



1. Partnerskabsmøde – CER
BREF

← Teglværket

Brug af teknikker

Gængse teknikker som allerede er nævnt i nuværende BREF

BREF Section	BAT Candidates in the current CER BREF - BREF emner	Is the technique obsolete ? (YES/NO) (Er teknikken forældet) ▼	Technique's description and or data require updating ? (YES/NO) (skal de opdateres beskrivelserne) ▼	Is the information and data available? (YES/NO) (er informationer og data tilgængelige) ▼	Type of information available (hvilke typer er tilgængelige)	Please provide the rationale for your opinions. Can information be provided? If already available, please upload it on BATIS and provide the filename of the attached file below. (begrund svaret)
4,1	Reduction of energy consumption (energy efficiency)					
4.1.1	Improved design of kilns and dryers (forbedret design af ovne og tørrer)					
4.1.2	Recovery of excess heat from kilns (genindvinding af overskudsvarme fra ovne)					
4.1.3	Cogeneration/combined heat and power plants (kombineret varme og elværk)					
4.1.4	Substitution of heavy fuel oil and solid fuels by low emission fuels (udskiftnig af olier med lette fraktioner)					
4.1.5	Modification of ceramic bodies (ændring af varenes udformning)					



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4.2	Emissions of dust (particulate matter)					
4.2.1	Measures for dusty operations (metoder for støvende processer)					
4.2.2	Measures for bulk storage areas (opbevaring af bulk varer/områder)					
4.2.3	Separation/filter systems (filtersystemer)					
4.2.3.1	Centrifugal separators (Centrifugal separators)					
4.2.3.2	Bag filters (posefilter)					
4.2.3.3	Sintered lamellar filters (sinter filter)					
4.2.3.4	Wet dust separators (våd støv filter)					
4.2.3.5	Electrostatic precipitators (ESP) (elektrostatisk filter)					



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BREF Section	Do not contribute to the current BREF or other BREF	Is the technique already included in the current BREF (if not, please specify in the comments below)	Technique's description and its scope	Is the information available in the current BREF (YES/NO) or otherwise available (if so, please specify)	Type of information available (if so, please specify)	Please provide the reasons for your opinion. Can information be provided? If already available, please specify the BREFs and provide the location of the relevant information (if available)
4.3	General compounds					
4.3.1	Reduction of the level of pollutant emissions (excluding the use of scrubbers)					
4.3.2	Addition of calcium or sodium hydroxide to the waste gas stream (e.g. wet scrubbers)					
4.3.3	Process optimisation (improvement of processes)					
4.3.3.1	Optimising the heating or cooling (e.g. heat recovery)					
4.3.3.2	Reduction of water usage (e.g. in the wet gases (excluding wet scrubbers))					
4.3.3.3	Internal carbonisation (e.g. combustion of internal carbon)					
4.3.4	Low-NOx burners					
4.3.4	Scrubber plants (selective absorption)					
4.3.4.1	Canister-type packed bed absorbers					
4.3.4.2	Mobile absorber systems					
4.3.4.3	Dry bagasse cleaning with a filter (e.g. filter or electrostatic precipitator)					
4.3.4.4	Wet bagasse cleaning					
4.3.4.5	Activated carbon filters (active carbon)					
4.3.4.6	Biological oxidisers (biological oxidisers)					
4.3.5	Absorbents					
4.3.5.1	Thermal afterburning (thermal afterburning)					
4.3.5.2	Catalytic afterburning					
4.3.6	Examples of operational data, efficiency, environmental and cost data for different technologies (descriptors: process, technology, etc.)					



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BREF Section	BAT Candidates in the current CER BREF (BREF name)	Is the technique obsolete? (YES/NO) (2 options for input)	Technical description and/or data requirements (YES/NO) (What do operators have to do?)	In the information and data available? (YES/NO) or information of data requirements?	Type of information available (Data type or category)	Please provide the reasons for your choice. Can information be provided? If already available, please explain in BATS and provide the reference if it is detailed in the table (page and row)
4.4	Process waste water					
4.4.1	Water used as a raw material (washing/cooling/heat transfer)					
4.4.2	Water used as a heat exchange utility (cool around furnaces/for ventilation/cooling)					
4.4.3	Water used as a scrubbing agent (vent trough and scrubber)					
4.4.4	Water used as a cleaning agent (vent scrub removal)					
4.4.5	Objective and solutions for the reduction of process waste water (revisions and consumption) (revider og forbrug) and reduction of emissions (reduceret udledning)					
4.4.5.1	Process optimisation (optimeringsforanstaltninger)					
4.4.5.2	Systems of process waste water treatment (afledningsanordninger)					
4.5	Process byproducts					
4.5.1	Sludge arising in the manufacture of organic products (other than transformer and production)					
4.5.1.1	Sludge recycling systems (genbrugsanordninger for slud)					
4.5.1.2	Sludge reuse in other products (genbrugelse af slud i andre produkter)					
4.5.2	Solid process byproduct waste (fast afaffald)					
4.5.2.1	General considerations concerning reuse of solid process waste as raw material (generalisering af genbrugelse af affald)					
4.5.2.2	General considerations on sludge reuse. Bring facilities and indicate any emissions/reduction (revider og reduktion)					
4.6	General considerations concerning new (production) technologies (omkostninger og miljøeffekt)					
4.7	Environmental management tools (miljøledelsesystemer)					



Opkommende teknikker fra sidste BREF

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6,1	Radiant tube burners					
6,2	Microwave assisted firing and microwave dryers					
6,3	New type of drying system for refractory products (varmebestandige produkter)					
6,4	Advanced process waste water management with integrated glaze recovery					
6,5	Lead-free glazing of high quality table porcelain					

