

Mr. Guy R. Horn
 Nuclear Power Group Manager
 Nebraska Public Power District
 Post Office Box 499
 Columbus, Nebraska 68602-0499

Dear Mr. Horn:

SUBJECT: COOPER NUCLEAR STATION - AMENDMENT NO. 160 TO FACILITY
 OPERATING LICENSE NO. DPR-46 (TAC NO. M84735)

The Commission has issued the enclosed Amendment No. 160 to Facility Operating License No. DPR-46 for the Cooper Nuclear Station (CNS). The amendment consists of revisions to the Technical Specifications (TS) in response to your application dated October 8, 1992.

The revisions change the TS to modify the onsite organizational structure by creating new site management positions.

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

Sincerely,

/S/

Harry Rood, Senior Project Manager
 Project Directorate IV-1
 Division of Reactor Projects III/IV/V
 Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 160 to License No. DPR-46
2. Safety Evaluation

cc w/enclosures:
 See next page

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| Wanda Jones(MS7103) | C. Grimes(MS11E22) | PD4-1 Plant File | E. Collins,RIV |
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 11, 1993

Docket No. 50-298

Mr. Guy R. Horn
Nuclear Power Group Manager
Nebraska Public Power District
Post Office Box 499
Columbus, Nebraska 68602-0499

Dear Mr. Horn:

SUBJECT: COOPER NUCLEAR STATION - AMENDMENT NO. 160 TO FACILITY
OPERATING LICENSE NO. DPR-46 (TAC NO. M84735)

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The revisions change the TS to modify the onsite organizational structure by creating new site management positions.

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

Sincerely,

A handwritten signature in cursive script that reads "Harry Rood".

Harry Rood, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 160 to
License No. DPR-46
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. Guy R. Horn
Nuclear Power Group Manager

Cooper Nuclear Station

cc:

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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. 160
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 October 8, 1992, 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 license 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.

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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 Appendix A, as revised through Amendment No. 160, 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.

FOR THE NUCLEAR REGULATORY COMMISSION



George T. Hubbard, Acting Director
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the
Technical Specifications

Date of Issuance: March 11, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 160

FACILITY OPERATING LICENSE NO. DPR-46

DOCKET NO. 50-298

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

REMOVE PAGES

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INSERT PAGES

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6.0 ADMINISTRATIVE CONTROLS

6.1 ORGANIZATION

6.1.1 Responsibility

The Plant Manager is directly responsible for the safe and efficient operation of the plant by providing direction for operation, radiological, engineering, and maintenance support activities. The Plant Manager reports to the Site Manager who has overview and coordination responsibility for ensuring the safe and efficient operation of Cooper Nuclear Station. During periods of time when the Plant Manager is unavailable, his responsibilities automatically shift to the Senior Manager of Operations. During periods of time when the Plant Manager and the Senior Manager of Operations are not available, the responsibilities of the Plant Manager may be delegated in writing to one of the managers on the Cooper Nuclear Station Site staff qualified for this position.

6.1.2 Offsite and Onsite Organizations

Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting the safety of the nuclear power plant.

- A. Lines of authority, responsibility, and communication shall be established and defined for the highest management levels through intermediate levels to and including all operating organization positions. These relationships shall be documented and updated, as appropriate, in the form of organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or in equivalent forms of documentation. These requirements shall be documented in the USAR.
- B. The Site Manager shall have overview and coordinate the activities of the following positions:
 - B.1 The Plant Manager who is responsible for overall safe unit operation and who has control over those onsite activities necessary for safe operation and maintenance of the plant.
 - B.2 The Senior Manager of Site Support who is directly responsible for supporting the safe and efficient operation of the plant by providing direction for training, outage and modification coordination, station security, and administrative support.
- C. The Nuclear Power Group Manager shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety.
- D. The individuals who train the operating staff and those who carry out health physics and quality assurance functions may report to the appropriate onsite manager; however, they shall have sufficient organizational freedom to ensure their independence from operating pressures.

6.1.3 Plant Staff - Shift Complement

The shift complement at the station shall at all times meet the following requirements. Note: Higher grade licensed operators may take the place of lower grade licensed or unlicensed operators.

- A. A licensed senior reactor operator (SRO) shall be present at the station at all times when there is any fuel in the reactor.
- B. A licensed reactor operator shall be in the control room at all times when there is any fuel in the reactor.
- C. Two licensed reactor operators shall be in the control room during all startup, shutdown and other periods involving significant planned control rod manipulations. A licensed SRO shall either be in the Control Room or immediately available to the Control Room during such periods.

6.2 REVIEW AND AUDIT

6.2.1 The organization and duties of committees for the review and audit of station operation shall be as outlined below:

A. Station Operations Review Committee (SORC)

1. SORC shall have a minimum of eight voting members comprised of the following:

- a. Chairman: Plant Manager, or alternate
- b. Individuals from the following disciplines:
 - Operations
 - Radiological (Chemistry/Health Physics)
 - Maintenance
 - Engineering
 - Reactor Engineering
 - Instrumentation and Control

The above, according to individual job title, shall meet the requirements as described in Sections 4.2, 4.3.1, or 4.4 of the American National Standards Institute N-18.1 1971, "Selection and Training of Personnel for Nuclear Power Plants."

Non-voting members may also serve on SORC to broaden its expertise in other areas (e.g., Quality Assurance).

All alternate members shall be appointed in writing by the SORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in SORC at any one time.

2. Meeting Frequency: Monthly, and as required on call of the Chairman.
3. Quorum: SORC chairman plus such a number as to constitute a majority of the voting members.
4. Responsibilities:
 - a. Review all proposed normal, abnormal, maintenance and emergency operating procedures specified in 6.3.1, 6.3.2, 6.3.3, and 6.3.4 and proposed changes thereto: and any other proposed procedures or changes thereto determined by any member to effect nuclear safety.
 - b. Review all proposed tests and experiments and their results, which involve nuclear hazards not previously reviewed for conformance with technical specifications. Submit tests which may constitute an unreviewed safety question to the NPPD Safety Review and Audit Board for review.
 - c. Review proposed changes to Technical Specifications.
 - d. Review proposed changes or modifications to station systems or equipment as discussed in the USAR or which involves an unreviewed safety question as defined in 10CFR50.59(c). Submit changes to equipment or systems having safety significance to the NPPD Safety Review and Audit Board for review.
 - e. Review station operation to detect potential nuclear safety hazards.

6.2 (cont'd)

- f. Investigate all violations of Technical Specifications, including reporting evaluation and recommendations to prevent recurrence, to the Nuclear Power Group Manager and to the Chairman of the NPPD Safety Review and Audit Board.
- g. Perform special reviews and investigations and render reports thereon as requested by the Chairman of the Safety Review and Audit Board.
- h. Review all reportable events specified in Section 50.73 to 10CFR Part 50.
- i. Review drills on emergency procedures (including plant evacuation) and adequacy of communication with off site groups.
- j. Periodically review procedures required by Specifications 6.3.1, 6.3.2, 6.3.3, and 6.3.4 as set forth in administrative procedures.

5. Authority

- a. The Station Operations Review Committee shall be advisory.
- b. The Station Operations Review Committee shall recommend to the SORC Chairman approval or disapproval of proposals under items 4, a through e and j above. In case of disagreement between the recommendations of the Station Operations Review Committee and the Plant Manager, the course determined by the Plant Manager to be the more conservative will be followed. A written summary of the disagreement will be sent to the Site Manager, Nuclear Power Group Manager, and to the NPPD Safety Review and Audit Board.
- c. The Station Operations Review Committee shall report to the Chairman of the NPPD Safety Review and Audit Board on all reviews and investigations conducted under items 4.f, 4.g, 4.h, and 4.i.
- d. The Station Operations Review Committee shall make determinations regarding whether or not proposals considered by the Committee involve unreviewed safety questions. This determination shall be subject to review by the NPPD Safety Review and Audit Board.

6. Records:

Minutes shall be kept for all meetings of the Station Operations Review Committee and shall include identification of all documentary material reviewed. Copies of the minutes shall be forwarded to the Chairman of the NPPD Safety Review and Audit Board and the Nuclear Power Group Manager within one month.

7. Procedures:

Written administrative procedures for Committee operation shall be prepared and maintained describing the method for submission and content of presentations to the committee, provisions for use of subcommittees, review and approval by members of written Committee evaluations and recommendations, dissemination of minutes, and such other matters as may be appropriate.

- c. Proposed tests or experiments which involve an unreviewed safety question as defined in Section 50.59, 10 CFR.
 - d. Proposed changes to Appendix A Technical Specifications or the CNS Operating License.
 - e. Violations of applicable codes, regulations, orders, Technical Specifications, license requirements, or of internal procedures or instructions having nuclear safety significance.
 - f. Significant operating abnormalities or deviations from normal and expected performance of plant equipment that affect nuclear safety.
 - g. All reportable events specified in Section 50.73 to 10CFR Part 50.
 - h. Any indication of an unanticipated deficiency in some aspect of design or operation of safety related structures, systems, or components.
 - i. Minutes of meetings of the Station Operations Review Committee.
 - j. Disagreement between the recommendations of the Station Operations Review Committee and the SORC Chairman.
 - k. Review of events covered under e,f,g, and h above include reporting to appropriate members of management on the results of investigations and recommendations to prevent or reduce the probability of recurrence.
5. Authority: The NPPD Safety Review and Audit Board shall report to and be advisory to the Nuclear Power Group Manager on those areas of responsibility specified in Specifications 6.2.1.B.4 and 6.2.1.B.7.

6. Records:

Minutes shall be recorded for all meetings of the NPPD Safety Review and Audit Board and shall identify all documentary material reviewed. Copies of the minutes shall be forwarded to the Nuclear Power Group Manager, Site Manager, and the Plant Manager, and such others as the Chairman may designate within one month of the meeting.

7. Audits:

Audits of selected aspects of plant operation shall be performed under the cognizance of SRAB with a frequency commensurate with their safety significance. Audits performed by the Quality Assurance Department which meet this specification shall be considered to meet the SRAB audit requirements if the audit results are reviewed by SRAB. A representative portion of procedures and records of the activities performed during the audit period shall be audited and, in addition, observations of performance of operating and maintenance activities shall be included. These audits shall encompass:

6.3 (cont'd)

6.3.5 Temporary Changes

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 operating staff holding SRO licenses. Such changes shall be documented and subsequently reviewed by the Plant Manager within one month.

6.3.6 Exercise of Procedures

Drills of the Emergency Plan procedures shall be conducted annually, including a check of communications with offsite support groups. Drills on the procedures specified in 6.3.2.A, B, and C above shall be conducted as part of the retraining program.

6.3.7 Programs

The following programs shall be established:

A. Systems Integrity Monitoring Program

A program shall be established to reduce leakage to as low as practical levels from systems outside the primary containment during a serious accident that would or could contain highly radioactive fluids. This program shall include provisions establishing preventive maintenance and periodic visual inspection requirements, and leak testing requirements for each system at a frequency not to exceed refueling cycle intervals.

B. Iodine Monitoring Program

A program shall be established to ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident conditions. This program shall include training of personnel, procedures for monitoring and provisions for maintenance of sampling and analysis equipment.

C. Post-Accident Sampling System (PASS)

A program shall be established to ensure the capability to obtain and analyze reactor coolant, radioactive iodines and particulates in plant gaseous effluents, and containment atmosphere samples under accident conditions. This program shall include training of personnel, procedures for sampling and analysis and provisions for operability of sampling and analysis equipment.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 160 TO FACILITY OPERATING LICENSE NO. DPR-46
NEBRASKA PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION
DOCKET NO. 50-298

1.0 INTRODUCTION

By letter dated October 8, 1992, the Nebraska Public Power District (the licensee) submitted a request for changes to the Cooper Nuclear Station (CNS) Technical Specifications (TS). The changes propose to modify the TS Section 6, "Administrative Controls." In particular, the proposed changes involve revisions to the onsite organization, including changes to various onsite job position titles discussed throughout Section 6.

Specifically, the proposed changes are listed below.

The new position of "Site Manager" will be created. The Site Manager will have overview and coordination responsibility for ensuring safe and efficient operation, and will have control over all onsite activities necessary for safe operation and support of CNS.

The new position of "Plant Manager" will be created. The Plant Manager will report directly to the Site Manager and shall be directly responsible for the safe and efficient operation of the plant by providing direction for those onsite activities including operations, maintenance, engineering, and radiological support activities, necessary for safe operation and maintenance of CNS. Due to the functional requirements of the new Plant Manager position, the Plant Manager will become the Station Operations Review Committee (SORC) Chairman, and will be responsible for all SORC activities as described in Technical Specification 6.2.1.A. The existing Senior Manager of Operations will report directly to the Plant Manager, and will assume the Plant Manager's responsibilities during those instances when the Plant Manager is unavailable.

Additionally, the new position of "Senior Manager of Site Support" will be created. The Senior Manager of Site Support will report directly to the Site Manager and shall be directly responsible for supporting safe and efficient operation of the plant by providing direction for onsite support activities including training, station security, and administrative support, that are required to support operation of CNS.

2.0 EVALUATION

The NRC staff has reviewed the TS changes proposed by the licensee and finds them acceptable, based on the following evaluation:

Generic Letter 88-06 (GL 88-06), "Removal of Organization Charts from Technical Specification Administrative Controls Requirements," identified aspects of organizational characteristics which are important to safety. Included was the designation of an executive position that has corporate responsibility for overall plant nuclear safety. The licensee states that the executive position that has corporate responsibility for overall plant nuclear safety will continue to be the Nuclear Power Group Manager. This individual shall continue to take whatever measures that may be necessary to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety. Hence, the organization resulting from the proposed change will continue to fulfill the requirements of and remains consistent with GL 88-06. On this basis, the staff finds this portion of the proposal acceptable.

GL 88-06 also requires the designation of a management position in the onsite organization responsible for overall plant operation and control over those onsite activities necessary for safe operation and maintenance of the plant.

In its submittal, the licensee states that the change in the onsite management reporting relationships will provide for increased senior management attention and oversight of each of the functional areas in the CNS onsite organization. In particular, the Plant Manager will be able to devote day-to-day attention to those onsite activities directly related to operations, maintenance, engineering, and radiological controls, which are important to the continued safe operation and maintenance of the plant. The Senior Manager of Site Support will be able to devote day-to-day attention to those onsite activities directly related to supporting operation of the plant, such as station security, outage and modification coordination, training, and administrative support. The Site Manager will have overview and coordination responsibility to ensure safe and efficient unit operation, and will maintain responsibility for all onsite activities necessary for safe operation and support of the CNS. Additionally, the licensee contends that the proposed change is expected to have a positive impact on safety by enhancing the ability of the Plant Manager and the Senior Manager of Site Support to effectively carry out their primary responsibilities and by improving the consistency and continuity of managerial oversight for CNS.

The proposed CNS TS description of the duties of the Site Manager adequately fulfills the GL 88-06 requirement for onsite management of plant operation and control of onsite activities. Additionally, the division of labor achieved by the separate roles of Plant Manager and Senior Manager of Site Support will help to enable each of these managers to focus their time and attention effectively on their specific roles. On this basis, the NRC staff finds the proposed changes to the onsite organization to be acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Nebraska State official was notified of the proposed issuance of the amendment. The State official had no comment.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment relates changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(10). 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.

5.0 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) 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.

Principal Contributor: M. Webb

Date: March 11, 1993