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Spring 2009 Semester Contributions

I am a member of the [Design Team](#). The majority of the second half of the semester was spent editing and debugging the AutoCAD scripts that draw the Sedimentation tank. Given the major revisions that have been done to the sedimentation tank design earlier in the semester much of the code had to be rewritten. I also rewrote the the MathCAD [Lamella script](#) to reflect new knowledge about the minimum spacing between lamella. With regards to wiki editing, I worked on the [flocculator design algorithm page](#) and contributed to the [Plant Designs Page](#) and the [design modifications page](#). The design modifications page lays out the basic design changes that have been made over the years.

Spring 2009 Mid-Semester Contributions

I am a member of the [Design team](#). I have spent the first part of this semester training new design team members and trouble shooting issues with the Gracias Plant design. I adjusted the flocculator program to reflect Monroe's new floc model and the energy dissipation theory of floc formation. I helped update the Sedimentation Inlet Manifold Program to reflect new construction details from Honduras and more accurate theory of manifold flow. I have assisted in updating the variable naming guide to reflect current variables. I have also done wiki documentation for the [Gracias design](#) and the [flocculator program](#).

Fall 2008 Semester Contributions

I am a member of the [Design team](#). I have spent the remainder of the semester dividing my time between trouble shooting issues in the design code and working on documentation of the design algorithms. Most of the trouble shooting issues arose with the [slopes program](#) and the sedimentation tank drawing programs. I made edits too the Lamella and exit channel programs as well. I started working on the documentation of the slopes algorithm but stopped with the news that the program will be significantly rewritten next semester.

Fall 2008 Semester Mid-Semester Contributions

I am a member of the [Design Team](#). I have spent the semester helping complete designs for the Honduras team. I worked on the design algorithms for [Gracias](#) and [4 Communities](#). Finalizing these designs lead to the discovery of errors in some of the design algorithms, I worked on the getting the kinks out of these individual programs. I helped rework several revisions of the slopes program to ensure even flow and no floc break up. I began the documentation process of the various design algorithms. These included the [exit channel](#) and [lamella](#) programs. The outline of the slopes program was put off until all revisions were finalized.

Content created by Anonymous

There are no pages at the moment.
