



Sludge Treatment Plant Dresden-Kaditz, Germany

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For environmental control of the residual from waste water treatment in the Dresden-Kaditz area, the “Dresden Wasser und Abwasser GmbH”, built between 1992 and 1995 a plant for concentration, dewatering and thermal drying of sludge.

The new sludge waste disposal concept contributes strongly to the processing of the sludge.

Since the sludge complies with all criteria within sludge regulations, all kinds of utilisation of dried and conditioned sludge are possible.

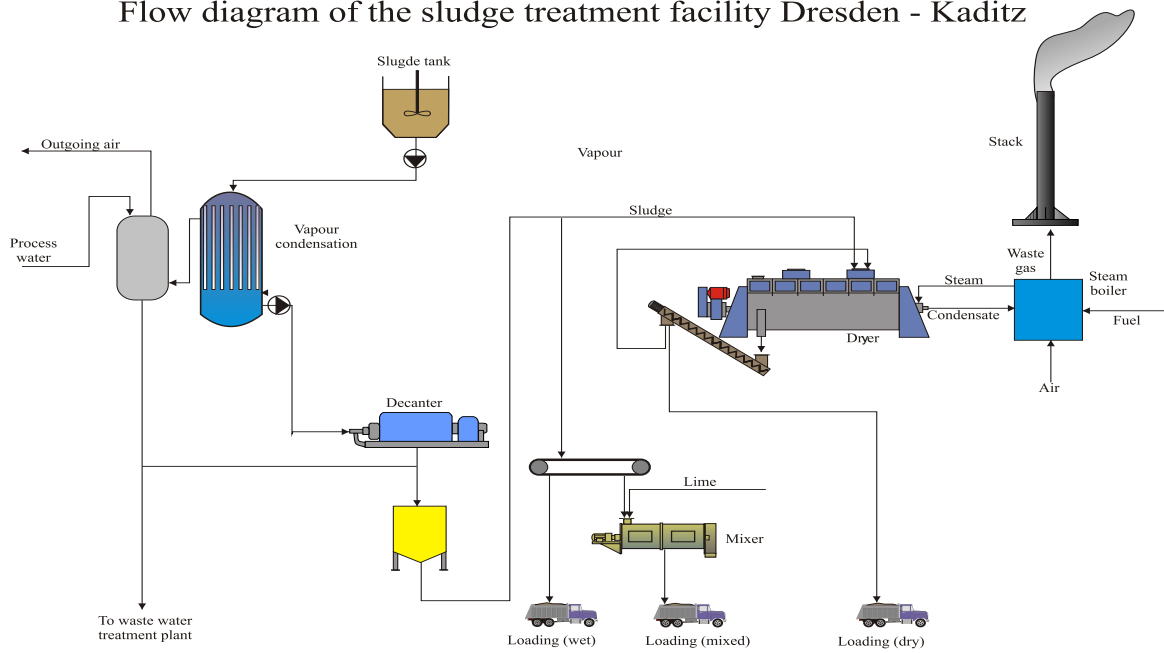
Haarslev Industries

Atlas Stord and Haarslev merged to Haarslev Industries in 2006. Over 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.

Flow diagram of the sludge treatment facility Dresden - Kaditz



JUP030313

Technical data for the sludge handling system

Drying capacity 260 t wet sludge/day

Sludge treatment

- DS content in front of centrifuge 4 %
- DS content behind centrifuge 24 %

Sludge drying, values per dryer

- | | |
|----------------------------------|--------------------|
| 2 disc dryers | TST-90R |
| • Number of discs | 64 |
| • Heating surface | 314 m ² |
| • Wet sludge flow | 5.400 kg/h |
| • DS content wet sludge | 24 % |
| • DS content of dried sludge | 90 % |
| • Installed power of dryer drive | 132 KW |
| • Heating medium | Saturated steam |

Emission values of the steam production

(Standard condition, dry, 3% O₂, fuel-natural gas/fuel oil)

SO₂ > 35 /400 mg/m³ Dust < 5/50 mg/m³
 NO_x < 200/250 mg/m³ CO < 100/170 mg/m³

Sludge treatment plant

Start up sludge drying 1994
 Operation time > 8.000 h/a

Dry material removal

Recultivation

Steam generation

- 1 large volume boiler with dual fuel burner
- Fuel Natural gas or fuel oil
- Combustion capacity 8,9 MW
- Steam generation 14 t/h
- Steam pressure/temp. 10 bar/180°C

We reserve the right to make alterations without further notice.



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