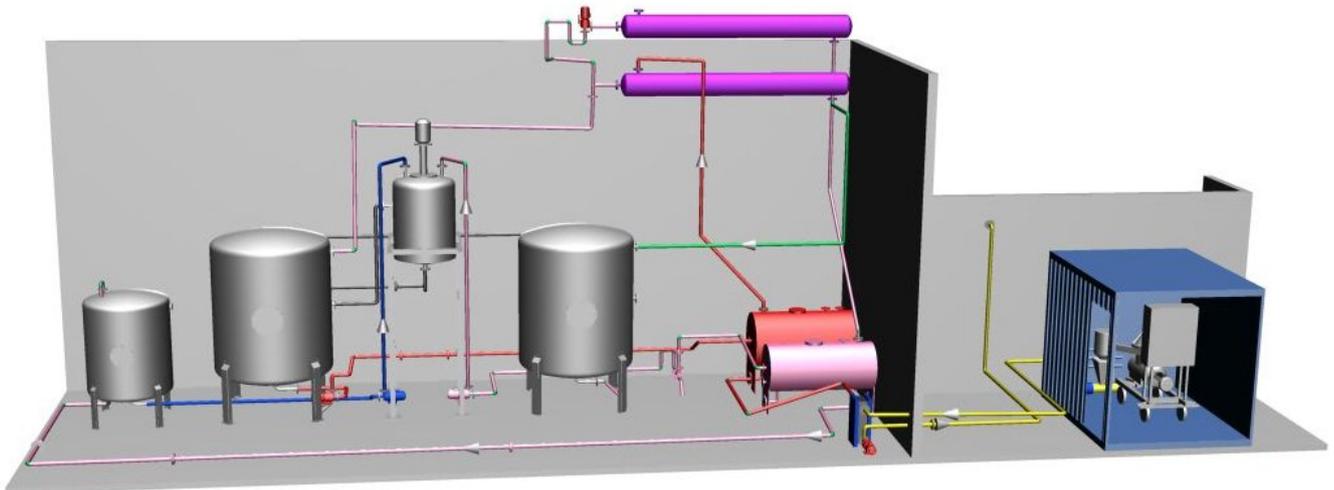
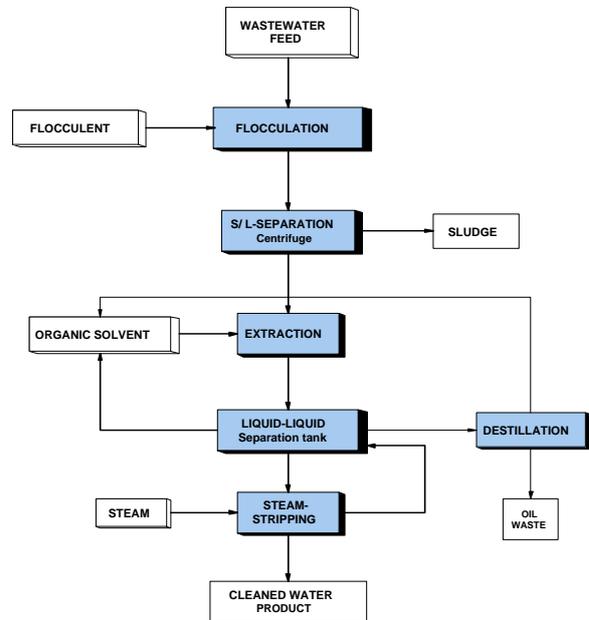


Removal of Hydrocarbons from Seawater

At Mongstad in Norway MEAB has designed a process for the removal of hydrocarbons from seawater. First, the solid matter seawater was removed by a solid/liquid separation step with a centrifugal decanter. The following solvent extraction step used 2-ethylhexanol as extractant. The hydrocarbons absorbed in the extractant were collected using an evaporation steps and finally, traces of dissolved extractant were recovered by steam stripping from the raffinate.

Six different wastewaters were considered with TOC varying from 350 to 13400 mg/l and with Oil index varying from 10 to 5700 mg/l. The operation of the process was tested with good results.



Solvent Extraction

Evaporation (vacuum)
Steam-Stripping

Solid/liquid Separation

MEAB Metallextraktion AB, Datavägen 51, SE-43632 ASKIM, Sweden

☎ +46 31 685414.

Fax +46 31 685474.

MEAB ChemieTechnik GmbH, Dennewartstrasse 25, D-52068 AACHEN, Germany

☎ +49 241 9631180.

Fax +49 241 9631185.

MEAB Know-how Info 13-2010

contact@meab-mx.se

www.meab-mx.se

contact@meab-mx.com

www.meab-mx.com