



THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY

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HALL B PROCEDURE NO.:
B000000402 -P002 Rev - A

TITLE: Hall B Superconducting Magnets Power Supply Maintenance Turn-On Checklist

BY: R. Fair

DATE: 01 /12 /2017

Intended Checker and Approvers:

CHK: G. Biallas

1. APP: S. Philip

2. APP: P. Ghoshal

3. APP: 3rd Approver (if necessary)

*Complete
P. Ghoshal
13/July
2020*

A		Update document to include Hall B Solenoid Power Supply and change approver	R. Fair	G. Biallas	S. Philip	P. Ghoshal	01.12.17
REV.	ECO#	DESCRIPTION	BY	CHK.	APP.	APP.	DATE
SUMMARY OF CHANGES FROM PREVIOUS REVISION:							

Hall B Superconducting Magnets Power Supply Maintenance Turn-On Checklist

Introduction

The checklist below should be completed only in conjunction with the most current release of the B000000401-P020 Hall B Torus Power-Up and Power-Down Procedure and the B000000400-P001 Hall B Solenoid Power-Up and Power-Down Procedure.

This document refers to the Danfysik System 8500 Magnet Power Supply.

Checklist

Hall B Magnet Power Supply Maintenance Turn-on Checklist

Date 7/13/2020

Indicate relevant items requiring check below!

Relevant Item:	Checked By/Date	Verified By/Date	
N/A			1. Have the maintenance/troubleshooting actions been reviewed since the last time the supply was successfully operated (i.e., charge and discharge the magnet)?
N/A			2. Has the supply been returned to normal operating configuration after the work was completed?
✓	PKG 7/13/20	TL 7/13/2020	3. Are the A/C input power connections all tight?
N/A			4. Is the dump resistor connected and are the connections properly torqued?
N/A			5. What is the temperature of the dump resistor? _____
✓	PKG 7/13/20	TL 7/13/2020	6. Is the LCW on? Check supply and return gauge pressure <u>95 psi (S) / 30 psi (R)</u> Check position of four supply and return valves. Ensure no leaks? ✓
✓	PKG 7/13/20	TL 7/13/2020	7. Is the ground fault detector circuit operational? Date last checked: <u>PKG</u>
✓	PKG 7/13/20	TL 7/13/2020	8. Do the two emergency stop buttons function one on the front of the power supply and one on the front of the remote control crate? Date last checked: <u>PKG</u>

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Hall B Superconducting Magnets Power Supply Maintenance Turn-On Checklist

N/A			9. Have all of the direct current power cable connections connecting the power supply to the magnet been torqued (e.g., all bolts set to 50 foot-pounds)?
M/A			10. Have all testing wires and instruments been removed from the power supply, and the tested circuits restored to normal operation?
POWER SUPPLY MAINTENANCE CHECKS COMPLETE			

