

MAY 11 1984

DCS MS-016

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:

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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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Mr. W. C. Jones

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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

ORB#3:DL
PKreutzer
5/11/84

ORB#3:DL
ETourigny:dd
5/11/84

ORB#3:DL
JRMiller
5/11/84

Omaha Public Power District

cc:

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