

The Use of Macrophyte Ponds in Treatment of Meat Industry Wastewater

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Abstract

*This report describes investigations using macrophyte ponds which quantitatively assess the role of *Typha laxmanni*, in removal of BOD, COD, Suspended Solids, Nitrogen and Sulfide from Zeyran Meat Industry Wastewater.*

The macrophyte ponds received effluent from anaerobic and facultative ponds with residence time of 4 and 15 days respectively. The surface area of macrophyte pond was 1708 m² with residence time of 1 day and average depth of 0.35 m.

Our results demonstrate that macrophyte ponds can be used successfully as a maturation pond.

Key Words:

*Wastewater treatment, *Typha Laxmanni*, Wetland treatment.*