HRS - Floc Blanket

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Spring 2016

The High Rate Sedimentation team built a new sedimentation tank model with the goal of increasing the upflow velocity by a factor of 5 and decreasing the plan view area, without degrading the performance of the tank. The principle objective was to maintain a stabilized floc blanket as the upflow rate was increased. Various removable modules for the tank were designed to experiment with the stability of the floc blanket and floc re-circulation. Experiments were run at varying flow rates and coagulant dosage to observe floc movement in the presence of different modules. The results of the experiments assessed the feasibility of a high-rate sedimentation tank.

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Documents

	Challenges	Tasks	Symposium	Final Presentation	Final Report
Spring '16