

Waste water treatment for Gallfood

INDUSTRIAL WASTE WATER TREATMENT

DAF unit

Pureco Ltd. together with its technological partner, called Nijhuis Water Technology has delivered a one-stage wastewater treatment plant (WWTP) to one of the market leader turkey processing company. Gallfood, situated at Kecskemét, Hungary provides turkey products on a wide scale, which have been successfully introduced not only on the Hungarian but on the European markets as well. The WWTP must have been constructed due to production capacity extension of the meat processing hall, to be able to handle the higher volumetric load, fed to the WWTP.

The new technology of the WWTP, consists only one stage a so called dissolved air flotation unit (DAF) together with a curved screen in order to meet with the sewage effluent requirements. While the curved screen is dedicated to remove any coarse material being present in the wastewater, the flotation unit removes most of the non-dissolved materials. The required chemicals such as FeCl₃, NaOH and poly electrolyte dosed into a flocculator pipe prior to the DAF unit.

The primary sludge has relatively high total solid concentration, therefore any dewatering step is unnecessary before it is transported to an incineration plant. The newly built WWTP has been successfully operated since 2007, meeting with the required discharge parameters and makes Gallfood able to reduce environmental impacts and ensures sustainability.



Parameter	Mértékegység	Influent	Effluent
Flow	m ³ /d	2 000	
CODt	mg/l	3 000	≤ 1 000
BOD5	mg/l	1 800	≤ 300
FOG	mg/l	550	≤ 50

new flotation technology, curved screen, meet processing industry, multiprocessing, flotation, sustainability

