

MAR 11 1983

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. 81 to Facility Operating License No. DPR-46 for Cooper Nuclear Station. This amendment consists of changes to the Technical Specifications in response to your application dated May 25, 1979 and subsequent discussions between the NRC staff and your staff. These changes have been discussed with and agreed to by members of your staff.

This amendment deletes the Appendix B Environmental Technical Specifications (ETS) which pertain to non-radiological water quality-related requirements, as required by the Federal Water Pollution Control Act Amendments of 1972.

Your basis for the requested deletion of water quality limits and monitoring programs is that these aquatic requirements are now under the jurisdiction of the U.S. Environmental Protection Agency (EPA) as established by the Federal Water Pollution Control Act Amendments of 1972. Therefore, water quality conditions in existing reactor operating licenses should be removed as a matter of law where the licensee holds, as you do, an effective National Pollutant Discharge Elimination System (NPDES) permit.

We concur in the deletion of the aquatic requirements and will rely on the NPDES permit system which is administered by EPA for regulation and protection of the aquatic environment. However, the NRC staff still wishes to remain informed about any changes in your NPDES permit and any violations of this permit. Accordingly, as discussed with your staff, you have agreed to provide NRC with a copy of any changes to the NPDES discharge permit and any permit violations requiring notification to the permitting agency at the time this information is reported to or received from the permitting agency. This information is to be submitted to the appropriate Regional Administrator with a copy to the Director, Office of Nuclear Reactor Regulation.

Please confirm this commitment in writing within 30 days of receipt of this letter.

We have determined that the deletion of these water quality requirements is a ministerial action required as a matter of law and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR 51.5(d)(4) that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

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Since the amendment applies only to deletion of water quality requirements, we have concluded that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

A copy of the Notice of Issuance is also enclosed.

Sincerely,

Original signed by
D. B. Vassallo

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

- 1. Amendment No. 81 to DPR-46
- 2. Notice of Issuance

cc w/Enclosures
See next page

DIST:	Docket File	NRC PDR	LPDR	ORB#2 Rdg	DEisenhut	SNorris
KEccleston	OELD	SECY	LJHarmon-2	TBarnhart-4	LSchneider	DBrinkman
XTRA-5	ACRS-10	OPA-CMiles	RDiggs	NSIC	Gray	ASLAB
BSiegel						

KTE
3/8/83
KTE

BS
2/16/83
WJ

OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:AD:MOE	DL:AD:OR	OELD
SURNAME	SNorris	KEccleston:pob	BSiegel	DVassallo	WJohnston	GLinas	
DATE	2/25/83	2/26/83	2/14/83	2/24/83	3/2/83	3/2/83	2/1/83

Mr. J. M. Pilant
Nebraska Public Power District

cc:

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Nebraska Public Power District
P. O. Box 499
Columbus, Nebraska 68601

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

John T. Collins
Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
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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
Brownville, NE 68321

U. S. Environmental Protection Agency
Region VII Office
Regional Radiation Representative
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. 81
License No. DPR-46

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Nebraska Public Power District (the licensee) dated May 25, 1979, 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. 81, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 81

FACILITY OPERATING LICENSE NO. DPR-46

DOCKET NO. 50-298

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

Remove

i
ii
iv
v
1 through 18
30 through 46
47
79
83

Insert

i
ii
-
-
1 through 18
30 through 46
47
79
83

Effective January 19, 1975, activities under the U.S. Atomic Energy Commission regulatory program were assumed by the U.S. Nuclear Regulatory Commission in accordance with the Energy Reorganization Act of 1974. Any references to the Atomic Energy Commission (AEC) contained herein should be interpreted as Nuclear Regulatory Commission (NRC)

ENVIRONMENTAL TECHNICAL SPECIFICATIONS

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	<u>Page</u>
List of Tables	Deleted
List of Figures	Deleted
1.0 <u>Definitions</u>	Deleted
2.0 <u>Environmental Protection Conditions and Requirements</u> and 3.0 <u>Monitoring</u>	19
2.1 Thermal	Deleted
2.1.1 Maximum ΔT Across Condenser	Deleted
2.1.2 Maximum Discharge Temperature	Deleted
2.1.3 Specified Mixing Zone	Deleted
2.1.4 Maximum BTU/hr	Deleted
2.1.5 Rate of Temperature Change	Deleted
2.1.6 Heat Treatment of Circulating Water System	Deleted
2.1.7 Deicing Operations	Deleted
2.2 Hydraulic	Deleted
2.2.1 Intake Velocity	Deleted
2.2.2 Discharge Velocity	Deleted
2.2.3 Size of Mixing Zone	Deleted
2.2.4 Maximum and Minimum Flow Restrictions	Deleted
2.2.5 Reservoir Drawdown	Deleted
2.2.6 Erosion	Deleted
2.3 Chemical	Deleted
2.3.1 Biocides	Deleted
a. Chlorine	Deleted
b. Phenolic Amines	Deleted
2.3.2 Corrosion Inhibitors	Deleted
2.3.3 Heavy Metals	Deleted
2.3.4 Solids	Deleted
a. Suspended Colloidal or Settable Solids	Deleted
b. Dissolved Solids	Deleted
2.3.5 Hydrogen Ion	Deleted
2.3.6 Other Chemicals	Deleted

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4.1.1 Aquatic	Deleted
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4.1.1.3 Monitoring of the Effects of the Condenser Cooling Water System on Plankton Organisms	Deleted
4.1.1.4 11-Agency Study	Deleted
4.1.2 Terrestrial	Not Applicable
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4.3.1 Aquatic-Thermal Plume Mapping	Deleted
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- 1 Through 18 -

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- 30 Through 46 -

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4.0 Environmental Surveillance and Special Studies

4.4 RADIOLOGICAL

Objective

To provide the necessary information for evaluation of radiological effects on the environment.

Specification

An environmental radiological monitoring program will be carried out as defined in Tables 7, 8, and 9.

4.4.1 Background Radiation (Sample Type No. 2)

Ambient levels of external radiation are measured at selected locations within an approximate 10-mile radius of the plant by exposing thermoluminescent dosimeters (TLD) for quarterly time periods. Selection of locations and periods of exposure are based on prevailing winds and anticipated radiation levels to provide suitable measurements for evaluation of probable radiation doses to the environs surrounding the plant location.

4.4.2 Soil (Sample Type No. 5)

Soil samples consist of approximately 2 kg. of soil obtained by inserting a tubular sample template into the earth to a depth of approximately 6 inches and removing the enclosed soil to a suitable container.

4.4.3 Vegetation - Food and Feed Crops (Sample Type No. 7)

Food and feed crop samples consist of approximately 2 kg. of the consumable portions of the food or feed crop being grown at the designated sample location.

4.4.4 Vegetation-Garden Crops (Sample Type No. 8)

Garden crop samples consist of approximately 2 kg. of the edible portions of garden vegetables (usually tomatoes, sweet corn, and cabbage, when available) taken from family gardens at the designated sample stations within a 5 mile radius of the plant.

4.4.5 Vegetation - Feed and Forage - Beef Producers and Nearest Milk Producers (Sample Type No. 9 and 10)

Approximately 2 kg. of forage will be sampled during the pasture season where milk and/or beef cattle are raised at the designated sample stations within an approximate 5-mile radius of the plant. These forage samples will be taken at the accelerated frequency rate as shown in Table 7. When the beef and milk cattle are not on pasture, sampling will consist of approximately 2 kg. of feed, sampled at the less frequent sampling frequency as shown in Table 7.

When coupled with the use of transfer coefficients and intake figures, a reliable monitoring program for Cs-137 uptake in beef cattle is obtained.

The average daily cattle intake of Cs-137 will be estimated from the forage sampling data as follows:

- 5.3.2 All procedures described in 5.3.1 above, and changes thereto, shall be reviewed as specified in Section 5.1 and approved by the Plant Superintendent prior to implementation. Temporary changes to procedures which do not change the intent of the original procedure may be made, provided such changes are approved by two members of the plant management staff. Such changes shall be documented, subsequently reviewed and approved on a timely basis.

5.4 Plant Reporting Requirements

5.4.1 Routine Reports

a. Annual Environmental Operating Report

(2) Radiological Volume

A report on the radiological environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of the Regional Regulatory Operations Office (with copy to Director of Licensing) as a separate volume (#2) of the Annual Environmental Operating Report within 90 days after January 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include summaries, interpretations, and statistical evaluation of the results of the radiological environmental surveillance activities for the report period.

- (1) The occurrence of any condition in violation of an environmental technical specification.
- (2) Failure to take appropriate action when a specified report level is reached.
- (3) Failure to report in a timely manner, other conditions that indicate a significant environmental impact.

c. Changes

- (1) When a change to the plant (that affects the environmental impact evaluation contained in the Environmental Report and the Environmental Statement) or to the environmental monitoring procedures or equipment is planned, a report of the change shall be submitted to the NRC for information prior to implementation of the change. This is not intended to preclude making changes on short notice that are significant in terms of decreasing adverse environmental impact, etc. However, these changes shall be promptly reported.
- (2)
- (3) Request for changes in environmental technical specifications shall be submitted to the Director, Division of Reactor Licensing, USNRC for prior review and authorization. The request shall include an evaluation of the impact of the change.

5.5 Records Retention

- 5.5.1 Records and logs relative to the following areas will be retained for the life of the plant:

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

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 81 to Facility Operating License No. DPR-46, issued to Nebraska Public Power District (the licensee), which revised Technical Specifications for operation of the Cooper Nuclear Station. The amendment is effective as of the date of issuance.

The amendment deletes the Appendix B Environmental Technical Specifications (ETS) which pertain to non-radiological water quality-related requirements, as required by the Federal Water Pollution Control Act Amendments of 1972.

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 the amendment was not required since the amendment does not involve a significant hazards consideration.

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The Commission has determined that the issuance of this amendment is a ministerial action required as a matter of law and will not result in any significant environmental impact and pursuant to 10 CFR 51.5(d)(4), an environmental impact statement, or negative declaration and environmental impact appraisal, need not be prepared in connection with issuance of the amendment.

For further details with respect to this action, see (1) the application for amendment dated May 25, 1979, (2) Amendment No. 81 to License No. DPR-46, and (3) the Commission's letter to the licensee dated March 11, 1983 . 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. 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 11th day of March 1983.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing