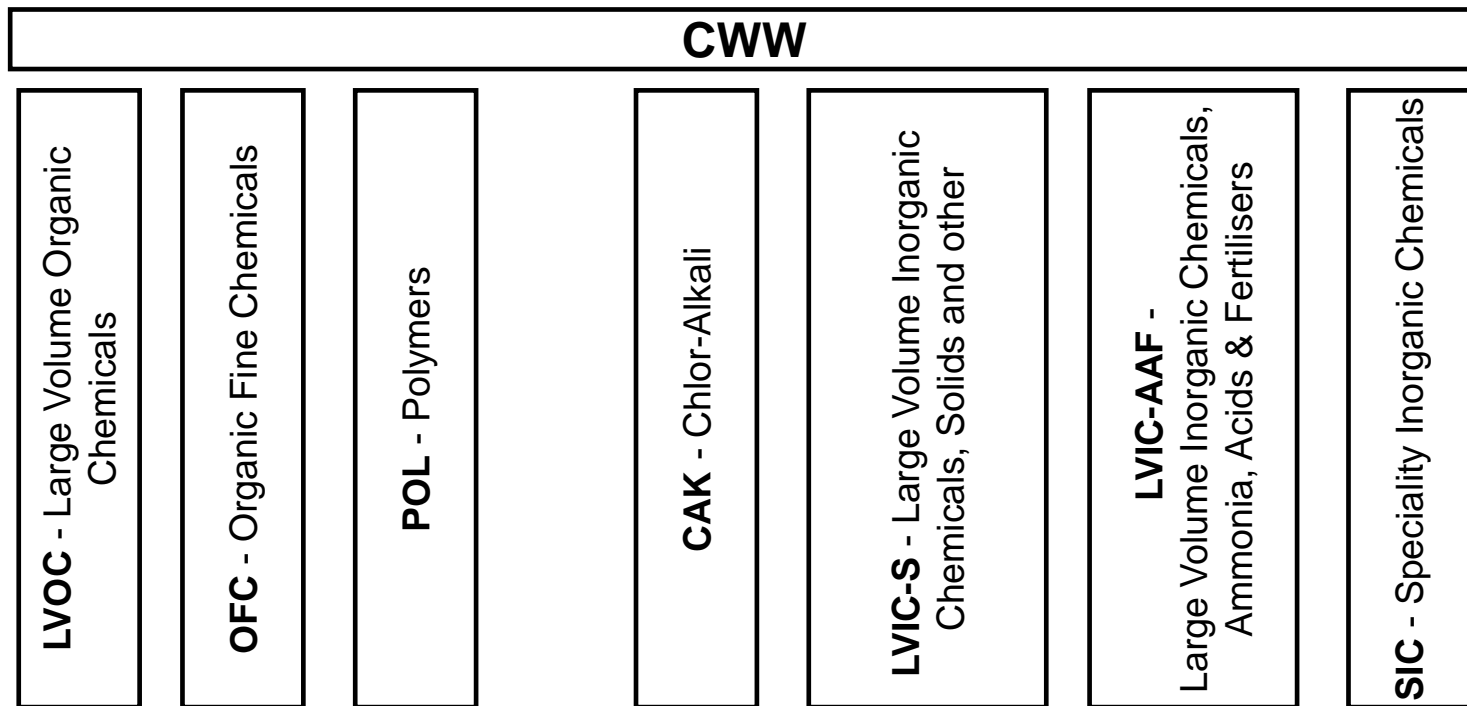




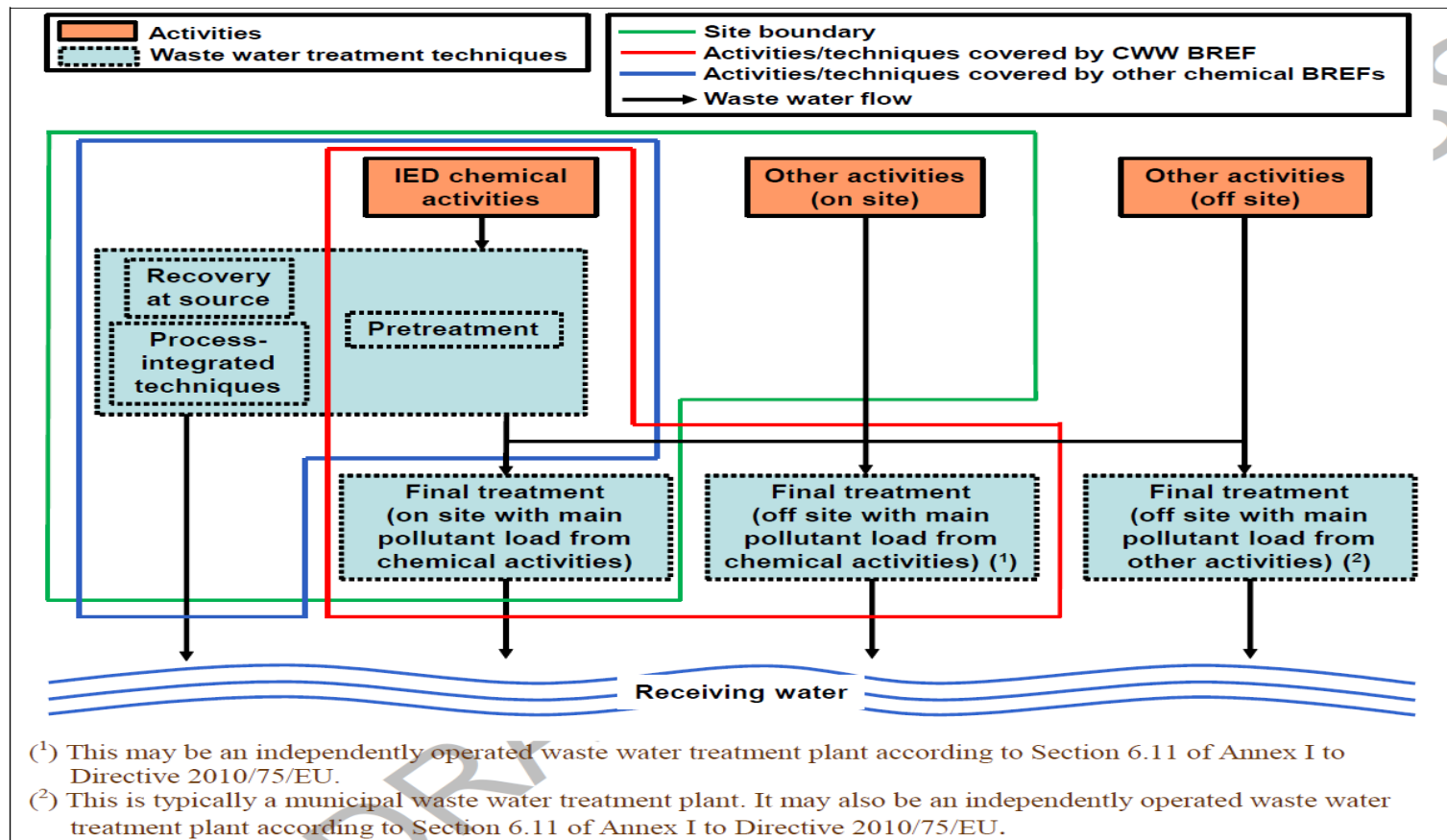
# BAT CONCLUSIONS – PUBLICATION & IMPLEMENTATION

Best Available Techniques Reference Document (BREF)	Date of BATC publication	Implementing BATC in permit until
<u><a href="#">Iron and Steel Production</a></u>	08.03.2012	08.03.2016
<u><a href="#">Manufacture of Glass</a></u>	08.03.2012	08.03.2016
<u><a href="#">Tanning of Hides and Skins</a></u>	16.02.2013	16.02.2017
<u><a href="#">Production of Cement, Lime and Magnesium Oxide</a></u>	09.04.2013	09.04.2017
<u><a href="#">Production of Chlor-alkali</a></u>	11.12.2013	11.12.2017
<u><a href="#">Production of Pulp, Paper and Board</a></u>	30.09.2014	30.09.2018
<u><a href="#">Refining of Mineral Oil and Gas</a></u>	28.10.2014	28.10.2018
<u><a href="#">Wood-based Panels Production</a></u>	24.11.2015	24.11.2019
<u><a href="#">Common Waste Water and Waste Gas Treatment/ Management Systems in the Chemical Sector</a></u>	09.06.2016	09.06.2020
<u><a href="#">Non-ferrous Metals Industries</a></u>	30.06.2016	30.06.2020
<u><a href="#">Intensive Rearing of Poultry and Pigs</a></u>	21.02.2017	21.02.2021
<u><a href="#">Large Combustion Plants</a></u>	17.08.2017	17.08.2021
<u><a href="#">Production of Large Volume Organic Chemicals</a></u>	07.12.2017	07.12.2021

# CWW BREF - ONE IN A SERIES OF 8 CHEMICAL BREFS



CWW ... Common Waste Water and Waste Gas Treatment/Management Systems in the Chemical Sector



**Figure 1: Schematic on the main and typical interface between the CWW BREF and the other chemical BREFs concerning waste water treatment techniques**

# COMMON WASTE WATER AND WASTE GAS TREATMENT/ MANAGEMENT SYSTEMS IN THE CHEMICAL SECTOR

9.6.2016

EN

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## DECISIONS

**COMMISSION IMPLEMENTING DECISION (EU) 2016/902**

**of 30 May 2016**

**establishing best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for common waste water and waste gas treatment/management systems in the chemical sector**

*(notified under document C(2016) 3127)*

*(Text with EEA relevance)*

# CONTACT & INFORMATION

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Study Visit Tour Austria in the Frame of SEIS  
Vienna ● 16 - 20.07.2018