Lesson 25

EVE 405 Lesson 25: Solids Handling

Instructional Objectives

1. Calculate the quantity and volume of sludge generated from WWTPs.
2. Prepare schematic of sludge treatment trains.
3. Perform mass balances and flow balances around sludge processing systems (i.e. gravity belt thickener, belt press, centrifuges, etc.)
4. Identify the types of sludge thickening, stabilizing, and dewatering systems and explain how they work and the % solids expected out of each.

Study Assignment

1. Read pages 629-658

Homework

2. Work on Technical Memorandum No. 4: Advanced Treatment and Disinfection due April 10, 2008.