



Best Available Techniques (BAT) Reference Document for the Production of Cement, Lime and Magnesium Oxide (CLM BREF)

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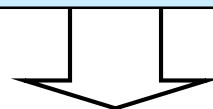
Joint Research Centre – Institute for Prospective Technological Studies
Sustainable Production and Consumption Unit

BAT Reference Document for the production of Cement

- ***One of a series of sectoral BAT Reference Documents (33 + 2 BREFs) elaborated by the EIPPCB***
- ***CL BREF originally adopted in December 2001***
- ***First BAT Reference Document to be revised (under IPPC) – CLM BREF including Lime and MgO***
- ***Revision finalised under the Industrial Emission Directive 2010/75/EU (**IED**)***

IPPC approach and related legislation

**Council Directive 96/61/EC of 24 September 1996
concerning integrated pollution prevention and control**



**Directive 2008/1/EC of 15 January 2008
Codified version**

CLM BREF revised under IPPC - BATC transformed under IED



**Directive 2010/75/EU of 24 November 2010
On industrial emissions (integrated pollution
prevention and control) (Recast)**

IED Industrial Emissions Directive

The European Industrial Emissions Directive (IED)

➤ *Driving forces of the Industrial Emissions Directive 2010/75/EU:*

- Give **priority to intervention at source**, e.g. efficiency of processes, management improvement
- Implement the **Best Available Techniques** (BAT)
- Assure **compliance, enforcement** and environmental improvements
- Provide a **level playing field** in the European Union by aligning environmental performance requirements for industrial installations

The instrument for determining Best Available Techniques

➤ *Article 13(1) of Industrial Emissions Directive 2010/75/EC:*

- “In order to draw up, review and, where necessary, update **BAT reference documents**, the Commission shall organise an exchange of information between Member States, the industries concerned, non-governmental organisations promoting environmental protection and the Commission”

➤ *The **exchange of information** should address:*

- the performance of installations and techniques in terms of emissions and consumptions
- the techniques applied, associated monitoring, technical and economic viability

BAT Reference Documents (BREFs)

Sector-specific documents identifying
Best Available Techniques (**BREFs**)

35 BREFs

BAT Conclusions
with associated emission
(and consumption)
levels (**BAT-AELs**)



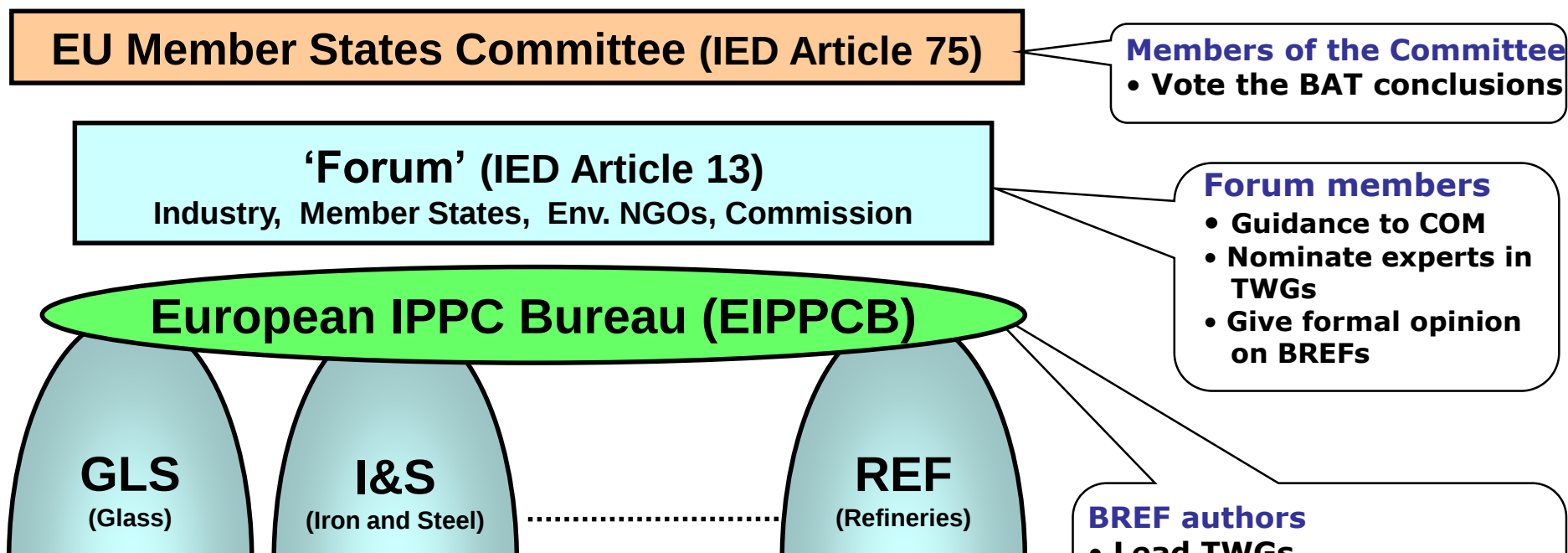
Emission Limit Values (ELVs)
and/or other permit conditions
for industrial installations

BAT Reference documents publicly available

	<u>Large Combustion Plants</u>	BREF (07.2006)		MR (10.2011)	
	Large Volume Inorganic Chemicals – Ammonia, Acids and Fertilisers Industries	BREF (08.2007)			
	Large Volume Inorganic Chemicals – Others Industry				
	Large Volume Organic Chemicals Industry	BREF (04.2005)		MR (12.2010)	
	Management of Tailings and Waste-rock in Mining Activities	BREF (01.2009)			
	Manufacture of Glass	BATC (03.2012) BREF (03.2012)			
	Manufacture of Organic Fine Chemicals	BREF (08.2006)			
	Non-ferrous Metals Industries	BREF (12.2001)	D3 (02.2013)	MR (09.2007)	
	Production of Chlor-alkali	BREF (12.2001)	D1 (12.2011)	MR (09.2009)	
	Production of Polymers	BREF (08.2007)			
	Production of Speciality Inorganic Chemicals	BREF (08.2007)			
	Pulp and Paper Industry	BREF (12.2001)	D2 is currently unavailable due to data confidentiality concerns	MR (11.2006)	
	Refining of Mineral Oil and Gas	BREF (02.2003)	D2 (03.2012)	MR (09.2008)	

<http://eippcb.jrc.es/reference/>

Actors in the information exchange on BAT



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_14063

