~~SOIL~~ SA/L03 30/11

Wastewater chars

Sewage water chars

Physical chars of wastewater

Odor

Temperature

Density

Chem chars

BOD

Derivation BOD Eq

$$L_t = L_0 e^{-kt}$$

Limitations

SA/ LOG

02/12

BOD $BOD_t = L_0(1 - e^{-Kt})$

Example 1.

BOD for Nitrogenous OM

COD

TheoD

ThOD example

C = 12; $12 \times 12 = 144$

H = 22; $22 \times 1 = 22$

O = 11; $11 \times 16 = 176$

$$\frac{12 \times (16 \times 2)}{342}$$

Inorganic matter

Typical wastewater contamination [not impo]

Waste water treatment standards

SA/L05 07/12

Collection of wastewater

Important terms

diff. btwn sewage, sewer, sewerage

Conventional sewerage system

Basic functional elements

Types of collection system Chap 10

Three

1. Separate sewerage system
2. Combined
3. Partially combined/ separate

