



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 24, 2000

Mr. Mike Reandeau  
Director - Licensing  
Clinton Power Station  
P.O. Box 678  
Mail Code V920  
Clinton, IL 61727

SUBJECT: CLINTON POWER STATION, UNIT 1 - ISSUANCE OF AMENDMENT  
(TAC NO. MA6330)

Dear Mr. Reandeau:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No.130 to Facility Operating License No. NPF-62 for the Clinton Power Station, Unit 1. The amendment is in response to the application dated August 23, 1999, filed by Illinois Power Company (IP), the licensee at that time. Subsequent to that filing, AmerGen Energy Company, LLC, the current licensee, adopted the license amendment requests submitted by IP. Supplemental information was submitted by AmerGen by letter dated January 8, 2000.

The amendment deletes certain license conditions that are obsolete and no longer apply.

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,

Jon B. Hopkins, Senior Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosures: 1. Amendment No.130 to NPF-62  
2. Safety Evaluation

cc w/encs: See next page

July 24, 2000

Mr. Mike Reandeau  
Director - Licensing  
Clinton Power Station  
P.O. Box 678  
Clinton, IL 61727

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DOCUMENT NAME: G:\PDIII-2\CLINTON\AMD-6330.wpd

\*See previous concurrences

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

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Mike Reandeau

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AmerGen Energy Company, LLC

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

AMERGEN ENERGY COMPANY, LLC

DOCKET NO. 50-461

CLINTON POWER STATION, UNIT 1

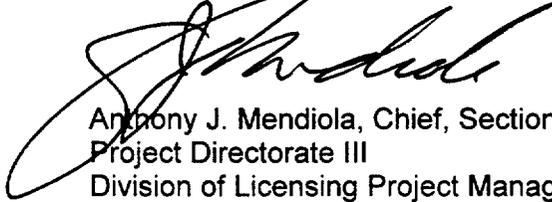
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 130  
License No. NPF-62

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by AmerGen Energy Company, LLC (the licensee), dated August 23, 1999, as supplemented January 8, 2000, 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 Operating License is amended as indicated in the attachment to this license amendment.
3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Anthony J. Mendiola, Chief, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Operating License Replacement  
Pages (3, 4, 5, and 9) and  
Attachment 1

Date of Issuance: July 24, 2000

- (4) AmerGen Energy Company, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (5) AmerGen Energy Company, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and
- (6) AmerGen Energy Company, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and is subject to all applicable provisions of the Act and to the rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

AmerGen Energy Company, LLC is authorized to operate the facility at reactor core power levels not in excess of 2894 megawatts thermal (100 percent rated power) in accordance with the conditions specified herein.

(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. 130, are hereby incorporated into this license. AmerGen Energy Company, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) Antitrust Conditions

Deleted

(4) Control System Failures (Section 7.7.3.1, SER and SSER 6)\*

Deleted

(5) New Fuel Storage (Section 9.1.1, SER, SSER 6 and SSER 7)

AmerGen Energy Company, LLC shall store new fuel assemblies in accordance with the requirements specified in Attachment 2. Attachment 2 is hereby incorporated into this license.

(6) Plant Operation Experience (Section 13.1.2.1, SSER 5)

Deleted

(7) Emergency Planning (Section 13.3, SSER 6)

Deleted

(8) Post-Fuel Loading Initial Test Program (Section 14, SER, SSER 5 and SSER 6)

Deleted

(9) Emergency Response Capabilities (Generic Letter 82-33, Supplement 1 to NUREG-0737, Section 7.5.3.1, SSER 5 and SSER 8, and Section 18, SER, SSER 5 and Safety Evaluation Dated April 17, 1987)

a. Deleted

b. Deleted

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\*The parenthetical notation following the title of many license conditions denotes the section of the Safety Evaluation Report and/or its supplements wherein the license condition is discussed.

License Transfer Conditions

- (10) The AmerGen Limited Liability Company Agreement dated August 18, 1997, and any subsequent amendments as of the date of the Order approving the transfer of this license to AmerGen, may not be modified in any material respect concerning decision-making authority over "safety issues" as defined therein without the prior written consent of the Director, Office of Nuclear Reactor Regulation.
- (11) At least half of the members of AmerGen's Management Committee shall be appointed by a nonforeign member group, all of which appointees shall be U.S. citizens.

- H. AmerGen Energy Company, LLC shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- I. This license is effective as of the date of issuance and shall expire at midnight on September 29, 2026.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Attachments 1 (Deleted) and 2
- 2. Appendix A - Technical Specifications (NUREG-1235)
- 3. Appendix B - Environmental Protection Plan
- 4. Appendix C - Deleted

Date of Issuance: April 17, 1987

ATTACHMENT 1  
TO NPF-62

Deleted

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 130 TO FACILITY OPERATING LICENSE NO. NPF-62

AMERGEN ENERGY COMPANY, LLC

CLINTON POWER STATION, UNIT 1

DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated August 23, 1999, the previous licensee, Illinois Power Company (IP), for Clinton Power Station (CPS), requested an amendment to the Operating License No. NPF-62. By letter dated February 1, 2000, AmerGen Energy Company, LLC, the current licensee, adopted the license amendment requests submitted by IP. The amendment proposes to delete certain license conditions that are obsolete and no longer apply.

Supplemental information was submitted by AmerGen by letter dated January 8, 2000. The supplemental letter deletes one more license condition that has been implemented and is no longer applicable. The supplemental information did not substantially change the amendment request or affect the proposed finding of no significant hazards consideration determination published in the Federal Register (64 FR 51346).

2.0 EVALUATION

Attachment 1 to the License identified two conditions that were open at the time of licensing and were required to be addressed prior to the first refueling outage. Both of these items were followed up by the Nuclear Regulatory Commission (NRC) staff and closed in NRC Inspection Reports (IRs). Specifically, the first condition concerning the fuel handling system preoperational test was closed in IR 50-461/87039 (DRP) and the second condition concerning a survey of high noise areas was closed in IR 50-461/89014 (DRP). The licensee has requested deletion of Attachment 1 and references to it. The NRC staff has reviewed the request, and based on the IRs, the staff finds deletion of Attachment 1 and references to it, acceptable.

License Condition (LC) 2.C(4) required the licensee to submit additional evaluations of control systems failures four months prior to plant startup after the first refueling outage. By letter dated November 18, 1988, the licensee submitted the required information. In that letter, the licensee concluded "...that CPS would be able to withstand the effects of the worst-case non-safety control system failure." The staff has reviewed the request to delete LC 2.C(4) and based on the letter of November 18, 1988, the staff finds that the condition has been completed and it is acceptable to delete the condition from the license.

LC 2.C(7) was a precautionary condition regarding emergency planning, because the Federal Emergency Management Agency (FEMA) had not issued its final approval of the CPS offsite emergency plan at the time of licensing. On August 5, 1987, FEMA issued approval of State and local preparedness, eliminating the need for the precautionary condition LC 2.C(7). The staff has reviewed the request to delete LC 2.C(7) and based on the above, the staff finds it acceptable to delete LC 2.C(7).

LC 2.C(8) required 50.59 changes to the initial test program (ITP) be reported to the NRC within one month of the change. The ITP has been completed and CPS is currently in operating Cycle 7. The staff has reviewed the request to delete LC 2.C(8) and based on the above, the staff finds deletion of LC 2.C(8) to be acceptable.

LC 2.C(9)a required separate electrical power sources to be installed for each fuel zone level channel as provided in Regulatory Guide 1.97 prior to startup from the first refueling outage. The NRC staff verified that this was performed and the item was closed in NRC Inspection Report 50-461/89017 (DRS). The staff has reviewed the request to delete LC 2.C(9)a and based on the above, the staff finds deletion of LC 2.C(9)a to be acceptable.

LC 2.C(9)b required that CPS submit a detailed control room design final supplemental summary report within 90 days of issuance of the full power license. The report was submitted by letter dated January 27, 1989. Additionally, by letter dated April 14, 1989, the licensee stated that all actions associated with the condition had been completed and requested eliminating the condition. The NRC staff issued a safety evaluation dated June 8, 1990, concluding that the licensee had met the detailed control room design review requirements of Supplement 1 to NUREG-0737. The staff has reviewed the request and based on the above, the staff finds deletion of LC 2.C(9)b to be acceptable.

Improved Standard Technical Specifications (ISTS) were approved for CPS by license Amendment No. 95 dated December 2, 1994. A condition was added under LC 2.C(2) to extend the Surveillance Requirements (SRs) of some technical specifications (TS) in order to facilitate implementation of ISTS. Implementation of ISTS was completed in 1995, including the SRs identified in the license condition. Therefore, the licensee has requested that this condition be deleted from the license.

The NRC staff has reviewed the request to delete the condition facilitating ISTS implementation and based on the completion of the ISTS implementation, the staff finds the deletion to be acceptable.

### 3.0 STATE CONSULTATION

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

### 4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has 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 the amendment involves no significant hazards consideration and there has been no public comment on such finding (64 FR 51346). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). 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: J. Hopkins

Date: July 24, 2000