

Fall 2010 Tube Floc Research

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The following documents summarize the work coompleted during the Fall 2010 semester:

- [Fall 2010 Challenges for the Tube Floc Team](#)
-Lists and some guidelines/plans for the goals and challenges the team hopes to reach during the Fall semester 2010.
- [Fall 2010 Tube Floc Reflection Report 1](#) provides details on our initial work during the semester to identify problems with FReTA and troubleshoot them, as well as finalizing our task list for the semester.
- [Fall 2010 Tube Floc Reflection Report 2](#) provides details on the adjustments made on the Process Controller states ramp down and ball valve close based on the readings of the pressure sensor.
- [Fall 2010 Tube Floc Reflection Report 3](#) provides details on trial experiment ran with the acrylic settling column. Finalization of pressure sensor test is also described.
- [Fall 2010 Tube Floc Reflection Report 4](#) provides details on the process of updating Data Processor and the experiments for 5, 15, and 50 NTU influent turbidity for the study of rapid flocculation.
- [Fall 2010 Tube Floc Reflection Report 5](#) provides the details of our experiments using PAC as a coagulant and compares its performance with that of alum.
- [Fall 2010 Final Report](#) summarizes our final results for the semester and details tasks for future teams.