

A.J. Stevens

AJS

**Minutes of meeting:** Radiation Safety Committee, sub-committee

**Date:** Friday, February 19, 1999

**Present:** D. Beavis, A. Etkin, W. Mackay, S. Musolino, A. Stevens

**Subjs:** Review of Pending Shielding Issues Related to RHIC

The primary purpose of this meeting was a review of items related to shielding issues at RHIC which are in a database maintained by A. Stevens, although two other topics were briefly discussed.

Issues associated with database include the date by which closure is expected for a specific item, needed RSC reviews, and some items which may have become moot. Specifically, the following issues were briefly discussed.

- (1) A recent ORR review pointed out the need for adding an expected date of closure for each item. The first pass at this included a March 15 date that corresponded to the test run which was recently cancelled. Stevens will change this date to May 1.
- (2) Item number 6 in the database, corresponding to RSC CK-RHIC-2 o'clock-3, was a fence preventing access with ladders to the 2 o'clock shield **if practical**. This can now be inspected by this sub-committee or part thereof to determine whether posting is sufficient.
- (3) Radiation barriers have been built from patio blocks around all the vertical cryogenic pipe penetrations. These barriers should be inspected by Etkin and Stevens accompanied by Mike Gaffney and Bob Marascia.
- (4) An inspection of the 8 o'clock south shield wall should be made to determine whether item number 21 in the database (RSC CK-PHENIX-14), which referred to placing a "no climbing" posting related to labyrinth roof, has become moot. It is believed that a later RSC action resulted in the area being fenced.
- (5) It was agreed that this sub-committee should review again item number 52 (RSC CK-12 o'clock-5), which requested light beam sensors across the end walls at 12 o'clock **if practical**. This item was explicitly not deemed to be a safety issue by the RSC.
- (6) It was agreed to consider further (at a later meeting) items 30 and 61 in the database. These refer to the Lambertson septa magnets in the 5 o'clock and 7 o'clock regions, which are difficult apertures. Some form of monitoring and/or restrictions on the berm above these magnets during the commissioning run may be needed.
- (7) No RSC reviews have been held related to shielding which must be placed at magnet access ports at 8 o'clock and 12 o'clock, or related to the collimators. Memoranda and a

technical note describing the calculations which have been done were distributed to the sub-committee by A. Stevens. It was agreed that these topics should be discussed at the next meeting.

The two topics not related to the database (but related to each other) that were discussed were: (1) the need to begin soon to generate check lists for the IR regions prior to start-up, and (2) the need for appropriate people to fill the roles that AGS liaison physicists and engineers perform related to safety for each RHIC detector. It was agreed that RHIC Project management should be consulted regarding the last question.

Distribution:

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cc: RSC file  
RSC