Activated Sludge Process and Control

1.1 CECs, Wastewater Technical

You must attend the entire class to earn the CECs

Class qualifies for 1.1 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.

Instructor: John Holland, MRWA

AGENDA Day 1 – Activated Sludge Process and Control	
8:30 - 8:40	Introduction
8:40 - 9:30	Introduction to the Activated Sludge Process • The Basic Process • Modifications of the Activated Sludge Process • Keywords and Definitions • Process Description
9:30 - 10:30	 Operation Normal Operation Process Equipment; Operation Strategy; Microorganisms Abnormal Operation Trouble shooting; Making Corrections
10:30 - 10:45	Break
10:45 - 12:00	Activated Sludge Math• Tank Volumes• BOD Loading• MLSS & MLVSS• F/M Ratio• MCRT & Sludge Age• Return Rate Estimated• Wasting Rates• Return Rate Estimated
12:00 - 12:45	Lunch (provided)
12:45 - 2:00	Plant Tour and Process Familiarization
2:00 - 3:00	Math Continued
AGENDA Day 2	
8:30 - 10:30	Math Continued
10:30 - 10:45	Break
10:45 - 12:00	Math Continued
12:00 - 12:45	Lunch (provided)
12:45 - 2:30	Laboratory • Microorganisms • SVI / SDI
2:30 - 3:00	Review & Questions

