

April 18, 1991

IN RESPONSE, PLEASE
REFER TO: M910322

MEMORANDUM FOR: James M. Taylor
Executive Director for Operations

Dade W. Moeller, Chairman
Advisory Committee on Nuclear Waste

FROM: Samuel J. Chilk, Secretary /S/

SUBJECT: STAFF REQUIREMENTS - PERIODIC MEETING WITH
ADVISORY COMMITTEE ON NUCLEAR WASTE (ACNW),
2:00 P.M., FRIDAY, MARCH 22, 1991,
COMMISSIONERS' CONFERENCE ROOM, ONE WHITE
FLINT NORTH, ROCKVILLE, MARYLAND (OPEN TO
PUBLIC ATTENDANCE)

The Commission met with the Advisory Committee on Nuclear Waste (ACNW) to discuss nuclear waste related issues which included:

1. regulation of mixed wastes;
2. subsystem requirements of 10 CFR 60.113;
3. guidance on limits on doses and risks to individual members of the population; and
4. stringency of the EPA high-level waste repository standards.

The ACNW reported that they had begun to gather technical information on the need for revision to 10 CFR Part 61, as requested in the Staff Requirements Memorandum dated December 31, 1990. The Commission concurred in the ACNW request that the due date be postponed until they can comprehensively study the need for inclusion of specific groundwater protection requirements in 10 CFR Part 61 and report back to the Commission.

(ACNW)

(SECY Suspense: 6/28/91)

The staff should provide the Commission an analysis of the benefits and limitations of using collective dose and individual dose approaches as the basis for establishing standards for the HLW repository. The analysis should consider uncertainties associated with both types of dose estimates, the assumptions needed, and the manner in which collective doses might be truncated. The analysis should also consider the extent to which regulatory uncertainties associated with the dose estimates can be reduced through rulemaking, thus reducing the potential

complexity of licensing. The analysis should summarize the approaches that have been adopted by other countries. The paper transmitting the analysis to the Commission should include the ACNW's comments on the analysis.

(EDO/ACNW)

(SECY Suspense: 9/20/91)

The Commission also urges the staff to be vigilant in identifying any safety concerns which result from mixed waste management under the current dual regulatory structure.

With respect to the Committee's review of the stringency of EPA's HLW repository standards, Chairman Carr urged the ACNW to focus on the NRC's ability to implement the EPA standards rather than whether the standards are achievable at a given site.

cc: Chairman Carr
Commissioner Rogers
Commissioner Curtiss
Commissioner Remick
OGC
GPA
ACRS
PDR - Advance
DCS - P1-24