

PETRO[®] system: A low-tech approach to the removal of waste-water organics (incorporating effective removal of micro-algae by the trickling filter)

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Abstract

The system offering low-tech low-cost treatment of municipal sewage is described. It is based on a ponding process followed by a trickling filter (TF). Micro-algae produced in stabilization ponds are removed in the TF. It is suggested that micro-algae contribute to biofilm production and organic load reduction in the TF.