

DESIGN REVIEW DOCUMENTATION – RESULTS

Title: NCSX Vacuum Vessel Port Assignments _____ **WP#:** (ENG-032)

Type of Review: Peer CDR PDR FDR

Cog Individual: M. Cole _____ **Date of Review:** 1/29/04

Review Board Members:

Invited attendees :

Chairperson L. Dudek _____	QA _____	D. Williamson _____
P. Heitzenroeder _____	B. Stratton _____	B. Nelson _____
M. Viola _____	D. Johnson _____	_____
G. Getelfinger _____	R. Majeski _____	_____
R. Simmons _____	P. Goranson _____	_____
Regulatory Compliance _____		

Items Reviewed:	Sat.	Unsat.	Comments
Appropriate requirements identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Development plans and schedules	<input type="checkbox"/>	<input type="checkbox"/>	Not Presented _____
Regulatory compliance including USQD and NEPA	<input type="checkbox"/>	<input type="checkbox"/>	Not Applicable _____
Disposition of CHITS from previous reviews	<input type="checkbox"/>	<input type="checkbox"/>	Not Applicable _____
Cost objectives	<input type="checkbox"/>	<input type="checkbox"/>	Not Presented _____
Other review objectives addressed (attachment 4 of ENG-033)	<input type="checkbox"/>	<input type="checkbox"/>	_____

SUMMARY OF RESULTS: Charge to Committee: Is the vacuum vessel port arrangement (size, number, and location) adequate for the NCSX program?

Assumptions:

- The ports to be shown are feasible, including adequate clearances to other component
- during assembly (everything at room temperature),
- during operation (coils cold, VV at RT to 40C)
- during bake-out (coils cold, VV at 350C)

M. Cole presented the latest design for the port arrangement. Twenty three chits were generated from the review most of the chits and discussion concerned how to best eliminate the remaining interferences with the structure and coils. The committee considered the review successful pending resolution of the chits. B. Nelson will hold another review once the chits are resolved.

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