

## Design Review Documentation - Results No.:

Title: RP Magnet Tasks FDR-2

CAT: ☒ A1 ☐ A2 ☐ A3

Type of Review: ☐ Peer ☐ CDR ☐ PDR ☒ FDR

Cognizant Individual: A. Falcon

Date of Review: 1/31/20

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### Review Board Members:

Chair: T. Stevenson

RE S. Raftopoulos

TA S. Gerhardt

TA R. Ellis

TA R. Camp

TA M. Anderson

PE Y. Zhai

QA F. Malinowski  
A. Castaneda

ESH N. Gerrish  
H. Wetzel

### Attendees:

M. Cropper

P. Dugan

W. Gattoni

R. Hawryluk

M. Kalish

J. Mitchell

M. Pauley

P. Titus

W. Que

X. Zhao

### Attendees:

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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	X	<input type="checkbox"/>	
Calculations (all listed are signed and filed)	X	<input type="checkbox"/>	
Cost objectives	X	<input type="checkbox"/>	
Other review objectives addressed	<input type="checkbox"/>	<input type="checkbox"/>	n/a

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### SUMMARY OF RESULTS:

The purpose of the final design review (FDR) was to review the progress of plans for remediation of issues described in RP Magnet Tasks since the PDR and the first part of the FDR. The scope of this FDR included the items identified in the DVVR chits that comprise the issues listed in the introduction. The water leak detection system was not included in this FDR. No actions were taken on water fittings. Thus RP Magnet scope is OH ground plane paint, Aquapour wire mitigation, cooling water system interlock (software), and G10 ring shim and gaps. RP FDR I covered the first two items. This review covered the cooling water interlock. Additional Ladder Logic interlocks de-energizes both BOTH high pressure and low pressure pumps, and supply/return valves in a detected loss-of-flow event. Five additional minor chits were generated.

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**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