

# Floc Probe

## Floc Probe



It is difficult to know what is going on inside a sedimentation tank. We have a theoretical understanding based on models, designs, and calculations, but we cannot see what exactly happens inside the tank because it is too dark. Light can hardly penetrate through the top due of the settling plates, and the remaining four sides are walled by concrete. The goal is to create a research tool, a Floc Probe, that can give the AguaClara team an understanding of what exactly transpires in a full-scale sedimentation tank, as it is being used to treat drinking water. With this tool, AguaClara could potentially design a sedimentation tank that would never require sludge cleaning, by keeping all flocs suspended. If all possible sludge accumulation could be prevented, then we would achieve maximum performance from the sedimentation tank.

Members

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### Email Team

Documents

|          | Challenges | Tasks | Symposium   | Final Presentation  | Final Report |
|----------|------------|-------|---|---|--------------|
| Fall '14 |            |       |  |  |              |