

MINUTES
RSB Subcommittee for the Review of NSC Experiments
and Radiological Control
20 May 1988

The RSB Subcommittee for the review of NSC experiments and radiological control met on May 20, 1988 at 9:00 a.m. in Room 129-A Zachry with the following in attendance: Subcommittee Chairman, J. Poston, Subcommittee Members J. McIntyre, R. Kenefick, P. Sandel, D. Feltz, F. Sicilio and RSB Chairman F. Jennings.

Chairman Poston opened the meeting to a discussion of what the Subcommittee should focus on for the meeting. It was decided to direct attention to a review of present procedures for control of personnel and the isolation of potential high radiation areas and radiation areas on the lower level of the NSC.

Poston presented several suggestions for the improvement of control of the NSC lower research level during the conduct of experiments that result in a "high radiation area" or a "radiation area". The following is a list of suggested actions or evaluations:


1. Provide camera surveillance (CCTV) of experiments.
2. Provide additional visual "C-2" lights at the entry door to lower research level and the down ramp personnel door with signs that identify the meaning of the light.
3. "C-2" light in BP 4 cave needs review. Moving the light to be seen directly ahead upon opening the door to the prep-room or adding a light may be an improvement.
4. Consider earlier recommendation that the lower level be controlled by authorizing each individual entry by use of an intercom to the control room and a solenoid operated door latch to be actuated from the control room.
5. The door to the balcony on the lower research level should remain locked.
6. Evaluate key control measures to control personnel.
7. Evaluate the optional "C-2" switch for control of Beam Port experiments that selects either the shield door microswitch or a microswitch located on a fence entry gate. A considered improvement would be an additional indication in the control room that either or both microswitches have been actuated.
8. Provide shielding of the fission product holdup filters located on the mechanical chase to reduce the fenced area at the filters to a "radiation area" rather than a "high radiation area".

Poston stated that he and Sicilio had reviewed beam port experiment procedures and they found the procedures adequate with only minor changes needed. This was followed by a discussion regarding the failure to implement procedures and how to prevent a reoccurrence. Feltz indicated the NSC staff had been working on new review and approval procedures. A draft flow chart describing proposed review and approval procedures that would require additional staff review requirements of new experiments and modifications to experiments was submitted by Feltz. Following discussion of the flow chart, the subcommittee recommended that the RSB have final approval of some but not all experiments that are performed under existing Experiment Authorizations. The requirement for review by NSC Staff Meeting will be followed by RSB Subcommittee review when specified as a requirement in the Experiment Authorization. Feltz indicated he would modify the flow chart and prepare a draft SOP for review and approval of experiments. The draft would be ready for review on Friday, 27 May by Sicilio and presented to the subcommittee at the next scheduled meeting.

Sandel reported that he met with Crawford and Meyer at the NSC to review the draft training program "Experiment Facilities and Procedures Program". He indicated the program should be reduced in detail and commitment. He reviewed the training program against ANS 15.11 and was satisfied and will also evaluate the program against ANS 15.4. The draft training program should be available for subcommittee review soon.

The next scheduled meeting was set for Monday, May 30, 1988 at 9:00 a.m. in Room 129-A Zachry.

Respectfully submitted,



Donald E. Feltz
Director, NSC