

May 21, 1990

Docket No. 50-461

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

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DHagan  
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GHill (4)  
Wanda Jones  
JCalvo  
ACRS (10)  
GPA/PA  
OC/LFMB

Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST TO REVISE THE REFERENCE ZERO AND THE CORRESPONDING TRIP SETPOINT AND ALLOWABLE VALUE FOR THE SUPPRESSION POOL WATER LEVEL INSTRUMENT ASSOCIATED WITH RCIC FOR THE CLINTON POWER STATION (TAC NO. 73804)

The Commission has issued the enclosed Amendment No. 35 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 February 5, 1988.

This amendment revises Technical Specification Table 3.3.5-2 to correct the reference zero and the corresponding trip setpoint and allowable value for the suppression pool water level instrument associated with RCIC to accommodate the as-built design. The portion of the amendment request that affected the suppression pool water level instrument associated with HPCS has been withdrawn by the licensee.

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

Sincerely,

/s/

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

Enclosures:

1. Amendment No. 35 to License No. NPF-62
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:  
See next page

\*SEE PREVIOUS CONCURRENCE

DM RD3/2:LA CMoore 5/18/90	9724 PD3/2:PM JHICKMAN/bj 3/21/90	OGC *RBachman 04/24/90	PD3/2:D RDudley / /90
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This amendment revises Technical Specification Tables 3.3.3-2 and 3.3.5-2 to correct the reference zero and the corresponding trip setpoint and allowable value for the suppression pool water level instrument associated with HPCS to accommodate the as-built design.

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Sincerely,

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

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PD3/2:LA  
LLUTHER  
4/11/90

PD3/2:PM  
JHICKMAN/bj  
4/11/90

OCG  
JCRAIG  
4/12/90

PD3/2:DJ  
JCRAIG  
4/18/90



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

May 21, 1990

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Manager - Licensing and Safety  
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Sincerely,

A handwritten signature in cursive script that reads "John B. Hickman".

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

Enclosures:

1. Amendment No. 35 to  
License No. NPF-62
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See next page

Mr. Frank A. Spangenberg  
Illinois Power Company

Clinton Power Station  
Unit 1

cc:

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Vice President  
Clinton Power Station  
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Chairman of DeWitt County  
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. 35  
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 February 5, 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. 35, 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

*Richard F. Dudley, for*  
John W. Craig, Director  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 21, 1990

ATTACHMENT TO LICENSE AMENDMENT NO.35

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

3/4 3-61

Insert

3/4 3-61

TABLE 3.3.5-2

REACTOR CORE ISOLATION COOLING SYSTEM ACTUATION INSTRUMENTATION SETPOINTS

<u>FUNCTIONAL UNITS</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
a. Reactor Vessel Water Level - Low Low, Level 2	$\geq -45.5$ in.*	$\geq -47.7$ in.
b. Reactor Vessel Water Level - High, Level 8	$\leq 52.0$ in.*	$\leq 52.6$ in.
c. RCIC Storage Tank Level - Low	$\geq 3\frac{1}{2}$ in.**	$\geq 0$ in.**
d. Suppression Pool Water Level - High	$\leq -8\frac{1}{2}$ in.†	$\leq -3$ in.†
e. Manual Initiation	NA	NA

\* See Bases Figure B 3/4 3-1.

\*\* Instrument zero is 739' 10-3/4" msl.

† Instrument zero is 732' 8" msl.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 35 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 Tables 3.3.3-2 and 3.3.5-2 to correct the reference zero and the corresponding trip setpoint and allowable value for the suppression pool water level instrument associated with HPCS and RCIC to accommodate the as-built design. The licensee verbally requested on May 4, 1990, that the portion of the requested amendment dealing with HPCS be withdrawn.

2.0 EVALUATION

Table 3.3.5-2 of the Clinton Power Station (CPS) Technical Specifications (TS) lists the trip setpoints, allowable value, and reference zero for various instruments associated with Emergency Core Cooling System actuations. One specific item listed is the Suppression Pool Water Level - High setpoint associated with the Reactor Core Isolation Cooling (RCIC) system. Initial performance of the plant calibration procedure for this instrument revealed that, due to an error in the installation design, the desired calibration range for the noted instrument loop did not properly correspond to the calibration range of the installed transmitters. Although the instrument could be adjusted to trip at the water level (in terms of elevation) at which the trip should occur, the reference zero was 15 inches higher than intended. Therefore, the trip setpoint and allowed value were also 15 inches off from the intended values. The proposed changes would revise the values listed in the TS to match the as-built design and provide the trip function at the appropriate water level.

The staff considers this change to be acceptable since it adjusts the values in the TS to match the as-built design and does not affect the actual trip function. The system has been and will continue to be adjusted such that the trip setpoint is at an absolute water level of 731'-11.5" with an allowed value of 732'-5". The adjustment will be made to the reference zero and the differential measurement to that reference zero for the trip setpoint and the allowed value.

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P FDC

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment only involves a change in surveillance requirements for the facility. The staff 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 NRC 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of this amendment will not be inimical to the common defense and the security nor to the health and safety of the public.

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

Dated: May 21, 1990