



DATE: 19 December 2007
TO: Dana Ledyard, Global Giving
FROM: Hugh Tozer, Konbit Sante
RE: Update on Water Project in Cap Haitien, Haiti

In June and November 2007, Konbit Sante volunteers, hospital staff, and local workers completed two important improvements to the water system at the Justinian Hospital (JUH). The attached pages describe these efforts, made possible by the generosity of donors to Global Giving.

A master plan for the water system was developed by Dr. Coqs (Director of JUH), an engineer from the Ministry of Health, and volunteers with Konbit Sante. Fundraising efforts with Rotary International and donations from Global Giving and private donors will support continued efforts to bring an adequate and safe water supply to JUH.

Phase 1: Increase the capacity of the existing well and reduce contamination

- Replace water main through medical waste pile (completed June 2007)
- Convert 1-phase power to 3-phase (partially completed November 2007)
- Replace existing water pump and automate controls
- Provide backup power supply

Phase 2: Construct a new well

- Construct well and install pump (possibly solar)
- Construct secure well house
- Provide backup power supply
- Route water main to water tower
- Replace essential sections of distribution system back to the water tower.

Phase 3: Distribution System Improvements

- Pipe water directly to building plumbing, using in-ground tanks as backup
- Eliminate rooftop tanks
- Install hands-free, spring-loaded plumbing fixtures
- Replace rest of the distribution system to eliminate leaks
- Evaluate disinfection options

Phase 4: Improve Sanitation

- Construct composting toilets

Phase 5: Mountain Reservoir

- Coordinate with national water company and Projet EAuCap to get some of the water supply from a proposed mountain reservoir for JUH