



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON NUCLEAR WASTE  
WASHINGTON, D.C. 20555

ACNWS-0018  
PDR 6/27/90

April 9, 1990

The Honorable Kenneth M. Carr  
Chairman  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Chairman Carr:

SUBJECT: SUMMARY REPORT - EIGHTEENTH MEETING OF THE ADVISORY  
COMMITTEE ON NUCLEAR WASTE, MARCH 22-23, 1990

During its 18th meeting, March 22-23, 1990, the Committee completed  
the activities noted below.

1. International Programs Related to Radioactive Waste Management

The Committee was briefed by the NRC staff on international  
programs related to radioactive waste management. The  
briefing covered the status of bilateral information exchange  
agreements, multinational cooperative study programs, and  
foreign practices and plans for radioactive waste disposal.  
This briefing was for information only. No Committee action  
was taken.

2. Low-Level Waste Activities of the Illinois Department of  
Nuclear Safety (IDNS)

The Committee was briefed by a representative of the Illinois  
Department of Nuclear Safety on the Illinois low-level waste  
management program relevant to compliance with the Low-Level  
Radioactive Waste Policy Amendments Act. This briefing was  
for information only. No Committee action was taken.

3. EPA's Proposed Revisions in the Environmental Radiation  
Protection Standards for the Management and Disposal of Spent  
Nuclear Fuel, High-Level and Transuranic Radioactive Wastes

The Committee was briefed by representatives from the  
Environmental Protection Agency, Science Advisory Board (EPA),  
Nuclear Waste Technical Review Board, Board on Radioactive  
Waste Management (NAS-NRC), Advisory Committee on Nuclear  
Facility Safety (DOE), U.S. General Accounting Office, and New  
Mexico's Environmental Evaluation Group, on EPA's proposed  
revisions to these standards.

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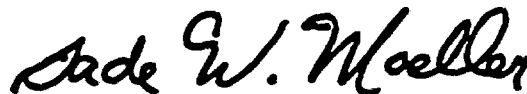
Dr. Moeller stated that the information presented will be considered by the Committee. The Members will continue their deliberations on this subject during the next meeting.

4. Status of Independent On-Site Fuel Storage Facilities  
The Committee requested a briefing on the status of on-site storage facilities, including the recently approved facility at Oconee and two other stations that have received approval for such facilities.
5. Center for Nuclear Waste Regulatory Analyses (CNWRA)  
Dr. Hinze recommended that the Committee review the technical assistance and research being provided to NRC by CNWRA. Dr. Hinze also recommended that the Committee should be briefed on the recently completed CNWRA reports on the program architecture regarding 10 CFR Part 60.
6. Decommissioning Activities at the Hanford Site  
Dr. Moeller recommended that it would benefit the Committee to have a briefing on the decommissioning project for the reactors at Hanford.
7. Licensing Support System  
Dr. Moeller recommended that the Committee receive a briefing on the latest status of the Licensing Support System.

#### FUTURE ACTIVITIES

Appendix A summarizes the tentative agenda items that were proposed for future meetings of the Committee.

Sincerely,



Dade W. Moeller  
Chairman

APPENDIX A. FUTURE AGENDA

April 26-27, 1990 (Tentative Agenda)

Yucca Mountain Quaternary Regional Hydrology Study Plan (Open) - The Committee will review and comment on the DOE Study Plan for the Characterization of the Yucca Mountain Quaternary Regional Hydrology.

Results of Waste Confidence, Review Group (Open) - The Committee will be briefed on the final review report including the disposition of public comments. This briefing, which the NRC staff offered to present, will provide an opportunity for additional input from the Committee. Copies of the report are expected to be provided to the Committee by the end of March 1990.

BEIR V Report (Open) - The Committee will be briefed on the BEIR V Report, "Health Effects of Exposure to Low-Levels of Ionizing Radiation".

EPA's Proposed Revisions of the Environmental Radiation Protection Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radiation Wastes (Open) - The Committee will continue deliberation and comment preparation.

Appointment of New Members (Closed) - The Committee will discuss the qualifications of candidates proposed for nomination to the ACNW.

Committee Activities (Open) - The Committee will prepare a report for the Commission on their program plan for the next four months. The Committee will also discuss anticipated and proposed Committee activities, future meeting agenda, and organizational matters, as appropriate.

May 23-24, 1990 (Tentative Agenda)

The ACNW Members have been invited to participate in a meeting of the National Academy of Sciences Board on Radioactive Waste Management. The meeting will be devoted to a discussion and review of the EPA Standard 40 CFR 191, "Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes".

May 25, 1990 (Tentative Agenda)

Pathfinder Atomic Power Plant Dismantlement (Open) - The Committee will be briefed on the related dismantlement Safety Evaluation Report prepared by the NRC staff. Comments are requested.

Technical Position on Soil Erosion (Open) - The Committee will review and comment on the final Technical Position on the Design of Erosion Protection Covers for Stabilization of Uranium Mill Tailing Sites. The NRC staff hopes to complete this Technical Position by the end of April 1990.

Committee Activities (Open) - The Committee will discuss anticipated and proposed Committee activities, future meeting agenda, and organizational matters, as appropriate.

June 28-29, 1990 (Tentative Agenda)

Technical Position on Seismic Hazards (Open) - The Committee will be briefed by the NRC staff on the draft Technical Position on Methods of Evaluating the Seismic Hazard at a Geological Repository, including the concept of the 10,000 year cumulative slip earthquake. This review has been requested by the NRC staff.

Technical Position on Stabilization/Waste Forms (Open) - The Committee will be briefed by the NRC staff and will prepare comments on modifications to the Technical Position on LLW Stabilization/Waste Forms.

NRC Research Program (Open) - The Committee will discuss the NRC research program on the management and disposal of radioactive wastes with Dr. Neil E. Todreas, Chairman, NRC's Nuclear Safety Research Review Committee.

Rulemaking on LLW Shipment Manifest System (Open) - The Committee will review and comment on the proposed rulemaking on the LLW Shipment Manifest System. The NRC staff hopes to complete this report by May 31, 1990.

High-Level Waste Research Program Plan Update (Open) - The Committee will be briefed on the updated draft HLW Research Program Plan. A copy of the draft updated plan is scheduled to be provided to the Committee in May 1990.

Low-Level Waste Research Program Plan Update (Open) - The Committee will be briefed on the updated draft LLW Research Program Plan. A copy of the draft updated plan is scheduled to be provided to the Committee in May 1990.

Status of Proactive Work (Open) - The Committee will be briefed by the NRC staff on the status of proactive work (technical positions and rules) in the Division of HLWM and on NRC programmatic response to changes in the DOE program.

Oconee Fuel Storage Facility (Open) - The Committee will be briefed on the independent on-site fuel storage facility at the Oconee Nuclear Station site.

Committee Activities (Open) - The Committee will discuss anticipated and proposed Committee activities, future meeting agenda, and organizational matters, as appropriate.