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Thalia Aoki's Individual Contribution Page

Spring 2012 Contributions

This semester, I worked with Sahana Balaji on redesigning the demo plant's sedimentation tank, and with the entire [Demo Plant](#) team to redesign the overall plant, updating its technology and giving it a new frame. We based our design of the sedimentation tank on the ENGRI 1131 class work from the Fall 2011 semester, and using that design, I constructed a sedimentation tank that successfully creates a floc blanket when connected to the demo plant flocculator. The sedimentation tank was finished early in the semester, and since then, I have worked on building the new 80/20 frame for the plant, and adjusting water flow through the plant (i.e., determining the needed relative heights and locations of each process so as to have the correct head and water levels throughout the plant). I also led the team's work on the User Manual for the demo plant.