

DESIGN REVIEW DOCUMENTATION – RESULTS

Title: NCSX WINDING FORM WP#: _____ (ENG-032)

Type of Review: Peer CDR PDR FDR

Cog Individual: B. Nelson Date of Review: 1/23/03

Review Board Members:	Invited attendees :	Other Attendees:
Chairperson <u>L. Dudek</u>	<u>P. Heitzenroeder</u>	<u>R. Hawryluk</u>
<u>J. Chrzanowski</u>	<u>H. Neilson</u>	<u>R. Strykowski</u>
<u>S. Raftopoulos</u>	<u>L. Sutton</u>	<u>W. Reiersen</u>
<u>B. Nelson, ORNL</u>	<u>H.M. Fan</u>	<u>M. Zarnstorff</u>
<u>G. Gettelfinger</u>	<u>B. Simmons</u>	<u>A. Brooks</u>
<u>Regulatory Compliance</u>	<u>D. Williamson – ORNL</u>	<u>T. Brown, M. Williams</u>

Items Reviewed:	Sat.	Unsat.	Comments
Appropriate requirements identified			_____
Development plans and schedules			_____
Regulatory compliance including USQD and NEPA			<u>Not Presented</u>
Disposition of CHITS from previous reviews			<u>None</u>
Cost objectives			_____
Other review objectives addressed (attachment 4 of ENG-033)			_____

SUMMARY OF RESULTS: This review was called prior to the release of the design package to the coil winding form manufacturing development subcontractor. The purpose of the review was to address the poloidal break (flagged as an issue at the PAC meeting), the copper cladding (a source of considerable expense and technical uncertainty in the subcontractor proposal responses), and tolerances (ditto). Recommendations on how these issues are to be addressed were presented at the peer review. The schedule for the coil development and delivery was also discussed.

Ten (10) Chits were generated from this review. The chits were dispositioned following the review and copies are attached. Once these chits are resolved and prior to the release of the drawing package to the subcontractor a subgroup of this review will be reconvened to review the final drawings.

Disposition: [check one]

Acceptable

Acceptable pending resolution of concerns- CHITS identified above must be resolved prior to installation.

Incomplete - Additional design work is required prior to another design review.

Chairperson Signature: _____ Date: _____

Distribution: Review Board Members, Operations Center, Cognizant Design Engineer, System Engineer(s), Attendees, QA, ES&H