

Prozesstechnologie zur Abwasserbehandlung, Schlammbehandlung und Gasverwertung



OSWALD SCHULZE
Umwelttechnik GmbH

The **Dairy Plant Wiesehoff** in Schöppingen, Germany produces different dairy products for wholesale chains. Because of continuous production increases and the limited space conditions on the existing premises a completely new treatment plant for the production waste water was designed and built.

The new treatment plant includes a complete physical and biological pre-treatment for indirect discharge of the production waste water (500 m³/d, max. 4.000 kg CSB/d).

OSWALD SCHULZE company received as general contractor from the operating company AWS GmbH a contract for design and built of the plant with civil construction and mechanical and electrical installations with the following treatment units:

Process Water Treatment Dairy Plant Wiesehoff



- Inlet Sieve
- Stainless Steel Mixing/Storage Tank, 800 m³
- Flotation Plant with Chemical Dosing Stations
- Sequencing Batch Reactors for biological treatment, stainless steel reactors 3 x 400 m³
- Effluent buffer tank, stainless steel, 175 m³
- Blower Station with screw blowers 4 x 850 Nm³/h
- Sludge treatment with mechanical thickener station and polymer dosing station
- Sludge storage tank. Stainless steel 75
- Waste air treatment with, 70 m²
- Pumping stations for waste water and sludge
- Operating and equipment building ca. 180 m²
- Complete instrumentation, e.g. automatic sample stations, flow meters, pH/Oxygen measurements
- Complete electrical installations with low voltage distribution, control panels, PLC system



Construction time: 2012 - 2013

Start up: 2013

Prozesstechnologie zur Abwasserbehandlung, Schlammbehandlung und Gasverwertung



OSWALD SCHULZE
Umwelttechnik GmbH

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
- Schlammentwässerung
- 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

OSWALD SCHULZE
Umwelttechnik GmbH

Krusenkamp 22-24

D – 45964 Gladbeck
Tel.: +49(0) 2043 3160 0
Fax: +49(0) 2043 3160 111

www.oswald-schulze.de