

Date: December 13, 1993

Minutes of the AGS Radiation Safety Committee

Subjects: Update of Experiment 871, B5 Line; and
Lock Out Tag Out Procedures.

Meeting Date: May 6, 1993

Present: D Beavis, H Brown, A Etkin, JW Glenn, E Lessard,
A McGeary, S Musolino, K Reece, & SP Yamin.

Guests: J McDonough, W Molzon, & J Scaduto.

Summary

An update on Ex. 871 was presented and approved. The problems of operation of adjacent beam causing exposure during construction was explored. The committee reviewed the draft Radiation LOTO, and recommended approval with some changes.

Ex. 871 in the B5 Line

H Brown presented an update on Ex 871 (Attachment 1). He gave the results of calculations of levels in the galleries and proposed locations for the fences there in. He also gave projected levels in 802's area. With the location of the gallery Chipmunk (to be at or upstream of the fence B5CK1), the proposal was generally accepted.

Other comments:

As calculations of the gallery radiation with the beam plug removed were not made, it must be there for operation. Scaduto points out that, as a shield wall, riggers will be needed for its removal. He will assure that it is not removed and then beam allowed. He will also keep control of the gantry crane that moves the blocks in the range stack.

We discussed the levels in 802's area from beam in B5. Beavis estimates 100 man hours will be spent in the area with 871 running. There will be an interlocking Chipmunk in the area to prevent large excursions (B5CK2). Beam running, intensity and 802's work schedule will have to be worked out between the groups to keep the average, effective dose to less than a milli-rem per hour.

The exposure to 871's people from the B2 and C1 beams running is also a concern. A Correl will meet with Glenn and Lessard on this (ACT 42).

H Brown will calculate levels expected outside of the experimental building from the operation of this beam.

LOTO

E Lessard commented on the reasons that the subcommittee felt that they weren't able to use the standard Lab LOTO Tag and procedure for radiation safety use. Basically they are centered on each tagger controlling and confirming the absence of radiation. He then presented subcommittee's draft LOTO procedure (Attachment 2). After discussion, the consensus was that the Tags look as much as possible like the standard BNL LOTO tag. Detailed comments were passed directly to Lessard for a rewrite and release (Attachments 3 & 4).

Check List Items:

- B5CK1 - Interlocking Chipmunk installed in the West range stack gallery.
 - B5CK2 - Interlocking Chipmunk installed in south-east corner of Ex. 802's area.
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Action Item:

ACT 42: Carroll to will meet with Glenn and Lessard to start developing policy to reduce exposure to users from adjacent beams.

Attachments (file only):

- Attachment 1: Brown & McDonough to RSC, May 5, '93
- Attachment 2: Draft AGS OPM 9.1.16
- Attachment 3: Beavis to Lessard & Glenn, Apr 13, '93
- Attachment 4: Reece to Glenn, May 7, '93

Distribution:

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