2014

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Recommended Citation

Casella, Andrew; Eldredge, Elijah; and LaRoche, Margaret, "Haitian Filtration" (2014). *Great Problems Seminar Posters*. Book 127.  
http://digitalcommons.wpi.edu/gps-posters/127

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Haitian Filtration
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Abstract
The goal of our project is to reduce the number of Cholera cases in the Artibonite Valley in Haiti. The goal will be achieved through the implementation and education of simple water filtration methods. This results in the Haitian community learning through peer influence how to construct an effective water filtration system. In using the water filtration system, the amount of cholera cases was reduced by 85% and the awareness of the effects of the Cholera disease was greatly increased.

Methods/Process
• Travel from house to house, educate on the spread of Cholera and symptoms.
• Educate Haitian people on easily made water filtration systems.
• Most effective when made out of sand, gravel, charcoal, and heavily available t-shirts.
• Impurities pass through several filter layers, rids water of both biological and material contaminants.
• Biggest problem: discovering the resources of an average Haitian person has on a daily basis.
• Coordinating with the Haiti Advocacy Working Group (HAWG), providing our project with necessary authority.

Background
• Since 2010 earthquake, 8,361 cholera deaths.
• Cholera is water borne, a major epidemic, due to lack of clean water.
• Fabric can be used to filter biomaterials, including the Cholera strand.

Project Goals/Objectives
• Reduce the number of cholera cases in the Artibonite Valley in Haiti.
• Increase Haitians access to clean water.
• Education on how to effectively utilize the water filters that we have designed.
• Educate the Haitians on the effects of Cholera.

Conclusions/Recommendations
• Completed successfully, the incidence rate of Cholera infections diminished to 85%.
• Teaming up with HAWG, our team achieved influence, worked directly with people of the Artibonite Valley.
• In working together, Haitian people are enabled to replicate results, creating a self-sustaining community.

Acknowledgments
• We would like to acknowledge:
  ▪ Claire Martindale
  ▪ Prof. Jill Rulfs
  ▪ Thomas Hohenstein
  ▪ The WPI Biology Laboratories

References