

**OPERATIONAL RESULTS ON STABILIZATION PONDS IN THE REGION
OF RIVER GALLIKOS, THESSALONIKI, GREECE**

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ABSTRACT

The paper presents the operational results of three trains of stabilization ponds as far as their effluent concentration in BOD₅. Raw sewage, 120 m³/day, with an average BOD₅, of 382 mg O₂/l, was pumped from the conventional wastewater treatment plant and was first flown into an anaerobic pond. Then, 1/3 of this quantity were transferred into the first train and the rest into the second one. The third train treated 50 m³/day with a mean BOD₅ of 126. The results, after two years, revealed that the mean BOD₅ reduction in the anaerobic was 50%, in the facultative 80-90% and in the aerobic 40%. The mean BOD₅, at the exit of each train, was 4.9, 15 and 7.9 mg O₂/l, respectively.