



Engineers



Without Borders

a non-profit, humanitarian organization of dedicated and enthusiastic students and professionals who share a vision of a world where everyone has access to adequate sanitation, safe drinking water, and resources to meet their basic needs.

A Quarterly Newsletter

Issue No. 1 - Oct. 2011

A word from the president -

The University of Delaware chapter of Engineers Without Borders is proud to present its first quarterly newsletter ever to be put into production. This electronic newsletter will serve as a link between the many facets of our organization in an effort to keep the students, alumni, engineering faculty and cherished donors up to date in an environmentally friendly way. Nothing could be accomplished without each and every one of your contributions, whether through donation, design, or sheer determination. Together we can make a positive difference in this world for those who need it most.



- Julianne Page, EWB-UD President

A word from Dhara Amin -

What is your position in EWB-UD?

Project Manager for the Guatemala Bridge Project

Where does your team's project take place?

San Jose Petacalapa, Guatemala

How would you sum up your project in 3 sentences or less?

Our project is about improving the quality of living for the community of San Jose Petacalapa by stimulating economic growth. To do this, we will be implementing a bridge that will

allow the people of the community to easily access their crops, which are across a river.

Why will your project make a difference?

During the rainy season, the river floods and the people are unable to reach their crops. Because the crops are unable to be harvested for an entire season, it results in economic instability in the community. Building this bridge will increase crop yields and will therefore increase the quality of living for the people of San Jose Petacalapa. The community really wants this bridge because they know

the advantages it will provide them. The difference we're making is already evident even without the actual bridge in place yet; it is seen in the eyes of the community members.

Calendar of Events

- * Oct. 22 & 29, Blue and Gold Days, volunteer & visit with EWB
- * Nov. 6, White Clay Creek State Park cleanup day, volunteer opportunity
- * Nov. 13, 5k at White Clay Creek State Park, [additional details](#)
- * Nov. 18 - 20, Northeast Regional Workshop at Columbia University, pre-registration required

2011 - 2012 Executive Board

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A word from Amy Bucha -

What is your position in EWB-UD?

I am the project manager for the Cameroon water project.

Where does your team's project take place?

The project takes place in the villages of Bakang and Balatsit. Bakang and Balatsit are located in the region of Bamendjou, Cameroon.

How would you sum up your project in 3 sentences or less?

The water distribution system will transport clean water throughout the villages of Bakang and Balatsit. The system starts at three sources, each a borehole well 50 meters deep. From these wells, water is pumped up to the top of the hill dividing the villages of Bakang and Balatsit, and is distributed through the communities using a gravity fed system.

Why will your project make a difference?

When we first traveled to the community, we found that their main source of water was a local "cow pond." Throughout the trips, I've seen members of the community clean their clothes, themselves, and even their motorcycles in this pond. The community members were contracting countless water-borne illnesses by drinking from this contaminated source. As a result of our work, cases of diseases such as Ascaris parasitosis (giant intestinal roundworms) and Amoebic dysentery (inflammatory disorder of the intestine that results in diarrhea with fever and abdominal pain) have drastically decreased in number. (See image below for the hospital report.)

Illness/parasitism	From January to June 2007	from January to June 2010
Ascaris parasitosis	46	8
Hookworm parasitosis	00	00
Amoebic dysentery	50	14
Typhoid fever	3	3
Dermatosis	16	11
Gastroenteritis	12	14

Want to get involved?

Connect: <http://udel.edu/stu-org/ewb/index.html>

Contact: ewb.udel@gmail.com

Donate: <http://udel.edu/stu-org/ewb/donations/index.html>

Volunteer: Come work with us - we're in Gore 219 every Thursday night at 7

Discover More: <http://www.ewb-usa.org/>