

Reading Guide

CEEG 340–Introduction to Environmental Engineering

Instructor: Deborah Sills

Reading assigned for Monday 11/4: Textbook pp.442-455

After completing the assigned reading (you've read much of this before), you should be able to:

1. Describe the term “priority pollutant.”
2. Describe one example of an improved sanitation technology, and one example of an unimproved technology.
3. Describe the two purposes of municipal wastewater treatment.
4. Describe the term “contaminants of emerging concern.”
5. Describe the National Pollutant Discharge Elimination System (NPDES).
6. Describe the characteristics of *raw* untreated wastewater.
7. Describe the standards for wastewater treatment (Table 9.3). You only need to remember the 30/30 rule mentioned in class.
8. Describe the layout of a typical wastewater treatment plant.
9. Describe the goal of primary treatment.
10. Size a primary clarifier (Ex. 9.3).