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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUN 11 1979

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Docket No. 70-1257
M-3 Project

MEMORANDUM FOR: Leland C. Rouse, Acting Chief
Fuel Reprocessing and Recycle Branch

FROM: J. E. Ayer
Fuel Reprocessing and Recycle Branch

W. Burkhardt
Fuel Reprocessing and Recycle Branch

SUBJECT: RESPONSE OF STRUCTURES TO SEISMIC HAZARD AT
THE EXXON NUCLEAR MIXED OXIDE PLANT AT
RICHLAND, WASHINGTON

The purpose of this memorandum is to recommend endorsement of the attached review as a staff position and a basis for succeeding increments of the analysis of the effects of natural phenomena upon existing plutonium fabrication facilities. A draft of the subject report has been reviewed by D. L. Bernreuter, Lawrence Livermore Laboratory; Dr. J. R. McDonald, Texas Tech University; Dr. W. J. Hall and Dr. Nathan M. Newmark, Nathan M. Newmark Associates; J. Mishima, Battelle Northwest Laboratory; and J. E. Ayer, W. Burkhardt, and Dr. W. E. Vesely, NRC. The final report incorporates the results of that review.

We recommend that this review including its summary and conclusions be adopted as a staff position subject to your approval. Subsequent to your approval we will make copies available to the public and to Westinghouse in accordance with review and documentation procedures agreed upon and described in our February 10, 1977 memorandum to R. M. Bernero.

James E. Ayer

J. E. Ayer
Fuel Reprocessing and Recycle Branch
Division of Fuel Cycle and Material Safety

W. Burkhardt

W. Burkhardt
Fuel Reprocessing and Recycle Branch
Division of Fuel Cycle and Material Safety

Approved by *Leland C. Rouse 6-8-79*
Leland C. Rouse, Acting Chief
Fuel Reprocessing and Recycle Branch

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Enclosure:
Structural Condition Documentation
and Structural Capacity Evaluation
of the Exxon Nuclear Company
Mixed Oxide Fuel Fabrication Plant
at Richland, Washington for
Earthquake and Flood, Task II -
Structural Capacity Evaluation -
Vol. I Seismic Evaluation

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