Lesson 11

EVE 405 Lesson 11: Sedimentation

Instructional Objectives

1. Design a primary clarifier system based on overflow rate \( (V_o) \) and detention time \( (\theta) \). Check weir loading rate to ensure compliance with regulatory requirements.
2. Design a primary clarifier system with the capacity to treat average and peak wastewater flow rates.

Study Assignment

1. Read pages 219-247 of the course text.

Homework

1. Work problems 9.2 and 9.3
2. Work on Technical Memorandum No. 2: Preliminary Treatment due February 28, 2008