

BEFORE THE UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

APPLICATION FOR AMENDMENT
OF
OPERATING LICENSE

Pursuant to Section 50.90 of the regulations of the U. S. Nuclear Regulatory Commission ("the Commission"), Omaha Public Power District, holder of Facility Operating License No. DPR-40, herewith requests an amendment to that license to increase the thermal power level of Fort Calhoun Station, Unit No. 1 from 1420 MWt to 1500 MWt with the commencement of Cycle 6 operation following core reload. This rating is approximately 5.6% greater than the power level currently authorized by Operating License No. DPR-40. The Cycle 6 core reload is being supplied by a new fuel vendor, Exxon Nuclear Company, Inc., which is using a fuel design which has been used in other operating pressurized water reactors. It is requested that the Commission provide a timely review of this Application since Cycle 6 operation is scheduled to commence March 15, 1980.

A discussion which demonstrates that the proposed Amendment does not adversely affect the environment is appended in Attachment A to this Application. An analysis by Exxon Nuclear Company, Inc., entitled "Fort Calhoun LOCA Analysis at 1500 MWt using Exxon Nuclear Company, Inc., WREM-11A PWR ECCS Evaluation - Large Break Example Problem" is appended as Attachment B to this Application. It is requested that the

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Commission confirm the acceptibility of the system representation for Fort Calhoun ECCS Analysis by Exxon Nuclear in early August to enable Exxon Nuclear to perform the ECCS analysis for its reload fuel which will be used in Cycle 6 operation for submittal in October. An Exxon Nuclear Document XN-NF-507 which describes the application of Exxon Nuclear's setpoint methodology for CE reactors to the Fort Calhoun Plant is appended in Attachment C to this Application. Document XN-NF-507 describes a method developed by Exxon Nuclear for assuring that instrumentation setpoints adequately protect the plant during normal operation and during anticipated transients. Instrumentation setpoints and plant operating limits will be established based on application of this methodology.

This Application is deemed to be a Class V amendment under 10 C.F.R. §170.22 (1979); therefore, a fee of \$25,800 is enclosed. A discussion of the classification of this Application is appended in Attachment D to this Application.

WHEREFORE, Applicant respectfully requests an amendment to Facility Operating License No. DPR-40 to increase the thermal power level of Fort Calhoun Station, Unit No. 1 to 1500 MWt.

OMAHA PUBLIC POWER DISTRICT

By

T. E. Short
for

T. E. Short
Assistant General Manager

Subscribed and sworn to before me
this 3rd day of JULY, 1979.

J. T. Gleason

Notary Public

