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"Steven Love's Individual Contribution Page

"Spring 2015" Contributions

At this stage in the semester, I have been introduced to the problem at hand but am still studying the process of related plant parts for full understanding of my boundaries. The Fabrication subteam I will be co-operating is designing and producing a Floc Hopper Probe. This device will allow plant operators to measure the turbidity levels on the floc-rich side of the weir at the end of the sedimentation stage; this will in turn allow efficient emptying of the hopper and eliminate the need for intensive cleaning. Boundaries to the Probe's success include a 2" diameter access to the floc hopper, a cement blockage covering the top of the hopper, technology limitations, price limitations, battery and energy options, and intuitive operation for plant users. The deadlines needed to manifest this innovation can be seen in the Fabrication Spring 2015 Task Map.