

Minutes of the IPT Meeting of Dec 9, 2003

Attendees:

DOE-PAO	G. Pitonak
DOE HQ	G. Nardella, K. Chao
ORNL	J. Lyon
PPPL	H. Neilson, R. Templon, W. Reiersen, J. Levine, R. Hawryluk, J. Malsbury, R. Strykowski

1. DOE update - Greg and Gene

E&W bill has been signed by the President. CR is over. There do not appear to be any impacts to the project from the CR. No word yet on FY05 budget for NCSX. 3 different scenarios under development, including a "flat budget" scenario capped at \$16M per year. All recommendations from recent review committee meetings are being addressed in the new cost scenarios. Note that following this meeting a briefing was held with Dr. Decker in SC. The issue of project completion (CD4) definition was again raised and may impact the above cost exercise. Note

2. Results/Impacts from PDR, Lehman, & EIR reviews - Hutch

The project continues to evaluate cost/schedule impacts from the reviews. Major items being addressed include adding 2nd MC winding station, cryo testing all coils, 350C bakeout of VV and it's thermal cycling implications.

3. Planning for and CD2 review – All

The IPT will now shift focus to preparing for CD2. Drafts of both the EIR report and Lehman report have now been received. Factual accuracy reviews should be completed this week. Zarnstorff white paper regarding project completion and early operation is near completion. Most of the required CD2 deliverables are already available. * * * Most important at this time is that the project get clear guidance on future funding plans from HQ so CD2 baselines can be prepared. * * * Still needed are the final PEP with team signatures, EIR final report and disposition plan, Lehman review final report and disposition plan, and CD2 signature memorandum. Also, Rich asked the project to prepare an integrated schedule for the upcoming sequence of FDR's, Lehman review, and CD3A/CD3. This should include all necessary procurement interactions with MCWF and VV vendors.

4. NSTX/NCSX Interface Issues (Hutch)

The project has brought Al VonHalle on board to deal with potential interface issues on shared equipment between NSTX & NCSX.

5. Technical progress (Hutch)

There has been good progress on the technical front in the areas of MCWF CAD modeling, VV geometry and clearance issues, 350C bakeout analysis, and conductor testing.

The project has now issued a CAD model for the prototype MCWF that the suppliers are able to work with successfully. The project is in the process of verifying that all three coil types and the complete assembly can be successfully modeled.

Analysis of the plasma-to-vacuum vessel clearance issues shows that adequate clearance can be provided within the constraints of the current segmentation and joint design. Analysis of 350C vacuum vessel bakeout issues indicates that the vessel can be heated to 350C with mechanically attached tubes on the body and electrical strip heaters on the port ducts. Thermal expansion interferences are minor at most. The suppliers have been asked to estimate the cost of high-temperature stress relieving.

Additional conductor testing is being planned, as recommended by the PDR committee.

6. Management Reserve Planning (Hutch/Greg)

The project has prepared a proposal for partial Management Reserve disbursements and acceleration of work. Since the large procurement subcontracts will not be awarded until late in the fiscal year, it is felt that available funds should be put to immediate use to advance work in the cryostat & base design, field period assembly tooling design & prototype, and power systems design. The IPT has agreed with this approach. The project will execute an ECP to document the decision.

7. Project performance (Ron)

Statusing is underway this week and November cost performance will be available and posted on the website next week. Formal EVMS reporting in PARS will begin with the CD2 approval and will be regularly updated on a monthly basis for the duration of the project.

8. The next IPT meeting will be Tues January 6, 2004 at 2PM, as it looks like this is OK for most of us. Personnel at PPPL will meet in the DOE conference room.

Call-in number for 1/6/04 is 301-903-6011.

Thanks for your participation and Happy Holidays to all,
Greg