**The College of New Jersey**

**Civil Engineering Department**

**Thailand Water Supply System Senior Project**

Meeting 15: Minutes

Date: Tuesday, February 21, 2012 1:30 PM

Attendance: Dr. Horst, Advisor

Ian Burton, Project Manager

Jayme Lynch

Amanda Feeley

Summary:

The group met with Dr. Horst to discuss the remainder of the project. Ian has been attempting to correspond with Warm Heart to gather information on prices of the material for the implementation of the project. He also submitted the forms to receive approval and funding for the poster competition.

Amanda reviewed and completed the calculations with the correcting Dr. Horst made from the last meeting. The error was in the factor of safety added for the minor losses. The WaterCAD was successfully installed onto a computer so Amanda will use the system to layout her distribution system and may as well do the entire system with the ability to add pumps in the program.

Jayme was able to find some information on both Turbines and Pumps but was unable to fully interpret the charts provided. The fluid calculations were performed but it needs to be determined how much energy can be created by the water fall and how much energy the pump needs to move the water to the tanks. She will ask other professor to clarify the specifications and may call manufacturers to find appropriate turbine/pump combination for the system.

The group will bring conclude the three designs and provide Dr. Horst with any final questions next week so after the break, the poster can be completed and ready for the competition.