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HUBER sludge treatment solution on STP Freystadt – a concept that pays off for the operators

The newly installed process chain replaces the previous system with contract dewatering and its associated problems. STP Freystadt is designed for approximately 8,000 PE. The sludge on site was previously dewatered only once a year. After the implementation of the new HUBER systems, comprising a HUBER Screw Press Q-PRESS® and a HUBER Sludge Turner SOLSTICE®, the plant operators can look forward to a smoother and easier plant operation, and the disposal costs incurred by the municipality of Freystadt will now decrease significantly.

Sludge is pumped from the storage ponds and cold digesters to the dewatering building where a HUBER Screw Press Q-PRESS® 280 is installed that dewateres the sludge to approx. 24% DR. Two HUBER Screw Conveyor Ro8 T units transport the dewatered sludge into a greenhouse where the solar dryer HUBER Sludge Turner SOLSTICE® is waiting for the sludge to be dried.

Everyone interested is welcome to join an excursion HUBER will organise during IFAT. The tour we offer will start at the IFAT Trade Fair Centre on Tuesday, 15th May 2018 (meeting point HUBER stand no. 351 in hall A2). We look forward to your registrations by phone or e-mail, or you may use the registration form attached to the official excursion flyer. The plant is going to be commissioned shortly before the IFAT and will have processed “the first” sludge by then.

The new HUBER Sludge Turner SOLSTICE® 9 underwent an extensive redesign with the focus on easy maintenance, reduced wear and long lasting product life. Furthermore, all motors of the HUBER machines and the ventilators/aerators have been replaced by motors of efficiency class IE4. A new safety system has been developed in cooperation with the Technical Inspection Authority (TÜV). The installation of this system has additionally improved the aspect of work safety for the plant operators. The many beneficial details can be explained and presented best directly on site.

All plant components are matched to each other. HUBER prepared a functional description on the basis of the fixed points given by the tender specification which was then discussed on site with the plant operators and the engineering office Miller from Nuremberg and adjusted accordingly. Especially the electrical control system was individually adjusted to the plant operators' requirements.

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