

Case Study: Northern Greece Sewer Network



BIO-ENVIRONMENTAL
innovative hydro solutions

Case Study	Northern Greece Network
Location	Northern Greece
Target	Odour Control
Population Equivalent	12,000
Flowrate	2,500 m ³ /day
Treated wastewater	Public WW
Project Initiation	03/2017

Parameter	Units	WWTP effluent legislation limits	Sewer System wastewater Average Values BEFORE	Sewer System wastewater Average Values AFTER	Reduction
BOD	mg/lit	25	225	78	65.5%
COD	mg/lit	125	700	300	57.1%
Dissolved COD	mg/lit	-	190	110	42.1%
SS	mg/lit	35	550	15	97.3%
TP	mg/lit	2	6.25	4.95	20.8%



Comments & Results

- ☐ The wastewater parameters entering the WWTP were significantly reduced resulting in the overall reduction of the incoming organic load.
- ☐ Odours, Fats, Oils and Grease in the Sewer Network, manholes and pumping stations were eliminated.
- ☐ Sewer pipelines and pumping stations were cleaned and therefore the standard cleaning maintenance was not required.