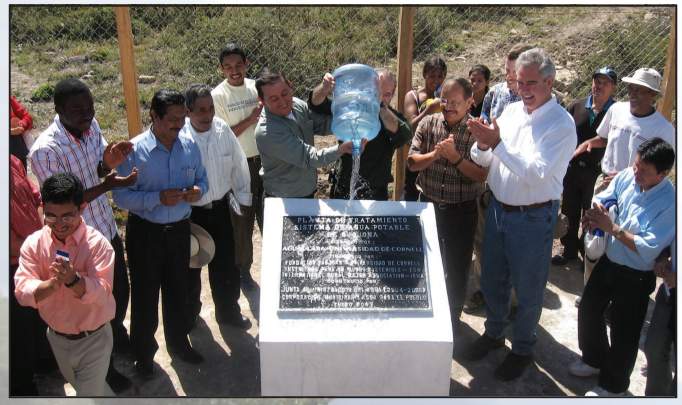
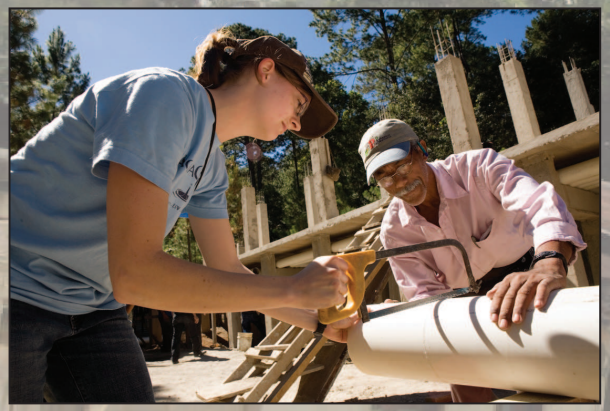
AguaClara

Cornell University
School of Civil and Environmental Engineering

What is AguaClara?

AguaClara is improving drinking water quality through innovative research, knowledge transfer, and open source engineering of sustainable water treatment systems. Our work culminates in designs for municipal water treatment plants for rural Honduran communities, which are then constructed and operated by local partners.





Fact: 1 Billion People Do Not Have Access to Safe Drinking Water.

Our Research

Current laboratory research focuses on investigating the mechanisms of floc formation and sedimentation. A team-designed pilot plant and laboratory-scale flocculator, as well as computational fluid dynamics software, are all being used to develop a better understanding of fundamental water treatment processes.

(INSERT PIC HERE)

Open Source Engineering

AguaClara research and design work is freely viewable to the public. The team is currently building a web-based program that will allow engineers to access our tools for designing their own local plants from locations anywhere in the world.

(INSERT CAD DRAWING HERE)

Affordability

A family of 6 would pay more to have 2 liters of water per person per day with point-of-use systems than they would for 150 L per person when serviced by an AguaClara plant. Plant construction and local capacity-building cost approximately $20 per person served, and monthly system cost is approximately $1 per family.

aguaclara.cee.cornell.edu

For more information, please contact the AguaClara Project Coordinator, Monroe Weber-Shirk, at mw24@cornell.edu or (607) 255-8445