

clv38

Caspar's Individual Contribution Page

Fall 2009 Contributions

I have been working on editing and adding to the Materials List in the AguaClara Design Team. I have been making changes to the Materials List to accommodate the requests of the engineers in Honduras. Their feedback can be found here:

<http://docs.google.com/Doc?docid=0AfV6wpES3UAuZGQ1dmg1Nm5fN2hrbjRxODZy&hl=en>

I have added equations for the area of the walls, area of the floor, volume of the walls, and volume of the floor of each the following parts of the plant: the entrance tank, the sedimentation tank, the flocculation tank, and the inlet and exit channels. I have been working closely with Josh, and we have noticed several inconsistencies in existing equations, so we are in the process of correcting these. All of my work, including annotations, is uploaded to SourceForge on the Materials List MathCAD document. Further explanations of the equations I added or modified can be found on the Design Team Materials List Wiki:

<https://confluence.cornell.edu/display/AGUACLARA/Materials+List+Design+Program>