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 AUTH. NAME AUTHOR AFFILIATION
 COPELAND, R.A. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.)
 RECIP. NAME RECIPIENT AFFILIATION
 THOMAS, C.O. Standardization & Special Projects Branch

SUBJECT: Requests expedited review of creep collapse criteria presented in XN-NF-82-06(P) "Qualification of Exxon Nuclear Fuel for Extended Burnup." To support Cycle 5 operation, approval of creep collapse by 831231 requested.

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EXXON NUCLEAR COMPANY, Inc.

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Dave

September 16, 1983

RAC:059:83

Dr. C. O. Thomas, Chief
Standardization & Special Projects Branch
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, MD 20014

SUBJECT: XN-NF-82-06(P), "QUALIFICATION OF EXXON NUCLEAR FUEL FOR
EXTENDED BURNUP"

Dear Dr. Thomas:

This letter requests an expedited review of the creep collapse criteria presented in the subject report. Included in this report, which was submitted in 1982 to support higher fuel exposure limits, a revised creep collapse criterion was proposed in Sections 4.3.3.6, 4.5.1, and 4.5.5. These sections included practical data to support the proposed criterion. Other design and performance considerations addressed in the subject report are unrelated to the creep collapse criterion application.

We are requesting this expedited review because this criterion is being applied to support near term reactor operation. In particular, the Safety Evaluation Report issued by the Staff for Cycle 4 operation of D.C. Cook Unit 2 required that prior to the authorization of Cycle 5 operation, the licensee had to reaffirm, with an approved model, that creep collapse will not occur in ENC 17x17 fuel operated to the targeted burnup. To support D.C. Cook Unit 2 Cycle 5 operation we request your review and approval of the proposed creep collapse criterion by December 31, 1983.

If there are questions, or if I can be of further help, please contact me.

Sincerely,

R. A. Copeland

R. A. Copeland
Reload Fuel Licensing

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PDR ADOCK 05000316
P PDR

RAC:naa

cc: Mr. D. Moran (NRC)
Dr. R. O. Meyer (NRC)

AN AFFILIATE OF EXXON CORPORATION

ADD: D. MORAN
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