

Design Review Documentation - Results No.:

Title: RP Magnet Scope FDR III

CAT: ☒A1 ☐A2 ☐A3

Type of Review: ☐Peer ☐CDR ☐PDR ☒FDR

Cognizant Individual: A. Falcon

Date of Review: 2/11/20

Review Board Members:

Chair: T. Stevenson

RE S. Raftopoulos

TA S. Gerhardt

CE R. Ellis

TA R. Camp

TA M. Anderson

PE Y. Zhai

QA F. Malinowski
A. Castaneda

ESH N. Gerrish
H. Wetzel

Attendees:

Antonio

R. Hawryluk

P. Titus

W. Que

M. Pauley

Attendees:

Items Reviewed:	Sat.	Unsat.	Comments or n/a if not applicable
Appropriate requirements identified	X	<input type="checkbox"/>	
Development plans and schedules	X	<input type="checkbox"/>	
Reg. compliance incl. USI/USID and NEPA	X	<input type="checkbox"/>	
Disposition of CHITS from previous reviews	<input type="checkbox"/>	<input type="checkbox"/>	n/a
Calculations (all listed are signed and filed)	<input type="checkbox"/>	<input type="checkbox"/>	n/a
Cost objectives	<input type="checkbox"/>	<input type="checkbox"/>	n/a
Other review objectives addressed	<input type="checkbox"/>	<input type="checkbox"/>	n/a

SUMMARY OF RESULTS:

The purpose of the final design review (FDR) was to review the process proposed for in-situ grouting of shims in the lower G10 ring region to improve lower bundle mechanical load bearing capability (minimize local stress concentration when in compression) while doing no harm to lower bundle ground wrap insulation when it is in tension. Processes were successfully prototyped and used to craft methodology. The proposed method using liquid shim injection was accepted. A band will be used for further securing shims. Five minor chits were generated.

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.
- ☐ **Unsuccessful** – Corrective actions must be taken and another review process must be initiated.

Design Review Chair:

Date:

Cognizant Individual Acceptance

Date:

Distribution: Review Board Members, Operations Center, Responsible Engineer (RE), Cognizant Individuals, Project Manager, Project Director, relevant Technical Authorities (TAs), Chief Engineer (CE), Fire Protection Engineer, Attendees, QA, ES&H, Security, Requesting & Performing Dept. Head

Revised 9/12/19