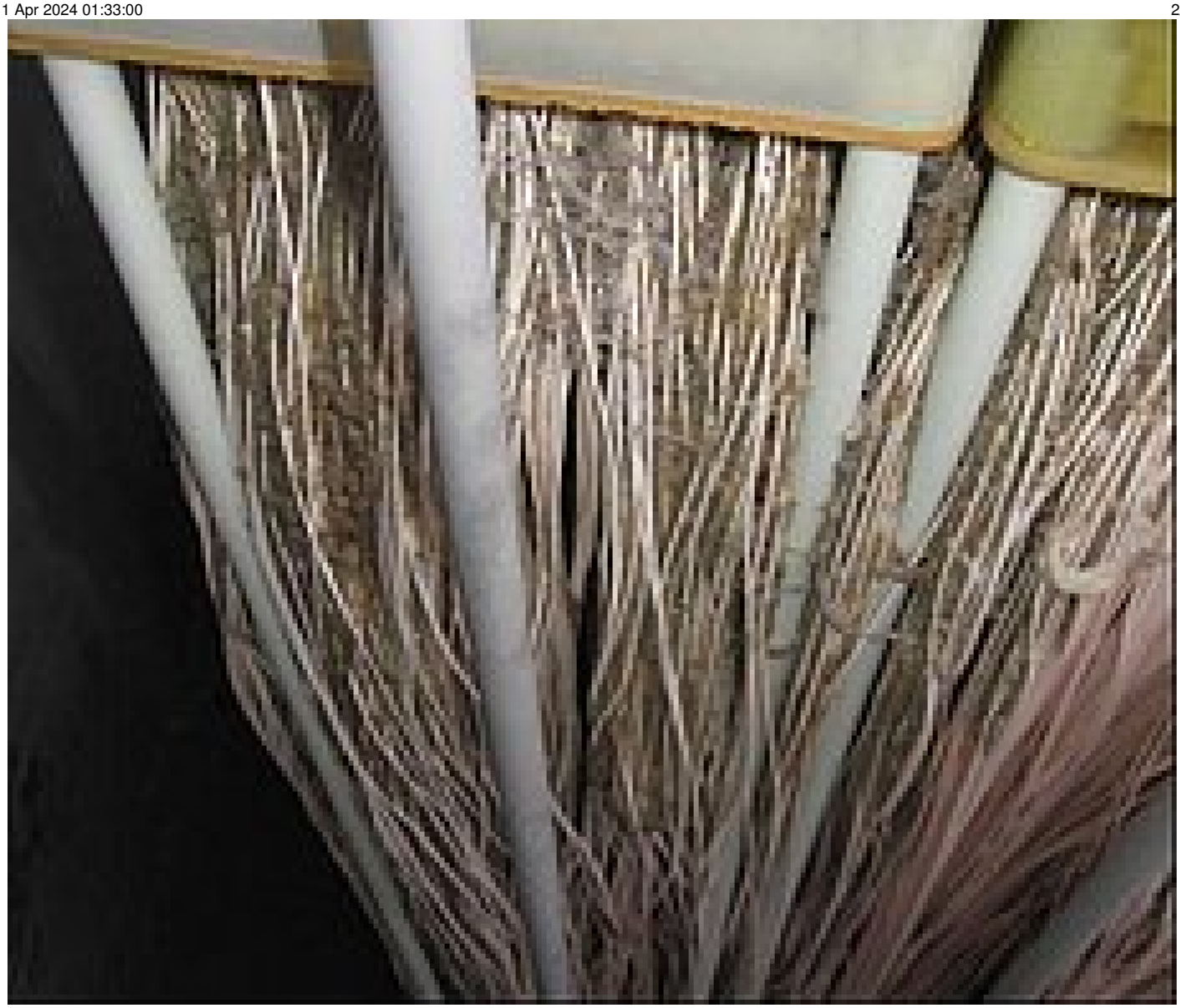
HUBER Technology de México, S. de R.L. de C.V.

HUBER TECHNOLOGY
WASTE WATER Solutions

RPPS screens protect biggest membrane STP in North America

North Las Vegas



Insufficient pre-treatment of wastewater leads to clogging of fibre membranes

In Las Vegas, Nevada the two American contractors CH2M Hill and Greely Hanson build the biggest membrane sewage treatment plant of North America.

Previously, the wastewater of the city's Northern district has been collected and discharged to the Las Vegas central sewage treatment works. In the future, the new North Las Vegas sewage treatment plant will treat this wastewater and handle up to 190,000 m³ wastewater per day.

In December 2010, HUBER supplied four ROTAMAT® Perforated Plate Screen RPPS 2600 units for this plant. The screens have 2 mm perforations and will protect downstream membrane systems. Start-up of the machines is planned to take place very soon. During the start-up phase, the machines will undergo extensive tests and have to prove their separation efficiency.

The membrane systems used on site are hollow fibre membranes supplied by GE and Zenon. Hollow fibre membranes are very sensitive especially to solids and tend to clogging. A high wastewater quality is therefore especially important for such applications.

HUBER has established itself as a supplier of technology for such applications and delivered already a multitude of perforated plate screens for the removal of disturbing coarse material and fibres.

Facts and figures

- Maximum throughput: 190.000 m³ / d
- Type of water: municipal wastewater
- Products: 4 ROTAMAT® Perforated Plate Screen RPPS units, size 2600, 2 mm perforation

Soluciones afín:

- Soluciones HUBER para el pretratamiento mecánico

HUBER Technology de México, S. de R.L. de C.V.
Homero #136, Int. 1004, Col. Chapultepec Morales, México, D.F. C.P.11570
Tel. (55) 5250 8886 & 6798 7339 * www.huber.mx
Empresa filial de HUBER SE, certificada ISO-9001 & ISO-14001, www.huber.de