**The College of New Jersey**

**Civil Engineering Department**

**Thailand Water Supply System Senior Project**

Meeting 11: Minutes

Date: Tuesday, January 24, 2012 1:00 PM

Attendance: Dr. Horst, Advisor

Ian Burton, Project Manager

Jayme Lynch

Amanda Feeley

Summary:

At this meeting, the group recapped the work that needed to be done based on the work completed during Senior Project I. Amanda had contacted Warm Heart Requesting a layout of the village but had no response. Ian had just emailed requesting information on the tanks. If no response is received soon, another email will be sent again requesting a layout, information on tanks and information on pipes. The team needs to plan a more detailed budget based on Thailand prices.

Ian’s remaining design requires finalizing the piping size that will work the best. Some research may need to be done to determine adequate pressure capacities. Also the tanks will have to be finalized whether the dimensions taken in Thailand are the only tanks available or if larger tanks can be purchased to minimize the number required.

Amanda will design a system based on the elevation information from the other designs. It was determined that most of the variables used for her design will be assumed such as number of houses (outlets) and elevation changes. Dr. Horst suggested a program she could use called Water CAD that would assist in the layout.

Jayme will finalize the pump and turbine system again with some assumptions based on our experiences in the area. She started calculations at the end of the semester and will continue them to determine an adequate turbine and a respective pump.

All technical information will be completed by Spring Break so the poster for the conference can be completed and the presentation will be put together in April. The group will work on their respective parts for next week and present the findings or questions to Dr. Horst.