

NCSX IPT Meeting Minutes

The minutes from the NCSX IPT meeting of Tuesday, July 29, 2008 at 11:30am are as follows:

Attendees: DOE-PSO: J. Makiel, L. Dietrich
DOE HQ: S. Barish, K. Chao
ORNL: Jeff Harris (via later email)
PPPL: D. Rej, R. Templon, J. Levine, J. Malsbury, H. Neilson

Special Notes:

- The NCSX Project received notification of cancellation on May 22, 2008;
- The NCSX Project workscope activities have been reduced to specific close-out activities approved by OFES.

1. DOE News (Sam)

- a) None

2. Safety Management (Jerry)

- a) There were no NCSX related safety incidents.
- b) A new PPPL-wide safety initiative called "STOP" has been implemented.

3. Project technical progress (Hutch)

Modular Coil

The 18th modular coil has been successfully VPI'd. Incidental work on the 17th modular coil, as well as the removal of the bag mold and installation of the final clamps on the 18th modular coil, are part of the close-out activities of the Project. This work is on-track to conclude this fiscal year.

TF Coils

The TF subcontract will remain active as part of close-out activities of the Project. The 14th TF coil has been completed. The remaining TF coils are in various stages of fabrication. Vendor oversight activities continue. Overall, this effort is progressing well and the last (18th) TF coil will be delivered around fiscal year end.

PF Coils

This activity has been halted. Successful bids were received just prior to project cancellation

Trim Coils

This activity has been halted. Design was completed just prior to cancellation.

Base Support Structure and Coil Structures

A final design review of the base support structures was completed in May. A final design review of the coil structures is planned within a week or so. This marks the end of all design work. That is, all other design work has been halted.

Cryogenic System and Cryostat

This activity has been halted. Preliminary design was underway at time of project cancellation.

Coil Services

A preliminary design review of the LN2 distribution system was completed in June. Preliminary design of the electrical leads was underway at time of project cancellation. Both activities have been halted.

Field Period Assembly

Station #1: This activity has been completed.

Station #2: Assembly of the first '3-pack' was successfully completed as part of the close-out activities. The 3-pack successfully met its tolerance requirements and is an important demonstration of the feasibility of machine assembly. Assembly of a second 3-pack is also underway as part of the close-out activities and is going well.

Station #3: Workscope at Station #3 has been reduced to only a trial fitting of one modular coil 3-pack over a vacuum vessel section. The assembly fixtures have been set up and a trial 'flight' of a 3-pack over a 'phantom' vacuum vessel section will be performed next week prior to the actual trial over a real vacuum vessel section.

Archiving of data & documents (new activity for project closeout)

The website that will catalog the data is now up and running. A 'close-out' form has been created to document all the existing data and capture specific knowledge accrued by each NCSX job manager.

Component Storage and Fabrication Facility Disposition (new activity for project closeout)

- a) Component storage is underway. The NCSX Test Cell will provide storage space for all components including 18 modular coils (assembled as 3-packs: 4 temporary & 2 permanent), 3 vacuum vessel sections, 18 TF coils, assembly fixtures and miscellaneous parts.
- b) The NCSX Fabrication Facility will be disassembled upon completion of close-out tasks discussed above. Disassembly will include the winding stations, field period assembly stations, autoclave and the coil test facility.

4. Procurement (Rod/Jeff)

- a) The only significant procurement activity is the completion of the remaining TF coils from ETI.
- b) All other procurements over a certain threshold value must have Project approval and only support authorized close-out activities.

5. Staffing (Don)

- a) The Project has prepared a staffing profile to support the remaining close-out work activities. In general, there is a gradual decrease in technician staff and an abrupt drop in other staff (designers and engineers) during the 1st quarter of fiscal year 2009;
- b) The staffing profile has been submitted to the PPPL Directors' Office.

6. Project performance (Jeff M/Don)

- a) Jeff M has requested a revised format for the monthly status report to capture progress of close-out activities beginning with the month of June. [Action: Don]
- b) The Project is preparing a Close-Out Report which will be submitted in March 2009. A draft Table of Contents has been circulated among IPT members for comment.
- c) Progress on close-out activities are on track. The Project will prepare a draft contingency spend plan proposal if risks are retired without significant contingency drawdown. [Action: Don].

7. ECP status (Jeff M)

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

A draft ECP will be generated by the Project to align the Project for close-out;

- a) The ECP will document close-out activities as proposed by PPPL and approved by OFES via email from R. Fonck to R. Goldston;
- b) A revised CD-4 definition will be included;
- c) A revised work breakdown structure will be included;
- d) The current CD-4 date will remain as July 2009;
- e) A decision must be made on the new TEC as to whether it remains at \$92.4M or other [Action: Jeff];
- f) Authorization level of the ECP will likely be by the Acquisition Executive (SC-1) unless delegated otherwise. The ECP package will be submitted to OFES for disposition.

- 8. Planned IPT meetings (and other events) are as follows:**
TBD Next IPT Meeting