

The minutes from the NCSX IPT meeting of Tuesday, April 8, 2005 at 11AM are as follows:

Attendees: DOE-PSO	G. Pitonak, J. Makiel, L. Stegena, L. Dietrich
DOE HQ	B. Sullivan, S. Barish
ORNL	J. Lyon
PPPL	J. Levine, R. Strykowski, J. Schmidt, J. Malsbury, R. Hawryluk, R. Templon, H. Neilson

1. DOE news (Barry/Sam)

The NCSX re-baseline review meeting continues to be planned for April 25th in Germantown. The review will include two representatives from OECM, approximately 6 representatives from the Office of Science, approximately 8 representatives from PPPL, and 2 representatives from SC-PSO.

2. Safety Management (Jerry)

The NCSX Activity Certification Committee successfully completed their review of the NCSX Coil Test Facility. In addition, PPPL had no OSHA recordable workplace injuries or illnesses for the month of March making it the fourth consecutive month this fiscal year.

3. Plans for project re-baselining (Hutch)

PPPL continues to work on the new project baseline. WBS managers continue to revise their estimates to be presented to OFES on April 25th. DOE/PSO & OFES will be provided advance copies of the material by April 18th for review prior to the April 25th meeting.

4. Project technical progress/critical issues (Hutch)

a) TRC: Completed assembly of the TRC and the associated Joule milestone was met. The TRC is being prepared for epoxy impregnation. Lessons learned from the TRC include:

- The keystone effect of the conduit is less of a problem than thought
- No shims are required. An extra turn of the conduit will be done
- Chill plates and cladding are labor intensive but do-able
- Ground wrapping is tedious but do-able
- Metrology support requirements are better defined
- The revision to the design of small components for the production coils (e.g., clamps, chill plates, etc) will be incorporated
- Additional effort will be required to demonstrate lateral control of the current center locations.

b) MCWF: Lawton completed the upgrades to the pattern several weeks ago from lessons learned during the casting of the C-1 MCWF. MetalTek is now performing their upgrades to the pattern. The next pattern (type A) will incorporate the lessons learned from the C-1 casting.

c) VVSA: Major Tool continues to fabricate the dies. One pattern (of the 10 required for a field period) has been "striked" (i.e., stamped).

d) Many small component parts continue to be designed at Oak Ridge. These are critical to the upcoming MCWF winding activities and will be closely managed by the project.

5. Procurements - status and issues (Rod)

- a) The receipt of the first MCWF (C-1) procurement is anticipated in June
- b) Receipt of the first VVSA field period procurement is anticipated this fall
- c) There was a lot of vendor interest (approx 9) for the procurement of assembly fixtures
- d) The \$431K VVSA supplemental claim by Major Tool and Machine for the re-fabrication of VVSA dies was approved. Justification: The post procurement geometry of the VVSA had changed enough to cause a problem for Major Tool. The cost of the changes would have been reflected in the vendor's proposal had they been clearly identified at that time. The incurred cost will be incorporated into the new baseline
- e) Many smaller procurements regarding fixtures, cladding, chill plates, PF/TF conductor, etc., which are currently in the design phase, will require prompt procurement support when ready. A PPPL procurement official will attend all NCSX monthly meetings to ensure good communication between procurement and the NCSX project.

6. Review of critical issues (Hutch)

The category I and II critical issues were revised by the IPT. As previously mentioned, current center control and completion of MCWF design tasks are most critical at this time.

7. Planning for the next 6 months (Hutch/Ron)

- a) Prepare the re-baseline proposal
- b) Complete the final design review of the VVSA and modular coil components (i.e., cladding, lead blocks, tubing, etc)
- c) Commence winding of the C-1 modular coil in late June;
- d) Complete a construction/assembly design review to assess field period assembly and metrology needs
- e) Continue with the design of the cryostat, coil structures and assembly fixtures (non-critical items).
- f) Continue to provide procurement support for the above items (see "Procurements-status and issues")

8. Project performance thru Feb (Ron/Greg)

- a) SPI & CPI are .97 and .98 respectively at the end of February. PARS data for March is not available at the time of this meeting
- b) The re-baseline of this project will modify the cost and schedule, including future milestones
- c) Barry will determine if Anne will be briefed, via quarterly review, prior to the re-baseline meeting on April 25th.

9. ECP status & Mgmt Reserve planning (Wayne/Ron)

Proposed ECP #25 will provide the change mechanism for establishing the new baseline of the NCSX project due to the budget shortfall. The re-baseline will continue to assume the same definition of "TEC".

However, the FY05 Joule milestone to complete the winding of the first production coil (C-1) is recommended to be revised since the re-baseline will extend the duration of all coil winding work anyway. We will plan to discuss this during the April 18th weekly video conference with OFES.

Planned IPT meetings thru June are as follows:

April 25	Baseline Meeting in Germantown
May 3	IPT Call
May 24	IPT Call
June 14	IPT Call
June 29	Lehman Review at PPPL

Jeffrey Makiel