

NCSX IPT Meeting Minutes

The minutes from the NCSX IPT meeting of Tuesday, Nov 29, 2005 at 11:00AM are as follows:

Attendees: DOE-PSO: G. Pitonak, L. Dietrich, J. Makiel

DOE HQ: B. Sullivan

ORNL: J. Lyon

PPPL: R. Strykowski, J. Levine, R. Templon, J. Malsbury
H. Neilson

1. DOE News (Barry)

- a) The NCSX FY06 budget authority is \$15.5M PPPL and \$1.691M ORNL = 17.191M total. However, the next contract mod will include language that some amount of funds (estimated at 3%) may be rescinded later due to Hurricane Katrina relief.

2. Safety Management (Jerry)

- a) One year has passed without a DART (loss workday) case;
- b) As reported during the last IPT meeting, PPPL has provided hazard awareness training to ORNL collaborators.

3. Last Lehman Review

- a) The draft report from the Lehman Review on November 2-3 was discussed. PSO and PPPL NCSX Project Team provided comments on the draft report. Comments were sent to Kin. PSO will follow up with Kin when she returns from Berkeley.
- b) During a briefing to Anne and SC-2 (Decker) by Kin on the Lehman Review on Nov 9th, SC-2 and Anne recommended that NCSX be placed on the SC Watch List due to the increased level of production activities and vendor performance concerns over the next 6 months. Also, Anne and SC-2 recommended that an assessment of progress be presented in the February Watch List briefing
- c) The next Lehman Review has been set for May 9-10 at PPPL.

4. Project technical progress (Hutch)

Due to the time constraints on today's meeting, the following topics have been abbreviated:

MC Winding

- a) The C-1 MC continues winding operations at PPPL. Some rework was performed due to issues regarding the placement of the cladding within an acceptable dimensional tolerance. Work is progressing well now;

MCWFs

- a) The C-2 MCWF completed the 5-axis machining phase and is now undergoing final inspection at Major Tool and Machine;
- b) The first B casting was successfully poured (B-1).

VVSA

- a) The VVSA effort continues. Welding of the large ports on the first period section is complete. Welding of the smaller ports is now in progress;
- b) Work on the other two VV periods also continues.

Other components and facilities

- a) The Twisted Racetrack Coil (TRC) continues to undergo examination. Thermal tests appear satisfactory. Electrical tests (including destructive testing) appear satisfactory. Dimensional analysis is underway including magnetic mapping results;
- b) As stated earlier, coil winding of the C-1 MC is underway. Ground wrap and lacing was installed. Winding of the conductor will commence shortly.

5. Procurement (Rod)

- a) There is approximately \$112K of requisitions for component parts in the system. No issues noted;
- b) PPPL Procurement is investigating export/import control requirements regarding the option to use China as the manufacturer of the planar coils.

6. Review of critical issues (Hutch/Wayne)

There are currently no category I critical issues at this time. Several lower category critical issues were discussed at the Lehman Review and continue to be tracked by the Project Team.

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

- a) A detailed plan for FY06 was provided in ECP 39 and was signed by the Federal Project Director which describes approximately \$17.5M of work for FY06;
- b) Additional funds received for the NCSX project (discussed in paragraph 1 above) will accelerate portions of the project (PF coil design, coil services, cryostat design, etc.) scheduled for FY07 into FY06. An increase in the FY-06 contingency level will also occur.

8. Project performance thru October (Ron)

PARS data thru October:

SPI = .99

CPI = 1.0

Schedule variance due to: (1) the third vacuum vessel segment is about 1 month behind schedule but no impact to critical path, and; (2) the C-6 casting had to be re-poured. Machining of the first A casting (A-1) will go in its place.

9. ECP status (Ron)

The following are current and anticipated Engineering Change Proposals (ECPs) that require DOE approval:

- a) No further ECPs requiring DOE approval have been identified at this time

10. Planned IPT meetings (and other events) are as follows:

Dec 20 -- Next IPT at 11:00am
Nov 29 -- OFES Monthly Briefing at 3:00pm
May 2006 Next Lehman Review at PPPL