EVE 405 Lesson 06: Wastewater Characteristics

Instructional Objectives

1. List and discuss the major forms of phosphorus in wastewater.
2. List and describe four toxic compounds found in wastewater.
3. List and describe four toxic inorganic compounds found in wastewater.
4. Describe and contrast the characteristics of indicator organisms to pathogens.
5. Compare and contrast three sampling methods used in wastewater monitoring.
6. Explain in detail two methods used for determining the most probable number.
7. List the genus and species of four pathogenic organisms.
8. List annual average and maximum monthly effluent limits for secondary WWTPs.

Study Assignment

1. Read pages 102-111 in course text

Homework

1. Work problem 5.4
2. Work on Technical Memorandum No. 1: Basis for Design due January 31, 2008