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Aimee Owens' Individual Contribution Page

Spring 2017 Contributions

During

This is my second semester on AguaClara, and I am happy to return to the High Rate Sedimentation team. Our goal is to increase upflow velocity in the sedimentation tank by further investigating the effect of a fluidized floc blanket on effluent turbidity. Using the model we built last semester, we can spend a lot of time this semester playing, experimenting, and understanding in detail the effects of a high upflow velocity. My goals are to put in my time and be a good teammate, understand as much as possible about our model, and to hopefully discover a reasonable design that could be used in an actual AguaClara plant.

Fall 2016 Contributions

During this first semester on AguaClara, I am working on the High Rate Sedimentation team. Our goal is to increase upflow velocity in the sedimentation tank by further investigating the effect of a fluidized floc blanket on effluent turbidity, mainly by experimenting with the dimensions of floc recirculators and plate settlers. As a new member, my goals are to understand the AguaClara plant as a whole and make significant contributions to my subteam. So far, these have included playing a role in organizing the team's specific steps for building a model and helping to build the model.