

October 29, 1992

Docket No. 50-461

Mr. Frank A. Spangenberg
Manager - Licensing and Safety
Clinton Power Station
P. O. Box 678
Mail Code V920
Clinton, Illinois 61727

Dear Mr. Spangenberg:

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CSkinner	

SUBJECT: AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NO. NPF-62
(TAC NOS. ~~m~~82015 and ~~m~~82641)

The Commission has issued the enclosed Amendment No. 67 to Facility Operating License No. NPF-62 for the Clinton Power Station, Unit No. 1. This amendment revises the Technical Specifications in response to your applications dated October 22, 1991 and December 23, 1991.

This amendment allows a person who holds or has held a CPS Senior Reactor Operator (SRO) license and has at least five years of nuclear power experience to be a member of the Independent Safety Engineering Group (ISEG). It also includes a restriction which requires at least four of the ISEG members to hold a bachelor's degree in engineering or related science. This restriction limits the number of non-degreed SROs to no more than one of the five required ISEG members. Also, this amendment changes the position title, Supervisor - Plant Operation, to Assistant Director - Plant Operations. This title change is editorial in nature.

A copy of the Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely, *original signed by*

Anthony T. Gody, Jr., Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 67 to License No. NPF-62
 2. Safety Evaluation
- cc w/enclosures:
See next page

Ofc:	LA:PD33:DRPW	I:PD33:DRPW	PM:PD33:DRPW	D:PD33:DRPW	OGC-OWFN
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Date:	10/19/92	/92	10/19/92 <i>Ar</i>	10/21/92	10/22/92

Ofc: *WBC* LPEB
Name: *WZech*
Date: 10/24/92

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

October 29, 1992

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Manager - Licensing and Safety
Clinton Power Station
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(TAC NOS. 82015 and 82641)

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A copy of the Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

A handwritten signature in dark ink, reading "Anthony T. Gody, Jr.", is positioned above the typed name.

Anthony T. Gody, Jr., Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 67 to
License No. NPF-62
2. Safety Evaluation

cc w/enclosures: See next page

Mr. Frank A. Spangenberg
Illinois Power Company

Clinton Power Station
Unit No. 1

cc:

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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. 67
License No. NPF-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Illinois Power Company* (IP), and Soyland Power Cooperative, Inc. (the licensees) dated October 22, 1991 and December 23, 1991, comply 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:

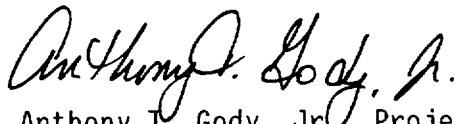
*Illinois Power Company is authorized to act as agent for Soyland Power Cooperative, Inc., and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 67, 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



Anthony T. Gody, Jr., Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of issuance: October 29, 1992

ATTACHMENT TO LICENSE AMENDMENT NO. 67

FACILITY OPERATING LICENSE NO. NPF-62

DOCKET NO. 50-461

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

Remove

6-6
6-7

Insert

6-6
6-7

TABLE 6.2.2-1

MINIMUM SHIFT CREW COMPOSITION SINGLE UNIT FACILITY

<u>POSITION</u>	<u>NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION</u>	
	<u>CONDITION 1, 2, or 3</u>	<u>CONDITION 4 or 5</u>
SS	1	1
SRO	1	None
RO	2	1
AO	2	1
STA	1	None

TABLE NOTATIONS

- SS - Shift Supervisor with a Senior Operator license on Unit 1.
- SRO - Individual with a Senior Operator license on Unit 1.
- RO - Individual with a Operator license on Unit 1.
- AO - Auxiliary Operator
- STA - Shift Technical Advisor

The shift crew composition may be one less than the minimum requirements of Table 6.2.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.

During any absence of the Shift Supervisor from the control room while the unit is in OPERATIONAL CONDITION 1, 2, or 3, an individual with a valid Senior Operator license shall be designated to assume the control room command function. During any absence of the Shift Supervisor from the control room while the unit is in OPERATIONAL CONDITION 4 or 5, an individual with a valid Senior Operator license or Operator license shall be designated to assume the control room command function.

ADMINISTRATIVE CONTROLS

6.2.3 INDEPENDENT SAFETY EVALUATION GROUP (ISEG)

FUNCTION

6.2.3.1 The ISEG shall function to examine unit operating characteristics, NRC issuances, industry advisories, Licensee Event Reports, and other sources of unit design and operating experience information, including units of similar design, which may indicate areas for improving unit safety. The ISEG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities, or other means of improving unit safety to the Manager-Licensing and Safety, Director-Nuclear Safety, and to members of the Nuclear Review and Audit Group (NRAG).

COMPOSITION

6.2.3.2 The ISEG shall be composed of a least five, dedicated, full-time members located on site. Each ISEG member shall have either:

- (1) A bachelor's degree in engineering or related science and at least three years of professional-level experience in his field which shall include at least one year of nuclear power experience, or
- (2) At least five years of nuclear experience and hold or have held a Clinton Power Station Senior Reactor Operator license.

As a minimum, four of the ISEG members shall have the qualifications specified in (1) above.

RESPONSIBILITIES

6.2.3.3 The ISEG shall be responsible for maintaining surveillance of unit activities to provide independent verification¹ that these activities are performed correctly and that human errors are reduced as much as practical.

RECORDS

6.2.3.4 Records of activities performed by the ISEG shall be prepared, maintained, and forwarded each calendar month to the Director-Nuclear Safety, to the Manager-Licensing and Safety and to members of the NRAG.

¹ Not responsible for signoff function.

ADMINISTRATIVE CONTROLS

6.2.4 SHIFT TECHNICAL ADVISOR

6.2.4.1 The Shift Technical Advisor shall provide advisory technical support to the Shift Supervisor in the areas of thermal hydraulics, reactor engineering, and plant analysis with regard to safe operation of the unit. The Shift Technical Advisor shall have a bachelor's degree or equivalent in a scientific or engineering discipline and shall have received specific training in the response and analysis of the unit for transients and accidents, and in unit design and layout, including the capabilities of instrumentation and controls in the control room.

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed minimum qualifications of ANSI/ANS 3.1-1978. The Director - Plant Operations shall have held an SRO license for Clinton Power Station; the Assistant Director - Plant Operations shall hold an SRO license for Clinton Power Station.

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Director - Nuclear Training and shall meet or exceed the requirements of 10 CFR Part 55.

6.5 REVIEW AND AUDIT

6.5.1 FACILITY REVIEW GROUP (FRG)

6.5.1.1 The FRG shall function to advise the Manager - Clinton Power Station on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The FRG shall be composed of a chairman and supervisory (supervisor or higher) members collectively having the experience and competence in areas of plant operations, maintenance (control and instrumentation, electrical maintenance, mechanical maintenance), radiation protection, chemistry and nuclear engineering, necessary to perform the required review function.

ADMINISTRATIVE CONTROLS

ALTERNATES

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

MEETING FREQUENCY

6.5.1.4 The FRG shall meet at least once per calendar month and as convened by the FRG Chairman or his designated alternate.

QUORUM

6.5.1.5 The quorum of the FRG necessary for the performance of the FRG responsibility and authority provisions of these Technical Specifications shall consist of the Chairman or his designated alternate and four members including alternates.

RESPONSIBILITIES

6.5.1.6 The FRG shall be responsible for:

- a. Review of all administrative procedures and changes thereto,
- b. Review of all proposed tests and experiments that affect nuclear safety;
- c. Review of all proposed changes to Appendix A Technical Specifications;
- d. Review of all proposed changes or modifications to unit systems or equipment that affect nuclear safety;
- e. Review of all proposed programs required by Technical Specification 6.8.4 and changes thereto;
- f. Review of the safety evaluation for procedures, and changes thereto, required by Technical Specification 6.5.3.1.c;
- g. Investigation of all violations of the Technical Specifications, including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence, to the Vice President Nuclear and to the Nuclear Review and Audit Group;
- h. Review of all REPORTABLE EVENTS;
- i. Review of unit operations to detect potential hazards to nuclear safety;



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NO. NPF-62

ILLINOIS POWER COMPANY, ET AL.
CLINTON POWER STATION, UNIT NO. 1

DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated October 22, 1991, Illinois Power Company (IP) and Soyland Power Cooperative, Inc. (the licensee) requested an amendment to Facility Operating License No. NPF-62 for the Clinton Power Station (CPS). The proposed amendment would revise the Technical Specifications (TS) by changing Section 6.2.3.2, INDEPENDENT SAFETY ENGINEERING GROUP (ISEG) - COMPOSITION. The amendment would allow a person without a bachelor's degree in engineering or related science to become a member of the ISEG. That person must hold or have held a CPS Senior Reactor Operator (SRO) license and have at least five years of nuclear power experience. Also, as a minimum, four of the required five ISEG members shall have at least a bachelors's degree in engineering or related science.

Also, by letter dated December 23, 1991, the licensee proposed an amendment that would revise the TS by changing Section 6.3.1, Unit Staff Qualifications. The amendment would change the position title, Supervisor - Plant Operations, to Assistant Director - Plant Operation. This is an editorial change.

2.0 EVALUATION

2.1 Technical Specification 6.2.3.2

The criterion included in CPS Technical Specification 6.2.3.2 for requiring a bachelor's degree stems from Section II.B.2.b of NUREG-0731, "Guidelines for Utility Management Structure and Technical Resources," which states, "Qualification requirements for these individuals [members of ISEG] should be a level generally comparable to that described in Section 4.2 of ANSI/ANS 3.1 (December 1979 draft), i.e., a bachelor's degree in engineering with two to four years experience in their field, or equivalent as described in Section 4.1 of ANSI/ANS 3.1." However, Section 4.1 of ANSI/ANS 3.1 (December 1979 draft) also states, "Individuals who do not possess the formal education requirements specified in this section shall not be automatically eliminated where other factors provide sufficient demonstration of their abilities. These other factors should be evaluated on a case-by-case basis."

The level of training and knowledge required to obtain an SRO license is well documented and known. The proposed change to Technical Specification 6.2.3.2 would provide the ability of the CPS ISEG to broaden its expertise with direct first-hand operations experience. The proposed change would also require five years of experience in the nuclear field. This is above the current experience requirements of three years for ISEG members and is in accordance with Section 4.7.2 of ANS 3.1-1981. Further, under the proposed change, the

Technical Specifications would continue to require that at least four of the required ISEG members hold a bachelor's degree in engineering or related science.

Based on the above evaluation, the staff finds the proposed TS change to be acceptable.

2.2 Technical Specification 6.3.1

As described in Clinton Power Station Updated Safety Analysis Report Section 13.1.2.2.2, the Supervisor - Plant Operations is responsible for daily operation of the plant, including detailed planning and scheduling of operations activities such as tests, startups and shutdowns. He directs the development and review of required procedures, reports, and documents dealing with plant operations. The Supervisor - Plant Operations is considered to be a supervisor requiring an NRC Senior Reactor license as described in ANSI/ANS 3.1-1978, "American National Standard for Selection and Training of Nuclear Power Plant Personnel," paragraph 4.3.1.

This amendment does not alter any of the duties, responsibilities, or required qualifications associated with this position. Consequently, this change is editorial only.

Based on the above evaluation, the staff finds the proposed TS change to be acceptable.

3.0 STATE CONSULTATION

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

4.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 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 staff 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: Christopher E. Skinner, NRR

Date: October 29, 1992