



Fit for BREF?

Putting the Brakes on Mercury

Solutions for emission reduction in line with BREF

- For NO_x, SO₂ and dust by upgrading of existing air quality control systems (AQCS) like DeNO_x, FGD and ESP/FF solutions out of one hand are available at MHPS-EU

EQUIPMENT SUBJECT FOR CHECK AND UPGRADE



SCR/SNCR



ESP/FF



FGD (wet/dry)

- MERCURY CONTROL – new in the European power market:
Solutions to be integrated into existing, to be upgraded or new AQCS equipment

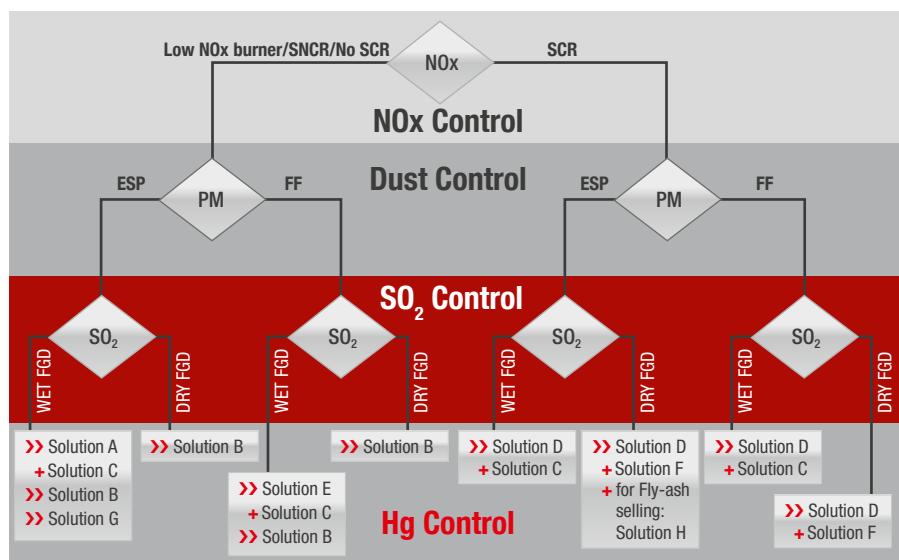


MHPS-EU is constructing the Turów 450 MWe lignite power plant: A pioneer in complying with the new BREF+ mercury emission standards.

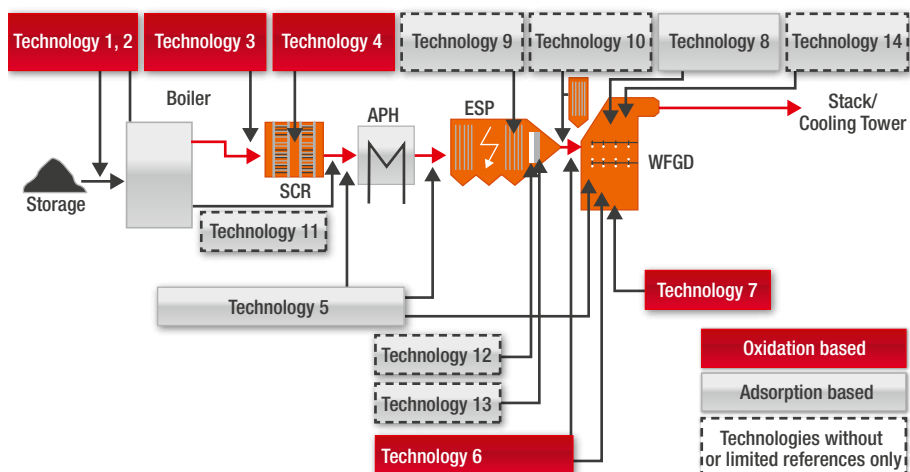
Mercury reduction technologies

- Never standard – as depending from individual plant characteristics in regard of the mercury transition behavior from fuel to stack
- Several technologies on the market, references mainly in the US market for bituminous coal units; continuously gaining experiences for lignite plants
- Possible interactions among present/foreseen AQCS equipment
- Careful selection of appropriate system(s) required
- Mercury disposal concept and related limit values, e.g. waste water, fly ash, highly impacts the removal concept

SELECTION OF MERCURY REMOVAL TECHNOLOGY – DEPENDING FROM PP CONFIGURATION



MERCURY CONTROL: EXTRACT OF TECHNOLOGIES



One hand integrator for BREF + Mercury Solutions

MHPS-EU is ready to answer all questions related to BREF + Mercury topics and serve with commonly worked out best emissions removal concepts.

Requested emission values will be achieved by custom made design as a result of deep joint experts' dialogue, considering your individual plant set up, your operational specialities and other preferences.

Intended MHPS-EU's "BREF + MERCURY EXPERTS' DIALOGUE" with you for hand in hand identification of best solution

- Your input about plant info, operational data and intended BREF measures
- **Mercury measuring campaign** at your plant – to allocate the base point for mercury removal
- Initial solution draft by MHPS-EU – based on the findings to continue the discussion with you
- Common discussion, agreement about identified concept
- Further concept investigation by MHPS-EU's detailed study about agreed system configuration incl. budget information

TARGET: Develop jointly the most appropriate removal application to be applied at your plant.

Fit for BREF ?

BREF + Mercury Dialogue

Interested in our Roadshow for your catalytic / non-catalytic application?
We are ready to come to your plant – or visit you at your Headquarter.

PLEASE CONTACT US

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