

Homework #5

Design competition for a novel biological wastewater treatment technique

1. Present the process diagram (1 slide)
2. Verbally describe the process logic, advantages over existing techniques, and in which case the process may be applicable (within 5 mins)

* Advantages could be one or more of the followings: improved N or P removal efficiency, improved SS removal efficiency, reduced operational cost (e.g., chemical dosage, aeration requirements, etc.), reduced capital cost (e.g., reduced space requirements, etc.), simultaneous removal of biodegradable & non-biodegradable organics, energy recovery, nutrient recovery

Presentation on Nov 20 (Tue), in class