

Article 9 Table 3

The Best Available Techniques Which Shall Be Applied in Processing Techniques for Petroleum Refineries and Massive Energy Consumption Users

1. Energy Users as Petroleum Refineries

Shall meet the requirements and efficiency values of energy efficiency related processing techniques listed in the following applicable edition of the European Union's "Reference Document on Best Available Techniques for Refining of Mineral Oil and Gas".

"Reference Document on Best Available Techniques for Energy Efficiency" by Industries	Applicable Edition
Refining of Mineral Oil and Gas	BREF (2015) ^{note}

Note : BREF refers to the Industrial Emissions Directive (IED, 2010/75/EU) Best Available Techniques Reference Documents; BREF (2015) refers to the 2015 edition.

2. Energy Users as Massive Energy- Consumption Users

Shall meet the requirements and efficiency values of energy efficiency related processing techniques listed in the following applicable edition of the European Union's "Reference Document on Best Available Techniques" for specific industries.

"Reference Document on Best Available Techniques for Energy Efficiency" by Industries ^{note 1}		Applied Edition
(1)	Ceramic Manufacturing Industry	BREF (2007) ^{note 2}
(2)	Ferrous Metals Processing Industry	BREF (2022)
(3)	Food, Drink and Milk Industries	BREF (2019)
(4)	Large Volume Inorganic Chemicals – Ammonia, Acids and Fertilisers	BREF (2007)
(5)	Large Volume Inorganic Chemicals – Solids and Others Industry	BREF (2007)
(6)	Large Volume Organic Chemicals	BREF (2017)
(7)	Manufacture of Glass	BREF (2013)
(8)	Manufacture of Organic Fine Chemicals	BREF (2006)
(9)	Non-ferrous Metals Industries	BREF (2017)
(10)	Production of Cement, Lime and Magnesium Oxide	BREF (2013)

(11)	Production of Chlor-alkali	BREF (2014)
(12)	Production of Polymers	BREF (2007)
(13)	Production of Pulp, Paper and Board	BREF (2015)
(14)	Production of Speciality Inorganic Chemicals	BREF (2007)
(15)	Slaughterhouses and Animals By-products Industries	BREF (2005)
(16)	Smitheries and Foundries Industry	BREF (2005)
(17)	Surface Treatment of Metals and Plastics	BREF (2006)
(18)	Surface Treatment Using Organic Solvents including Wood and Wood Products Preservation with Chemicals	BREF (2020)
(19)	Tanning of Hides and Skins	BREF (2013)
(20)	Textiles Industry	BREF (2023)

Note 1 : Industries here refer to industries announced in the Industrial Emissions Directive (IED, 2010/75/EU) Best Available Techniques Reference Documents.

Note 2 : BREF refers to the Industrial Emissions Directive (IED, 2010/75/EU) Best Available Techniques Reference Documents; BREF (2007) refers to the 2007 edition.

3. Co-generation system less than 50MW ^{note}

Item
1. System that generates effective thermal and electrical energy at the same time.
2. Steam turbines and the power generation system: considering the use of a computer-controlled system.
3. Steam turbines and the power generation system: considering the use of advanced materials.
4. Steam turbines and the power generation system: upgrading steam turbines requires a consideration of increasing steam temperature and pressure.
5. Steam turbines and the power generation system: optimizing working fluid operating conditions.

Note : The items above refer to co-generation systems whose capacity are less than 50MW, and thus are not qualified to be categorized as the cogeneration systems in table2.