

bdp45

Brooke Pian's Individual Contribution Page

Summer 2011 Contributions

This summer, I am part of the Demo Plant team. Our challenge is to incorporate the stacked rapid sand filter design of the AguaClara plants into the demonstration plant.

Spring 2013 Contributions

This semester, Bonnie and I continued Tori's work on high flow modifications for AguaClara plants. We considered the constraints on achieving macro- and micro-mixing in the rapid mix channel for high flow plants. I helped write code to determine the geometry of the rapid mix channel. We then calculated the headloss through the channel, as well as the dimensions for a micro-mix orifice sheet and micro-mix gates (of PVC pipes, steel or aluminum bars).

Summer 2013 Contributions

This summer, I am part of the Turbulent Flow Flocculator team.