

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A*

C-A OPERATIONS PROCEDURES MANUAL

15.1.1.a LOTO for RHIC Injection Kicker High Voltage Charging Power Supply Checklist

(Pulsed Power Systems Group Procedure 8.34.1a)

Note: This document was formerly a C-A Group Procedure. The content of the group procedure was verified for safe and reliable use as an OPM Procedure. All approvals and/or issue dates of the original group procedure are maintained for present use.

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

W. Zhang

Pulse Power Systems Group Procedure 8.34.1a
Original Issue Date: 10/24/06
Revision 02

15.1.1a LOTO FOR RHIC INJECTION KICKER HIGH VOLTAGE CHARGING POWER SUPPLY CHECKLIST

(These steps are executed on and around the RHIC Injection Kicker Power Supply Caged area in Bldg. 1005E and 1007W).

All personnel involved in working on any electrical system or equipment in the C-A shall be familiar with BNL ES&H Standards 1.5.0, 1.5.2, C-A OPM 1.5.3 “Procedure to Open or Close Breakers and Switches and Connecting / Disconnecting Plugs” (<http://www.agsrhichome.bnl.gov/AGS/Accel/SND/OPM/Ch01/01-05-03.PDF>), and BNL SBMS [Worker Safety and Health](https://sbms.bnl.gov/sbmsearch/subjarea/176/176_sa.cfm) Subject Area: Lockout/Tagout (LOTO) (https://sbms.bnl.gov/sbmsearch/subjarea/176/176_sa.cfm). C-A will provide on-site/work specific training to individuals in the electrical safety aspects of their job functions and assignments.

PART A TURNING OFF THE POWER SUPPLY:

**Install
LOTO
Initial**

Power Supply should be brought to “zero safe”

1. Set the RHIC Injection Power supply to OFF.
The “OFF” push buttons are located outside the caged areas. _____
2. In building 1005E. the “off” Push button is located on the PLC Panel View Terminal on rack ATR 5C-5, across the aisle from the cage. _____
3. In building 1007W the “off” Push Button is located on the PLC Panel View Terminal on rack ATR 7C-5 in the room through the double door adjacent to the cage. _____
4. Observe that the OFF display indicator has lighted. _____

PART B - POWER SUPPLY LOCKOUT TAGOUT

1. Verify all personnel performing LOTO wearing proper PPE _____
2. Visually inspect AC switches and switch panels for safety and integrity

Bldg. 1005E	P5EIK # 1L	Normal	_____
Bldg. 1007E	PP7W2 #4	Normal	_____

3. Turn off the switch marked Injection Kicker High Voltage Power Supply
Disconnect at the disconnect switch panel on the cage wall. _____

Bldg. 1005E P5EIK # 1L _____

Bldg. 1007E PP7W2 #4 _____

4. Apply the lock and Red Hold tag. _____

Name (print) _____

Date: ____/____/____

Name _____
(Signature)

Time: _____