

sfk24

Shaina Khan's Individual Contribution Page

Summer 2009 Contributions

This semester I was a member of the Floating Flocc Team. At the beginning of the summer, I helped to install the new parts to our apparatus and to debug *Process Controller*. Besides attending team meetings, at which I was part of making plans, setting up experiments, and analyzing data from experiments, I spent extra time editing our Wiki pages to try to keep them accurate and easy to read. This seems to have helped keep our pages fairly well organized.

In addition, I did some of the preliminary research into hydrophobic surfaces. I also took and edited most of the photographs we included on our Wiki pages this summer.

Fall 2008 Contributions

During the Fall 2008 semester, I was a member of the Pilot Plant team. More specifically, I was one of two members of the Sedimentation Tank sub-team. My partner Kellie and I had designed three experiments to perform to test the advantages of using lamella in sedimentation. However, since sludge blankets never formed simultaneously in the two tanks, I put my efforts into improving the [Pilot Plant](#) and its wiki pages.

Kellie and I each spent several afternoons at the pilot plant trying to form sludge blankets. We also tried to design a way to drain a sludge blanket to a certain height. In addition, I worked with the operators to fix equipment that wasn't working, such as peristaltic pumps. I also worked with Tom to fix one of the biggest problems we had this semester: we discovered before Thanksgiving Break that alum dosing had not been running for some time. Tom and I troubleshot this problem and determined an optimal alum dose for winter conditions. I've documented these and other problems on the [Troubleshooting page](#).

In addition, I was the unofficial photographer for the pilot plant team this semester. Most of the photos we've taken I've embedded in or attached to the sed tank pages. I also created a [permalink to the pictures](#) we took this semester so that future teams would be able to access them.

Among the pages I've created are the Fall 2008 portion of [Construction History](#), the [Troubleshooting](#) page, the [Maintenance and Tips](#) page, and about half of the [Sed Tank Team Meeting Minutes](#) pages. I've also helped improve old pages, including [Construction History](#) and [Methods and Results](#).

My biggest project has been creating the [Beginners' Guide](#) portion of the Pilot Plant Page. This project grew out of the frustration and confusion my teammates and I have experienced this semester. I've added a glossary, a sort of virtual tour, and troubleshooting and tips pages.

Pages Created

Content created by Anonymous

There are no pages at the moment.
