

## Reading Guide

CEEG 340–Introduction to Environmental Engineering

Instructor: Deborah Sills

**Reading assigned for Monday 10/28: pp. 442-447 & pp. 213-216**

After completing the reading, you should be able to:

1. For pp. 442-447:
  - (a) Describe improved and unimproved sanitation technologies.
  - (b) Describe characteristics of wastewater.
  - (c) Describe goals of wastewater treatment.
  - (d) Describe an overview of the unit processes used to treat and recover energy from wastewater.
2. For pp. 213-216:
  - (a) Define and describe BOD, CBOD, NBOD, ThOD, BOD<sub>5</sub>, BOD<sub>U</sub>, COD.
  - (b) Given the chemical equation of an organic (carbon-based) molecule, calculate carbonaceous theoretical oxygen demand (ThOD)