**The College of New Jersey**

**Civil Engineering Department**

**Thailand Water Supply System Senior Project**

Meeting 16: Minutes

Date: Wednesday, February 29, 2012 11:00 AM

Attendance: Dr. Horst, Advisor

Ian Burton, Project Manager

Jayme Lynch

Amanda Feeley

Summary:

This meeting was the conclusion of the technical questions. Jayme finalized the pump and turbine selection for the project. She found the pump that could perform the project in a specified time and determined the energy required for that the pump. Then she chose a turbine that could supply the power based on the flow and change of elevation of the waterfall. Since the cost for those two materials is significant, that design option will not be implemented.

Amanda concluded her WaterCAD program and presented the results to Dr. Horst to confirm that the program worked correctly. After stating the entered changes of elevation between each point, he determined that the various pressure values were correct and that no hand calculations were needed for confirmation of the program.

Ian again stated that WarmHeart has not replied with the pricing of the materials but since time is running out, emails will be sent more regularly to obtain prices. Once the prices are obtained, all design aspects of the project will be finished including budgets so the report as well as the poster can be completed.

Since the AWWA conference is March 21st, the poster will be completed and printed by the March 16th along with the application of the TCNJ Student achievement celebration.