**The College of New Jersey**

**Civil Engineering Department**

**Thailand Water Supply System Senior Project**

Meeting 13: Minutes

Date: Tuesday, February 7, 2012 1:00 PM

Attendance: Dr. Horst, Advisor

Ian Burton, Project Manager

Jayme Lynch

Amanda Feeley

Summary:

First, Ian discussed the calculations he made for the PVC specifications. He found the pressure that would be in the lowest point of the pipes to be 269,500 N/m2 or 39.08 psi. This was compared to the standards of PVC researched. It is well in the acceptable pressure of schedule 40 and schedule 80 PVC but Dr. Horst was not sure Thailand would have such high grades. Warm Heart will again be contacted to gather more information on supplies available in the area.

Amanda tried to open Water CAD with the flies from the previous project and on various Armstrong computers but had no luck. Dr. Horst researched the product quickly and determined that if a version of the program could not be found, he would request to purchase the product. This would be the Engineering Tool for the project. Once the program is obtained, Amanda will assume a system based on her observations and determine the needs of a piping system.

Jayme has continued her search for turbines and pumps with no success on gather more information. She emailed a company requesting information based on our project but she has not received a response. For next week she will call up the companies she has researched to gather more information.