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MINUTES OF THE WASTE MANAGEMENT SUBCOMMITTEE AND
FUEL CYCLE SUBCOMMITTEE JOINT MEETING
JUNE 26 & 27, 1980
WASHINGTON, DC

ACRS-1761
Issue Date: 7/14/80
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The Subcommittees met jointly on June 26 & 27, 1980 at 1717 H St., NW Washington, DC. The main purposes of the meeting were to review pertinent portions of the proposed 1982 safety research budget. Notice of the meeting was published in the Federal Register on June 11, 1980. Copies of the notice, meeting attendees list, and meeting schedule are included as Attachments 1, 2, and 3, respectively. No written statement and no request for time to make oral comments were received from members of the public.

EXECUTIVE SESSION

Mr. S. Lawroski, Subcommittee chairman, convened the meeting at 1:00 p.m. and introduced the ACRS members (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 made no additional comments at this point and the meeting proceeded as scheduled.

DISCUSSION WITH THE NRC STAFF

The following is a record of significant points raised by the Subcommittees and the Staff during a project-by-project review. If a FIN number is given, the point(s) refers to the particular project as listed in the Description of Research Projects (a document provided by the Research staff).

I. High-Level Waste

- The Staff said that the NRC waste management research is very general, and results can usually be applied to all waste forms and sites.
- (B6352) The Staff said that DOE would not be interested in developing techniques to measure leach rates. NRC, on the other hand, would be interested in evaluating various techniques since one of the performance criteria required by 10 CFR 60 is low leach rates.

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- The NRC research projects do not involve mining of underground cavities, due to the high cost of such operations; existing sites or mines are being used instead.
- Geologists working in waste management have to be trained to think differently from what other geologists do: the former have to think in terms of avoidance of minerals and underground water, whereas the latter searches for such.
- The regulatory staff (NMSS) supports strong increase of research personnel.
- The staff assured the Subcommittees that there is a strong linkage between research and regulatory development.
- The research staff said that the Commission may be forced to cut LLW research due to an overall research budget cut. The regulatory staff said that it opposes any cut in LLW and U-tailings research.
- The Subcommittee suggested that the Staff should obtain the advice of outside advisory groups on its research projects.
- (B6627, B6664, and B7401) In mining, one does not worry a lot about damaging surrounding rocks; the purpose is just to get useful minerals out. But in excavation for waste storage, one has to exercise great care not to cause damage. These projects illustrate such emphasis.
- (B7404, B7063, B7401, and B6673) The regulatory staff suggests budgets for these should be reduced.

II. Low-Level Waste (LLW)

- (B7065) TMI-2 EPICOR waste is treated as LLW, according to NMSS. When properly solidified, it can be shipped to Hanford for storage.

- Mr. Moeller suggested that the Staff advocate preferred ways for LLW solidification.
- Some nuclear plants generate more waste than others. Proper administrative procedures would enable drastic cuts in LLW volumes. The Subcommittee recommended that the Staff poll all nuclear plants to find out what volume of LLW generated per MWt. Plants that generate too much LLW should be told to improve.

III. U-Mill Tailings

- Mining companies, whose prime objective is to obtain the uranium from the ore, have traditionally lacked motivation to properly treat mill tailings.
- (B7414 and B7420) Every country, except the US, require tailings neutralization as a major step in treatment.
- The regulatory staff said that logic would dictate that mill tailings should get the most attention, but public fear has required HLW research to get the highest priority.

IV. Fuel Cycle

- (B7043) The Subcommittees questioned how the Staff proposes to "develop" decontamination alternatives for nuclear plants with such small amount as \$0.2M. No explanation was offered by the Staff.
- The Subcommittees noted that the Staff has made large improvement in the goals, objective, and management of waste management and fuel cycle research.
- The Staff has written a letter (copy provided) to all medical and academic licensees advising them of the use of temporary storage and subsequent disposal as non-radwaste as an acceptable means for waste treatment.

The meeting was adjourned at 1:30 p.m. on June 27, 1980.

NOTE: For additional details, a complete transcript of the meeting is available in the NRC Public Document Room, 1717 H St., NW, Washington, DC 20555 or from Alderson Reporters, 300 7th St., SW, Washington, DC, (202-554-2345).

Management Officer, National Endowment for the Arts, Washington, D.C. 20506, or call (202) 634-6070.

Dated: May 30, 1980.

John H. Clark,

Director, Office of Council and Panel Operations, National Endowment for the Arts.

(FR Doc. 80-17522 Filed 6-10-80; 8:46 am)

BILLING CODE 7537-01-00

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards Subcommittee on Safeguards and Security; Meeting

The ACRS Subcommittee on Safeguards and Security will hold a meeting on June 26, 1980 in Room 1107, 1717 H Street, NW, Washington, DC 20555. Notice of this meeting was published May 15, 1980.

In accordance with the procedures outlined in the Federal Register on October 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:

Thursday, June 26, 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, their consultants and other interested persons regarding pertinent portions of the NRC research program for the ACRS annual reports to NRC and Congress, recently completed NRC studies relating to reactor plant design to reduce vulnerability to sabotage, code development related to spent fuel storage pool consequence estimates from sabotage, and recent events relating to plant security.

The ACRS is required by Section 5 of the 1978 NRC Authorization Act to review the NRC 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. 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 regarding plant security. 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 and to protect proprietary information regarding plant security. See 5 U.S.C. 552b(c)(9)(B) and 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. Richard K. Major (telephone 202/634-1414) between 8:15 a.m. and 5 p.m., EDT.

Dated: June 5, 1980.

John C. Hoyle,

Advisory Committee Management Officer.

(FR Doc. 80-17521 Filed 6-10-80; 8:46 am)

BILLING CODE 7590-01-00

Advisory Committee on Reactor Safeguards Subcommittee on Waste Management and Fuel Cycle; Meeting

The ACRS Subcommittees on Waste Management and Fuel Cycle will hold a joint meeting on June 26-27, 1980 in Room 1046, 1717 H Street, NW, Washington, DC 20555. Notice of this meeting was published May 15, 1980.

In accordance with the procedures outlined in the Federal Register on October 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:

Thursday, June 26, and Friday, June 27, 1980: 8:30 a.m. until the conclusion of business each day.

The Subcommittees may meet in Executive Session, with any of their 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 Subcommittees will hear presentations by and hold discussions with representatives of the NRC Staff, their consultants and other interested persons regarding pertinent portions of the NRC research program for the ACRS annual report to NRC and Congress.

The ACRS is required by Section 5 of the 1978 NRC Authorization Act to review the NRC 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. See 5 U.S.C. 552b(c)(9)(B).

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., EDT.

Dated: June 5, 1980.

John C. Hoyle,

Advisory Committee Management Officer.

(FR Doc. 80-17522 Filed 6-10-80; 8:46 am)

BILLING CODE 7590-01-00

OFFICE OF MANAGEMENT AND BUDGET

Mandatory Information Requirements for Federal Assistance Program Announcements

AGENCY: Office of Management and Budget, Executive Office of the President.

ACTION: Notice of information requirements for program announcements.

POOR ORIGINAL

WASTE MANAGEMENT AND FUEL CYCLE SUBCOMMITTEE MEETING
WASHINGTON, DC
JUNE 26 & 27, 1980

ATTENDEE LIST

ACRS

S. Lawroski, Chairman for both Committees
D. Moeller, Member
W. Kerr, Member
J. Mark, Member
P. Tam, Designated Federal Employee

OTHER

S. A. Sterling, General Atomic Co.
C. Newton, DOE*

NRC

K. S. Kim, RES
S. A. Bellmund, RES
J. J. Davis, RES
E. E. Held, RES
F. J. Arsenault, RES
J. Martin, NMSS
L. Doyle, RES
M. Bell, NMSS
M. Kearney, NMSS
M. C. Cullingford, PAS/RES
K. Benson, PAS/RES
E. Regnier, NMSS
R. Boyle, NMSS
D. Kathbern, OPE
J. Davis, SAFER
S. Bassett, SAFER
Dan E. Martin, NMSS/WMUR
L. J. Miller, NMSS/WMUR
R. D. Smith, NMSS
J. Durst, SAFER
D. Solberg, SAFER
J. Foulkes, SAFER
R. L. Stevenson, NMSS
J. Kastner, SAFER/RES
W. R. Laws, RES/SAFER

* C. Newton was permitted by the Chairman to attend the closed session of the meeting, with consent of the NRC staff.

ACRS JOINT SUBCOMMITTEE MEETING ON FUEL CYCLE AND WASTE MANAGEMENT
JUNE 26 & 27, 1980
WASHINGTON, DC

SCHEDULE

JUNE 26, 1980

APPROXIMATE TIME

EXECUTIVE SESSION

1:00 p.m. - 1:15 p.m.

- o Chairman's Opening Statement
- o Change of Schedule
- o Preliminary Comments

DISCUSSION WITH THE NRC STAFF - F. Arsenault, J. Davis, and M. Cullingford

- a. High-level waste
(20 mins.)*

1:15 p.m. - 2:45 p.m.

***** BREAK *****

2:45 p.m. - 3:00 p.m.

- b. Low-level waste
(20 mins.)*

3:00 p.m. - 4:15 p.m.

- c. Uranium recovery
(20 mins.)*

4:15 p.m. - 5:15 p.m.

- d. Fuel cycle risk assessment
(10 mins.)*

5:15 p.m. - 5:45 p.m.

(Meeting recessed, to be reconvened at 8:30 a.m. on the following day.)

* Time needed, as indicated by the speakers, for uninterrupted presentation.

PROPOSED SCHEDULE (Cont'd)

June 27, 1980

APPROXIMATE TIME

EXECUTIVE SESSION

8:30 a.m. - 8:45 a.m.

DISCUSSION WITH NRC STAFF

8:45 a.m. - 10:30 a.m.

The Staff will make presentations on the following SAFER decision units. The actual presentations may not be made as outlined, therefore, no specific presentation durations have been indicated.

Speakers: F. Arsenault and J. Davis
(1 hour)

- Fission product release and transport
- Fuel cycle facility safety
- Decommissioning
- Transportation
- Effluent control
- Product safety
- Occupational protection

***** BREAK *****

10:30 a.m. - 10:45 a.m.

Continue the above

10:45 a.m. - 12:30 p.m.

***** LUNCH *****

12:30 p.m. - 1:30 p.m.

EXECUTIVE SESSION

1:30 p.m. - 3:30 p.m.

- Draft of pertinent portions of the ACRS Research Report

LIST OF DOCUMENTS RECEIVED PRIOR TO DURING MEETING

- *1. Memo, Tam to Lawroski, et al., "Status Report," June 12, 1980
- 2. Letter, Martin to all medical and academic licensees, June 23, 1980
- *3. Description of research projects ("decision units")
- 4. Viewgraphs used by D. Solberg
- 5. Viewgraphs used by F. Arsenault

- * Indicates that the item is for official ACRS use only. Not available to the public during the meeting and not to be released after the meeting unless clearance is granted by the ACRS Office.