

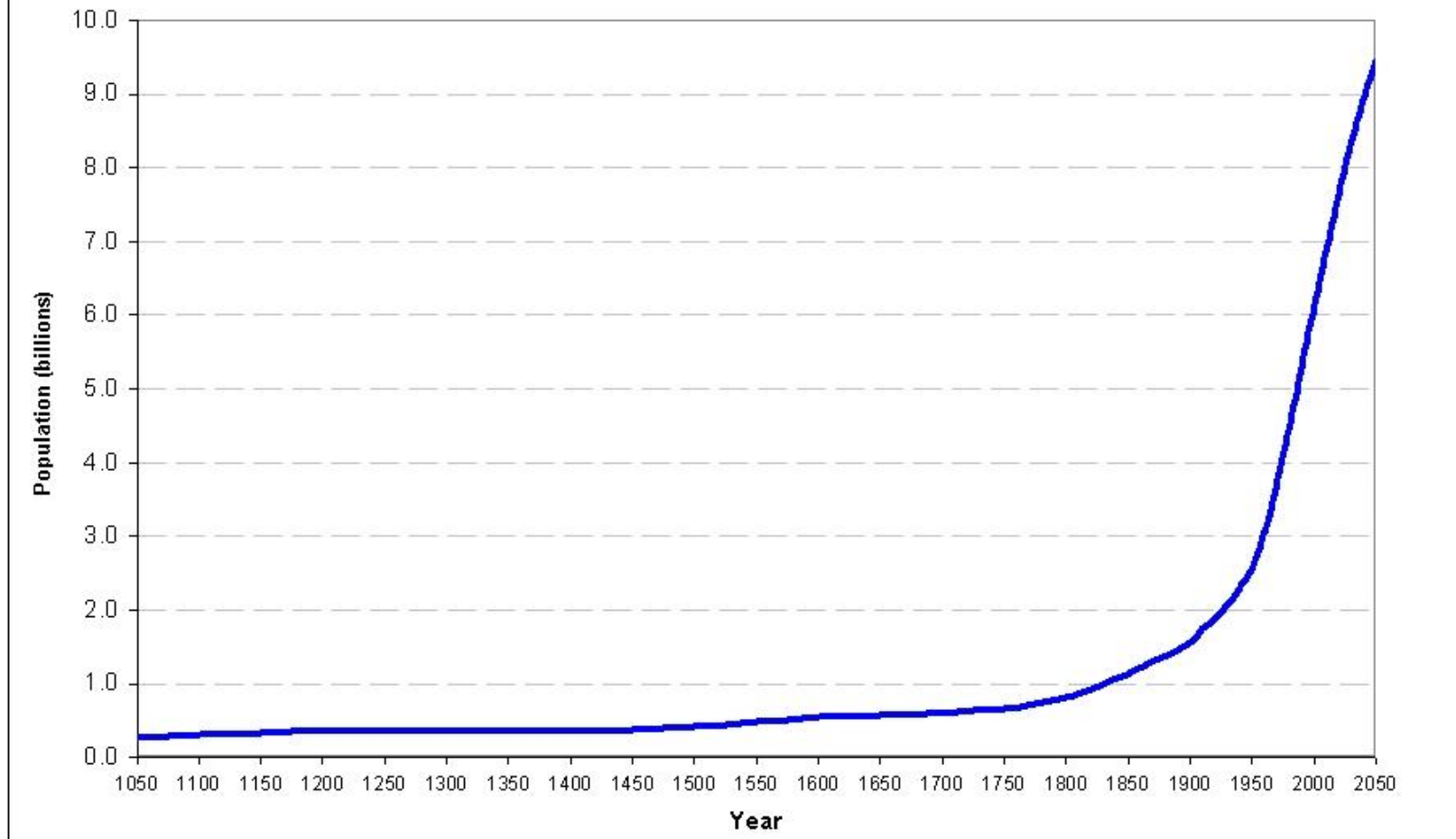
Wastewater Treatment
Technology
Lecture 1

Literature

1. **Metcalf & Eddy, Inc. (2003), Wastewater Engineering: Treatment Reuse, McGraw-Hill, Inc.**
2. Metcalf & Eddy, Inc. (1991), Wastewater Engineering: Treatment, Disposadl and Reuse, McGraw-Hill, Inc.



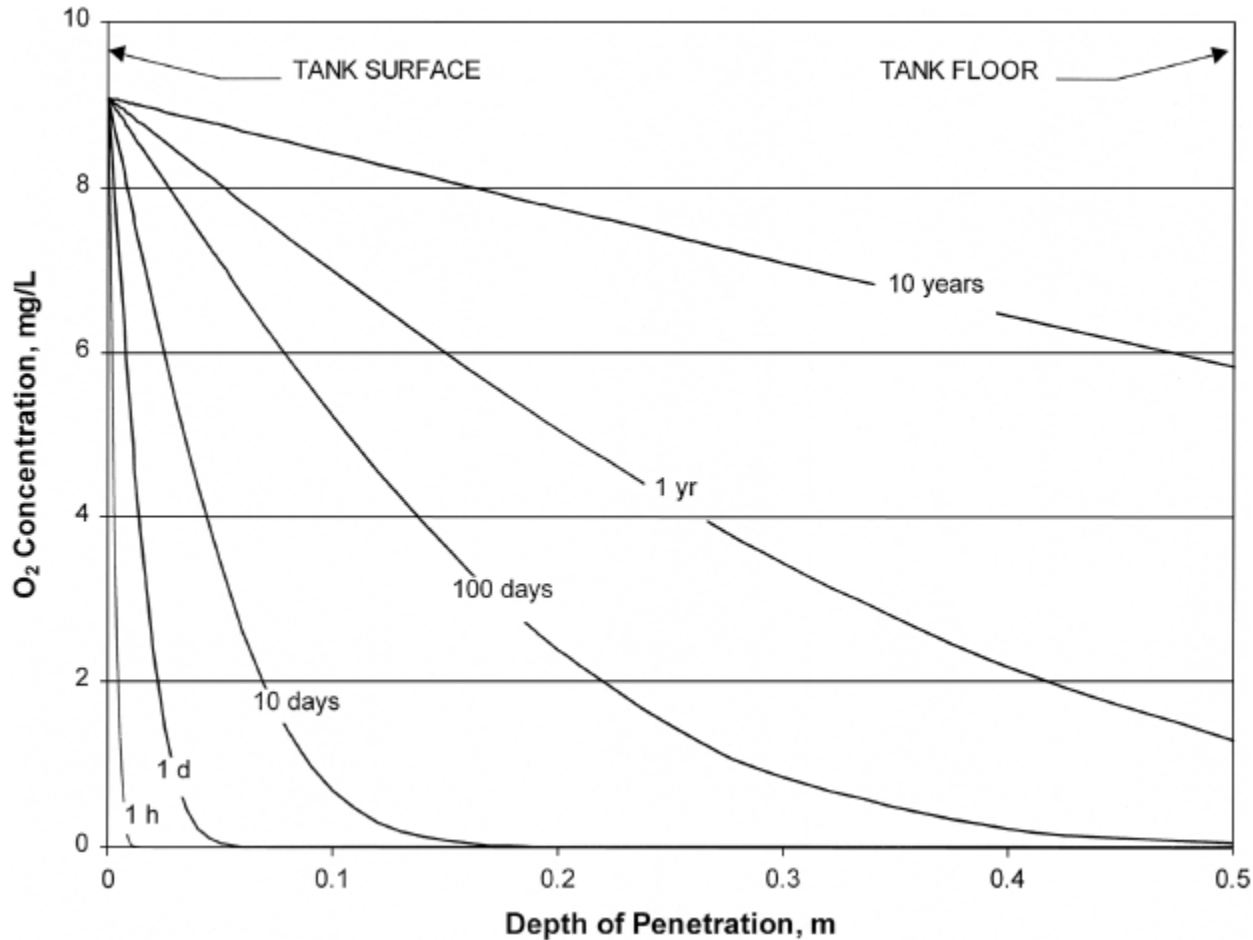
World Population and Growth Rate





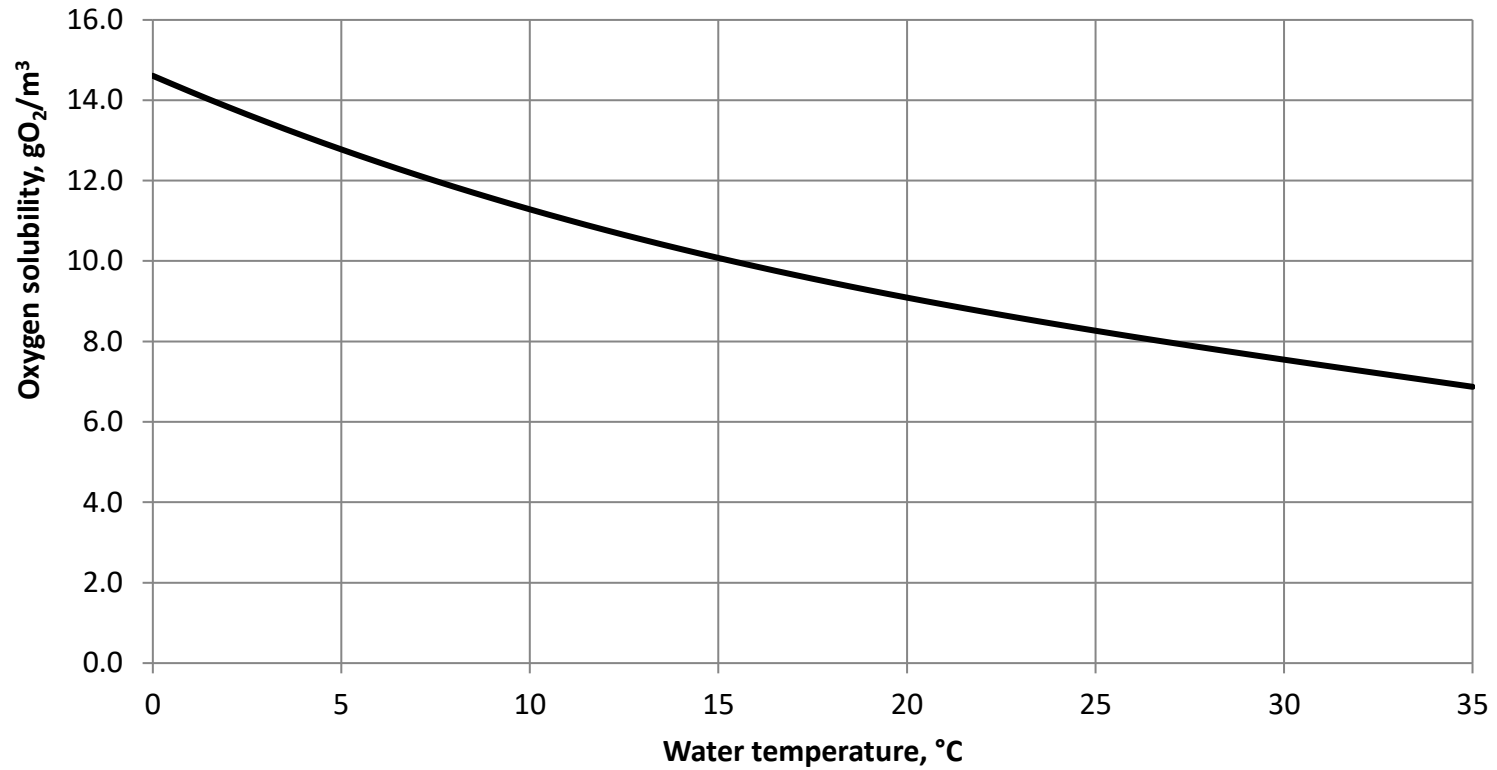
Organic compounds – their influence on aquatic environment


Oxygen solubility in still water without mixing and photosynthesis



(Mueller J.A., Boyle W.C., Popel J.H Aeration: Principles and Practice CRC Press 2002)

Solubility of oxygen





BOD₅ and COD concept as a
measurement of organic compounds



Nitrogen and phosphorus– influence on environment

Experimental lake area

