

5/16/80

MINUTES OF THE ACRS REACTOR RADIOLOGICAL EFFECTS SUBCOMMITTEE
MEETING, APRIL 23, 1980
Washington, D.C.

The Subcommittee met on April 22, 1980 at 1717 H St., N.W. Washington, D.C. The main purpose of the meeting was to discuss with the NRC Staff its radiological safety evaluation program for operating plants, and related matters.

Notice of the meeting was published in the Federal Register on April 8, 1980. Copies of the notice, meeting attendees list, and meeting schedule are included as Attachments 1, 2, and 3, respectively. No written statements nor requests for time to make oral comments were received from members of the public.

Executive Session

Mr. D. Moeller, Subcommittee Chairman, convened the meeting at 8:30 A.M. and introduced the ACRS members and consultants (Attachment 2) who were present. The meeting was conducted in accordance with the Federal Advisory Committee Act and the Government in the Sunshine Act. Mr. Peter Tam was the Designated Federal Employee.

Members and consultants offered no comments at this point and the meeting proceeded as scheduled.

Discussion with the NRC Staff

1. I&E Radiological Safety Evaluation Program - (J. Cunningham)

Mr. Cunningham indicated that the TMI-2 incident and subsequent followup activities severely impacted I&E health physics resources. It was decided that unless compensatory measures were taken, insufficient inspection attention would be directed to the conduct of radiological protection activities at operating power reactors. Consequently, I&E commenced this program in January for conducting special team inspections at power plants. NRC resources are being

supplemented by DOE via contract with Pacific Northwest Laboratory (PNL).

The inspections include an appraisal of the health physics organization qualification and training of the health physics staff, training of radiation workers, the radiological environmental protection program, in-plant emergency preparedness, radiological protection program, and radioactive waste processing and effluent controls. The inspections specifically encompass many of the problem areas identified in the IE Investigation Team, and the IE Special Review Group reports. Each on-site inspection is approximately two weeks duration and focuses on ensuring that the radiation protection program is being conducted properly. The inspection includes discussion with plant personnel, review and observation of work practices and procedures, and some examination of licensee records. The routine radiation protection IE inspection program at operating power reactors has been deferred. (The IE inspection resources normally expended during conduct of the routine program have been diverted to inspection of waste transportation activities and followup of the TMI accident.) Ultimately, 48 plants will be evaluated under this program.

The evaluations are being performed by eight teams. Members of these were trained at headquarters so to standardize evaluation techniques. Each team will handle an average of six plants. Several consultant's indicated that the artificial time constraint (1 year) could coerce the Staff to use people of less than the highest caliber in the teams. Namely, if the time allowed is longer, fewer teams but more qualified people may be employed. The Staff indicated that the program is not one done in haste and assured the Subcommittee the staffing of the teams is of high quality.

A report is being written on each plant appraised, and the licensee will be expected to respond to issues pointed out by the team. Finally, an overall report will be published on the general findings. Currently, no report is available.

As of today, seven plants have been appraised and out of these (plant names were not given):

- . at least 4 have shortage of personnel
- . at least 5 have training deficiency
- . 2 have poor management practices
- . 1 has no major deficiency

The current nationwide shortage of H.P. personnel was discussed. When the Subcommittee asked why the contract was awarded to PNL, Mr. Cunningham said that among national labs it has contacted, only PNL could commit sufficient man-power. He also urged the ACRS to recommend (did not specify to whom) some form of national, preferably Federally supported, program to train health physicists and technicians. The current shortage is evidenced by the difficulty I&E encountered in staffing the teams, and the licensees encountered in staffing their H.P. programs.

The Subcommittee asked if the Staff would expect, as a result of this program, radiation exposure at these plants to decrease. The Staff indicated it has not made any projection. Also, it does not have any formal mechanisms, in addition to routine inspections, to followup any improvements prompted by this program. Furthermore, no research needs have been generated so far.

The Subcommittee asked if it is true that I&E has traditionally levied heavier fines for security violations than for health physics violations. The Staff indicated that this is a popular belief but could not admit or deny such.

Mr. Sniezek indicated that up to now, the licensees have been regarding health physics programs as the back end of the business, a 'necessary evil'. In most plants, the health physics department is rarely considered an integral part of the operation. Such attitudes have to change.

The evaluation program is expected to be completed in December 1980.

2. TMI-2 Radiation Protection Program - (T. Murphy)

After the TMI-2 incident, a Staff panel was formed to review the radiation protection program at the plant. (This effort is not related to the above I&E program). Findings have been documented in NUREG-0640, "Three Mile Island, Unit 2, Radiation Protection Program." The objective of the program was to review the TMI-2 radiation program to determine its capability of supporting recovery.

The panel found that the radiation safety program had substantial deficiencies and would require significant corrective action to support major recovery activities, but that the TMI management demonstrated a strong commitment to upgrade the program to assure as low as reasonably achievable exposure levels during recovery operations. Based on its findings, the panel recommended that:

- (1) GPU/MET Ed be permitted to continue limited radiological recovery operations, providing that the recently established administrative controls and positive management attitude toward the radiation safety program are maintained.
- (2) GPU/MET Ed not perform major radiological recovery efforts until an upgraded radiation safety program has been implemented.
- (3) The adequacy of the upgraded program be independently assessed prior to initiation of major recovery activities.

- (4) GPU/MET Ed provide a management plan and firm schedule for, as well as demonstrate sustained progress towards, its intended resolution of existing management and technical deficiencies in the radiation safety program.

Mr. Murphy said that a month after publication of the report (Dec. 1979), Met. Ed has reinforced its H.P. staff significantly, and has corrected many deficiencies. Some of these deficiencies have been known to I&E previously but no changes were made prior to the report.

3. 10 CFR 20 Task Force Report

(Mr. M. Parsont, originally scheduled to give a progress report on this task force, requested that such presentation be postponed until the next meeting. There has been a personnel change at the task force.)

(Formal part of the meeting was adjourned at 12:40 P.M. From 2:00 P.M. to 3:30 P.M., the Subcommittee met in open executive session to draft a letter on the proposed Emergency Planning Rule for the Site Evaluation Subcommittee, which met on the previous day and which consisted of the same members and consultants.)

A complete transcript of the meeting is on file at the NRC Public Document Room at 1717 H Street, N.W., Washington, D.C. or can be obtained from the International Verbatim Reporters, Inc., Suite 107, 449 South Capitol Street, S.W. Washington, D.C. 20002 (202-484-3550.)

LIST OF DOCUMENTS RECEIVED BEFORE AND DURING THE MEETING

(Copies of these were freely available before and during the meeting. For this reason, they are not attached to these minutes, but a copy of each has been filed in the ACRS office).

1. J. Cunningham, viewgraph and support documents.
2. T. Murphy, viewgraphs.
3. Memo, P. Tam to Subcommittee, "Status Report" for the meeting, April 1, 1980.
4. NUREG-0640, "Three Mile Island, Unit 2, Radiation Protection Program.
5. Memo, M. Parsont to P. Tam, "Background material on 10 CFR 20 Revision;" April 15, 1980.

NAC AAC will meet April 29-30, 1980, in Building 3 (Administration), Room 215, NASA Lewis Research Center, Cleveland, Ohio. The meeting will be open to the public but is limited to seating space available (approximately 60 persons including subcommittee members and participants).

The Subcommittee was established to assist the NASA in identifying specific needs and objectives for improving the operational effectiveness and safety of transport aircraft, which are dependent upon further research and technology investigations of related technical disciplines, and to advise the NASA on the appropriateness and adequacy of its current and planned programs in this area. The Chairperson is Mr. J. D. Smith and there are 17 members of the Subcommittee.

Agenda

April 28, 1980

- 8:30 a.m.—Introductory Remarks
- 9:00 a.m.—NASA Tire Research Program
- 9:30 a.m.—NASA Takeoff/Landing Loads Track Research
- 10:30 a.m.—NASA Runway Pavement Research
- 11:00 a.m.—NASA Cockpit Displays Research Experience
- 1:00 p.m.—NASA Review of Commercial Aircraft Fuel Savings
- 1:30 p.m.—NASA Fireworthiness Program
- 2:30 p.m.—NASA Icing Research
- 3:15 p.m.—Tour of NASA Lewis Research Center Icing Facilities

April 30, 1980

- 8:30 a.m.—NASA Transport Aircraft Crashworthiness
- 9:00 a.m.—Updates of Research Conducted at NASA Centers
- 10:00 a.m.—Committee Members Comments on Research
- 11:00 a.m.—Committee Discussion and Formulation of Recommendations
- 2:00 p.m.—Adjourn

For further information contact Mr. Lee D. Goolsby, Code RJT, NASA Headquarters, Washington, DC 20546. Telephone 202/755-3003.

Russel Ritchie,

Deputy Associate Administrator for External Relations.

April 1, 1980.

(FR Doc. 80-10474 Filed 4-7-80; 9:46 am)

BILLING CODE 7510-01-01

[Notice (80-24)]

NASA Advisory Council (NAC); Space Systems and Technology Advisory Committee (SSTAC); Meeting

The Informal Advisory Subcommittee on Materials and Structures of the NAC SSTAC will meet April 28 and 29, 1980, in Room 825 at NASA Headquarters, 600 Independence Avenue, S.W., Washington, DC. The meeting will be

open to the public up to the seating capacity of the room (approximately 50 persons, including the Subcommittee members and participants).

The Subcommittee was established to assess programs for (a) development of advanced materials and structures for space application, and (b) development of analytical methodology for future large space structural systems. The Subcommittee is to recommend program modifications, deletions, or changes in scope or emphases to support overall NASA future space systems technology objectives. The Chairperson is Dr. Bernard Budiansky. There are currently seven members on the Subcommittee. Following is the approved agenda for the meeting:

Agenda

April 28, 1980

- 8:30 a.m.—Introductory Remarks
- 9:00 a.m.—Large Space Structures Technology (LSST) Program Overview
- 10:00 a.m.—Review of LSST Focused Analytical Methodology Tasks
- 1:00 p.m.—Review of Base R&T Programs Applicable to LSST

April 29, 1980

- 8:30 a.m.—Committee Discussion
- 11:00 a.m.—Review of Advanced Materials Durability in Space Environment
- 1:00 p.m.—Committee Discussion

For further information please contact Dr. Leonard A. Harris, Executive Secretary of the Subcommittee, Code RTM-6, NASA Headquarters, Washington, DC 20546. Telephone 202/755-2364.

Russell Ritchie,

Deputy Associate Administrator for External Relations.

April 1, 1980.

(FR Doc. 80-10473 Filed 4-7-80; 9:46 am)

BILLING CODE 7510-01-01

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards; Subcommittee on Reactor Radiological Effects; Meeting

The ACRS Subcommittee on Reactor Radiological Effects will hold a meeting on April 23, 1980 in room 1046, 1717 H St. NW., Washington, DC 20555 to review the radiological protection programs at nuclear power plants. Notice of this meeting was published March 19, 1980.

In accordance with the procedures outlined in the Federal Register on Oct. 1, 1979, (44 FR 56408), 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 agenda for subject meeting shall be as follows:

Wednesday, April 23, 1980

8:30 a.m. until the conclusion of business.

The Subcommittee may meet in Executive Session, with any of its consultants who may be present, to explore and exchange their preliminary opinions regarding matters which should be considered during the meeting.

At the conclusion of the Executive Session, the Subcommittee will hear presentations by and hold discussions with representatives of the NRC Staff, the nuclear industry, various utilities, and their consultants, and other interested persons.

In addition, it may be necessary for the Subcommittee to hold one or more closed sessions for the purpose of exploring matters involving proprietary information. I have determined, 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 these sessions to protect proprietary information. See 5 U.S.C. 552b(c)(4).

Further information regarding 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 the cognizant Designated Federal Employee, Mr. Peter Tam (telephone 202/634-1413) between 8:15 a.m. and 5:00 p.m., EST.

Dated: April 2, 1980.

John C. Hoyla,

Advisory Committee Management Officer.

(FR Doc. 80-10475 Filed 4-7-80; 9:46 am)

BILLING CODE 7990-01-01

OFFICE OF MANAGEMENT AND BUDGET

Privacy Act; Reports of Agency Systems of Records

The purpose of this notice is to give members of the public an opportunity to comment on Federal agency proposals to establish or alter personal data systems subject to the Privacy Act of 1974.

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POOR ORIGINAL

APRIL 23, 1980 MEETING OF REACTOR RADIOLOGICAL EFFECTS
SUBCOMMITTEE

Attendees

ACRS

D. Moeller, Chairman
L. Lawroski
J. Ray
R. Foster, Consultant
A. Grendon "
J. Healy "
R. Wilson "
M. Steindler "
D. Orth "
P. Tam, FDE "

NRC

J. Cunningham, I&E
J. Sniezek I&E
T. Murphy, NPR
F. Rinaldi, DSS/SEB
C. Prichard, RES
J. S. Bland, OI&E

OTHERS

Linda Behrens, IVRT
R. J. Koss, Attorney
R. S. Boyd, KMC

ACRS REACTOR RADIOLOGICAL EFFECTS SUBCOMMITTEE MEETING
 April 23, 1980
 SCHEDULE (Revised April 21)

Executive Session

- 8:30 - 8:45 A.M. . Chairman's opening statement - (D. Moeller)
 . Discuss schedule change, if any
 . Comments by members and consultants

Discussion with NRC Staff

1. Radiological Safety Evaluations Program at Operating Reactors.
- 8:45 - 9:00 A.M. A. Purpose and bases of the program - (J. Cunningham)
 9:00 - 9:45 A.M. B. Methodology
 9:45 - 10:30 A.M. C. Findings (Preliminary)
- 10:30 - 10:40 A.M. ***** BREAK *****
- 10:40 - 12:00 2. TMI-2 Radiological Protection Program - NUREG-0640
 (T. Murphy)
- 12:00 - 1:00 P.M. ***** LUNCH *****

Executive Session

- 1:00 - 2:00 P.M. . Additional comments on above topics
 . Future meeting dates - The Subcommittee would meet to review the NRC research budget on reactor environmental effects.