

Wednesday 28 September 1994

K. Reece

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Minutes of meeting: Radiation Safety Committee

Date: Wednesday 28 September 1994

Present: L.Ahrens, H.Brown, I.H.Chiang, A.Etkin, D.Lazarus, E.Lessard, A.McGeary,
S.Musolino, E.Njoku, K.Reece, J.Spinner.

Subject(s): North Conjunction Area shield wall proposal.

A replacement of the present shield wall in the North Conjunction Area (attached) was proposed by A. Pendzick, W. vanAsselt and L. Ahrens and was reviewed by an RSC sub-committee (D.Beavis, E.Lessard, A.Stevens, K.Reece).

1. A. Stevens' review (RSC file) concluded the new configuration provides a factor of two better attenuation for muons.
2. The present "in-ring" shielding near I10 - I14 may be placed on the floor (out of the beam plane) but remain in the area for initial beam studies; there is substantially more data without these blocks in place for comparison with the new configuration, (CK - AGS, vanAsselt).

Concerns:

1. Access to the ring through the North Conjunction Area must remain appropriate for a High Radiation Area at ALL times during the construction, (E.Njoku, A.Pendzick, K.Reece).
2. If possible, the trench along the "beam right" wall should be packed, (Pendzick).
3. Access aisle through the buoy anchors must be sufficient for maintenance purposes, (Pendzick, Zaharatos, Harris).
4. Additional shielding views should be provided to the RSC; three cross-sections (elevations) and "face" view, (Pendzick).
5. The LE must verify (sign) the shielding print conforms to the "as built" shielding, (CK - AGS).
6. The buoy anchor overlap must be documented on the print, (Pendzick).
7. The inside shield wall should be reviewed for weatherproofing, (Pendzick).
8. Photographs of the construction should be taken (present wall removal and building the new wall) and placed in the RSC shielding file, (Pendzick).
9. Beam fault studies must be conducted in the area prior to normal operation of the AGS, (vanAsselt, Ahrens, Reece).

The RSC approved the revised shield wall for this area and will track the "concerns" to be addressed before, during and after the construction. The AGS LE and LP will assure that the AGS Check-off list items are completed.

cc: W. vanAsselt T. Roser
A. Pendzick A. McNerney