Subject: Additional AGS Interlocks

The group assembled to discuss what additional interlocks should be restored to the AGS system. The committee that made recommendations for restoring the interlocks suggested that additional interlocks be considered after the machine became operational.

The group agreed that the Siemens interlock should be restored.

Operations would like to have read back status on the J15 shutter. The primary options discussed were to move it into the vacuum controls where the other valves are, provide a positive means to mechanically lock it open, or restore it in the interlocks to provide status and controls on the position. The ACG will meet with the vacuum group and decide which option is the easiest to implement.

The J beam dump water interlocks were discussed. The Chief Mechanical Engineer should decide if the water interlocks are needed for the planned beam operations this year. If they are considered important to return to the interlock system then they will be restored.

The three items above are relatively easy to restore into the AGS interlock system. More difficult is to restore another layer of interlocks on the primary access gates to the AGS ring. There are potential advantages and disadvantages to leaving the gates as they are or adding additional gate interlocks. The consensus was that the engineering and technical effort required to add a temporary second layer of interlocks would be more wisely invested in the design of the new PLC system for next year. There were also concerns on training personnel again on the change. It was decided to leave the gate interlocks and locks as they are presently configured. It is expected that the activity in the AGS ring this year will not be extensive and the cumbersome nature of the present access and sweep system can be tolerated. For a single run the two approaches probably provide nearly equivalent protection of personnel. If operations find that they need more access than anticipated, then this decision can be revisited on a gate by gate basis.

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