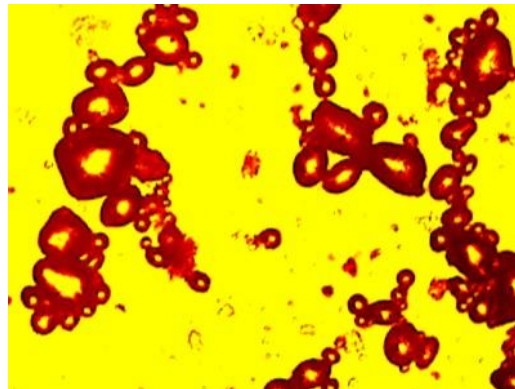


## A NEW PRODUCT FOR SLUDGE DEWATERING ON BIOPOLYMERS BASE

### EWT 21 FHM



#### ADVANTAGES:

- Operating cost reduction up to 20%
- Reduction of the environmental impact of acrylamides up to 50%

Significant improvement in the flocculation properties, as well as

- Reduction of the moisture content of sludge
- Increase drainage and retention
- Very effective flocculation of finely dispersed inorganic particles

The advantages are derived from laboratory and practical experience through operational tests in the large-scale wastewater treatment plant Salzburg-Stadt and surrounding communities, the wastewater treatment plant RHV Wallersee Süd as well as laboratory tests in the Papierfabrik Steyrermühl.

## RESULTS OF THE PLANT TRIAL

*RHV Großraum Salzburg* Stadt und Umlandgemeinden

### 1.0 Dosing point: the pressure side of the polymer pump (06-2015)

Metering pump: Jesco hose pump 2,6 l / l (see photo 1)



Photo 1 Dosing station for EWT 21 (25 L plastic container and Jesco hose pump)

Tab.1 Dosing volumen and SS after Centrifuge

Polymer (0,4%) l/h	EWT 21FHM l/h	SS %
900	0	26,3
800	2,6	27,1
750	2,6	26,9
700	2,6	26,7

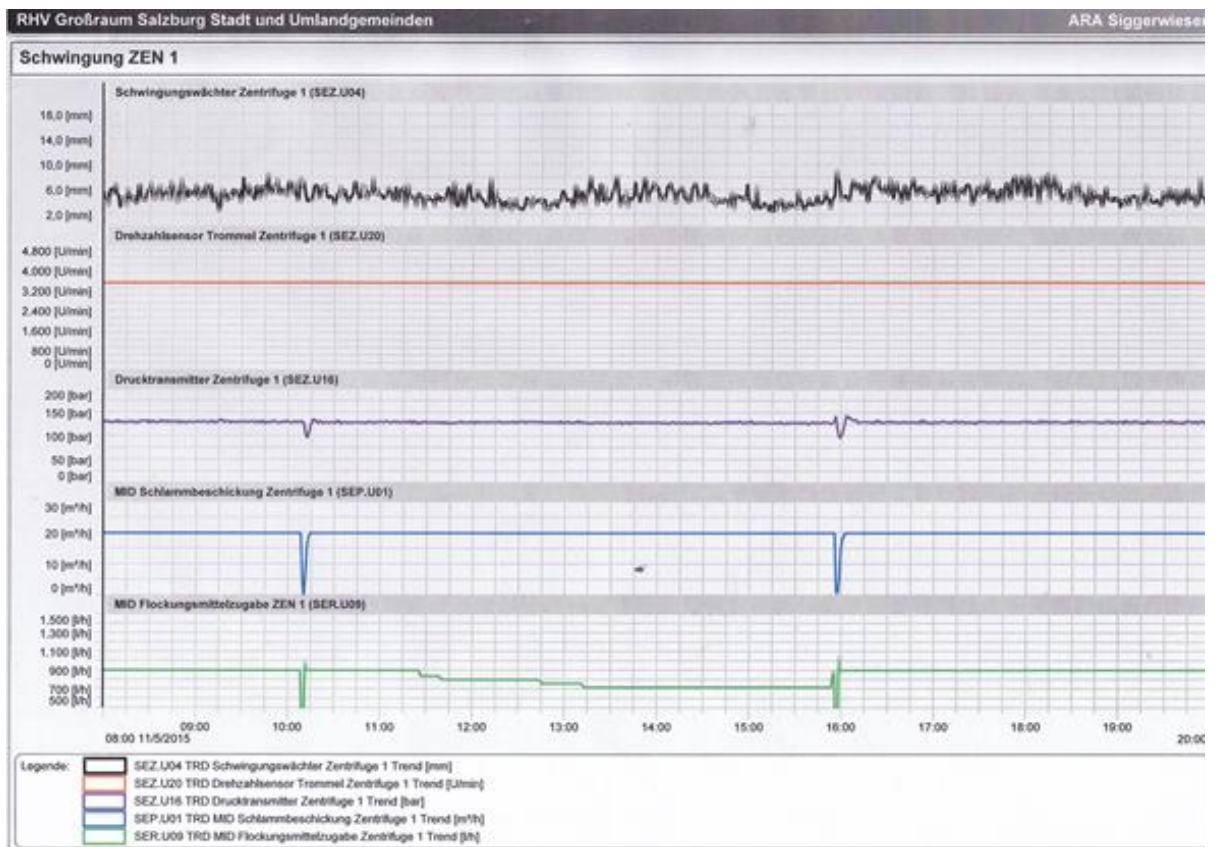


Fig.1 Operating data for: speed sensor, pressure transmitter, sludge feed and flocculant addition

## 2.0 Dosage with existing pump for liquid polymer (Fig.2) (02.2016)

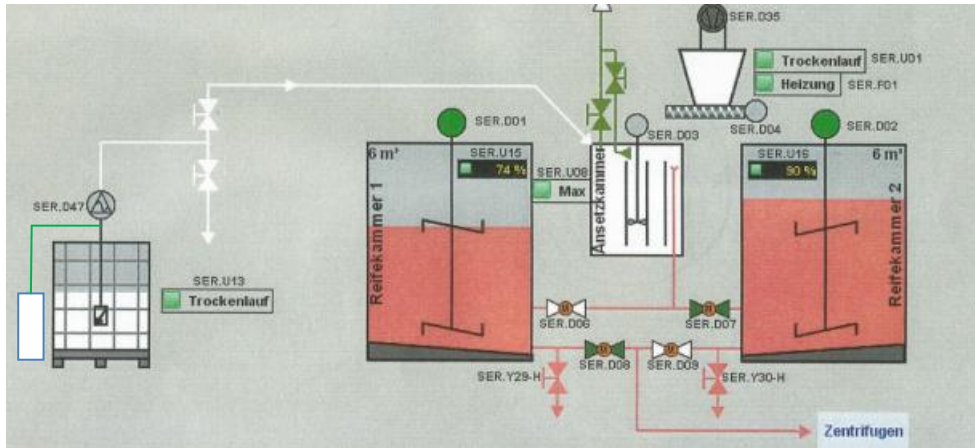


FIG. 2 Dosing system

Tab.2 Dosing volume

Polymer l/h	EWT 21FHM l/h
1.200 (0,4%)	0
1.000 (0,3%)	2,0

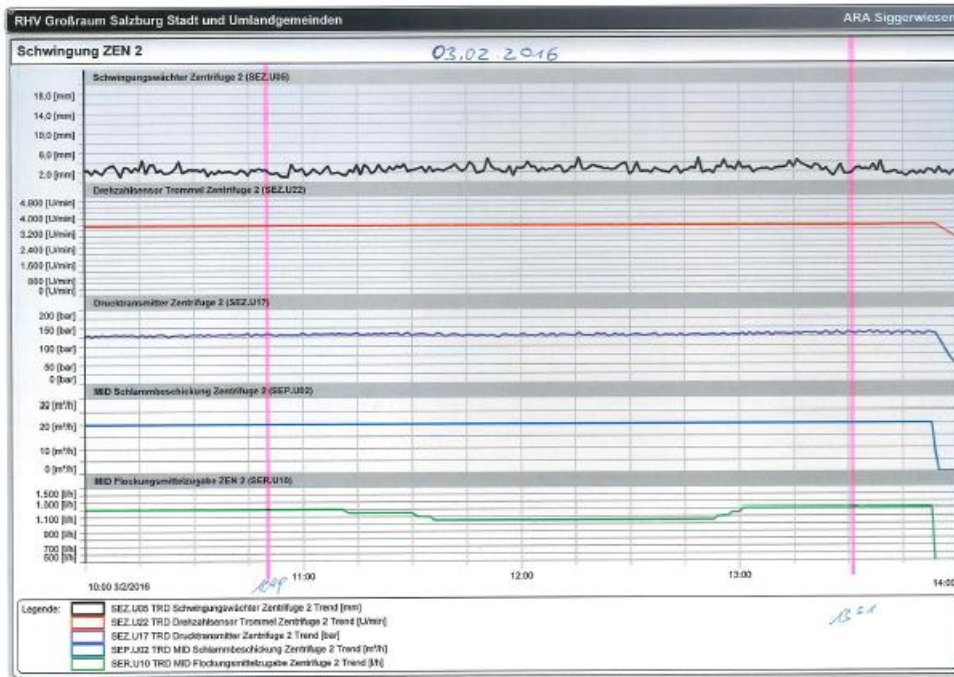


FIG. 3 Operating data for: speed sensor, pressure transmitter, sludge feed and flocculant addition