

January 31, 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

Dear Mr. Holtzscher:

SUBJECT:

The Commission has filed the enclosed "Notice of Issuance of Amendment to Facility Operating License" with the Office of the Federal Register for publication. This notice is in regards to Amendment No. 18 of Operating License No. NPF-62 which was issued in response to the Illinois Power Company, et al. request dated September 6, 1988 and supplemented December 22, 1988.

Sincerely,

151

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

Enclosure:
As stated

cc: See next page

DISTRIBUTION

| | | |
|-------------|------------------|-------------|
| Docket file | NRC & Local PDRs | PDIII-2 r/f |
| GHolahan | MVirgilio | DMuller |
| LLuther | JHickman | JStevens |
| OGC | DHagan | ACRS (10) |
| GPA/PA | Plant file | |

8902030173 890131
PDR ADOCK 05000461
P PDC

JBH

PDIII-2
JHickman:km
1/10/89

PDIII-2
LLuther
01/10/89

PDIII-2
DMuller
1/11/89

OF61
1/11



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
January 31, 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

Dear Mr. Holtzscher:

SUBJECT:

The Commission has filed the enclosed "Notice of Issuance of Amendment to Facility Operating License" with the Office of the Federal Register for publication. This notice is in regards to Amendment No. 18 of Operating License No. NPF-62 which was issued in response to the Illinois Power Company, et al. request dated September 6, 1988 and supplemented December 22, 1988.

Sincerely,

A handwritten signature in cursive script, reading "John B. Hickman", is positioned above the typed name.

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

Enclosure:
As stated

cc: See next page

Mr. Dale L. Holtzscher
Illinois Power Company

Clinton Power Station
Unit 1

cc:

Mr. D. P. Hall
Vice President
Clinton Power Station
P. O. Box 678
Clinton, Illinois, 61727

Illinois Department
of Nuclear Safety
Division of Engineering
1035 Outer Park Drive, 5th Floor
Springfield, Illinois 62704

Mr. R. D. Freeman
Manager-Nuclear Station Engineering Dept.
Clinton Power Station
P. O. Box 678
Clinton, Illinois 61727

Mr. Donald Schopfer
Project Manager
Sargent & Lundy Engineers
55 East Monroe Street
Chicago, Illinois 60603

Sheldon Zabel, Esquire
Schiff, Hardin & Waite
7200 Sears Tower
233 Wacker Drive
Chicago, Illinois 60606

Resident Inspector
U. S. Nuclear Regulatory Commission
RR 3, Box 229 A
Clinton Illinois 61727

Mr. L. Larson
Project Manager
General Electric Company
175 Curtner Avenue, N/C 395
San Jose, California 95125

Regional Administrator, Region III
799 Roosevelt Road, Bldg. #4
Glen Ellyn, Illinois 60137

Chairman of DeWitt County
c/o County Clerk's Office
DeWitt County Courthouse
Clinton, Illinois 61727

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. 18 to Facility Operating License No. NPF-62 issued to the Illinois Power Company* (IP), Soyland Power Cooperative, Inc. and Western Illinois Power Cooperative, Inc., (the licensees), for operation of the Clinton Power Station, Unit 1, located in DeWitt County, Illinois.

The amendment consists of proposed changes to the Technical Specifications (TS) related to four issues. The first proposed change would allow the Clinton Power Station (CPS) to perform its first reactor refueling, in which new types of reactor fuel will be utilized, and to proceed with subsequent reactor operation with the reloaded core.

The reload for Cycle 2 is generally a normal reload with no unusual core features or characteristics. Proposed TS changes relate to Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) and Linear Heat Generation Rate (LHGR) limits for the new fuel, MAPLHGR and Minimum Critical Power Ratio (MCPR) limits for all of the fuel using Cycle 2 core and transient parameters.

The second proposed change would permit CPS operation in the maximum extended operating domain (MEOD) with (a) up to a 50°F reduction in feedwater temperature and (b) elimination of APRM setdown.

8902030174 890131
FOR ADJCK 05000461
P PIC

*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.

- 2 -

The MEOD includes expansion of the normal power/flow map into new regions. One region, which involves operation at rated power at lower than rated core flow rates, is called the extended load line region (ELLR). The other region, which involves operation at core flows at up to 107% of rated flow is called the increased core flow region (ICFR). Operation in the ELLR and ICFR permits greater operational flexibility and an improved unit capacity factor.

Reduced feedwater temperatures can arise from the inoperability or degraded performance of individual feedwater heaters or string(s) of feedwater heaters or by deliberate reduction of feedwater heating.

The third proposed change would revise the Remote Shutdown System Controls to include additional control switches for valves 1E12-F068B and 1E12-F014B and circuit breaker 252-AT1AA1.

Current operation of these components, when the normal control switch is inaccessible, requires them to be operated manually. The circuitry is therefore being modified to add control switches for these components. The addition of these control switches will enhance the operation of the Remote Shutdown System to the acceptable methods recognized by the NRC for satisfying GDC-19.

The fourth proposed change consists of several changes to the surveillance requirements for the jet pumps. One would allow present Surveillance Requirement 4.4.1.2 to be performed with THERMAL POWER in excess of 25% of RATED THERMAL POWER instead of the present prior to exceeding 25% OF RATED THERMAL POWER.

- 3 -

Another proposed change also revises Surveillance Requirements 4.4.1.2 by deleting the requirement that the recirculation flow control valves be in the same position when performing the surveillance.

The proposed changes also include combining the sections which currently and separately address single and double loop operation into a single section.

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 licensee's amendment.

Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on November 22, 1988 (53 FR 47285). No request for a 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 this action and has determined not to prepare an 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 September 6, 1988 (2) Amendment No. 18 to License No. NPF-62, and (3) the Environmental Assessment and Finding of No Significant

- 4 -

Impact. All of these items are available for public inspection at the Commission's Public Document Room, 2120 L Street, NW, Washington, DC; 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, DC 20555, Attention: Director, Division of Reactor Projects.

Dated at Rockville, Maryland this 31st day of January 1989.

FOR THE NUCLEAR REGULATORY COMMISSION



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