

Minutes of the IPT Meeting of Mar 2, 2004

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Attendees:

DOE-PAO□□□G. Pitonak□

DOE HQ□□□□G. Nardella, C. Finfgeld, S. Barish, K. Chao

ORNL□□□□□. Lyon

PPPL□□□□□H. Neilson, W. Reiersen, J. Levine, J. Schmidt, R. Templon, J. Malsbury

1. DOE update -

FY06 budget process in underway - no news yet. ECP-04-004 signed by Anne to establish the Project Performance Baseline.

Fin plan change needed to transfer \$311K to ORNL.

The IPT thanked Chuck Finfgeld (OFES) for his efforts as compact stellarator program manager since 2000, and welcomed Sam Barish to the stellarator program.

2. Safety Management -

Continued safety vigilance is imperative as project activities ramp up and production work begins. Already assembly of large tooling and prototype winding are underway in RESA & TFTR basement.

The project is planning a series of Fabrication Readiness Reviews (FRRs). They will be held as a prerequisite to the start of our major on-site fabrication efforts such as the Twisted Racetrack Coil and the Prototype Modular Coil. The goal of the FRR is to assure that we are ready to start fabrication. As part of the FRR, planned safety controls should be implemented, applying the core functions of ISM.

The following elements should be ready for review at the FRR:

- NEPA reviews are complete.
- Detailed procedures for conducting the work are in place.□These include MIT/QA plans (and associated procedures and travelers), installation procedures, and safety procedures.
- Job Hazard Analyses are completed.
- Plans for pre- and post-job briefings are in place.
- Plans for training, including the use of personal protective equipment, are in place.
- Plans for oversight by ES&H and QA personnel are in place.

A construction safety engineer will be appointed to support the coil fabrication activities.

Contractor safety issues were addressed during the preliminary design review of the support towers for the C-Site to D-Site power cable runs.

3. Planning for CD3 -

The attached checklist is provided as a starting point for CD3 preparations. The project will assess status of these items for the next IPT meeting. It is not intended that lengthy new documents be prepared to cover these items. The project should be able to indicate that these items are covered in other places or that there is a process in place to accomplish them at the appropriate time.

Current plan is for major FDR's May 19-20 and Lehman Review June 8-9. This would allow for CD3 in late July or early August. Review committee charge letters and membership panels are being developed.

4. New Performance Baseline -

ECP 04-004 is approved and establishes the performance baseline. ECP 04-005 is in preparation and makes additional adjustments to various work packages at lower levels. Includes ~\$600K call on contingency. A separate meeting will be convened to review this ECP as well as Management Reserve status and plans for FY04 & FY05.

The project is preparing the monthly BCWS plan as well as a list of important Level 3 indicator milestones through the next 6-9 months.

5. Project performance & PARS issues -

End of Feb statusing will commence this week - EVMS data to be developed.

Performance will be measured against the ECP 04-005 baseline (not yet approved).

PARS EVMS reporting will begin as soon as Feb end of month data is available. The first entry will be an aggregate of data from start of project in April 2003 to the end of Feb. Thereafter, only monthly increments will be entered. Anne will be briefed before data is entered each month.

6. ECP status - covered in Item 4 above.

7. Technical progress -

Excellent progress has been made in recent weeks.□The first full-scale prototype winding form has been cast and de-molded by the EIO team.□It is now in the process of being cleaned.□Project personnel are going out this Thursday to visit the facility and inspect the casting.□The JP Pattern team is expected to cast their prototype winding form in three weeks.

The prototype vacuum vessel segment is nearing completion at Major Tool.□The port is in the process of being aligned and attached.□The overall deviation from nominal was +0.151" / -0.032", which is within allowables.□The Rohwedder team has fabricated pressing dies and begun pressing.

A peer review of the vacuum vessel port configuration was conducted on January 29.□Technical issues and concerns raised at that review have been addressed.□A follow-up review will be conducted later this week or early next week after which the VV port configuration should be finalized.

A trajectory for assembling the modular coils over the vacuum vessel which avoids interferences the whole way has been established.□This allows us to finalize the VV shell and modular coil envelopes and begin the design of the coil handling fixture in earnest.□This is the successful culmination of a long and difficult job.

Plans for the second round of conductor testing to be conducted at PPPL were reviewed last week.□Dick Reed, formerly of NIST, reviewed our plans, including the test specimens and measuring apparatus and provided much helpful input.□He will continue to provide critical review of the test plans and test results for the duration of the testing.□Testing of specimens is scheduled to begin this week.

Risk assessment continues related to the upcoming tight FDR schedule. Unknowns related to tolerances, geometry, materials properties, and test results can all impact this critical path work.

8. OMB300 requirements -

OMB 300 draft has been prepared for HQ review. Will be forwarded to OFES management after comments are incorporated.

9. Additional discussion -

Both PPPL and PAO are attempting to resolve procurement issues related to DCMA inspection services for use in NCSX subcontract work being performed by vendors. This service is needed to inspect and accept vendor produced components prior to shipment to PPPL. The problem seems to be that DCMA is not able to accept direct funding from non-Govt sources. AN MOA has been prepared between DOE & DCMA but has not yet been signed. Follow-up required.

10. Next meeting -

The next IPT meeting will be WEDS March 24, 2004 at 11AM, as it looks like this is OK for most of us.□
Personnel at PPPL will meet in the DOE conference room.

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Call-in number for 3/24/04 is 202-287-1367.

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Thanks for your participation,

Greg