

March 29, 1990

Docket No. 50-461

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

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Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST TO WAIVE OPERABILITY  
REQUIREMENT FOR CONTAINMENT ISOLATION VALVE POSITION INDICATION WHEN  
VALVE IS DEACTIVATED AND LOCKED CLOSED FOR CLINTON POWER STATION,  
UNIT NO. 1 (TAC NO. 73798)

The Commission has issued the enclosed Amendment No. 33 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 consists of the addition of a note to Item 14 on Technical  
Specification Table 3.3.7.5-1 to allow inoperability of primary containment  
isolation valve position indication when the valve/valve operator is  
electrically deactivated in the isolated position.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance is being  
filed with the Office of the Federal Register for publication.

Sincerely,

/s/

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

Enclosures:

1. Amendment No. 33 to License No. NPF-62
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:  
See next page

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Document Name: AMENDMENT 73798

PDIII-2:LA LLuther 2/15/90	PDIII-2:PM JHickman:ta 2/15/90	PDIII-2:PD JCraig 2/15/90
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OGC\* - OWFN  
Bms  
2/16/90

DFOL  
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F DOC

\* OGC concurrence  
Conditioned on 1)  
Correction of NRC's  
FY 88 2) Amendment not  
to issue until after PWS  
of CA (FWS) in FR

CP-1



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

March 29, 1990

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P. O. Box 678  
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Sincerely,

A handwritten signature in cursive script, appearing to read "John B. Hickman".

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

Enclosures:

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cc w/enclosures:  
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. 33  
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.

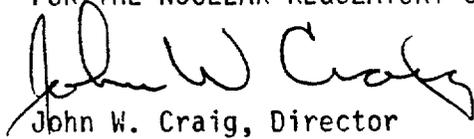
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Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 33, 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



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: March 29, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 33

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 3-87

Insert

3/4 3-87

TABLE 3.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>REQUIRED NUMBER OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE OPERATIONAL CONDITIONS</u>	<u>ACTION</u>
1. Reactor Vessel Pressure	2	1	1, 2, 3	80
2. Reactor Vessel Water Level	2	1	1, 2, 3	80
3. Suppression Pool Water Level	4	2	1, 2, 3	80
4. Suppression Pool Water Temperature	2/quadrant†	1/quadrant†	1, 2, 3	80
5. Drywell Pressure	2	1	1, 2, 3	80
6. Drywell Air Temperature	2	1	1, 2, 3	80
7. Drywell/Containment Hydrogen and Oxygen Concentration Analyzer and Monitor	2	1	1, 2, 3	83
8. Containment Pressure ##	2/division	1/division	1, 2, 3	80
9. Containment Temperature	2	1	1, 2, 3	80
10. Safety/Relief Valve Acoustic Monitor	1/valve***	1/valve***	1, 2, 3	80
11. Containment/Drywell High Range Gross Gamma Radiation Monitors	4**	2*	1, 2, 3	81
12. HVAC Stack High Range Radioactivity Monitor#	1	1	1, 2, 3	81
13. SGTS Exhaust High Range Radioactivity Monitor#	1	1	1, 2, 3	81
14. Primary Containment Isolation Valve Position Indication ††	2/valve###	1/valve###	1, 2, 3	82

TABLE NOTATIONS

- \* One each for containment and drywell.
- \*\* Two each for containment and drywell.
- \*\*\* Thermocouples in the SRV discharge line can serve as backup to the acoustic tail pipe monitors indication should one channel of the position indication become inoperable.
- # High range noble gas monitors and iodine/particulate sampler.
- ## For Divisions I and II only.
- ### Not applicable if valve position indication is unavailable because the valve was deliberately deactivated, provided the valve is in the isolated position and administrative controls are in place to ensure that the control room operators can determine the valve's position, if needed. Valves closed in accordance with these conditions may be reopened on an intermittent basis under administrative controls.
- † These instruments monitor suppression pool water temperature when pool water level is below instruments of Specification 3.6.3.1.
- †† One channel consists of the open limit switch, and the other channel consists of the closed limit switch for each automatic isolation valve in Table 3.6.4-1 Part 1, "Automatic Isolation Valves."



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 33 TO FACILITY OPERATING LICENSE NO. NPF-62  
CLINTON POWER STATION, UNIT NO. 1  
ILLINOIS POWER COMPANY, ET AL.  
DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated February 5, 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 add a note to Item 14 on Technical Specification Table 3.3.7.5-1 to allow inoperability of primary containment isolation valve position indication when the valve/valve operator is electrically deactivated in the isolated position.

2.0 EVALUATION

At Clinton, the operability of the Containment Isolation Valves (CIVs) is governed by Technical Specification (TS) Section 3.6.4. That TS specifies the deactivation of a CIV in the isolated position as one method of providing acceptable containment isolation for a given penetration. When this action is taken and a motor-operated CIV is electronically deactivated, its breaker is usually switched to the "OFF" position. Consequently, power is lost to the position indication circuit and all position indication in the main control room is lost. The operability of the instruments that provide the position indication of the CIVs is governed separately in TS Section 3.3.7.5 "Accident Monitoring Instrumentation." That TS, however, currently makes no provision for the loss of indication that occurs when the valve is electrically deactivated in the isolated position. The current ACTION requires a plant shutdown after 7 days if all position indication to a primary CIV is lost. The intent of TS 3.3.7.5, with regard to CIV position indication, is to ensure that indication is available in the main control room to enable control room operators to assess containment integrity. This intent can be satisfied if the affected valve(s) are placed in the isolated position prior to being deactivated, as required by TS 3.6.4, and if appropriate administrative controls are in place to ensure that the control room operators can determine the valve's position if needed.

TS 3.6.4 also allows a CIV that has been closed to assure containment isolation to be reopened on an intermittent basis under administrative controls. These same administrative controls could be used to assure that control room operators can determine the valve's position.

### 3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and finding of no significant impact has been prepared and published (55 FR 11072) in the Federal Register on March 26, 1990. Accordingly, based upon the environmental assessment, the Commission has determined that the issuance of this amendment will not have a significant effect on the quality of the human environment and that no environmental impact statement need be prepared.

### 4.0 CONCLUSION

The proposed change to Technical Specification Table 3.3.7.5-1 to add a note allowing inoperability of primary containment isolation valve position indication when the valve/valve operator is electrically deactivated in the isolated position is acceptable. The note is consistent with the operation of the CIV allowed by the TS and provides adequate assurance that control room operators will be able to determine CIV position if required.

The Commission has issued a Notice of Consideration of Issuance of Amendment to Facility Operating License and Opportunity for Hearing which was published in the Federal Register (53 FR 19359) on May 27, 1988. No petition to intervene or request for hearing has been filed on this action.

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, 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 the security nor to the health and safety of the public.

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

Dated: March 29, 1990

UNITED STATES NUCLEAR REGULATORY COMMISSIONILLINOIS POWER COMPANY, ET AL.DOCKET NO. 50-461NOTICE OF ISSUANCE OF AMENDMENT TOFACILITY OPERATING LICENSE

The United States Nuclear Regulatory Commission (the Commission) has issued Amendment No. 33 to Facility Operating License No. NPF-62 issued to the Illinois Power Company (IP), and Soyland Power Cooperative, Inc. (the licensees), for operation of the Clinton Power Station, Unit 1, located in DeWitt County, Illinois.

The amendment consists of changes to Technical Specification Table 3.3.7.5-1 to add a note allowing inoperability of primary containment isolation valve position indication when the valve/valve operator is electrically deactivated in the isolated position.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment.

Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on May 27, 1988 (53 FR 19359). No request for hearing or petition for leave to intervene was filed following this notice.

The Commission has prepared an Environmental Assessment and Finding of No Significant Impact related to the action and has determined not to prepare an

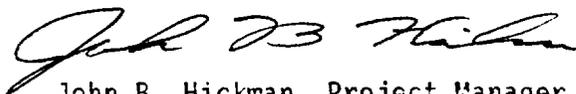
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environmental impact statement. Based upon the Environmental Assessment, the Commission has concluded that the issuance of this amendment will not have a significant effect on the quality of the human environment.

For further details with respect to the action see (1) the application for amendment dated February 5, 1988 (2) Amendment No. 33 to License No. NPF-62, and (3) the Environmental Assessment and Finding of No Significant Impact. All of these items are available for public inspection at the Commission's Public Document Room, 2120 L Street N.W., Washington, D.C.; and at Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Reactor Projects.

Dated at Rockville, Maryland this 29th day of March 1990.

FOR THE NUCLEAR REGULATORY COMMISSION



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