



Sludge Treatment Plant KETA, Hamburg

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For environmental control of the residual from waste water treatment, the “Hamburger Stadtentwässerung” in Germany decided to build a sludge treatment plant in 1992 and a sludge incineration plant in 1997. The treated sludge as well as the screenings and residual grits are incinerated.

The new sludge treatment concept contributes considerably to a safe sludge waste removal.

For environmental reasons the sludge is thermally dried and incinerated according to the directives of the sludge regulations.

Haarslev Industries A/S
Atlas Stord and Haarslev merged to Haarslev Industries in 2006. More than 50 years

experience as a supplier of industrial thermal drying units made us to a competent partner.

The applications can be found in the range of the fishmeal industries, in the handling of animal by-products and for the drying process of industrial and municipal sludge. In addition they find an application in the drying process of biomass and in breweries and distilleries.



Plant data

Total plant capacity 430 t wet sludge / day

Sludge dewatering

- 6 countercurrent solid bowl centrifuges
- Dry solids content before centrifuge: 3 %
- Dry solids content after centrifuge: 20 %

Sludge drying

- 6 disc dryers: TST-70R
- Heating surface: 250 m²
- Throughput capacity: 7,150 kg/h
- Dry solids content before dryer: 20 %
- Dry solids content after centrifuge: 42 %
- Installed driving power: 132 kW

Incineration

- 3 fluidised bed ovens
- Throughput capacity
- Sludge: max. 80,000 t DS/year
- Rakings: max. 12,000 t/year

Steam generation

- 3 waste heat recovery boilers of the fluidised bed ovens
- Steam generation: max. 11.2 t/h

Sludge treatment plant

- Starting-up:
- Sludge drying: 1992
- Sludge incineration: 1997
- Operating period: > 8,000 h/year

We reserve the right to alter the specifications at any time without prior notice.



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