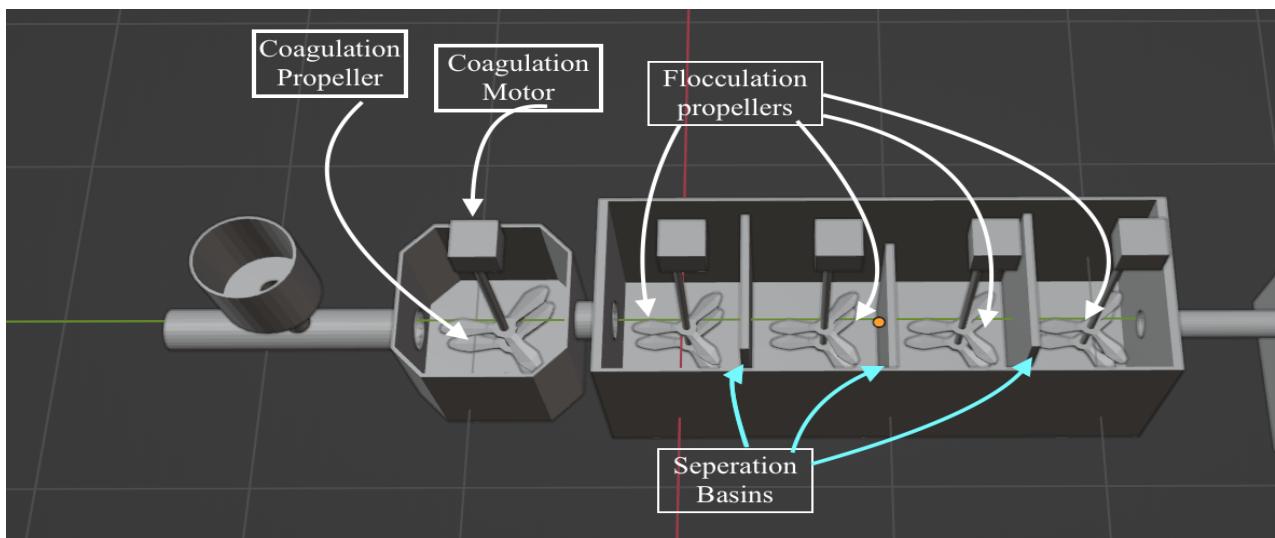
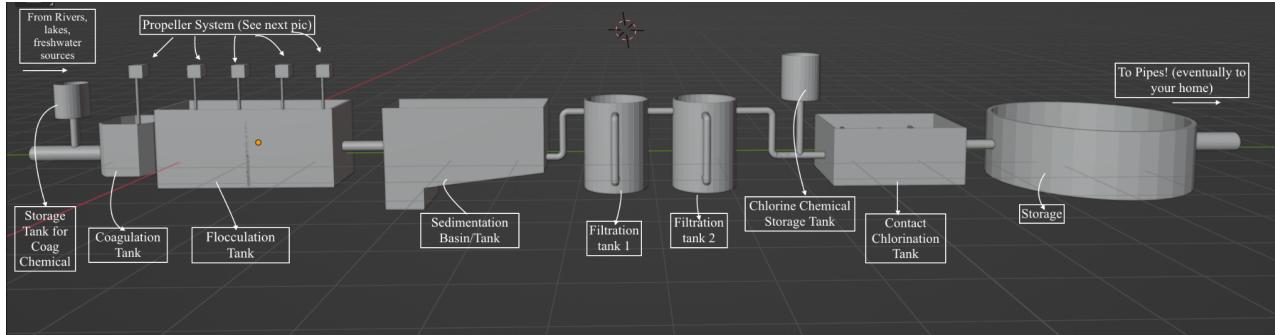


Documentation:

Water Treatment Plant (Also known as Surface Water Treatment Plant):

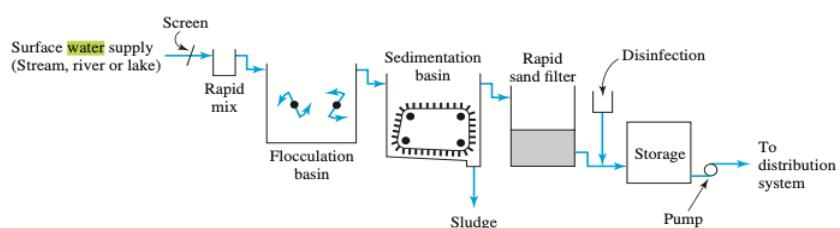
Schematic:



Basic Schematic from [Environmental Engineering book](#):

FIGURE 10-2

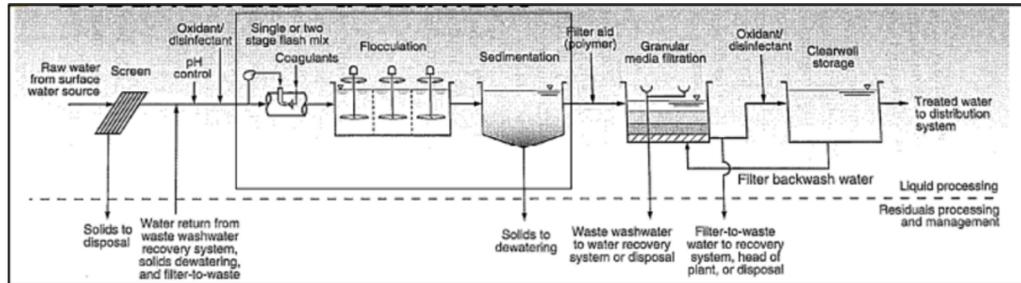
Flow diagram of a conventional surface-water treatment plant (coagulation plant).



(book—I found it for free online): [Principles_of_Environmental_Engineering.pdf](#)

To look at propeller and other systems:

<https://www.structuresinsider.com/post/how-to-design-a-surface-water-treatment-plant-stages>



water treatment plant process

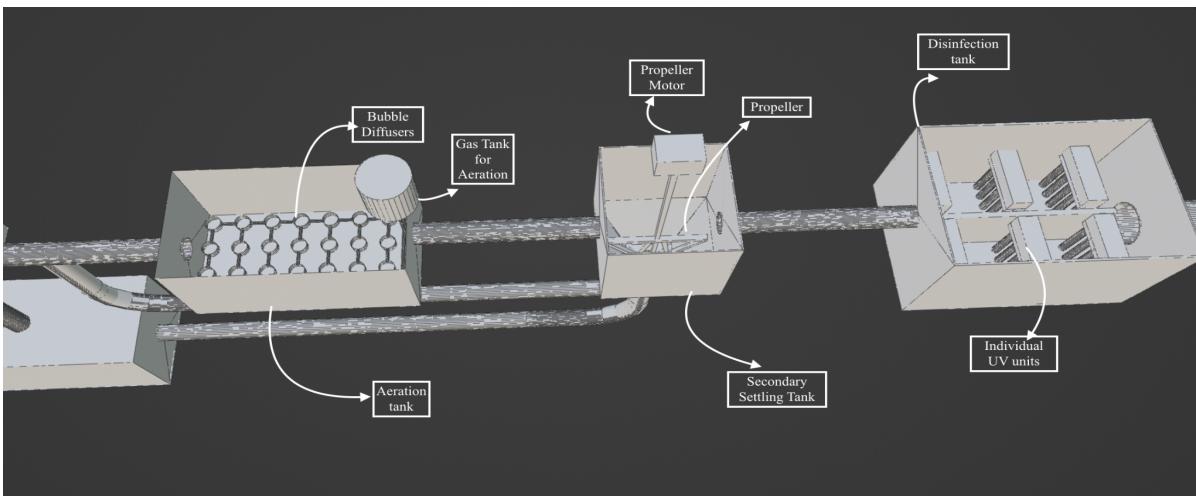
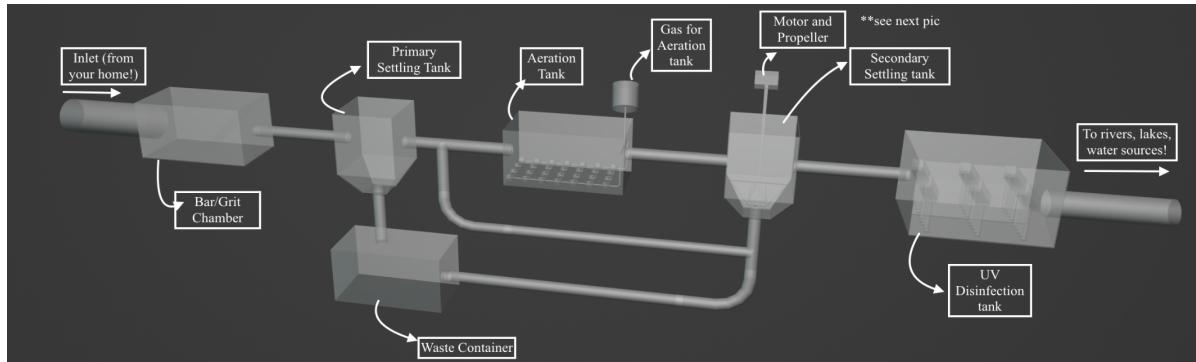
And: <https://nepis.epa.gov/Adobe/PDF/P100LXYJ.pdf> for a smaller sized version of a water treatment model, which has full calculations. Is what I used to fist size and model the Water Treatment Plant system above. Abandoned towards the end, as the filtration columns were 6ft tall (meanwhile the coagulation tank was like 4 inches wide).

Model Water treatment plant with DWG drawings:

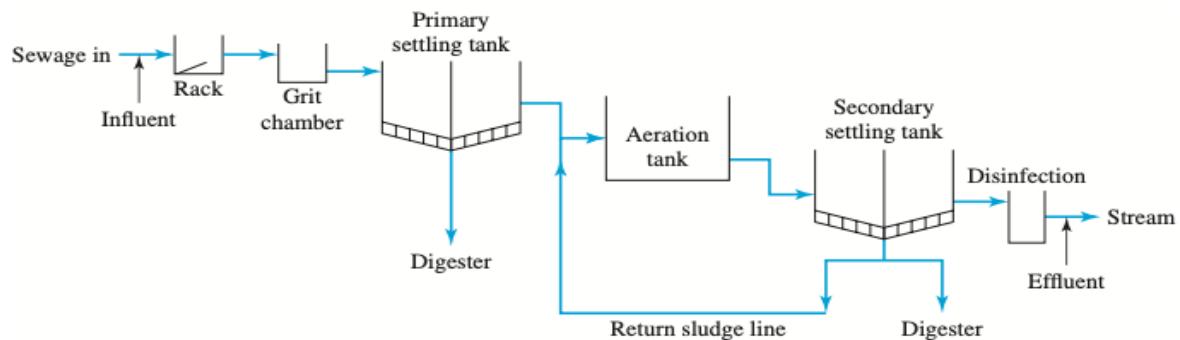
<https://www.cityofmadison.com/business/pw/contracts/documents/7500%20plans.pdf>

Wastewater Treatment Plant:

schematic:



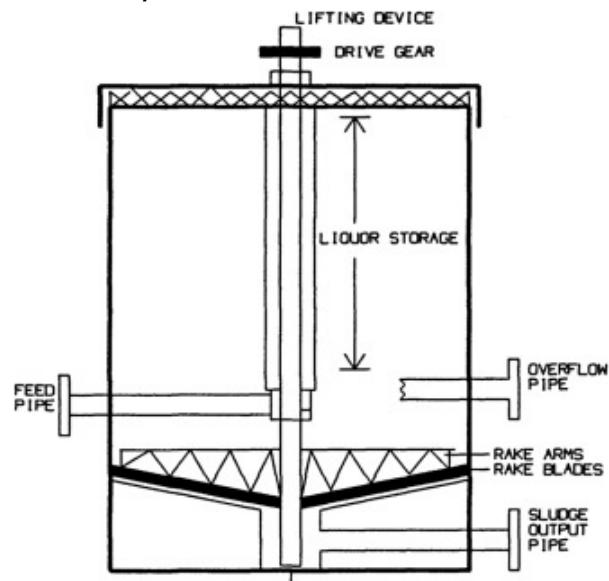
From [Textbook](#):



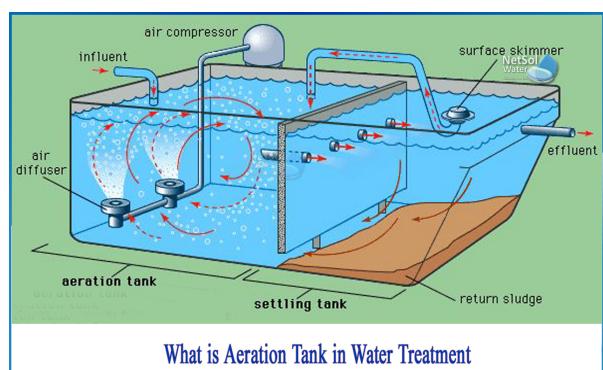
Online:

[Flow sheet of Sewage Treatment Plant/Flow Diagram of Wastewater Treatment Plant](#)

Secondary Clarifier:



Aeration tank:



What is Aeration Tank in Water Treatment

