



Thermal Sewage Sludge Treatment Dilovasi, Turkey

Dilovasi, Turkey

Haarslev Industries sends a treatment sludge drying line to Dilovasi. 65 t wet sludge per day will be mechanically dewatered so that it contains 25% dry substance. It will be dried in one dryer line to a dry substance of 90%.

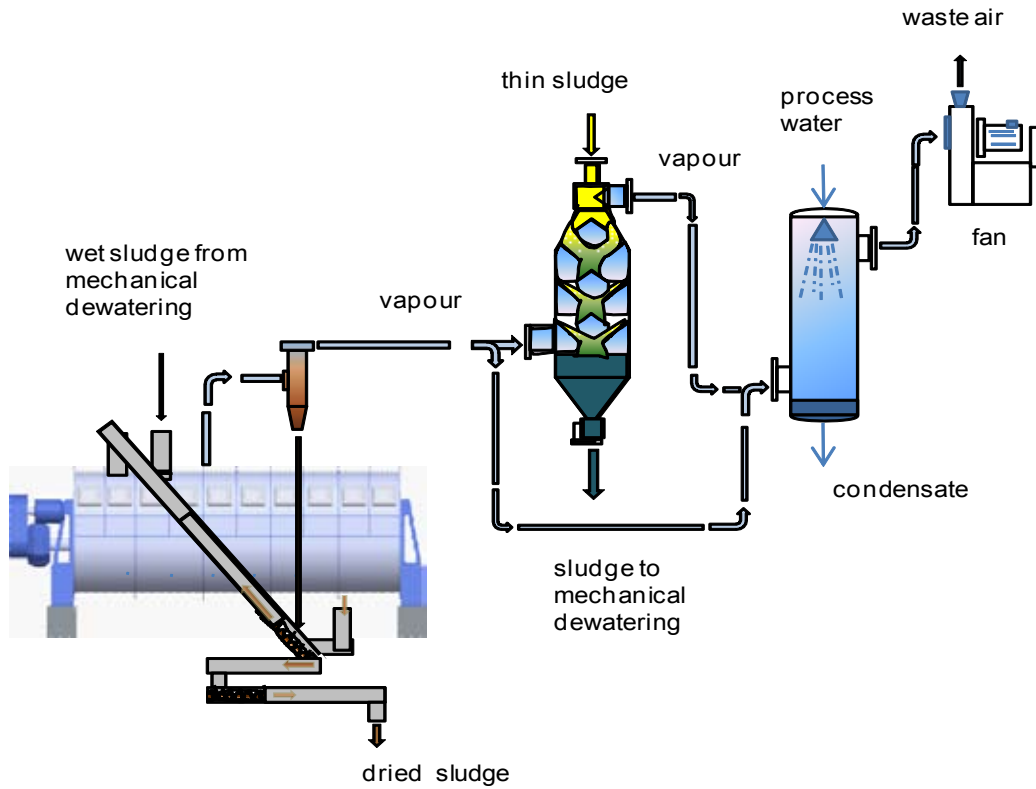
The drying will take place in one ROTADISC® dryer, which is indirectly heated by thermal oil. Drying vapour of the dryer will be showered onto a vapour concentration unit. The incurred vapours will shower down into a step vapour condenser unit. In the first step the vapour energy created will be completely condensed.

Haarslev Industries, formerly Atlas-Stord

Atlas-Stord, that has now merged with Haarslev Industries, has for more than 50 years been a leading supplier of industrial thermal drying systems/drying machines.

The Haarslev Industries dryers are used in the fish meal industry, for rendering of animal by-products, for drying of biomass products and for drying of industrial sludge. Being a producer of thermal drying units, Haarslev also manufactures vapour processing units.

Flow diagram sludge treatment



Technical Data For The Sludge Handling System

Drying unit capacity 65 wet sludge/day

Sludge treatment

- DS-content in front of centrifuge: 4 %
- DS-content behind centrifuge: 25 %

Sludge treatment plant

- Start-up sludge drying 2010
- Operation time > 8.000 h/a

Sludge drying (values per dryer):

- Disc dryer TST-1850RH
- Number of discs 50
- Heating surface 215 m²
- Wet sludge flow 2.708 kg/h
- DS content in front of the drier 25 %
- DS content behind the drier 90 %
- Evaporation 1.956 kg/h
- Installed power of dryer unit 132 kW
- Heating medium Thermal oil
- 2 step condensation with heat recovery

Haarslev Industries reserves the right to make changes.



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