Docket No. 50-285

Mr. W. C. Jones Division Manager, Production Operations Omaha Public Power District 1623 Harney Street Omaha, Nebraska 68102

Dear Mr. Jones:

8405300736 840511 PDR ADOCK 0500028

SUBJECT: RELOAD CORE ANALYSIS METHODOLOGY REPORTS

By letter dated September 26, 1983 as supplemented by letters dated January 31, 1984 and February 8, 1984, you submitted three reports on the above subject. The first report (OPPD-NA-8301-P) was entitled "Reload Core Analysis Methodology Overview." The second report (OPPD-NA-8302-P) was entitled "Neutrons Design Methods and Verification." The third report (OPPD-NA-8303-P) was entitled "Transient and Accident Methods and Verification."

We have completed our review of the above reports. Regarding OPPD-NA-8301-P, we conclude that it presents an acceptable overview of the analysis which is performed by either OPPD or by its fuel vendors, Combustion Engineering or Exxon Nuclear Company, to license reload cores for the Fort Calhoun Station. Regarding OPPD-NA-8302-P, we conclude that OPPD can perform in an acceptable manner the neutronic analyses required for calculating the physics parameters for a PWR reload cycle. Regarding OPPD-NA-8303-P, we conclude that OPPD has demonstrated its ability to correctly analyze transients and accidents using CE codes and methods for Fort Calhoun reload core analyses. Therefore, it is acceptable that OPPD perform the transient and accident analysis for Fort Calhoun reloads using the documented CE computer codes and methodology except the LOCA analysis which will be performed by the fuel vendor. We note that the CESEC III code which OPPD used in the simulation of plant response

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to non-LOCA initiating events has not been generically approved for all CE plants including Fort Calhoun. We request that OPPD submit the topical report of the CESEC-III code for staff review. Our safety evaluation is enclosed.

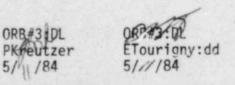
Sincerely,

Original signed by:

James R. Miller, Chief Operating Reactors Branch #3 Division of Licensing

Enclosure: As stated

cc w/enclosure See next page



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## Omaha Public Power District

## cc:

Harry H. Voigt, Esquire LeBoeuf, 1 mb, Leiby & MacRae 1333 New Hampshire Avenue, NW Washington, DC 20036

Mr. Jack Jensen Chairman, Washington County Board of Supervisors Blair, Nebraska 68023

U.S. Environmental Protection Agency Revion VII ATTN: Regional Radiation Representative 324 East 11th Street Kansas City, Missouri 64106

Metropolitan Planning Agency ATTN: Dagnia Prieditis 7000 West Center Road Omaha, Nebraska 68107

Mr. Larry Yandell U.S. NRC Resident Inspector Post Office Box 309 Fort Calhount, Nebraska 68023

Mr. Charles B. Brinkman Manager - Washington Nuclear Operations C-E Power Systems Combustion Engineering, Inc. 7910 Woodmont Avenue Bethesda, Maryland 20014

Regional Administrator Nuclear Regulatory Commission Region IV Office of Executive Director for Operations 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76011