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Nebraska Public Power District

February 8, 1980

Director, Nuclear Reactor Regulation
Attention: Mr. Thomas A. Ippolito, Chief
Operating Reactors Branch No. 3
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Reload Licensing Submittal, Reload 5, Cycle 6
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

Dear Mr. Ippolito:

In accordance with the provisions of the Atomic Energy Act of 1954, and the amendments thereto, the Nebraska Public Power District requests that the operating license for Cooper Nuclear Station be revised to allow operation following the fifth refueling of the reactor.

Specifically, the results of the plant unique analysis are presented in the "Supplemental Reload Licensing Submittal for Cooper Nuclear Station Unit 1, Reload 5", NEDO-24230, dated December 1979, and are submitted as an enclosure to this letter. This document has been prepared utilizing the format contained in Appendix A of General Electric Report NEDE-24011-P "BWR Generic Reload Fuel Application".

Proposed changes to the Cooper Nuclear Station Technical Specifications are enclosed with the changes as follows:

1. The Rod Block Monitor setpoint is being changed from 105% to 107% due to the results of the rod withdrawal error analysis.

2. The operating Minimum Critical Power Ration (MCPR) limits and Overpressurization Analysis results are revised.

3. Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) curves are being added for type P8DRB265L and P8DRB283 fuel.

4. The requirement for the Safety/Relief Valve (SRV) Bellows Monitoring System is only applicable to three stage SRV's. It is planned to replace all three stage SRV's with two stage valves.

5. Various reference and editorial changes in the Bases sections.

The schedule for this refueling outage currently indicates that the station will be shutdown beginning March 15, 1980, for a period of approximately eight weeks; therefore, Nebraska Public Power District respectfully requests approval of this license amendment prior to May 1, 1980. A brief summary of the station modifications planned for this outage is enclosed for your information.

The safety significance of these proposed changes has been reviewed by appropriate District personnel, and under 10CRF170, these changes are judged to be a Class III amendment. Payment in the amount of $4,000 is enclosed.

Should you have any questions or require additional information, please do not hesitate to contact me.

In addition to three signed originals, 37 copies of the proposed changes are also submitted.

Sincerely yours,

Jay M. Pilant
Director of Licensing
and Quality Assurance

JMP/mrh:bn7/3
Enclsoures

STATE OF NEBRASKA)
) ss
PLATTE COUNTY)

Jay M. Pilant, being first duly sworn, deposes and says that he is an authorized representative of the Nebraska Public Power District, a public corporation and political subdivision of the State of Nebraska; that he is duly authorized to execute this request on behalf of Nebraska Public Power District; and that the statements in said application are true to the best of his knowledge and belief.

Jay M. Pilant

Subscribed in my presence and sworn to before me this 8th day of February, 1980.

Marilyn R. Hohndorf
NOTARY PUBLIC

My Commission expires Oct. 14, 1980.

GENERAL NOTARY - State of Nebraska
MARILYN R. HOHNDORF
My Comm. Exp. Oct. 14, 1980

SUMMARY OF MAJOR STATION MODIFICATIONS
SPRING 1980 REFUELING OUTAGE
COOPER NUCLEAR STATION

1. Feedwater nozzle and sparger modifications per NEDO 21821.

2. The following are the Mark I Containment Program modifications which are presently planned:

   a) Installation of new 10" vacuum breakers on the S/RV lines.

   b) Install approximately 50 drywell supports on the S/RV lines.

   c) Perform maintenance on the wetwell-drywell vacuum breakers.

   d) Reroute the S/RV lines in the wetwell.

   e) Install T-quenchers on the S/RV lines.

   f) Install a vent header deflector.

   g) Truncate the downcomers.

   h) Brace the downcomers.