

March 21, 1994

Mr. Guy R. Horn
Vice-President, Nuclear
Nebraska Public Power District
Post Office Box 98
Brownville, Nebraska 68321

Dear Mr. Horn:

SUBJECT: REGULATORY GUIDE 1.97 - BOILING WATER REACTOR NEUTRON FLUX
MONITORING - COOPER NUCLEAR STATION (TAC NO. M51082)

Section 6.2 of Generic Letter 82-33 requested applicants and licensees to provide a report on their implementation of Regulatory Guide (RG) 1.97. The BWR Owners' Group responded by submitting NEDO-31558, "Position on NRC Regulatory Guide 1.97, Revision 3, Requirements for Post-Accident Neutron Monitoring System," which proposed alternative criteria for neutron flux monitoring instrumentation in lieu of the Category 1 criteria stated in the RG. In a safety evaluation dated January 13, 1993, the staff concluded that the criteria of NEDO-31558 was acceptable.

By letter dated April 4, 1993, the staff requested you to review the Cooper neutron flux monitoring instrumentation against the criteria of NEDO-31558 and document the results of your review. Your letter of June 7, 1993, provided the results of your review.

The staff has completed its review of your submittal and determined that the deviations from NEDO-31558 identified in your submittal concerning neutron monitoring system accuracy are acceptable. Further, the staff has determined that your commitments to take further actions to ensure conformance with NEDO-31558 criteria concerning equipment qualification, function time, and power source are acceptable. Therefore, subject to implementation of these commitments, the post-accident neutron flux monitoring instrumentation at the Cooper Nuclear Station is an acceptable alternative to the guidance in RG 1.97.

Sincerely,

ORIGINAL SIGNED BY:

Kevin A. Connaughton, Project Manager
Project Directorate IV-1
Division of Reactor Projects
Office of Nuclear Regulation

cc: See next page

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Docket File	NRC & Local PDRs	PD4-1 Reading
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K. Connaughton	J. Roe	J. Wermiel, HICB
J. Hannon PD-III-3	A. Hansen, III-3	B. Marcus, HICB

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

March 21, 1994

Docket No. 50-298

Mr. Guy R. Horn
Vice-President, Nuclear
Nebraska Public Power District
Post Office Box 98
Brownville, Nebraska 68321

Dear Mr. Horn:

SUBJECT: REGULATORY GUIDE 1.97 - BOILING WATER REACTOR NEUTRON FLUX
MONITORING - COOPER NUCLEAR STATION (TAC NO. M51082)

Section 6.2 of Generic Letter 82-33 requested applicants and licensees to provide a report on their implementation of Regulatory Guide (RG) 1.97. The BWR Owners' Group responded by submitting NEDO-31558, "Position on NRC Regulatory Guide 1.97, Revision 3, Requirements for Post-Accident Neutron Monitoring System," which proposed alternative criteria for neutron flux monitoring instrumentation in lieu of the Category I criteria stated in the RG. In a safety evaluation dated January 13, 1993, the staff concluded that the criteria of NEDO-31558 was acceptable.

By letter dated April 4, 1993, the staff requested you to review the Cooper neutron flux monitoring instrumentation against the criteria of NEDO-31558 and document the results of your review. Your letter of June 7, 1993, provided the results of your review.

The staff has completed its review of your submittal and determined that the deviations from NEDO-31558 identified in your submittal concerning neutron monitoring system accuracy are acceptable. Further, the staff has determined that your commitments to take further actions to ensure conformance with NEDO-31558 criteria concerning equipment qualification, function time, and power source are acceptable. Therefore, subject to implementation of these commitments, the post-accident neutron flux monitoring instrumentation at the Cooper Nuclear Station is an acceptable alternative to the guidance in RG 1.97.

Sincerely,

A handwritten signature in cursive script that reads "Kevin A. Connaughton".

Kevin A. Connaughton, Project Manager
Project Directorate IV-1
Division of Reactor Projects
Office of Nuclear Regulation

cc: See next page

Mr. Guy R. Horn
Vice-President, Nuclear

Cooper Nuclear Station

cc:

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