

Prozesstechnologie zur Abwasserbehandlung, Schlammbehandlung und Gasverwertung



OSWALD SCHULZE
Umwelttechnik GmbH

For energetic use and for load reduction of the municipal WWTP Haselünne the process waste water of Conditess company (Bakery production) is anaerobically pre-treated on the municipal plant site. The new pretreatment plant for 60 m³/d and 1.250 kg COD/d includes the complete anaerobic treatment plant with storage tank anaerobic reactor and gas utilization.

OSWALD SCHULZE has realized as general contractor the detailed engineering, the civil construction, mechanical supply and installation and the electrical installations for the following treatment units

Anaerobic Process Water Pre-Treatment
WWTP Haselünne



- Feeding pumping station with submerged pumps
- Storage tank, 200 m³, stainless steel with glas fiber cover
- Dosing stations für acid/base
- Anaerobic feeding pumping station
- Grease receipt station with heated storage tank
- Anaerobic-Reactor (Concrete), 1.800 m³ mit vertical mixer, internal heating
- Vacuum de-gasing plant and lamella separator für sludge recirculation
- Final effluent pumping station
- Gas holder, 200 m³ with gas holder pit equipment
- Gas treatment with gas drying and activated carbon filtration
- Gas compressor station
- CHP plant, 50 KWeI
- Heating system with boiler and heating distribution
- Biofilter for exhaust air deodorisation
- Operation building with machine hall, CHP/boiler room, electrical switch bord room
- Complete measurement system
- Complete electrical installation system with PLC system

Realization time: 2015 - 2016

Commissioning: 08/2016

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Beratung, Projektierung, Lieferung, Montage und Inbetriebnahme von verfahrenstechnischen Anlagen zur Abwasser- und Schlammbehandlung und Gasverwertung

Project Consulting, Design, Engineering, Erection and Commissioning of Wastewater, Sludge Treatment and Gas Utilization Plants

- Schlammbehandlung anaerob und aerob
- Schlammintegration
- Schlammwässerung
- BHKW-Anlagen
- Gasspeicherung
- Mechanische Abwasserreinigung
- Biologische Abwasserreinigung
- Anaerobe Industrieabwasserbehandlung
- Bioabfallvergärung
- Pilotanlagen
- Ersatzteillieferung
- Aerobic and Anaerobic Sludge Treatment
- Sludge Digestion / Destruction
- Sludge Dewatering
- Biogas Cogeneration Plants
- Gas Storage
- Mechanical Wastewater Treatment
- Biological Wastewater Treatment
- Anaerobic Industrial Wastewater Treatment
- Biosolids Digestion
- Pilot Plants
- Spare Parts

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