

February 4, 2008

Mr. Stewart B. Minahan
Vice President-Nuclear and CNO
Nebraska Public Power District
72676 648A Avenue
Brownville, NE 68321

SUBJECT: COOPER NUCLEAR STATION - REQUEST FOR ADDITIONAL INFORMATION
RE: MEASUREMENT UNCERTAINTY RECAPTURE POWER UPRATE (TAC
NO. MD7385)

Dear Mr. Minahan:

By application dated November 19, 2007, Nebraska Public Power District (NPPD, the licensee) requested the U.S. Nuclear Regulatory Commission (NRC) staff approval of an amendment to the Cooper Nuclear Station facility operating license and technical specifications to increase the rated thermal power from 2381 to 2419 megawatts thermal (1.62 percent increase) based upon increased feedwater flow measurement accuracy to be achieved by using high accuracy ultrasonic flow measurement instrumentation. Your proposal is a measurement uncertainty recapture power uprate.

The NRC staff has reviewed the information provided in your submittal and determined that additional information is required in order to complete its review. Please provide a response to the enclosed questions by March 3, 2008.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-2296.

Sincerely,

/RA/

Carl F. Lyon, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-298

Enclosure: Request for Additional Information

cc w/encl: See next page

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*memo dated

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DATE	2/4/08	2/1/08	1/30/08	2/4/08

OFFICIAL RECORD COPY

Cooper Nuclear Station

cc:

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September 2007

Cooper Nuclear Station

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cc:

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Mr. John F. McCann, Director
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September 2007

OFFICE OF NUCLEAR REACTOR REGULATION
REQUEST FOR ADDITIONAL INFORMATION
RELATED TO MEASUREMENT UNCERTAINTY RECAPTURE
POWER UPRATE REQUEST
NEBRASKA PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION
DOCKET NO. 50-298

- I. The following questions are provided from the Electrical Engineering Branch (EEEEB):
1. Provide the existing and uprated power level in megawatts electric (MWe).
 2. Provide a detailed comparison of existing ratings with uprated ratings and the effect of the power uprate on the following equipment:
 - A. main generator
 - B. normal station service transformer
 - C. startup station transformer
 - D. emergency station transformer
 3. In Section 6.1.1 of Enclosure 3 of the license amendment request (LAR), the licensee states that the power factor (pf) for the generator is 0.85 whereas Table 6-1 of Enclosure 3 indicates a 0.58 pf. Please clarify the discrepancy.
 4. In Section 6.1.1 of Enclosure 3 of the LAR, the licensee states that a grid stability study was performed and concludes that the proposed electrical output will not have any effect on grid stability or reliability. Provide details of the grid stability study and discuss in depth the assumptions, methodology, cases studied, and evidence to support the aforementioned conclusion.
 5. For the power uprate of 1.62%, please identify the nature and quantity of megavolt ampere reactive (MVAR) support necessary to maintain post-trip loads and minimum voltage levels. Also, address how the power uprate would affect MVAR support.