

# Case Study: Southern Greece WWTP



BIO-ENVIRONMENTAL

innovative hydro solutions

Case Study	SOUTHERN GREECE W.W.T.P
Location	Southern Greece
Target	Sludge Elimination
Population Equivalent	200,000
Flowrate	38,000 – 40,000 m <sup>3</sup> /day
Treated wastewater	Public WWTP
Project Initiation	10/2013



Parameter	Units	Input (Average)	SLUDGE PRODUCTION BEFORE ton/day	SLUDGE PRODUCTION AFTER ton /day	Reduction
Suspended Solids	mg/litre	100	30 – 35	0	100 %
COD	mg/litre	400			
TN	mg/litre	70			
TP	mg/litre	7			

## Comments & Results

- ☐ The total reduction of excess sludge occurred with the anaerobic digestion stage not in operation
- ☐ The electricity consumption in the aerobic zone has been reduced to approximately 15% after the application of our bacterial products
- ☐ The SVI values in the sedimentation tanks were improved