

WASTE WATER TREATMENT WITH AN MBR IN A COMPANY OF CIDER PRODUCTION (ASTURIAS)



Mayador is a company dedicated to the production of cider. The wastewaters of this type of companies present a marked seasonality in load and flow linked to the cider production processes.

The company requires a technical solution able to quickly adapt to the changing conditions of input load during high campaign and to ensure a high quality of effluent for discharge to public waters.

Thus, the company decided to install an MBR treatment, as it provides a high capacity and a fast adaptation to sudden increases of organic load. On the other hand, the technology of ultrafiltration MBRable®, through the implementation prefabricated units MBRable Train, allows a fast integration and start up with the biological reactor.

The MBR installed has a treatment capacity of 80 m³/day. Europe Membrane provided a unit MBRable Train equipped with a cassette with 360 m² of ultrafiltration membrane surface installed expandable up to 504 m², a membrane tank, a permeate tank and a concentrate tank, and a hydraulic panel including a PLC, automatisms, instruments and elements of control and monitoring equipment.



Year: 2016

Sector: Cider production

Flow: 80 m³/d

BOD5 influent: 3.300 mg/l

BOD5 effluent: <25mg/l

