

January 5, 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

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Dear Mr. Holtzscher:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST TO ACHIEVE CONSISTENCY WITH
A PREVIOUSLY APPROVED CHANGE AND CLARIFY AN EXISTING REQUIREMENT
(TAC NO. 66553)

Re: Clinton Power Station, Unit No. 1

The Commission has issued the enclosed Amendment No.17 to the 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 October 30, 1987.

This amendment revises Technical Specification Figure 3.2.3-1 and Section
3.9.12 in order to clarify an existing requirement concerning the minimum
critical power ratio as a function of core flow (MCPR) and to achieve
consistency with the current wording contained in License Condition 2.D.(b) of
the Full Power Operating License concerning the transfer of irradiated fuel
from the reactor vessel.

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

Sincerely,

151

Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Enclosures:

1. Amendment No.17 to
License No. NPF-62
2. Safety Evaluation

cc w/enclosures:
See next page

PDIII-2 *gas*
JStevens:km
12/19/88

PDIII-2
LLuther
12/12/88

OGC-Rochester
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12/20/88

PDIII-2
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

January 5, 1989

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Acting Manager - Licensing and Safety
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Janice A. Stevens

Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
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cc w/enclosures:
See next page

Mr. Dale L. Holtzscher
Illinois Power Company

Clinton Power Station
Unit 1

cc:

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Chicago, Illinois 60603



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. 17
License No. NPF-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Illinois Power Company* (IP), Soyland Power Cooperative, Inc., and Western Illinois Power Cooperative, Inc. (the licensees) dated October 30, 1987 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 Western Illinois Power Cooperative, Inc. and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

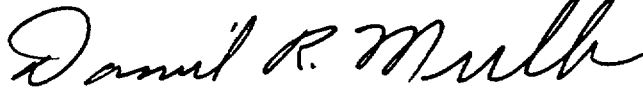
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Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 17, 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

A handwritten signature in dark ink, appearing to read "Daniel R. Muller", is written over the typed name.

Daniel R. Muller, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 5, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 17

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 2-8

3/4 9-19

3/4 9-20

Insert

3/4 2-8

3/4 9-19

3/4 9-20

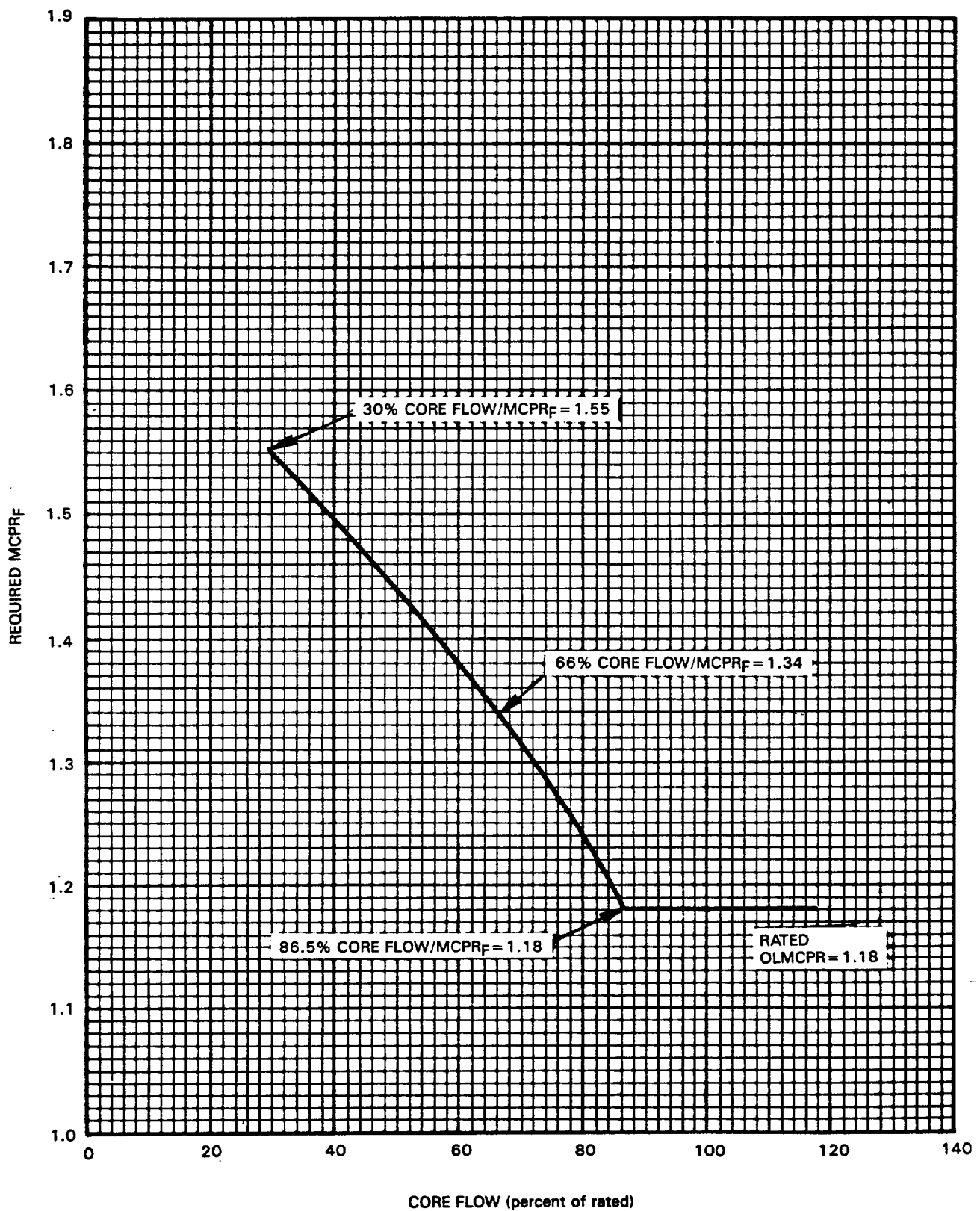


Figure 3.2.3-1. Clinton MCPR_F Versus Core Flow

REFUELING OPERATIONS

3/4.9.12 INCLINED FUEL TRANSFER SYSTEM

LIMITING CONDITION FOR OPERATION

3.9.12 The inclined fuel transfer system (IFTS) may be in operation provided that:

- a. The access doors* of all rooms through which the transfer system penetrates are closed and locked.
- b. All access door* interlocks are OPERABLE.
- c. The blocking valve located in the fuel building IFTS hydraulic power unit is OPERABLE.**
- d. At least one IFTS carriage position indicator is OPERABLE at each carriage position and at least one liquid level sensor is OPERABLE.**
- e. Any keylock switch that provides IFTS access control-transfer system lock-out is OPERABLE.

APPLICABILITY: When the IFTS containment blank flange is removed.

ACTION:

With the requirements of the above specification not satisfied, suspend IFTS operation with the IFTS at either terminal point. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.9.12.1 Within 1 hour prior to the startup and at least once per 12 hours during operation of the IFTS, verify that no personnel are in areas immediately adjacent to the IFTS and that all access doors* to rooms through which the IFTS penetrates are closed and locked.

4.9.12.2 Within 4 hours prior to the operation of IFTS and at least once per 12 hours thereafter, verify that at least one IFTS carriage position indicator is OPERABLE at each carriage position and at least one liquid level indicator is OPERABLE.**

*Includes removable shields.

**The blocking valve in the fuel building IFTS hydraulic power unit and the liquid level indicator are not required to be OPERABLE for the purposes of these specifications prior to offloading irradiated fuel from the reactor vessel.

REFUELING OPERATIONS

INCLINED FUEL TRANSFER SYSTEM

SURVEILLANCE REQUIREMENTS (Continued)

4.9.12.3 Within 4 hours prior to the operation of the IFTS and at least once per 7 days thereafter, verify that:

- a. All access door* interlocks are OPERABLE.
- b. The blocking valve in the Fuel Building IFTS hydraulic power unit is OPERABLE.**
- c. The keylock switches which provide IFTS access or control-transfer system lockout are OPERABLE.

*Includes removable shields.

**The blocking valve in the fuel building IFTS hydraulic power unit and the liquid level indicator are not required to be OPERABLE for the purposes of these specifications prior to offloading irradiated fuel from the reactor vessel.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 17 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 October 30, 1987, the Illinois Power Company, et al. (the licensees) proposed changing the Technical Specifications (TS) for the Clinton Power Station. The proposed amendment included 24 miscellaneous Technical Specifications (TS) change packages. Two of these packages (No. 1 and No. 14) are further discussed in Section 2.0.

A Notice of Consideration of Issuance of Amendment to License and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing related to the requested action was published in the Federal Register on January 27, 1988 (53 FR 2318). No requests for hearing and no public comments were received.

2.0 DISCUSSION AND EVALUATION

The following are descriptions and evaluations of each of the two TS change packages for Clinton Power Station. Neither of the changes involves physical modifications to the facility.

Description of Change; Technical Specifications, Page 3/4 2-8

The proposed change replaces Figure 3.2.3-1, "MCPR_f Versus Core Flow," to correct small graphical errors discovered on the original figure.

Evaluation

The original figure contains a plotted curve of the MCPR_f versus core flow and best-fit equations for the minimum critical power ratio as a function of core flow (MCPR_f). The values for MCPR_f obtained from the curve are slightly less than the values of MCPR_f obtained from the equations. G.E. was consulted by the licensees to develop a new curve which contains the exact Clinton specific values for MCPR_f as obtained from the equations. The differences in the MCPR_f values are insignificant in that the maximum difference between the new and old figure is 0.02 and at no time during operation did the actual MCPR approach the MCPR_f limit determined by either method. The proposed change does not involve any design changes, new requirements, or new modes of operation and is consistent with the accident analysis. The proposed change is considered acceptable.

Description of Change; Technical Specifications, Pages 3/4 9-19 and 3/4 9-20

The proposed change revises the footnote on TS Pages 3/4 9-19 and 3/4 9-20 to incorporate wording contained in the License Condition 2.D.(b) of the Full Power Operating License.

Evaluation

The proposed change is administrative in nature; and does not impact the accident analysis, create the possibility of a new or different kind of accident or involve a significant reduction in the margin of safety. The change is being proposed to reflect a schedular exemption to 10 CFR Part 50, Appendix A, GDC 61, allowing the licensees to perform preoperational testing of the fuel handling system under wet loading conditions prior to off-loading of irradiated fuel, instead of the previously approved time period of before exceeding 5% of rated thermal power. The revision to the footnote to TS 3/4.9.12 allows portions of the fuel handling system to remain inoperable prior to the off-loading of irradiated fuel from the reactor vessel. The TS change is consistent with the Full Power Operating License (NPF-62) Condition 2.D.(b) and Section 14 of Clinton Supplementary Safety Evaluation Report No. 8, and is therefore considered acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment relates to the changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 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.

4.0 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, 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 the health and safety of the public.

Principal Contributor: B. A. Wetzel, Region III

Dated: January 5, 1989