**The College of New Jersey**

**Civil Engineering Department**

**Thailand Water Supply System Senior Project**

Meeting 3

Date: Wednesday, September 14, 2011, 10:00 AM

Attendance: Dr. Horst, Advisor

Ian Burton, Project Manager

Jayme Lynch

Amanda Feeley

Summary:

The meeting began with a review of the Proposal Presentation. Professor Nolfo asked a question concerning the water purification for the project. Horst confirmed our answer given, that the water being supplied is for irrigation and other purposes that do not require drinking and purification. Then the calculations performed by the group were reviewed. The initial calculation was of the time needed to fill the desired volume with the given head difference. Since the time was 1.3 days, the calculation was done backwards to find the required head to fill the tanks in 2 hours. A mistake was made in the calculation but Dr. Horst was able to point out our mistake and so the calculation could be redone. A weir equation and critical flow calculation can be performed to determine the flow capacity in the stream and related to the cross section of the stream. The Auto-CAD drawing will be completed when the labs have the program. The website was created but Dr. Krstic had to review the guidelines in Senior Project I to place on the TCNJ Engineering Website. The project title has been changed to Thailand Water Supply System. During the next meeting, the correct calculations and cross section data will be reviewed.