

**Omaha Public Power District**  
1623 Harney Omaha, Nebraska 68102  
402/536-4000

September 26, 1983  
LIC-83-246

Mr. James R. Miller, Chief  
U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Division of Licensing  
Operating Reactors Branch No. 3  
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Miller:

**Submittal of Reload Core  
Analysis Methodology Reports**

The Cycle 8 Safety Evaluation Report (SER) requested that the District submit methodology reports to support the District's use of safety analysis computer codes in the support of reload licensing actions. The District's letter of July 28, 1983 provided a schedule for submitting these reports to support our licensing actions related to the Cycle 9 reload. Your letter of August 29, 1983 provided acceptance of this schedule. This letter transmits the District's reload core methodology reports.

The District's reload core analysis methodology is documented in three reports. The Reload Core Analysis Methodology Overview Report (OPPD-NA-8301-P) provides an overview of the various analyses currently used by the District to support reload core licensing. Analyses performed by the District and analyses performed by consultants and vendors for the District are identified and discussed. Also included in this report is documentation related to the District's thermal hydraulic analysis methodology, which was previously transmitted as a part of the Cycle 8 submittal and was approved in the Cycle 8 SER. The Neutronics Design Methods and Verification Report (OPPD-NA-8302-P) discusses the District's neutronics design methods, their application to the Fort Calhoun Station, their use in reload core analysis, and the verification of these methods. The Transient

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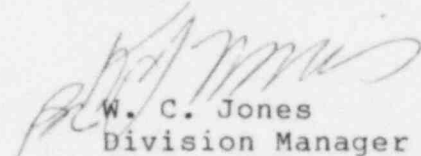
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and Accident Methods and Verification Report (OPPD-NA-8303-P) discusses the District's transient and accident analysis methodology, identification of USAR, Chapter 14, events considered in a reload analysis, the application of these methods to those events in a reload analysis, and the verification of the District's NSSS simulation computer code.

Enclosed are the necessary proprietary and non-proprietary versions of these reports. These methods are currently being utilized to prepare the District's Cycle 9 reload core submittal pursuant to our letter of July 28, 1983.

Please note that pursuant to 10 CFR 2.790(b)(1), certain portions of the attached information has been deemed trade secrets and/or privileged commercial information by Combustion Engineering, Inc. (CE) and Exxon Nuclear Company, Inc. (ENC). Accordingly, please find attached the District's application for withholding this information from public disclosure.

Sincerely,



W. C. Jones  
Division Manager  
Production Operations

WCJ/JKG:jmm

Enclosures

cc: LeBoeuf, Lamb, Leiby & MacRae  
1333 New Hampshire Avenue, N.W.  
Washington, D.C. 20036

Mr. E. G. Tourigry, Project Manager  
Mr. L. A. Yandell, Senior Resident  
Inspector

In the Matter of )  
 )  
OMAHA PUBLIC POWER DISTRICT ) Docket No. 50-285  
(Fort Calhoun Station, )  
Unit No. 1) )

Pursuant to Section 2.790(b)(1) of the regulations of the Nuclear Regulatory Commission ("the Commission"), Omaha Public Power District ("the District") submits this application to withhold certain information from public disclosure. Applicant has obtained this information from documents which identify this information as being owned by Combustion Engineering, Inc. (CE) or by Exxon Nuclear Company, Inc. (ENC). It is the opinion of CE and ENC that the information in question contains trade secrets and/or privileged or confidential commercial or financial information. The CE and ENC information was purchased by the District under a proprietary information agreement.

The information for which proprietary treatment is sought is contained in the following documents:

OPPD-NA-8301-P, Reload Core Analysis Methodology Overview,  
September, 1983.

OPPD-NA-8302-P, Reload Core Analysis Methodology, Neutronics  
Design Methods and Verification, September, 1983.

OPPD-NA-8303-P, Reload Core Analysis Methodology, Transient  
and Accident Methods and Verification, September, 1983.

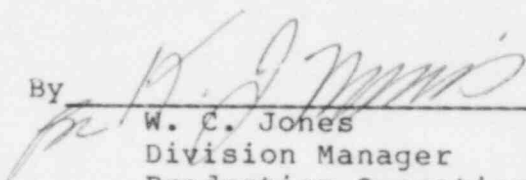
These documents have been appropriately designated as proprietary.

This information was obtained by the District from documents for  
which CE and ENC have executed affidavits which set forth the  
bases on which the information may be withheld from public dis-  
closure by the Commission.

Respectfully submitted,

OMAHA PUBLIC POWER DISTRICT

By

  
W. C. Jones  
Division Manager  
Production Operations

Sworn to before me on this  
day of September, 1983.

