

Tasks

- Do a complete hydraulic design of the venturi system to see if it is viable.
- Design a series of 3 columns. Make sure to keep head loss between columns low so that the venturi can pump the flocs in countercurrent flow.
- Design a tube settler for the last column to reduce the effluent concentration of PACl and contaminant.
- Design a tube flocculator.
- Build floc blankets using PACl and determine if some clay should be added to create a higher concentration floc blanket.
- Run the entire reactor system without an contaminants to see if the hydraulics are designed correctly.

Add fluoride to the system and measure fluoride removal efficiency.