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BROOKHAVEN NATIONAL LABORATORY
RHIC PROJECT
RADIATION SAFETY COMMITTEE
RHIC SUB - COMMITTEE

To: R.K. Reece
From: A. Etkin 
Date: April 3, 1995
Subject: Meeting of February 10, 1995

A meeting of the RHIC subcommittee of the RHIC/AGS Radiation Safety Committee was held on February 10, 1995. In attendance were A. Etkin, R. Frankel, W. MacKay, S. Musolino, M.O'Brien, K. Reece and A. Stevens.

Frankel gave an introduction to the new personnel access control system for the RHIC injection line [also for the G-2 experiment] which is the first stage of the RHIC system. It is based upon redundant programmable controllers. The following recommendations for the system documentation were made:

- 1] A table of the modes should be made with a simple explanation and notation of state of each of the mode numbers.
- 2] An annotated graphic map of the area should be added.
- 3] A flow chart expression of the mode command paths should be added .

In addition the following recommendations were made:

- 1] That an alarm be added to indicate that a gate is open more then a set time [brick in the gate].
- 2] That when a gate indicates it is not reset, when it is required to be, the system should change to a state that disables the critical devices and commands all gates locked.

- 3] That a procedure for control of software changes be implemented.
- 4] That the method of how access will be permitted in the Controlled Access and Restricted Access modes be defined.

xc:

R. Frankel, M. A. Harrison, W. MacKay, S. V. Musolino, M. O'Brien, S. Ozaki,
A. Stevens