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MINUTES OF THE ACRS SUBCOMMITTEE MEETING ON REACTOR
RADIOLOGICAL EFFECTS
DECEMBER 12, 1980, WASHINGTON, D.C.

The ACRS Subcommittee on Reactor Radiological Effects held a meeting on December 12, 1980 in Room 1046, 1717 H St., N.W., Washington, D.C. The purpose of the meeting was to discuss with government and industry representatives the status of rulemaking by EPA and NRC on radiation protection standards and the latest thinking in the area of health physics and dose limits for radiation workers. The meeting also provided an open forum for interested parties to hear and comment on these issues. The entire meeting was open to the public. Notice of this meeting was published in the Federal Register on Wednesday, November 26, 1980. A copy of this notice is included as Attachment A. A list of attendees is included as Attachment B, the schedule for the meeting is included as Attachment C, and a list of all reference material for the meeting is included as Attachment D. There were no written statements from the public but there were three requests for time to make oral statements by EEI Utility Occupational Radiation Standards Group, AIF Subcommittee on Occupational Radiation Protection, and EEI Health Physics Committee. A complete set of handouts has been included in the ACRS files. The Designated Federal Employee for this meeting was Mr. John C. McKinley.

NRC Staff Presentation on 10 CFR 20 Rulemaking Status

Mr. J. Guibert of the NRC Staff presented a status report on the proposed modification of 10 CFR 20 regarding radiation protection standards. An advance notice of rulemaking was issued in March 1980 and 71 comments were

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received. The NRC Staff plans to use the comments to develop a list of principal issues and an NRC position by May 1981. In July 1981, the NRC Staff plans to have public meetings on this issue, however, EPA and OSHA are also planning public meetings around July 1981 and NRC plans to coordinate its schedule to prevent conflicts with the EPA meetings. A proposed rule change to 10 CFR 20 is scheduled to be published in February 1982 with a final rule to be published in February 1983.

The NRC changes to 10 CFR 20 will incorporate the guidance given by EPA on occupational radiation standards. The EPA standards are currently being developed. The NRC Staff presently supports a 5 Rem annual limit and the elimination of the $5(N-18)$ formula.

Mr. Guibert indicated that draft staff papers on principal issues and staff positions will be available in January 1981. These papers will be made available for ACRS review at that time.

EPA Presentation on Radiation Guidelines

Mr. A. Richardson of EPA discussed the status of federal guidance being developed by EPA for radiation protection of workers. The review of this issue began in 1974 and an advance notice of issues and intent to hold hearings was published in September 1979.

EPA is preparing a Federal Register notice on the proposed guidelines. A draft copy of the proposed recommendations was supplied to the meeting attendees. The Federal Register notice should be issued shortly.

Mr. Richardson described the organizational scope of the EPA guidelines. Although the EPA guidance is not binding on NRC or the states, it is advisory and apparently NRC plans to follow it. Mr. Richardson also discussed the number and categorization of radiation workers. Of all radiation workers, 7% are in the nuclear power plant industry and 19% of the total collective dose is to nuclear power plant workers. Hospitals and clinics represent the largest percentage of radiation workers.

Mr. Richardson discussed the risk estimates used by EPA and how these estimates are being used in establishing guidelines for dose limits. These estimates show that the maximum permitted lifetime radiation risk equals or exceeds the average risk of accidental death in hazardous industries. It is interesting to note that the average lifetime radiation risk is significantly less than the average risk of accidental death in the safest industries. Also discussed was the radiation risk to the unborn and the legal problems presented by the equal opportunity laws in regard to separate standards for women.

NRC Staff Presentation on BEIR-III

Mr. M. Parsont of the NRC Staff presented a status report on the work being done in regard to risk estimators to be used in health effects calculations for exposure to low-level ionizing radiation. These risk estimators will be based on the BEIR-III report. A Staff position paper is scheduled to be issued within a month concerning this subject.

EI Presentation on Radiation Guidelines

Mr. S. Wisla of Con. Ed. (representing EEI) presented a position on the proposed changes to 10 CFR 20 and the EPA guidelines. He basically stated that the EPA limit of 100 Rem lifetime exposure was not based on health effects studies or public safety considerations and that the limit was arbitrary. He also defended the 235 Rem lifetime exposure (235 Rem is based on 5(N-18) at age 65) that is currently required.

AIF Presentation on Radiation Guidelines

Mr. L. Lewis of Duke Power (representing AIF) also presented a position on the EPA and NRC rules. He basically stated that the 100 Rem limit was based on faulty reasoning and that if the 5(N-18) formula is discarded, it should be replaced with standards based on ICRP Publication #26.

NRC Staff Presentation on Health Physics Appraisal Program

Mr. L. Cunningham of the NRC Staff presented a status report on the Health Physics Appraisal Program. The program began in January 1980 and eight teams were established to visit and inspect 48 reactor sites. To date, 39 sites have been visited and the remaining sites will be visited by February 1981. Individual reports are being issued for each site with the last report scheduled for April 1981. A final or comprehensive report will then be issued by each of the eight teams in roughly six months.

Mr. Cunningham indicated that the significant problem areas identified so far are:

- Qualification and Training -50% of the facilities inspected had deficiencies in the area of HP technician training and qualifications.

- Staffing -25% of the facilities inspected had inadequate staffing in the radiation protection department.
- Surveillance -35% of the facilities inspected had deficiencies in their surveillance procedures and practices.
- Emergency Planning -35% of the facilities inspected had inadequate training and assignment of emergency duties to the radiation protection personnel.
- Personnel Contamination Control -25% of the facilities had weaknesses in the practices for controlling personnel contamination.
- ALARA -25% of the facilities had poorly formalized ALARA programs.
- Instrumentation -25% of the facilities had deficiencies with the health physics instrumentation.

NRC Staff Presentation on Radiation Protection Plan

Mr. T. Murphy of the NRC Staff discussed the Radiation Protection Plan being developed by the NRC. The plan is being developed to strengthen the health physics programs at the reactor sites and to address the many problems found during the Health Physics Appraisal Program. The plan is scheduled to be published for comment in February 1981, issued in final form in June 1981, and made part of the Technical Specifications in August 1981.

EI Presentation on Health Physics Programs

Mr. S. Wisla of Con. Ed. (representing EI) briefly discussed the industry viewpoint on the Health Physics Appraisal Program and the Radiation Protection Plan. He endorsed the appraisal program as being very helpful but questioned why the problems identified with I&E were not being addressed as part of the program. He indicated that more industry input should have been sought on the Radiation Protection Plan and that the forcing of such a plan on the utilities would discourage professionalism within the health physics departments.

General Discussion

Mr. S. Wisla, Mr. R. Zavadoski (INPO), Mr. N. Millis (BG&E), and Mr. S. Harris (EEI), then answered questions from the Subcommittee. A general discussion of the need for more trained health physicists and what was being done by industry to encourage this training resulted.

The recorded portion of the meeting ended at 4:07 p.m. and the Subcommittee then went into executive session that was open to the public to discuss the writing of the appropriate chapters of the RSR report to Congress on the 1982 NRC budget.

The meeting was adjourned at approximately 5:00 p.m.

For additional details, a complete transcript of the meeting is available in the NRC Public Document Room, 1717 H St., N.W., Washington, D.C. 20555 or from Alderson Reporters, 300 7th St., S.W., Washington, D.C. (202) 554-2345.

design, vehicle design, and operating speeds.

Note: Single copies of Safety Board reports are available without charge as long as limited supplies last. Copies of Board recommendations letters, responses and related correspondence are also provided free of charge. All requests for copies must be in writing, identified by recommendation or report number. Address requests to Public Inquiries Section, National Transportation Safety Board, Washington, D.C. 20594.

Multiple copies of Safety Board reports may be purchased from the National Technical Information Service, U.S. Department of Commerce, Springfield, Va. 22161.

(49 U.S.C. 1901(x)(2), 1906)

Margaret L. Flaher

Federal Register Liaison Officer

November 24, 1980

PR Doc. 80-2708 Filed 11-23-80 04:48
BILLING CODE 4910-01-0

Young

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards, Subcommittees on Site Evaluation and Reactor Radiological Effects; Meeting

The ACRS Subcommittees on the Site Evaluation and Reactor Radiological Effects will hold a meeting at 8:30 a.m. on December 11, 1980 in Room 1048, 1717 H Street, NW, Washington, D.C. to discuss the Generic Environmental Impact Statement on Class-9 Accidents at nuclear power plants. Also, the Subcommittees will discuss and summarize the previous two days meetings on the ACRS Annual Report to Congress regarding the NRC Reactor Safety Research Program Budget, and the discussion on radiation standards for workers.

In accordance with the procedures outlined in the Federal Register on October 7, 1980 (45 FR 66535), oral or written statements may be presented by members of the public, recordings will be permitted only during those portions of the meeting when a transcript is being kept, and questions may be asked only by members of the Subcommittee, its consultants, and Staff. Persons desiring to make oral statements should notify the Designated Federal Employee as far in advance as practicable so that appropriate arrangements can be made to allow the necessary time during the meeting for such statements.

The entire meeting will be open to public attendance except for those sessions during which the Subcommittee finds it necessary to discuss the AERS Annual Report to Congress on the NRC Reactor Safety Research Budget. One or

more closed sessions may be held to discuss such information. ~~OPEN-TO-PUBLIC ACT EXEMPTION (9)(B)~~ To the extent practicable, these closed sessions will be held so as to minimize inconvenience to members of the public in attendance.

The agenda for subject meeting shall be as follows: Saturday, December 11, 1980, 8:30 a.m. until the conclusion of business.

During the initial portion of the meeting, the Subcommittee, along with any of its consultants who may be present, will exchange preliminary views regarding matters to be considered during the balance of the meeting.

The Subcommittee will then hear presentations by and hold discussions with representatives of the NRC Staff, their consultants, and other interested persons regarding this review.

Further information about topics to be discussed, whether the meeting has been cancelled or rescheduled, the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor can be obtained by a prepaid telephone call to Mr. Garry C. Young, ACRS Staff (telephone 302/634-1414) between 8:15 a.m. and 5:00 p.m., EST. The cognizant Designated Federal Employee for this meeting is Mr. John C. McKinley.

The ACRS is required by Section 8 of the 1978 NRC Authorization Act to review the NRC Reactor Safety Research Program and Budget and to report the results of the review to Congress. In order to perform this review, the ACRS must be able to engage in frank discussions with members of the NRC Staff and such discussions would not be possible if held in public sessions. I have determined, therefore, in accordance with Subsection 10(d) of the Federal Advisory Committee Act (Pub. L. 92-463), that, should such sessions be required, it is necessary to close portions of this meeting to prevent frustration of the above stated aspect of the ACRS' statutory responsibilities. The authority for such closure is 5 U.S.C. 552b(c)(9)(B).

Dated: November 24, 1980.
John C. Hoyle,
Advisory Committee Management Officer.
PR Doc. 80-2708 Filed 11-23-80 04:48
BILLING CODE 7880-01-0

~~"Guidelines for Utility Management Structure and Technical Resources," Report NUREG-0721~~

AGENCY: Nuclear Regulatory Commission

The availability of and a request for comments on NUREG-0721, Guidelines for Utility Management Structure and Technical Resources, was noticed in the Federal Register on October 7, 1980 (45 FR 66536). The original comment period expired on November 20, 1980. Requests for an extension of the comment period have been received. Accordingly, the comment period is extended to December 11, 1980.

DATE: Comment period expires December 11, 1980

ADDRESS: Copies of the report are available free from GPO Sales Program, Division of Technical Information and Document Control, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

FOR FURTHER INFORMATION CONTACT: Mr. Lawrence P. Crocker, (301) 482-6487.

SUPPLEMENTARY INFORMATION: Interested persons are invited to submit written comments to Mr. Dominic B. Vassallo, Chief, Licensee Qualifications Branch, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, on or before December 11, 1980.

Dated at Bethesda, Maryland, this 20th day of November 1980.

For the Nuclear Regulatory Commission,

Dominic B. Vassallo,
Chief, Licensee Qualification Branch,
Division of Human Factors Safety.
PR Doc. 80-2708 Filed 11-23-80 04:48
BILLING CODE 7880-01-0

PRESIDENT'S ADVISORY COMMITTEE FOR WOMEN

Meeting

Pursuant to the provisions of the Federal Advisory Committee Act (Pub. L. 92-463 as amended), notice is hereby given of a meeting of the President's Advisory Committee for Women.

Date, time and place: December 18, 1980.
Open business session: 10:00-12:00 p.m.
Room: N-5-07, Department of Labor, 300 Constitution Avenue, NW, Washington, D.C.

Purpose: Meeting of the President's Advisory Committee for Women.

Wade G. Grogan,
Deputy Director
November 18, 1980
PR Doc. 80-2708 Filed 11-23-80 04:48
BILLING CODE 4510-01-0

ATTACHMENT A

POOR ORIGINAL

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS MEETING
ON
REACTOR RADIOLOGICAL EFFECTS AND SITE EVALUATION

December 13, 1980, Washington, D. C.

ATTENDEES PLEASE SIGN BELOW

PLEASE
PRINT
NAME

	BADGE NO.	AFFILIATION
1. Mc KINLEY, JOHN C.	A-1061	ACRS
2. S. LAWROSKI	A-1821	ACRS
3. D. Moeller	A-1870	ACRS
4. WILKINSON	A-2055	ACRS
5. FOSTER	A-0101	ACRS Consultant
6. H. M. PARKER	E-6103	CONSULTANT
7. G. G. YOUNG	A-1685	ACRS
8. G. Sege	A-1344	NRC
9. F. C. Hilditch	E-0106	SCE&C. CO.
10. D. A. ORTH	E-0104	ACRS Consultant
11. A. W. Nestlman	E-0107	Consultant
12. S. W. KLINE	E-0108	BECA TEL POWER CORP.
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POOR ORIGINAL

TENTATIVE SCHEDULE

ACRS JOINT SUBCOMMITTEE MEETING ON REACTOR RADIOLOGICAL EFFECTS
AND SITE EVALUATION

DECEMBER 13, 1980 WASHINGTON, D.C.

Saturday, December 13

8:30 a.m.	Opening Statement by Subcommittee Chairman -
8:45 a.m.	Subcommittee Discussion on Previous Meetings (December 11 & 12)
10:00 a.m.	BREAK *****
10:15 a.m.	NRC Staff Presentation on Class 9 Environmental Impact Statement - W. Houston
12:15 p.m.	Subcommittee Discussion
12:30 p.m.	LUNCH *****
1:30 p.m.	Subcommittee Discussion
3:00 p.m.	ADJOURN

ATTACHMENT C

ATTACHMENT D

Reference Documents for the December 13, 1980 ACRS Subcommittee Meeting:

1. NUREG-0534 Supplement, "Draft Environmental Statement related to the operation of Virgil C. Summer Nuclear Station Unit No. 1," Dated November 1980.
2. NUREG-0699, "Comments on the NRC Safety Research Program Budget for Fiscal Year 1982," dated July 1980.
3. NUREG-0740, "Draft Long Range Research Plan," dated November 1980.
4. Young to Moeller memo, "Status Report for the December 11, 12 + 13, 1980 ACRS Subcommittee Meetings on Reactor Radiological Effects and Site Evaluation," dated November 25, 1980.