



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

DOCKET FILE

August 4, 1989

Docket No. 50-461

Mr. Dale L. Holtzscher
Acting Manager - Licensing and Safety
Clinton Power Station
P. O. Box 678
Mail Code V920
Clinton, Illinois 61727

Dear Mr. Holtzscher:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST TO REVISE A SETPOINT
REQUIREMENT FOR THE CONTROL ROD SCRAM ACCUMULATOR LOW PRESSURE ALARM
(TAC NO. 69550)

RE: CLINTON POWER STATION, UNIT NO. 1

The Commission has issued the enclosed Amendment No. 24 to Facility Operating License No. NPF-62 for the Clinton Power Station, Unit No. 1. This amendment consists of changes to the Technical Specifications (TSs) in response to your application dated May 16, 1988.

This amendment revises Technical Specification 4.1.3.3.b.1.b to change the setpoint requirement for the control rod scram accumulator low pressure alarm from 1520 +30, -0 psig to greater than or equal to 1520 psig.

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

Sincerely,

John B. Hickman, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Enclosures:

1. Amendment No. 24 to
License No. NPF-62
2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. Dale L. Holtzscher
Illinois Power Company

Clinton Power Station
Unit 1

cc:

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Clinton Power Station
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Clinton, Illinois, 61727

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Glen Ellyn, Illinois 60137

Chairman of DeWitt County
c/o County Clerk's Office
DeWitt County Courthouse
Clinton, Illinois 61727

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See next page

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

ILLINOIS POWER COMPANY, ET AL.

DOCKET NO. 50-461

CLINTON POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 24
License No. NPF-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Illinois Power Company* (IP), and Soyland Power Cooperative, Inc. (the licensees) dated May 18, 1988, 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. NPF-62 is hereby amended to read as follows:


*Illinois Power Company is authorized to act as agent for Soyland Power Cooperative, Inc. and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 24 , are hereby incorporated into this license. Illinois Power Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION


for

Paul C. Shemanski, Acting Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 4, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 24

FACILITY OPERATING LICENSE NO. NPF-62

DOCKET NO. 50-461

Replace the following page of the Appendix "A" Technical Specifications with the attached page. The revised page is identified by amendment number and contains vertical lines indicating the area of change.

Remove

3/4 1-10

Insert

3/4 1-10

REACTIVITY CONTROL SYSTEMS

CONTROL ROD SCRAM ACCUMULATORS

LIMITING CONDITION FOR OPERATION (Continued)

3.1.3.3 ACTION (Continued):

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or with no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.
- c. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.1.3.3 Each control rod scram accumulator shall be determined OPERABLE:

- a. At least once per 7 days by verifying that the indicated pressure is greater than or equal to 1520 psig, unless the control rod is inserted and disarmed or scrammed.
- b. At least once per 18 months by:
 1. Performance of a:
 - a) CHANNEL FUNCTIONAL TEST of the leak detectors and
 - b) CHANNEL CALIBRATION of the pressure detectors and verification of an alarm setpoint of greater than or equal to 1520 psig on decreasing pressure.



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NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 24 TO FACILITY OPERATING LICENSE NO. NPF-62
CLINTON POWER STATION, UNIT NO. 1
ILLINOIS POWER COMPANY
DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated May 18, 1988, the Illinois Power Company (IP), et al. (the licensees) requested an amendment to Facility Operating License No. NPF-62 for the Clinton Power Station, Unit 1. The proposed amendment would revise Technical Specification 4.1.3.3.b.1.b to change the setpoint requirement for the control rod scram accumulator low pressure alarm from 1520 +30, -0 psig to greater than or equal to 1520 psig. This change is proposed because the alarm setpoints for some of the pressure switches used in the BWR5/BWR6 Hydraulic Control Units have demonstrated a tendency to drift in a upward (conservative) direction to as-found values in excess of the specified upper limits.

2.0 EVALUATION

NRC staff review has concluded that there is no safety basis for including an upper limit in the Technical Specifications for the accumulator pressure switch setpoints. Adequate accumulator pressure must be maintained to ensure that the scram accumulators retain sufficient stored energy to ensure a successful scram. The alarm setpoint was established to alert plant personnel of decreased pressure in the Hydraulic Control Unit scram accumulators. Any setpoint above the minimum setpoint of 1520 is conservative with respect to alarming upon a low pressure condition, therefore it is unnecessary to impose an upper limit in the TS for the alarm setpoint. In addition, removing the upper limit would be consistent with the recommendation prescribed in General Electric Service Information Letter No. 429. Scram accumulator pressure, as indicated by the associated pressure gauges, will continue to be verified at least once every 7 days in accordance with existing Technical Specifications.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in surveillance requirements for the facility. We have 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding.

Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Therefore, pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The proposed change to Technical Specification 4.1.3.3.b.1.b to revise the setpoint requirement for the control rod scram accumulator low pressure alarm from 1520 +30, -0 psig to greater than or equal to 1520 psig is acceptable. The change will not adversely affect the safety function of the alarm and will provide greater operational flexibility for the potential drift of the pressure switch.

We have 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, and (2) 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.

Principal Contributor: John B. Hickman, NRR/PDIII-2

Dated: August 4, 1989