



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

ACNWS-0013
PDR 3/22/90

October 3, 1989

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

Dear Chairman Carr:

SUBJECT: THIRTEENTH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE,
SEPTEMBER 13-15, 1989

The Advisory Committee on Nuclear Waste (ACNW) held its 13th meeting in Bethesda, Maryland, on September 13-15, 1989. A summary of actions is presented below.

REPORTS, LETTERS, AND MEMORANDA

1. Comments on Technical Position Paper on Environmental Monitoring of Low-Level Radioactive Waste Disposal Facilities (Letter to Chairman Carr dated September 19, 1989).
2. Division of Responsibilities Between the ACNW and the ACRS (Letter to Chairman Carr dated September 19, 1989).

OTHER ACTIONS, AGREEMENTS, ASSIGNMENTS AND REQUESTS

3. Approach to Performance Assessment for the High-Level Waste Repository

The Committee was briefed by Robert Browning, Director, Division of High Level Waste Management, NMSS, on the status of Performance Assessment activities and on the Memorandum of Understanding between the Offices of Nuclear Regulatory Research and Nuclear Material Safety and Safeguards. This briefing was for information only. No Committee action was taken.

4. Nuclear Safety Research Review Committee

The Committee was briefed by Eric Beckjord, Director, RES, on the function and activities of the Nuclear Safety Research Review Committee. This briefing was for information only. No Committee action was taken.

DESIGNATED ORIGINAL

Certified By

EMB

9003270009 891003
PDR AIVCM NACNUCLE
S-0013 PDC

*RSOJ
111*

5. Pathfinder Reactor Dismantlement Plan

The Committee was briefed by the NRC staff on the review of the Dismantlement Plan for the Northern States Power Company Pathfinder Facility. It is the first power reactor dismantlement to be reviewed under an NRC license. Committee members provided preliminary oral comments to the NRC staff.

6. Draft Technical Position on Tectonic Models

The draft Technical Position on Tectonic Models for the Assessment of Performance of High-Level Radioactive Waste Repositories was discussed with the NRC staff. Discussion will continue at a Working Group Meeting on October 10, 1989.

7. Technical Position on Erosion Protection

Due to insufficient time for an adequate presentation and review, the Committee agreed to defer this topic until the October meeting.

8. USGS Comments on Gathering and Dissemination of Data

The Committee was briefed by representatives of DOE and USGS on the control and distribution of technical data on the Yucca Mountain site characterization program. This briefing was for information only. No Committee action was taken.

9. Concrete Bunker SAR Prototype

The Committee was briefed by the NRC Staff on the review of DOE's Prototype License Application Safety Analysis Report (PLASAR). This briefing was for information only. No Committee action was taken.

10. DOE Program to Store and Dispose of Greater-Than-Class C Wastes

The Committee was briefed by the DOE Staff on the DOE program to store and dispose of Greater-Than-Class C Wastes. This briefing was for information only. No Committee action was taken.

11. Center for Nuclear Waste Regulatory Analyses (CNWRA)

In preparation for the site visit on November 30, 1989, the Committee was briefed on the CNWRA development and recent activities. This briefing was for information only. No Committee action was taken.

12. Election of 1990 ACNW Officers

The Committee reelected Dr. Dade W. Moeller to be ACNW Chairman and elected Dr. Martin Steindler ACNW Vice Chairman. Both are to serve for calendar year 1990.

13. ACNW Meeting Dates for Calendar Year 1990

The Committee agreed to hold approximately eight meetings during 1990. The following twelve tentative meeting dates were established for Committee selection on an as-needed basis.

January 24-26, 1990	Wednesday, Thursday, and Friday
February 21-23, 1990	Wednesday, Thursday, and Friday
March 21-23, 1990	Wednesday, Thursday, and Friday
April 26-27, 1990	Thursday and Friday
May 23-25, 1990	Wednesday, Thursday, and Friday
June 28-29, 1990	Thursday and Friday
July 30-31, 1990	Monday and Tuesday
August 29-31, 1990	Wednesday, Thursday, and Friday
September 27-28, 1990	Thursday and Friday
October 24-26, 1990	Wednesday, Thursday, and Friday
November 26-27, 1990	Monday and Tuesday
December 19-21, 1990	Wednesday, Thursday, and Friday

SITE VISITS

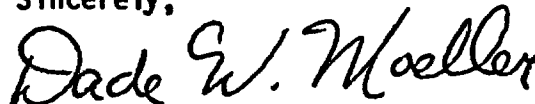
The Committee's site visit to the West Valley Project has been scheduled for Thursday, October 26, 1989.

The Committee's site visit to the Center for Nuclear Waste Regulatory Analyses has been scheduled for Thursday, November 30, 1989.

FUTURE ACTIVITIES

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

Sincerely,



Dade W. Moeller
Chairman

APPENDIX A
FUTURE AGENDA

14th ACNW Meeting on October 11-13, 1989 (tentative agenda)

Anticipated and Unanticipated Processes and Events (Open) - The Committee will review the rule being prepared by the NRC staff concerning the considerations of anticipated and unanticipated processes and events for the proposed high-level radioactive waste repository.

IAEA Safety Principles and Technical Criterion (Open) - The Committee will be briefed on "IAEA Safety Principles and Technical Criterion for the Underground Disposal of High-Level Radioactive Wastes", and the NRC staff position paper on this standard.

High-Level Waste Repository Program (Open) - The Committee will be briefed by representatives of EPRI on their views of the high-level waste repository program.

EPA's Standard on Environmental Radiation Protection (Open) - The Committee will be briefed by the EPA staff on the status of the remanded standard, 40 CFR 191 Subpart B.

LLW Manifest (Open) - The Committee will be briefed on the NRC staff position and draft proposed rule for LLW manifests.

Mixed Wastes (Open) - The Committee will be briefed on the current status of the criteria for treatment, storage and disposal of mixed radioactive and hazardous wastes.

Earthquake Hazards (Open) - The Committee will be briefed by the NRC staff on the Branch Technical Position on earthquake hazards.

Erosion Protection Covers (Open) - The Committee will be briefed by the NRC staff on the Branch Technical Position on the "Design of Erosion Protection Covers for Stabilization of Uranium Mill Tailings Sites".

ACNW Working Group Meeting Report (Open) - The Committee will be briefed by the ACNW Working Group on the topics covered during the October 10, 1989, meeting. Possible topics include: Technical Position of Tectonic Models, exploration of issues involving volcanism, and DOE's geophysical program.

Waste Acceptance Process (Open) - The Committee will be briefed by the NRC staff on the status of the waste acceptance criteria with respect to DOE's defense and West Valley projects.

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

January 24-26, 1990 (tentative agenda)

DOE Site Characterization Plan (Open) - The Committee will be briefed on the semiannual update to the DOE Site Characterization Plan.

International Programs on Waste Disposal (Open) - The Committee will meet with Mr. Harold Denton to discuss international programs on waste disposal.

Meeting with Director of Office of Nuclear Reactor Regulation (NRR) (Open) - The Committee will be briefed by NRR on the licensing program for LLW handling systems, fuel compaction, decontamination and decommissioning. The Committee will discuss any crossover issues with representatives of NMSS and the EDO.

Status of NRC/DOE Interactions on DOE Quality Assurance (Open)

American Society for Testing Materials (Open) - The Committee will be briefed on the radioactive waste activities of ASTM.

LLW Performance Assessment Methodology (Open) - The Committee will be briefed by the NRC staff on LLW Performance Assessment Methodology.

Definition of Substantially Complete Containment (Open) - The Committee will be briefed by the NRC staff on the Substantially Complete Containment Definition.