

WWTPs of the Municipality of Nea Propontida (Chalkidiki), Greece

The Municipality of Nea Propontida is one of the five (5) Municipalities of the Prefecture of Chalkidiki. The Wastewater Treatment Plants (WWTPs) of the Municipality of Nea Propontida consist of WWTP N. Kallikrateia, WWTP Dionysiou-Flogiton, WWTP N. Moudania, WWTP N. Triglia, WWTP Simantra and WWTP N. Potidea. The facilities are located in a very sensitive area due to the great tourist attraction during the summer months, as well as the special need to protect the marine environment around the municipality of Nea Propontida. In addition, the seasonal fluctuation of the incoming pollutant load, but also the increased quantity of septic sewage disposed by trucks in these plants during the summer season create additional pressures on plants' operational level. Through the controlled addition of the selected bacteria, a reduction of the excess dewatered sludge was achieved and an improvement of the operational stability during the high-load season has been observed. Further operational improvements are related to the effluent quality improvement, in compliance to the plants' Environmental Terms, as well as the reduction of the foaming phenomena typically encountered at these plants due to the occasional inflow of seawater into the sewer network.

