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C-A OPERATIONS PROCEDURES MANUAL

15.3.3.1 Siemens System Review (Maintenance Procedure)

(Booster/AGS Ring Power Supply Systems Group Procedure EPS-S-001)

Note: This document was formerly a C-A Group Procedure. The content of the group procedure was reviewed by the Technical Supervisor. All approvals and/or issue dates of the original group procedure are maintained for present use.

Text Pages 3 through 3

Hand Processed Changes

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

M. Bannon

Group Procedure EPS-S-001
Revision 00

BROOKHAVEN NATIONAL LABORATORY
CA DEPARTMENT SYSTEM REVIEW

Name: System Review

By: Siemens Power Supply Group Leader

Procedure: The purpose of this procedure is to review and evaluate the Main Magnet Power Supply electro-mechanical systems. Then determine if the existing procedures and practices are suitable. And to determine if there is something that has constant failures which may need to be replaced in the future.

Determining Questions to ask:

1. Have the operating parameters of the system changed since the last review? The important parameters to consider are rep rate, duty cycle, operating voltages and currents, yearly operating time and frequency of schedule maintenance days during the runs.
2. Has the system been modified since the last review? If so, have the new systems been running reliable?
3. Have there been any injuries, damage to other equipment or significant downtime due to any system since the last review.
4. What failures have occurred since the last review and are there any trends in the systems reliability?
5. In light of question # 3, should the systems maintenance procedures and or practices be modified?
6. Should the intervals between maintenance days be amended? (presently 1 day per month)
7. Are the time estimates made of maintenance days accurate?
8. Are the time estimates for maintenance, accurate and if not should they be modified?