



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 27, 2026

Mr. John Dent, Jr.  
Executive Vice President and  
Chief Nuclear Officer  
Nebraska Public Power District  
72676 648A Avenue  
P.O. Box 98  
Brownville, NE 68321

SUBJECT: COOPER NUCLEAR STATION - ISSUANCE OF AMENDMENT NO. 283  
REGARDING ADOPTION OF TSTF-597, REVISION 0 "ELIMINATE LCO 3.0.3  
MODE 2 REQUIREMENT" (EPID L-2025-LLA-0166)

Dear Mr. Dent:

The U.S. Nuclear Regulatory Commission (NRC, the Commission) has issued the enclosed Amendment No. 283 to Renewed Facility Operating License No. DPR-46 for the Cooper Nuclear Station. The amendment consists of changes to the technical specifications (TSs) in response to your application dated October 23, 2025. The licensee requested that the NRC process the amendment under the Consolidated Line Item Improvement Process (CLIIP).

The amendment revises the TSs based on Technical Specifications Task Force (TSTF) Traveler TSTF-597, Revision 0, "Eliminate LCO [Limiting Condition for Operation] 3.0.3 Mode 2 Requirement," as supplemented by letter dated September 16, 2024, and the associated NRC staff final safety evaluation of Traveler TSTF-597.

J. Dent, Jr.

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A copy of the related Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's monthly *Federal Register* notice.

Sincerely,

***/RA/***

Thomas J. Byrd, Project Manager  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-298

Enclosures:

1. Amendment No. 283 to DPR-46
2. Safety Evaluation
3. Notices and Environmental Findings

cc: Listserv



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

NEBRASKA PUBLIC POWER DISTRICT

DOCKET NO. 50-298

COOPER NUCLEAR STATION

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment No. 283  
Renewed License No. DPR-46

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Nebraska Public Power District (the licensee) dated October 23, 2025, 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 Renewed Facility Operating License No. DPR-46 is hereby amended to read as follows:

- (1) Technical Specifications

- The Technical Specifications contained in Appendix A as revised through Amendment No. 283, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The license amendment is effective as of its date of issuance and shall be implemented within 60 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Michael Mahoney, Acting Chief  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to Renewed Facility  
Operating License No. DPR-46  
and the Technical Specifications

Date of Issuance: April 27, 2026

ATTACHMENT TO LICENSE AMENDMENT NO. 283

RENEWED FACILITY OPERATING LICENSE NO. DPR-46

COOPER NUCLEAR STATION

DOCKET NO. 50-298

Replace the following pages of Renewed Facility Operating License No. DPR-46 and the Appendix A, Technical Specifications, with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Renewed Facility Operating License

REMOVE

-3-

INSERT

-3-

Technical Specifications

REMOVE

3.0-1

INSERT

3.0-1

(5) Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by operation of the facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

The licensee is authorized to operate the facility at steady state reactor core power levels not in excess of 2419 megawatts (thermal).

(2) Technical Specifications

The Technical Specifications contained in Appendix A as revised through Amendment No. 283, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

(3) Physical Protection

The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualification and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Cooper Nuclear Station Safeguards Plan," submitted by letter dated May 17, 2006.

NPPD shall fully implement and maintain in effect all provisions of the Commission-approved cyber security plan (CSP), including changes made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The NPPD CSP was approved by License Amendment No. 238 as supplemented by changes approved by License Amendments 244 and 249.

(4) Fire Protection

NPPD shall implement and maintain in effect all provisions of the approved fire protection program that comply with 10 CFR 50.48(a) and 10 CFR 50.48(c), as specified in the license amendment request dated April 24, 2012 (and supplements dated July 12, 2012, January 14, 2013, February 12, 2013, March 13, 2013, June 13, 2013, December 12, 2013, January 17, 2014, February 18, 2014, and April 11, 2014), and as approved in the safety evaluation dated April 29, 2014. Except where NRC approval for changes or deviations is required by 10 CFR 50.48(c), and provided no other regulation, technical specification, license condition or requirement would require prior NRC approval, the licensee may make changes to the fire protection program without prior approval of the Commission if

3.0 LIMITING CONDITION FOR OPERATION (LCO) APPLICABILITY

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LCO 3.0.1 LCOs shall be met during the MODES or other specified conditions in the Applicability, except as provided in LCO 3.0.2 and LCO 3.0.7.

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LCO 3.0.2 Upon discovery of a failure to meet an LCO, the Required Actions of the associated Conditions shall be met, except as provided in LCO 3.0.5 and LCO 3.0.6.

If the LCO is met or is no longer applicable prior to expiration of the specified Completion Time(s), completion of the Required Action(s) is not required, unless otherwise stated.

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LCO 3.0.3 When an LCO is not met and the associated ACTIONS are not met, an associated ACTION is not provided, or if directed by the associated ACTIONS, the unit shall be placed in a MODE or other specified condition in which the LCO is not applicable. Action shall be initiated within 1 hour to place the unit, as applicable, in:

- a. MODE 3 within 13 hours; and
- b. MODE 4 within 37 hours.

Exceptions to this Specification are stated in the individual Specifications.

Where corrective measures are completed that permit operation in accordance with the LCO or ACTIONS, completion of the actions required by LCO 3.0.3 is not required.

LCO 3.0.3 is only applicable in MODES 1, 2, and 3.

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LCO 3.0.4 When an LCO is not met, entry into a MODE or other specified condition in the Applicability shall only be made:

(continued)



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO  
AMENDMENT NO. 283 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-46  
NEBRASKA PUBLIC POWER DISTRICT  
COOPER NUCLEAR STATION  
DOCKET NO. 50-298

Application (i.e., initial and supplements)

- October 23, 2025, ML25300A005

Safety Evaluation Date

April 27, 2026

1.0 PROPOSED CHANGES

Nebraska Public Power District (the licensee) requested changes to the technical specifications (TSs) for the Cooper Nuclear Station (Cooper) by license amendment request (LAR, application). In its application, the licensee requested that the U.S. Nuclear Regulatory Commission (NRC, the Commission) process the proposed amendment under the Consolidated Line Item Improvement Process (CLIIP). The proposed changes would revise the TS based on Technical Specifications Task Force (TSTF) Traveler TSTF-597, Revision 0, "Eliminate LCO [Limiting Condition for Operation] 3.0.3 Mode 2 Requirement" (TSTF-597) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24075A080), as supplemented by letter dated September 16, 2024 (ML24260A221), and the associated NRC staff final safety evaluation (SE) of Traveler TSTF-597 (package ML24358A224).

The proposed change would revise the shutdown requirements in TS LCO 3.0.3 by removing the requirement to place the unit in MODE 2 prior to entering MODE 3.

1.1 Description of Affected Technical Specification

LCO 3.0.3 requires the unit to be placed into a MODE or other specified condition outside the currently applicable modes when an LCO is not met, and any of the following conditions are true: 1) the associated actions are not met, 2) an associated action is not provided, or 3) LCO 3.0.3 entry is directed by the associated actions. LCO 3.0.3 requires that action shall be initiated within 1 hour to place the unit in MODE 2 (Startup) within 7 hours, MODE 3 (Hot Shutdown) within 13 hours, and MODE 4 (Cold Shutdown) within 37 hours.

The intent of each time limit to enter subsequently lower modes of operation is to ensure an orderly and timely shutdown when operation cannot be maintained within the limits for safe operation as defined by the LCO and its ACTIONS. Several LCOs identify these conditions and

direct entry into LCO 3.0.3, such as when there is a loss of function of either low- or high-pressure emergency core cooling system (LCO 3.5.1) and inoperable offsite and onsite alternating current (AC) sources (LCO 3.8.1).

## 1.2 Proposed TS Changes to Adopt TSTF-597

By letter dated December 26, 2024 (ML24358A224), the NRC staff approved TSTF-597 based on changes to the boiling-water reactor (BWR) Standard Technical Specifications (STS) in NUREG-1433, Revision 5, "Standard Technical Specifications General Electric BWR/4Plants: Specifications," Volume 1, "Specifications," and Volume 2, "Bases" (ML21272A357 and ML21272A358, respectively); and NUREG-1434, Revision 5, "Standard Technical Specifications, General Electric BWR/6 Plants: Specifications," Volume 1, "Specifications," and Volume 2, "Bases" (ML21271A582 and ML21271A596, respectively).

In accordance with the NRC staff approved-TSTF-597, the licensee proposed changes that would revise LCO 3.0.3. Specifically, the licensee proposed the following changes to adopt TSTF-597 (deletions shown in strikeout and additions in bold):

LCO 3.0.3 When an LCO is not met and the associated ACTIONS are not met, an associated ACTION is not provided, or if directed by the associated ACTIONS, the unit shall be placed in a MODE or other specified condition in which the LCO is not applicable. Action shall be initiated within 1 hour to place the unit, as applicable, in:

a. ~~MODE 2 within 7 hours,~~

**ab.** MODE 3 within 13 hours, and

**be.** MODE 4 within 37 hours.

Exceptions to this Specification are stated in the individual Specifications.

Where corrective measures are completed that permit operation in accordance with the LCO or ACTIONS, completion of the actions required by LCO 3.0.3 is not required.

LCO 3.0.3 is only applicable in MODES 1, 2, and 3.

## 2.0 REGULATORY EVALUATION

### 2.1 Applicable Regulatory Requirements

The regulation at Title 10 of the *Code of Federal Regulations* (10 CFR) 50.36(b) requires, in part::

Each license authorizing operation of a ... utilization facility ... will include technical specifications. The technical specifications will be derived from the analyses and evaluation included in the safety analysis report, and amendments thereto, submitted pursuant to [10 CFR] 50.34 ["Contents of applications; technical information"]. The Commission may include such additional technical specifications as the Commission finds appropriate.

The regulations in 10 CFR 50.36(c) state the categories of items that must be included in TSs. Among other items, the regulation requires that TS include LCOs. Paragraph 50.36(c)(2)(i) of 10 CFR states, in part, that:

Limiting conditions for operation are the lowest functional capability or performance levels of equipment required for safe operation of the facility. When a limiting condition for operation of a nuclear reactor is not met, the licensee shall shut down the reactor or follow any remedial action permitted by the technical specifications until the condition can be met.

## 2.2 Applicable Regulatory Guidance

The NRC staff's guidance for the review of TSs is in NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR [Light-Water Reactor] Edition" (SRP), Chapter 16, Section 16.0, "Technical Specifications," Revision 3, March 2010 (ML100351425). The NRC staff's review includes consideration of whether the proposed changes are consistent with the BWR STS.

## 3.0 TECHNICAL EVALUATION

### 3.1 Proposed TS Changes to Adopt TSTF-597

The regulatory framework the NRC staff used to determine the acceptability of the licensee's proposed changes consisted of the requirements and guidance listed in section 2.0 of this SE.

The NRC staff compared the licensee's proposed TS changes summarized in section 1.2 of this SE against the changes approved in TSTF-597. In accordance with SRP Chapter 16.0, the NRC staff determined that the STS changes approved in TSTF-597 are applicable to the Cooper TSs because Cooper is a BWR/4 design and the NRC staff approved the TSTF-597 changes for BWR designs.

TSTF-597 revised LCO 3.0.3 to remove the MODE 2 requirement. The requirements to be in MODE 3 within 13 hours and MODE 4 within 37 hours remain unchanged. The NRC staff finds that the proposed changes to the Cooper TS in section 1.2 of this SE are consistent with TSTF-597.

In the NRC SE of TSTF-597, the NRC staff concluded that the proposed changes to LCO 3.0.3 were acceptable because the requirement to enter MODE 2 in LCO 3.0.3 is unnecessary and places additional unwarranted time pressure on licensees without a commensurate gain in safety. Therefore, the NRC staff found that the proposed changes to LCO 3.0.3 were acceptable because they would continue to meet 10 CFR 50.36(c)(2)(i) since the LCO 3.0.3 requirements would align with all other LCOs on the times to reach MODE 3 and MODE 4 (after accounting for the above-discussed 1-hour preparation period built into LCO 3.0.3) and in not requiring entry into MODE 2 while shutting down as discussed in section 4.0 of the NRC staff's SE of TSTF-597. For these same reasons, the NRC staff concludes that the corresponding proposed changes to the Cooper TS in section 1.2 of this SE continue to meet the requirements of 10 CFR 50.36(c)(2)(i).

### 3.2 TS Change Consistency

The NRC staff reviewed the proposed TS changes for technical clarity and consistency with the existing requirements for customary terminology and formatting. The NRC staff finds that the proposed changes are consistent with Chapter 16.0 of the SRP and are therefore acceptable.

### 4.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) there is reasonable assurance that such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

NOTICES AND ENVIRONMENTAL FINDINGS  
 RELATED TO  
 AMENDMENT NO. 283 TO RENEWED FACILITY OPERATING LICENSE NO. DPR-46  
 NEBRASKA PUBLIC POWER DISTRICT  
 COOPER NUCLEAR STATION  
 DOCKET NO. 50-298

<u>Application (i.e., initial and supplements)</u> <ul style="list-style-type: none"> <li>October 23, 2025, ML25300A005</li> </ul>	<u>Safety Evaluation Date</u> April 27, 2026
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1.0 INTRODUCTION

Nebraska Public Power District (the licensee) requested changes to the technical specifications (TSs) for the Cooper Nuclear Station by license amendment request (LAR, application). In its application, the licensee requested that the U.S. Nuclear Regulatory Commission (NRC, the Commission) process the proposed amendment under the Consolidated Line Item Improvement Process (CLIP). The proposed changes would revise the TSs based on Technical Specifications Task Force (TSTF) Traveler TSTF-597, Revision 0, "Eliminate LCO [Limiting Condition for Operation] 3.0.3 Mode 2 Requirement" (TSTF-597) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24075A080), as supplemented by letter dated September 16, 2024 (ML24260A221), and the associated NRC staff final safety evaluation (SE) of Traveler TSTF-597 (package ML24358A224).

2.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Nebraska State official was notified of the proposed issuance of the amendment on March 30, 2026. The State official had no comments.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 20. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, published in the *Federal Register* on February 17, 2026 (91 FR 7306), and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

SUBJECT: COOPER NUCLEAR STATION - ISSUANCE OF AMENDMENT NO. 283  
REGARDING ADOPTION OF TSTF-597, REVISION 0 "ELIMINATE LCO 3.0.3  
MODE 2 REQUIREMENT" (EPID L-2025-LLA-0166) DATED APRIL 27, 2026

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**ADAMS Accession Nos.:**

**ML26093A330 (Package)**

**ML26093A328 (Letter)**

**20260406-60008 (e-Concurrence case)**

**\*via eConcurrence**

**NRR-058**