

Stacked Rapid Sand Filtration- Pilot Scale

Team Name

The stacked rapid sand filter has been proven to be an alternative to traditional rapid-sand filtration systems, and their efficiency makes them an appropriate component to be used in municipal-scale water treatment facilities. The purpose of the "Pilot-Scale" SRSF team is to accurately model the hydraulic controls throughout a full-scale stacked rapid-sand filter system

a pilot-scale apparatus has been created as a model of the hydraulic controls throughout . The pilot scale was used to develop and provide experimental justification for stacked filter design equations. After instillation and field testing at Tamara, it is vital for the backwash segment of filtration to be controlled for a more efficient use of the system.

Current & Future Research

Summary and links to relevant resources.

Team Members

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Team Documents

	Challenges	Tasks	Teach-In	Presentation
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Past Research

[Spring/Summer 2011](#)
[Fall 2010](#)
[Summer 2010](#)