**Water Flow Tests**

The RDDS1 issues have been pulled out of this meeting and remanded to an 8:00 AM meeting run by Gordon Bowden and Juwen.

Actual water flow and pressure drop data was taken in the NLCTA by Keith Jobe and Carl Rago. Nancy is cleaning up the data and will publish it shortly. It appears to indicate that a pressure drop of only 7 psi is required to produce the 1.8 gpm flow down each of the four cooling tubes along the structure in the NLCTA. The film delta T's in the water calculated by Nancy and Gordon will also need to be redone.

Nancy will also publish data taken by Chris Adolphsen on the temperature of the copper cells in the NLCTA under different conditions.

Nancy will work with Mike Neubauer in passing the above flow information to Conventional Facilities. There are two objectives here - the first to replace the data used for the Lehman NLC model (CD-1 model), and the second to develop a cooling system cost model that will allow us to reach an optimum balance between requirements and costs.

Nancy will also collect and publish data on the variation in the power absorbed in the copper cells in the NLC during all possible operating situations. The impact on phase of the RF in the accelerator cells resulting from temperature changes needs to be addressed also.

*Minutes by John Cornuelle*