University of of Rochester Chapater
of Engineers Without Borders
Newsletter - *Issue 1*

About Us

The University of Rochester Chapter of Engineers Without Borders is a student-run non-profit organization dedicated to bettering the global community through providing sustainable solutions to developing and disadvantaged areas, while raising awareness in the process.

Our current project aims to improve sanitation at the Santa Maria Josefa Rossello Escuela Taller by providing filtered, running water to the school's facilities. The school has fluctuating unstable power sources and the water was found to have coliform bacteria in it. The school has two non-potable wells, so water needs to be purchased which can be expensive long term.

The Santa Maria Josefa Rossello Escuela Taller is a public school in the rural town of Don Juan which is located in the Monte Plata Province. The primary school educates over 400 students from preschool to eighth grade and employs 20 faculty and staff members.

Post-Assessment

Last January, our chapter members Eva Hansen, Vivian Li, Luke Dengler and Bennett Nidenberg along with our professional mentor, Gary Moore, visited Don Juan in the Dominican Republic for our second assessment trip.

Water tests were conducted and the results showed a presence of coliform bacteria, which cannot be filtered out mechanically. Additionally, an analysis of the school's pre-existing water system was performed to help in our design process.

The Santa Maria Josefa Rosello Escuela Taller School in Don Juan is planning to expand their school size from 400 to 500 students, thus, their lack of a sustainable water filtration system poses a challenge for the school insofar as fulfilling their need for drinking water.

Overall, this assessment trip helped us gain insights, gather valuable

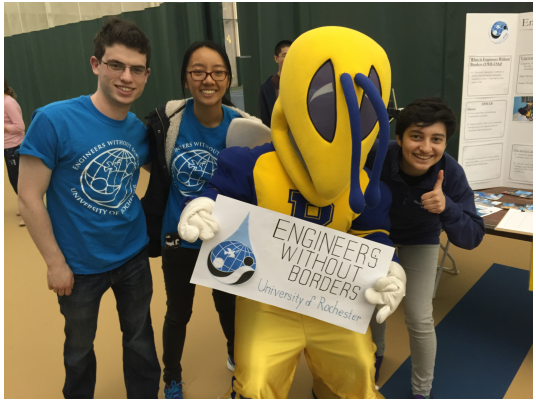
What's Next

We are currently working on developing three alternative designs along with an analysis of the pros and cons of each to be submitted by the end of this semester to EWB national headquarters. In January of 2017, another team will visit Don Juan to commence implementation of the project using local materials and labor to help support the local economy there. Through the design of a water treatment distribution system and standard filtration strategies, we can provide the school with potable water.

Our current USEED Campaign

We have estimated that our implementation trip will cost $15,000 to $18,000. With that said, we need your help! On March 28th, we launched our USEED crowdfunding campaign. Our goal is to raise $4,500 by the time our campaign ends on April 27th. Help us provide a

information for our next steps, and strengthen community relations.



community with a solution that they need and want by visiting and sharing this link. Thank you for all of your support.

Together, we can make a difference.