



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

July 24, 1989

Docket File

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 APPROVE DRYWELL VENT AND
PURGE SYSTEM OPERATION PAST THE FIRST CYCLE (TAC NO. 72097)

RE: Clinton Power Station, Unit No. 1

The Commission has issued the enclosed Amendment No. 23 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 December 21, 1988.

This amendment revises Technical Specification Section 3.6.2.7 to delete a limitation on the period of approval for drywell purge and vent system operation. The specific limitation is a footnote which states that the allowed system operation is applicable for the period from initial fuel load to 3 months after completion of the first refueling outage.

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. 23 to License No. NPF-62
2. Safety Evaluation

cc w/enclosures:
See next page

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See next page

JBH
PDIII-2:PM
JHickman:dmj
5/16/89

PDIII-2:LA
LLuther
5/17/89

PDIII-2:PD
D. Miller
5/18/89

Handwritten notes:
444/1000/1000
to SER of STATE & SEC
def issuance
OGC
M. Young
7/17/89
5/19/89
See change
SER

Mr. Dale L. Holtzscher
Illinois Power Company

Clinton Power Station
Unit 1

cc:

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Senior Vice President
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c/o County Clerk's Office
DeWitt County Courthouse
Clinton, Illinois 61727



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. 23
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 December 21, 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:

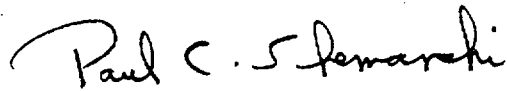
*Illinois Power Company is authorized to act as agent for Soyland Power Cooperative, Inc. and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 23, 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



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: July 24, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 23

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 contain vertical lines indicating the area of change.

Remove

3/4 6-21

Insert

3/4 6-21

CONTAINMENT SYSTEMS

DRYWELL VENT AND PURGE SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.2.7 The drywell vent and purge system 24-inch supply isolation valves (1VQ001A, 1VQ001B), the 10-inch (1VQ005) and 24-inch (1VQ002) exhaust isolation valves, and the 36-inch outboard isolation valve (1VQ003) shall be OPERABLE.

- a. Each 24-inch supply isolation valve shall be sealed closed.
- b. Either the 10-inch (1VQ005) or the 24-inch (1VQ002) exhaust isolation valve may be open for drywell vent system operation* with such operation limited to 5 hours per 365 days for pressure control.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With a 24-inch drywell vent and purge supply isolation valve(s) (1VQ001A, 1VQ001B) open, not sealed closed or otherwise inoperable, within 4 hours close and seal the valve(s) or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With a 10-inch (1VQ005) or 24-inch (1VQ002) drywell vent and purge exhaust isolation valve(s) inoperable or open for more than 5 hours per 365 days, for drywell vent system operation*, within 4 hours close the open 10-inch and 24-inch exhaust isolation valve(s) or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. The provisions of Specification 3.0.4 are not applicable provided the affected penetration is isolated in accordance with ACTION a, above, and provided that the associated system, if applicable, is declared inoperable and appropriate ACTION statements for that system are performed.

SURVEILLANCE REQUIREMENTS

4.6.2.7.1 Each 24-inch drywell vent and purge supply isolation valve (1VQ001A, 1VQ001B) shall be verified to be sealed closed at least once per 31 days.

*Drywell vent system operation shall be defined as any time either the 10-inch or the 24-inch inboard exhaust valves are open concurrent with all valves of Specification 3.6.1.8 closed. This excludes the time when either of these valves is opened for inservice testing performed pursuant to Specification 4.0.5 (concurrent with all valves of Specification 3.6.1.8 closed).



UNITED STATES
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WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 23 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 December 21, 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 Section 3.6.2.7 to delete a limitation on the period of approval for drywell purge and vent system operation. The specific limitation is a footnote which states that the allowed system operation is applicable for the period from initial fuel load to 3 months after completion of the first refueling outage. The system operation allowed by the TS is limited to 5 hours per 365 days for pressure control.

2.0 EVALUATION

The licensee states in their submittal that the limited approval for drywell vent and purge operation was included incorrectly. This limitation was based on an evaluation of both the containment and drywell vent and purge system that was documented in Clinton Supplemental Safety Evaluation Report No. 5 (SSER 5). SSER 5 provided an evaluation for both the containment and drywell vent and purge systems operation and approved operation through the first refueling outage. SSER 5 also called for the applicant to submit a reevaluation of the need to use the containment purge system during operational modes 1 through 3, before startup after the first refueling outage. SSER 5 stated no requirement for a reevaluation of the drywell vent and purge system and the limited approval was apparently unintentionally included in the TS. However, an evaluation was performed by the staff for this SER.

A review of the design for CPS indicated that there are no alternate (smaller) pathways available for drywell venting. A review of SSER 5, Chapter 3 indicated that the operability issue for the drywell vent and purge valves under accident conditions was approved and closed out as acceptable. This was based on the implementation of several actions including the installation of mechanical stops limiting the valves to 50 degrees open. Discussions with the licensee regarding the need for operation of the drywell vent and purge valves indicated that operation has been required for pressure control on a limited basis, particularly during reactor startup. The operational history for the drywell vent and purge system is maintained on a running 365 days basis as required by TS. The required operation for the period of April 4, 1988 to April 4, 1989, was 123.3 minutes, demonstrating a need for system operation within the 5 hour limitation.

Based on the documented need for drywell pressure control during the first operating cycle, and the limited time of operation of the drywell vent and purge system currently allowed by TS, the staff considers the deletion of the first cycle limitation on drywell vent and purge system operation to be acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment relates to changes in the use of facility component located within restricted area of the facility. We have determined that the amendment involves no significant increase in 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 staff has previously published a proposed finding that the amendment involves no significant hazards consideration 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 Section 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.

4.0 CONCLUSION

The proposed change to Technical Specification Section 3.6.2.7 to delete a limitation on the period of approval for drywell purge and vent system operation has been determined to be acceptable by the staff.

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: July 24, 1989