BRANCH-ing Out to Save the Children of Sierrecita
Owen Carlstrom (ME), Jonathan Coelho (BME), Alex Lopes (BME), Colleen O’Malley (ME), Emily Stead (BME), Ilaria Wernick (BB)
Advisors: Professor Jill Rulfs & Professor Helen Vassallo

Need: Reduce the number of children that die from waterborne parasites and bacteria

Approach: Use a double filtration system to rid the water of bacteria and parasites that cause death

Evidence
A sample of 128 people
99.2% positive for waterborne parasites

Total Cost
Biosand filter (BSF) ($26)
Ring clamps
PVC tubing

Materials

Biosand filter (BSF)
Pine tree branch
Ring clamps
PVC tubing

Methods

Evidence

Culture

Education

Sierrecita, DR

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