

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

To: R. K. Reece
From: A. Etkin 
Date: January 4, 1996
Subject: Minutes of August 29, 1995 Meeting

On August 29, 1995 the RHIC Sub-Committee of the RHIC - AGS Radiation Safety Committee meet to review the U, V, W, X and Y line Security System State Tables. Attending were D. R. Beavis, A. Etkin, R. Frankel, W. MacKay, S. V. Musolino, R. K. Reece and A. J. Stevens.

The following points or decisions were made:-

- 1] RSC procedure requires that the Chief Electrical Engineer or equivalent must review the system wiring diagrams or lists.
- 2] All software installed in the field or control room PLC's must be tested as part of the verification process.
- 3] A dictionary of acronyms and abbreviations along with a description of the system must be added to the system documentation.
- 4] Chipmunk 19 connected to Peer 5, which is intended to protect W Downstream from a V line fault, must be moved or disabled to run the ATR and ultimately be reconnected to Peer 3 and bypassed when ATR is enabled.
- 5] V1 line Chipmunks will not be installed for the Heavy Ion run this fall.
- 6] Present Chipmunk locations will be reviewed for subsequent runs.
- 7] For this falls test the X and Y lines are to be locked out. X line lockout will be required until full RHIC commissioning.
- 8] There is a need for improvement in the control panel in the AGS - MCR for this year. A complete redesign is required for the sextant test. This design will be reviewed by the committee.
- 9] Gate signs will read " Area Secured Do Not Enter ".
Augmentation of indicator at the gates will be reviewed this year.

- 10]The amended state tables and a chart of timer values will be put in the RSC files.
- 11]The delay time for stable gate indication changed to 2 seconds.
- 12]Timer values should be indicated in state tables.
- 13]A door open time-out alarm for restricted access should be implemented for G-2 operation.

Subsequent to the meeting the Controlled Access time-out was changed to 180 seconds and the initial state after PLC restart was defined as all critical devices disabled, all gates not reset and all area sweeps no good. In order to facilitate debugging a gate can be reset from the control room from the control room by pushing the corresponding gate release button with-in 20 seconds of the restart.

xc: L. A. Ahrens, D. R. Beavis, H. N. Brown, J. Durnan, R. Frankel, J. W. Glenn, M. A. Harrison, M. V. Heimerle, E. T. Lessard, W. MacKay, A. J. McGeary, S. V. Musolino, M. O'Brien, A. J. Stevens, R. E. Thern

attachments: