



FLUE GAS CONDENSATE CLEANING



VESTERVIG, DK, MAY 24TH 2016

In order to maintain the discharge limit values Vestervig District Heating A.M.B.A. has invested in a HydraSiC plant from LiqTech

FLUE GAS CONDENSATE CLEANING

Head of operations at Vestervig District Heating, Preben Bjerre, is looking forward not having to worry about maintaining the discharge limit values on e.g. cadmium in the wastewater from the flue gas condensation process at the wood chips fuelled district heating facility in Thy, Jutland.

A new HydraSiC ultra filtration unit featuring silicon carbide membranes from LiqTech will be securing a high and consistent water quality of the redundant condensate from the facility's scrubber tower.

The HydraSiC system consists of three units:

- HydraSiC ultra-filtration unit (UF)
- Precipitation unit
- Filter press dewatering unit

The system has been designed to handle and treat a max. condensate flow of 1,2 m³/h with the boiler running at full capacity (effect of 3,5MW and fuel containing 55% moisture).

HydraSiC is a standardized range of ultra-filtration units based on LiqTechs sturdy and reliable silicon carbide membranes (SiC).

The HydraSiC systems are available either as semi- or fully automated units capable of handling considerable variations in the feed water quality and designed to treat flows as high as 16 m³/h.

LiqTech congratulates Vestervig District Heating on the new HydraSiC system.

ULTRA FILTRATED WASTEWATER

Contains:

- TSS < 0,5 mg/l
- Cd < 0,15µg/l
- Hg < 0,05 µg/l
- SDI < 3 = Suitable for RO treatment

UF treated flue gas condensate refined by reverse osmosis (RO) may be reused as transmission grid make-up water saving both potable water and money



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