

Minutes of the IPT Meeting of May 13, 2003:

Attendees:

G. Pitonak - DOE-PAO

G. Nardella, C. Finfgeld

R. Hawryluk, H. Neilson, R. Strykowski, J. Levine, W. Reiersen, R. Simmons - PPPL

J. Lyon - ORNL

1. OFES News - Greg and Gene

a. Summarized results of the May 12th teleconference in which the Project briefed OFES staff on the reasons for the recommended delay in the NCSX PDR to the September time frame. Greg indicated that, based on these discussions, he forwarded a letter to the Project agreeing to the delay. Cost creep is still a major concern and the Project needs to address this issue aggressively. The Project agreed to provide a firm schedule for the PDR and follow-on Performance Baseline Review by Wednesday, May 21st.

Action: H. Neilson

b. In keeping with the spirit of yesterday's teleconference, all agreed that both informal and formal communications are needed to ensure that all parties are on board with key issues and decisions.

c. Gene will send a copy of his internal DOE memo describing the evolution of the Project and its cost history to Hutch who will then distribute it to the appropriate PPPL and ORNL personnel. Action: G. Nardella and H. Neilson

2. Project Status Update - Hutch and Wayne

a. The modular coils CAD modeling continues to be a challenge although work is progressing satisfactorily and nearing completion (completed May 13th).

The project is meeting with the two suppliers to discuss the latest developments and design status. The intention is provide the suppliers with the "design we intend to build." The supplier cost estimates for the modular coils winding forms are expected May 23rd.

b. The vacuum vessel geometry questions have been satisfactorily resolved. Although the suppliers only recently come onboard, they are proceeding and expect to have the cost estimates by June 6th.

c. Keystoning is an issue due to NCSX's tight tolerances. The keystoning test fixture has been fabricated and the first set of 4 conductor wire wound. The keystoning was quite severe and the Project made the decision to return to the single conductor. We are ordering more single conductor wire and will continue the tests.

d. The Project is completing the design and will soon start the procurement for the winding fixture and the autoclave. The lab has provided additional M&S spending authorization to ensure that this work proceeds in a timely

manner.

- e. The Project has been actively testing the legacy equipment and the results of this testing has been very encouraging with no surprises to date. The testing of the legacy vacuum pumping equipment is essentially completed and was satisfactory. Tests of the neutral beam boxes and power supplies were also successful. More testing of the neutral beam equipment continues. No new cost issues have resulted from the legacy equipment testing to date.
- f. The GRD is currently in the final signature cycle with all the previous comments and peer review comments resolved. When approved, this document will document the existing technical baseline and will be under configuration control. The Project intends to provide the GRD to the PAC for their information and comment. Any future changes will be made under the CM program.
- g. A draft of Revision 1 to the PEP was issued for OFES/PAO/Project review today. This version is consistent with the OMB-300 recently submitted, but does not yet reflect the updated cost and schedule baselines that will not be finalized until later this summer. It was noted that the new PM Manual Chapter 10 has a discussion on Objectives vs. Thresholds and the Project will have to factor this into Revision 1 of the PEP. The intent is to obtain OFES/PAO/Project comments in mid-June, revise the manual accordingly, and then put it out for a wider review (Lehman, OECM). Anne Davies will not sign the PEP until CD-2.
- h. Wayne covered his recent presentation on the process for updating the PDR schedule. A copy is attached.
- i. Hutch covered his spreadsheet for preparing for the Performance Baseline Review. A copy is attached.

3. The next IPT meeting will be Tuesday, June 3rd at 11:00 am. Personnel at PPPL will meet in the DOE Conference Room.