

mak336

Spring 2012

During the Spring of 2012, I joined the Public Relations team to work on promotional materials and outreach for the team. During this semester, we created several informational cards for the Washington, DC symposium as well as organized group activities.

Fall 2012

During the Fall of 2012, I returned to AguaClara with the Public Relations team. The team focused heavily on presentations to students and student run organizations on campus. There was a larger push for campus involvement, team building activities and we outline, drafted and created the first informational sponsorship packet for the team. The Sponsorship Packet was designed as a resource for potential students and donors, to convey what AguaClara does, who we are and what we are working for.

Over the winter break, I traveled with the AguaClara engineering team to Honduras exploring current water sanitation technologies. On this trip, I learned an incredible amount of how AguaClara plants work, updates needed, the sociological impact and difficulties of implementation and also was able to learn a lot about the Honduran culture. It was an amazing trip to say the least!

Spring 2013

During the Spring of 2013, I returned to the AguaClara as a member of the Foam Filtration Team. The primary goal is to design and fabricate a new foam filtration system as the current prototype was sent to Honduras over the Winter Break 2012 trip. The areas we are researching including new heights and dimensions for an entrance tank to allow for the weight in order to implement a linear dosing system for the filter, new fabrication techniques with a heavy focus on documentation. The team also successfully built a PVC-based stand for the filtration system which is easily assembled, with parts available in-country. At the end of the semester, the newly designed foam filtration system was functional with minor leaks. No joints have been permanently sealed as of yet, to ensure next semester's team the freedom to change pieces on a need-bases (hence the minor leaks). The stand successfully holds the filtration system as well as entrance tank. The ability to attach a chemical doser exists, however it has not been attached as of May 2013. New foam filters have been prepared, as well as documentation and ordering sheets with listed order number and prices, for the next foam filtration team.