

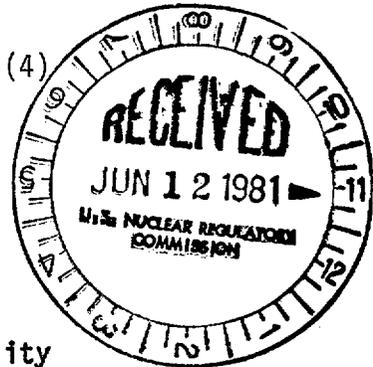
Docket File

Docket No. 50-298 JUN 9 1981

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Mr. J. M. Pilant, Director  
Licensing & Quality Assurance  
Nebraska Public Power District  
P. O. Box 499  
Columbus, Nebraska 68601



Dear Mr. Pilant:

The Commission has issued the enclosed Amendment No. 71 to Facility Operating License No. DPR-46 for the Cooper Nuclear Station. This amendment consists of changes to the Technical Specifications in response to your submittal dated March 31, 1981.

The amendment modifies the Appendix B (Environmental) Technical Specifications to allow the discontinuance of the limit for rate of temperature change at the mixing zone boundary as identified in Specifications 2.1.5/3.1.5. All other specifications concerning the mixing zone boundary have been deleted previously based upon evaluation of the CNS Thermal Plume Mapping Program and the Aquatic Surveillance and Study Program. Specifications 2.1.5/3.1.5 were inadvertently omitted from the previous requests. Other miscellaneous administrative changes were made that were inadvertently omitted from License Amendment No. 68 are also included.

This aquatic limiting condition for operation is covered by the provisions of the Clean Water Act (Section 402, NPDES Permit). Deletion of the limit for the rate of temperature change requirement is a ministerial action and therefore an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

We have examined the safety significance of this modification to the operation of the Cooper Nuclear Station and have determined that the modification does not alter the accident and transient analyses previously considered by the Commission.

cp  
1

This modification to the limiting conditions for operation of the Appendix B Technical Specifications does not involve significant new safety information of a type not considered in previous Commission safety reviews of the facility. This modification does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore, does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

OFFICE							
SURNAME							
DATE	8106170333						





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

June 9, 1981

Docket No. 50-298

Mr. J. M. Pilant, Director  
Licensing & Quality Assurance  
Nebraska Public Power District  
P. O. Box 499  
Columbus, Nebraska 68601

Dear Mr. Pilant:

The Commission has issued the enclosed Amendment No. 71 to Facility Operating License No. DPR-46 for the Cooper Nuclear Station. This amendment consists of changes to the Technical Specifications in response to your submittal dated March 31, 1981.

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We have examined the safety significance of this modification to the operation of the Cooper Nuclear Station and have determined that the modification does not alter the accident and transient analyses previously considered by the Commission.

This modification to the limiting conditions for operation of the Appendix B Technical Specifications does not involve significant new safety information of a type not considered in previous Commission safety reviews of the facility. This modification does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore, does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

8106170333

Mr. J. M. Pilant

-2-

June 9, 1981

A copy of the Notice of Issuance is also enclosed.

Sincerely,



Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Enclosures:

1. Amendment No. 71 to DPR-46
2. Notice

cc w/enclosures:  
See next page

Mr. J. M. Pilant  
Nebraska Public Power District

cc:

Mr. G. D. Watson, General Counsel  
Nebraska Public Power District  
P. O. Box 499  
Columbus, Nebraska 68601

Mr. Arthur C. Gehr, Attorney  
Snell & Wilmer  
3100 Valley Center  
Phoenix, Arizona 85073

Cooper Nuclear Station  
ATTN: Mr. L. Lessor  
Station Superintendent  
P. O. Box 98  
Brownville, Nebraska 68321

Auburn Public Library  
118 - 15th Street  
Auburn, Nebraska 68305

Director  
Nebraska Dept. of Environmental Control  
P. O. Box 94877, State House Station  
Lincoln, Nebraska 68509

Mr. William Siebert, Commissioner  
Nemaha County Board of Commissioners  
Nemaha County Courthouse  
Auburn, Nebraska 68305

Mr. Dennis Dubois  
USNRC  
Resident Inspector  
P. O. Box 218  
Brownsville, Nebraska 68321

U. S. Environmental Protection Agency  
Region VII Office  
ATTN: EIS COORDINATOR  
324 East 11th Street  
Kansas City, MO 64106



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

NEBRASKA PUBLIC POWER DISTRICT

DOCKET NO. 50-298

COOPER NUCLEAR STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 71  
License No. DPR-46

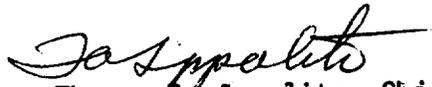
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application by Nebraska Public Power District dated March 31, 1981 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C(2) of Facility Operating License No. DPR-46 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 71, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Dated: June 9, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 71

FACILITY OPERATING LICENSE NO. DPR-46

DOCKET NO. 50-298

Remove the following pages of the Appendix A and B Technical Specifications and replace with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

<u>Remove</u>	<u>Insert</u>
<u>Appendix A</u>	<u>Appendix A</u>
iii	iii
iiia	iiia
<u>Appendix B</u>	<u>Appendix B</u>
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2.0 ENVIRONMENTAL PROTECTION CONDITION

2.1 Thermal

3.0 MONITORING REQUIREMENT

3.1 Thermal



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2.0 ENVIRONMENTAL PROTECTION CONDITION

2.1.6 Heat Treatment of Circulating Water System

Not applicable.

2.1.7 Deicing Operations

Not applicable.

3.0MONITORING REQUIREMENT

3.1.6

Heat Treatment of Circulating Water System

Not applicable.

3.1.7

Deicing Operations

Not applicable.

2.0	<u>ENVIRONMENTAL PROTECTION CONDITION</u>	3.0	<u>MONITORING REQUIREMENT</u>
2.2	Hydraulic		
2.2.1	Intake Velocity	3.2.1	Intake Velocity
	Not applicable. See Section 4.1.1.b.		Not applicable. See Section 4.1.1.b.
2.2.2	Discharge Velocity	3.2.2	Discharge Velocity
	Not applicable.		Not applicable.
2.2.3	Size of Mixing Zone	3.2.3	Size of Mixing Zone
	Not applicable.		Not applicable.
2.2.4	Maximum and Minimum Flow Restrictions	3.2.4	Maximum and Minimum Flow Restrictions
	Not applicable.		Not applicable.
2.2.5	Reservoir Drawdown	3.2.5	Reservoir Drawdown
	Not applicable.		Not applicable.
2.2.6	Erosion	3.2.6	Erosion
	Not applicable.		Not applicable.

6.6.2.G (Cont'd)

usage evaluation per the ASME Boiler and Pressure Vessel Code Section III was performed for the conditions defined in the design specification. The locations to be monitored shall be:

- a. The feedwater nozzles
- b. The shell at or near the waterline
- c. The flange studs

2. Monitoring, Recording, Evaluating, and Reporting

- a. Operational transients that occur during plant operations will, at least annually, be reviewed and compared to the transient conditions defined in the component stress report for the locations listed in 1 above, and used as a basis for the existing fatigue analysis.
  - b. The number of transients which are comparable to or more severe than the transient evaluated in the stress report Code fatigue usage calculations will be recorded in an operating log book. For those transients which are more severe, available data, such as the metal and fluid temperatures, pressures, flow rates, and other conditions will be recorded in the log book.
  - c. The number of transient events that exceed the design specification quantity and the number of transient events with a severity greater than that included in the existing Code fatigue usage calculations shall be added. When this sum exceeds the predicated number of design condition events by twenty-five<sup>2</sup>, a fatigue usage evaluation of such events will be performed for the affected portion of the RCPB.
- ii. Records of individual plant staff members showing qualifications, training and retraining.
  - I. Records for Environmental Qualification which are covered under the provisions of paragraph 6.8.

6.6.3 Records and logs relating to the following items shall be kept for two years.

- A. The test results, in units of microcuries, for leak tests of sources performed pursuant to Specification 3.8.A.
- B. Records of annual physical inventories verifying accountability of the sources on record.

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1. See paragraph N-415.2, ASME Section III, 1965 Edition.

2. The Code rules permit exclusion of twenty-five (25) stress cycles from secondary stress and fatigue usage evaluation. (See paragraphs N-412(t)(3) and N-417.10(f) of the Summer 1968 Addenda to ASME Section III, 1968 Edition.)

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-298NEBRASKA PUBLIC POWER DISTRICTNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 71 to Facility Operating License No. DPR-46, issued to Nebraska Public Power District, which revised the Technical Specifications for operation of the Cooper Nuclear Station, located in Nemaha County, Nebraska. The amendment is effective as of the date of its issuance.

This amendment modifies Appendix B of the Technical Specifications to delete Section 2.1.5/3.1.5 regarding the limit for rate of temperature change at the mixing zone boundary. Other miscellaneous administrative changes that were inadvertently omitted from License Amendment 68 are also included.

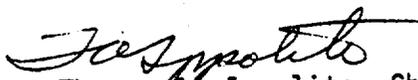
The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment is a ministerial action and an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated March 31, 1981, (2) Amendment No. 71 to License No. DPR-46, and (3) the Commission's letter to the licensee dated June 9, 1981. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Auburn Public Library, 118 - 15th Street, Auburn, Nebraska 67305. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 9th day of June 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing