

jak232

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I am currently working with the Design Team. Using prior experiences with AguaClara I led a smaller subteam to change the [exit channel](#) design program to base the channel's width on head loss requirements instead of just being a duplicate of the entrance channel. My group then created a prototype for a flocculator drainage system that requires no valves which is now being put on hold because I am currently working on a horizontal flow flocculator for plants with large flows.

I first joined AguaClara working at the Pilot Plant summer 2008 and spent the Fall semester taking CEE 454, as well as having the opportunity to travel with members of the AguaClara team to Honduras over winter recess. During the Spring 2009 semester I resumed worked with the [Pilot Plant](#) team, specifically designing and constructing a [new baffle system](#) for the flocculation tank, which has been completed and installed at the pilot plant which allowed us to run multiple configurations to try and find the best energy dissipation rate(s) for producing low turbidity effluent water. As subteam leader I spearheaded our testing and spent enough time at the Cornell Water Filtration Plant that I was hoping they would start giving me a paycheck thinking I was a plant operator. After running 12 configurations at 2 different flow rates we narrowed down our range of effective dissipation rates, but still need to run more configurations to be able to present conclusive and definitive results.

Content Created

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There are no pages at the moment.
