

WEFTA Trip Report – Honduras

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Yamaranguila

- Project Summary:
 - Population:
 - New water supply project consisting of 50,000 gallon storage tank/ chlorine contact chamber, new chlorination unit (on top of tank), new well and pump house, new PVC transmission line from well to tank.
 - Project also includes improvements to existing electronics at pump house for old well (Well #1) to protect the motor from power supply problems.
- Funded by: American Chemistry Council and local community, with technical support from World Vision and WEFTA. See funding summary table.
- Project status:
 - Tank partially completed, currently under construction.
 - Chlorinator not started yet, will be built after roof of tank is complete.
 - Well drilling completed.
 - Well pump not installed yet; currently on order from local supplier
 - Pump house partially completed, currently under construction.
 - Transmission line not started yet.
- Community feedback:
 - All community members have paid toward their cost-share for the new project.
 - All families will (or have already) contributed five (5) days of manual labor to construct the project.
 - Water Board has conducted small house meeting in each neighborhood to involve the public and build consensus for the new project and cost-share requirements.
 - Residents told stories of children getting sick before the water project was completed. Now that water is chlorinated, kids don't do better in school because they don't miss as many school days being sick.



El Maneadero

- Project Summary:
 - Population: 2,000
 - New water supply project consists of two spring sources, PVC transmission line, iron removal treatment unit, chlorine disinfection unit, and 10,000 gallon tank.
- Funded by: Local community, WEFTA
- Project status: Complete. Water shortages have now been alleviated.
- Community feedback:
 - Various community members reported water-borne illnesses in the recent past (prior to starting initial phases of work in the community). This public health problem has now been greatly reduced.



Belen, Manazapa

- Project Summary:
 - Population: 432 people
 - New community water system consisting of spring source, PVC transmission line, 10,000 gallon storage tank, chlorine disinfection unit, PVC distribution network, and connections for 72 homes.
- Funded by: American Chemistry Council, Vinyl Institute, local community, and USDA
- Project Status:
 - Complete. Families are now enjoying the fresh drinking water.
- Community Feedback:
 - This community had no water system at all before the project, so an entire new system was needed.

La Rinconada de Belen, Manazapa

- Project Summary:
 - Population: 144 people
 - New community water system, consisting of spring source, PVC transmission line, 2,000 gallon storage tank, chlorine disinfection unit (located near spring), PVC distribution network, connection for 24 homes
- Funded by: American Chemistry Council, local community, USAID, WEFTA
- Project Status:
 - In design. Completed survey work and community outreach.
 - Update 2016 – Completed and all families drinking water
- Community Feedback:
 - Some families initially skeptical. They did not want to participate because they did not believe they would ever get water. But community leaders (Jairo)

convinced them that the project would work and the water would reach them. In the end, everyone lent a hand.

- Community considering follow-on project for 2017 or 2018 to build bathrooms with *pila* (sink), shower, and toilet. The individual families will need a year or two to save money for this.



Los Encinos, Manazapa, Rio Grande, Planes de Rio Grande Regional Project

- Project Summary:
 - Population: 1920 people, distributed between 4 neighboring villages
 - New water supply project consists of spring catchment and PVC transmission line, connecting to existing tanks and distribution networks in each village.
- Funded by: USAID, design by WEFTA

- Project Status:
 - Complete
 - River crossing problem, where steel pipe fell off its concrete pillars. WEFTA and community will fix this in late 2016.
- Community Feedback:
 - Project alleviates severe water shortages in each village.
 - They want to do follow-on projects for distribution system improvements in each village.



Cofradia

- Project Summary:
 - Population: 390
 - Source water protection project consists of building super-structures around 2 spring-fed pools that feed community water supply. These are necessary to protect source water quality from natural and man-made contaminants.
- Funded by: Local community and WEFTA
- Project Status: Complete
- Community Feedback:
 - Community is content with water quality. They have had no problems since project completed.



Las Aradas

- Project Summary:
 - Population: 90 people
 - Community-wide bathroom project, consisting of sinks, toilets, and showers for 15 families
- Funded by: Local community, WEFTA
- Project Status: Complete
- Community Feedback:
 - Each family personalized their bathroom installation with decorative details, paint, etc. to make them feel like home.
 - One 8-yr-old girl explained that she loves her new bathroom because now she can bathe in privacy. And, of course, she helps her parents keep it clean.



Monquecagua

- Project Summary:
 - Population: 2300 people
 - Phase 1: Spring source and PVC water supply transmission line
 - Phase 2: 40,000 gallon tank and chlorine disinfection unit
 - Phase 3: PVC distribution network with ~400 connections
- Funded by: Vinyl Institute, Baptist Church mission, World Geologists, local community, WEFTA
- Project Status:
 - Phase 1: Complete (2015)
 - Phase 2: Complete (2016)
 - Phase 3: Under construction (2016)
- Community Feedback:

- In Andrew's opinion, this is one of the most motivated communities he has ever worked with. Residents work extremely constructing this project to improve their community and the lives of their children.



Llano Largo, Quioco, and Guadalupe Regional Project

- Project Summary:
 - Population: 1,200 people, distributed among 3 villages
 - Phase 1: Surface water diversion at creek, 10-mile PVC transmission line, pump station, 2,000 forebay tank
 - Phase 2: Storage tank, chlorine distribution unit, and PVC distribution network in Llano Largo

- Phase 3: Storage tank, chlorine distribution unit, and PVC distribution network in Guadalupe
 - Phase 4: Storage tank, chlorine distribution unit, and PVC distribution network in Quioco
- Funded by: American Chemistry Council, Honduran government, Catholic Church, local community
- Project Status:
 - Planning (2015)
 - Design (2016)
 - Construction of Phase 1 (2017)
- Community Feedback:
 - Among most extreme water needs in Honduras. Llano Largo residents have no water supply at all. They currently either pull water from *charcos* (shallow, muddy holes in the ground) or walk 2 hours to carry water by hand from the river in 5-gallon buckets. The village is on top of a small mountain, so the walk back up from the river with a 40 lb bucket of water is physically difficult.