

August 15, 1988

Docket Nos.: 50-461

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

DISTRIBUTION:

Docket File	JPartlow
NRC & Local PDRs	TBarnhart (4)
PDIII-2 R/F	Wanda Jones
DCrutchfield	EButcher
GHolahan	ACRS (10)
LLuther	ARM/LFMB
JStevens	GPA/PA
OGC-WF	PDIII-2 Plant File
DHagan	
EJordan	

Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST CONCERNING  
EMERGENCY DC BATTERY LOADS (TAC NO. 66553)

Re: Clinton Power Station, Unit 1

The Commission has issued the enclosed Amendment No. 8 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 Section 4.8.2.1 concerning emergency DC battery loads. This change to Specification 4.8.2.1.d.2.b is necessary in order to accurately reflect the 4-hour Division II battery emergency loading profile which was not previously taken into account.

A copy of our Safety Evaluation is also enclosed. Notice of issuance will be included in a 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. 8 to License No. NPF-62
2. Safety Evaluation

cc:

See next page

8808290085 880815  
PDR ADOCK 05000461  
P PNU

JFO  
11

\*SEE PREVIOUS PAGE

OFC	: PDIII-2:PM	: PDIII-2:LA	: SPLB	: OGC-WF	: PDIII-2:PD	:	:
NAME	: JStevens*	: LLuther*	: JCraig*	:	: DMuller*	:	:
DATE	: 8/8/88	: 8/3/88	: 8/13/88	: 8/28/88	: 8/14/88	:	:

August 15, 1988

Docket No. 50-461

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

DISTRIBUTION:

Docket File  
NRC & Local PDRs  
PDIII-2 R/F  
DCrutchfield  
GHolahan  
LLuther  
JStevens  
OGC-WF  
DHagan  
GPA/PA  
ACRS (10)  
PDIII-2 Plant File

Dear Mr. Spangenberg:

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.8 of Operating License No. NPF-62 which was issued in response to Illinois Power Company, et al. request dated October 30, 1987.

Sincerely,

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

Enclosure:  
As stated

cc: See next page

\*SEE PREVIOUS PAGE

OFC	:PDIII-2:PM	:PDIII-2:LA	:PDIII-2:PD	:	:	:
NAME	:JStevens:ps*	:LLuther*	:DMuller*	:	:	:
DATE	:7/8/88	:7/13/88	:7/14/88	:	:	:

OFFICIAL RECORD COPY

August 15, 1988

Docket No.: 50-461

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

DISTRIBUTION

Docket file	OGC Bethesda
NRC & Local PDRs	D. Hagan
PDIII-2 R/F	ACRS (10)
D. Crutchfield	GPA/PA
PDIII-2 Plant file	L. Luther
J. Stevens	

Dear Mr. Spangenberg:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -  
TECHNICAL SPECIFICATION CHANGE CONCERNING EMERGENCY DC BATTERY LOADS  
(TAC NO. 66553)

RE: CLINTON POWER STATION, UNIT 1

Pursuant to 10 CFR 51.119, the Commission has requested the Office of the Federal Register to publish the enclosed "Environmental Assessment and Finding of No Significant Impact." This notice is in regard to your request dated October 30, 1987 for changes to the Technical Specifications (TSs) concerning emergency DC battery loads.

Sincerely,

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

Enclosures:

1. Environmental Assessment and Finding of No Significant Impact
2. Safety Evaluation

cc:  
See next page

PDIII-2:PM JStevens:km 7/8/88	PDIII-2:LA LLuther 7/12/88
-------------------------------------	----------------------------------

PDIII-2:PD DMiller 7/13/88
----------------------------------

OGC CB aut  
7/20/88  
Subject to  
noted changes  
in SER

(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 15th day of August 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

151

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

DISTRIBUTION

Docket File	OGC Bethesda
NRC & Local PDRs	D. Hagan
PDIII-2 Rdg. File	ACRS (10)
D. Crutchfield	GPA/PA
L. Luther	PDIII-2 Plant file
J. Stevens	

PDIII-2:PM <i>ps</i>	PDIII-2:LA	PDIII-2:PD
JStevens:ps	LLuther	DMuller
7/8/88	8/3/88	7/14/88

Docket Nos.: 50-461

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

DISTRIBUTION:  
Docket File  
NRC & Local PDRs  
PDIII-2 R/F  
DCrutchfield  
GHolahan  
LLuther  
JStevens  
OGC-WF  
DHagan  
EJordan

*BGRIMES*  
JPartlow  
TBarnhart (4)  
Wanda Jones  
EButcher  
ACRS (10)  
ARM/LFMB  
GPA/PA  
PDIII-2 Plant File

Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST CONCERNING  
EMERGENCY DC BATTERY LOADS (TAC NO. 66553)

Re: Clinton Power Station, Unit 1

The Commission has issued the enclosed Amendment No. 4 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 Section 4.8.2.1 concerning emergency DC battery loads. This change to Specification 4.8.2.1.d.2.b is necessary in order to accurately reflect the 4-hour Division II battery emergency loading profile which was not previously taken into account.

A copy of our Safety Evaluation is also enclosed. Notice of issuance will be included in a Federal Register notice.

Sincerely,

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

Enclosures:

- Amendment No. 4 to License No. NPF-62
- Safety Evaluation

cc:  
See next page

OFC	:PDIII-2:PM	:PDIII-2:LA	:SPLB SELB	:OGC-WF	:PDIII-2:PD	:	:
NAME	:JStevens	:LLuther	:JCrutchfield	:FRosq	:DMorgan	:	:
DATE	:7/8/88	:7/3/88	:7/13/88	:7/28/88	:7/14/88	:	:

Docket No. 50-461

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

DISTRIBUTION:

Docket File  
NRC & Local PDRs  
PDIII-2 R/F  
DCrutchfield  
GHolahan  
LLuther  
JStevens  
OGC-WF  
DHagan  
GPA/PA  
ACRS (10)  
PDIII-2 Plant File

Dear Mr. Spangenberg:

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. 4 of Operating License No. NPF-62 which was issued in response to Illinois Power Company, et al. request dated October 30, 1987.

Sincerely,

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

Enclosure:  
As stated

cc: See next page

OFC	: PDIII-2:PM	: PDIII-2:LA	: PDIII-2:PD	:	:
NAME	: JStevens:ps	: LLuther	: JStevens	:	:
DATE	: 7/8/88	: 7/3/88	: 7/14/88	:	:

OFFICIAL RECORD COPY

August 15, 1988

Docket Nos.: 50-461

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

DISTRIBUTION:

Docket File	JPartlow
NRC & Local PDRs	TBarnhart (4)
PDIII-2 R/F	Wanda Jones
DCrutchfield	EButcher
GHolahan	ACRS (10)
LLuther	ARM/LFMB
JStevens	GPA/PA
OGC-WF	PDIII-2 Plant File
DHagan	
EJordan	

Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST CONCERNING  
EMERGENCY DC BATTERY LOADS (TAC NO. 66553)

Re: Clinton Power Station, Unit 1

The Commission has issued the enclosed Amendment No. 8 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 Section 4.8.2.1 concerning emergency DC battery loads. This change to Specification 4.8.2.1.d.2.b is necessary in order to accurately reflect the 4-hour Division II battery emergency loading profile which was not previously taken into account.

A copy of our Safety Evaluation is also enclosed. Notice of issuance will be included in a 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. 8 to License No. NPF-62
2. Safety Evaluation

cc:  
See next page

\*SEE PREVIOUS PAGE

IFC	: PDIII-2:PM	: PDIII-2:LA	: SPLB	: OGC-WF	: PDIII-2:PD	:	:
NAME	: JStevens*	: LLuther*	: JCraig*	:	: DMuller*	:	:
DATE	: 8/8/88	: 8/13/88	: 8/13/88	: 8/28/88	: 8/14/88	:	:

August 15, 1988

Docket No. 50-461

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

DISTRIBUTION:

Docket File  
NRC & Local PDRs  
PDIII-2 R/F  
DCrutchfield  
GHolahan  
LLuther  
JStevens  
OGC-WF  
DHagan  
GPA/PA  
ACRS (10)  
PDIII-2 Plant File

Dear Mr. Spangenberg:

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. 8 of Operating License No. NPF-62 which was issued in response to Illinois Power Company, et al. request dated October 30, 1987.

Sincerely,

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

Enclosure:  
As stated

cc: See next page

\*SEE PREVIOUS PAGE

JFC	:PDIII-2:PM	:PDIII-2:LA	:PDIII-2:PD	:	:	:
JAME	:JStevens:ps*	:LLuther*	:DMuller*	:	:	:
JATE	:7/8/88	:7/13/88	:7/14/88	:	:	:

OFFICIAL RECORD COPY

August 15, 1988

Docket No.: 50-461

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

DISTRIBUTION

Docket file	OGC Bethesda
NRC & Local PDRs	D. Hagan
PDIII-2 R/F	ACRS (10)
D. Crutchfield	GPA/PA
PDIII-2 Plant file	L. Luther
J. Stevens	

Dear Mr. Spangenberg:

**SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT - TECHNICAL SPECIFICATION CHANGE CONCERNING EMERGENCY DC BATTERY LOADS (TAC NO. 66553)**

**RE: CLINTON POWER STATION, UNIT 1**

Pursuant to 10 CFR 51.119, the Commission has requested the Office of the Federal Register to publish the enclosed "Environmental Assessment and Finding of No Significant Impact." This notice is in regard to your request dated October 30, 1987 for changes to the Technical Specifications (TSs) concerning emergency DC battery loads.

Sincerely,

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

Enclosures:

1. Environmental Assessment and Finding of No Significant Impact
2. Safety Evaluation

cc:  
See next page

PDIII-2:PM  
JStevens:km  
7/8/88

PDIII-2:LA  
LLuther  
7/12/88

PDIII-2:PD  
DMiller  
7/13/88

OGC CB aut  
7/20/88  
Subject to  
noted changes  
in SER

(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 15th day of August 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

151

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

DISTRIBUTION

Docket File	OGC Bethesda
NRC & Local PDRs	D. Hagan
PDIII-2 Rdg. File	ACRS (10)
D. Crutchfield	GPA/PA
L. Luther	PDIII-2 Plant file
J. Stevens	

PDIII-2:PM  
JStevens:ps  
7/8/88

PDIII-2:LA  
LLuther  
8/3/88

PDIII-2:PD  
DMuller  
7/14/88



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

August 15, 1988

Docket No.: 50-461

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

Dear Mr. Spangenberg:

SUBJECT: TECHNICAL SPECIFICATION CHANGE REQUEST CONCERNING  
EMERGENCY DC BATTERY LOADS (TAC NO. 66553)

Re: Clinton Power Station, Unit 1

The Commission has issued the enclosed Amendment No. 8 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 Section 4.8.2.1 concerning emergency DC battery loads. This change to Specification 4.8.2.1.d.2.b is necessary in order to accurately reflect the 4-hour Division II battery emergency loading profile which was not previously taken into account.

A copy of our Safety Evaluation is also enclosed. Notice of issuance will be included in a Federal Register notice.

Sincerely,

*Janice A. Stevens*

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

Enclosures:

1. Amendment No. 8 to  
License No. NPF-62
2. Safety Evaluation

cc:

See next page

Mr. Frank A. Spangenberg  
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

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

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

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

Mr. Donald Schopfer  
Project Manager  
Sargent & Lundy Engineers  
55 East Monroe Street  
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. 8  
License No. NPF-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the 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:

(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

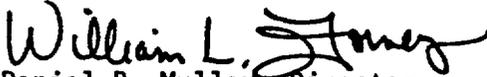
\*Illinois Power Company is authorized to act as agent for Soyland Power Cooperative, Inc. and Western Illinois Power Cooperative, Inc. and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

8808290095 880815  
PDR ADOCK 05000461  
PNU

through Amendment No. 8, are hereby incorporated into this license. IP 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

*for*   
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: August 15, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 8

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 8-14

Insert

3/4 8-14

ELECTRICAL POWER SYSTEMS

DC SOURCES - OPERATING

SURVEILLANCE REQUIREMENTS (Continued)

---

4.8.2.1 (Continued)

b) Division II

- > 462 amperes for the first 60 seconds
- > 296 amperes for the next 59 minutes
- ≥ 108 amperes for the next 180 minutes

c) Division III

- > 112 amperes for the first 60 seconds
- ≥ 52 amperes for the next 239 minutes

d) Division IV

- > 127 amperes for the first 60 seconds
- > 117 amperes for the next 59 minutes
- ≥ 44 amperes for the next 180 minutes

- e. At least once per 60 months, during shutdown, by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. Once per 60 month interval, this performance discharge test may be performed in lieu of the battery service test.
- f. At least once per 18 months, during shutdown, performance discharge tests of battery capacity shall be given to any battery that shows signs of degradation or has reached 85% of the service life expected for the application. Degradation is indicated when the battery capacity drops more than 10% of rated capacity from its average on previous performance tests, or is below 90% of the manufacturer's rating.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. TO FACILITY OPERATING LICENSE NO. NPF-62

ILLINOIS POWER COMPANY, ET AL

CLINTON POWER STATION, UNIT 1

DOCKET NO. 50-461

1.0 INTRODUCTION

By letter dated October 30, 1987, Illinois Power Company requested changes to the Clinton Power Station Unit 1 Technical Specifications. Package Number 13 of Attachment 3 to that letter contained proposed changes to the battery portion of the Technical Specifications. The following evaluation addresses only those changes identified in Package Number 13 of the licensees' letter.

2.0 EVALUATION

Package Number 13 of Attachment 3 to the licensees' October 30, 1987 letter requested a change to Technical Specification 4.8.2.1.d.2.b. to accurately reflect the 4-hour Division II battery emergency loading profile. The purpose of this profile is to define the level of loading in amperes that the battery would have to supply for a specific time period during an emergency condition with the battery charger inoperable. The Technical Specification requires a demonstration once every 18 months during shutdown that the battery can supply a dummy load of that profile or that it can supply the actual emergency loads.

A review conducted by the licensees determined that a Division II load (Fire Protection distribution panel) was not considered for this profile during a previous plant modification review. The proposed Technical Specification change therefore increases the emergency loading profile of the Division II battery by 10 amperes. This increases the first, second, and third periods of the battery emergency loading profile to 462 amperes, 296 amperes, and 108 amperes respectively.

The licensees state that the battery capacity has been evaluated using the new loading profile to ensure its capability of supporting required design basis accident loads. The staff has determined that the change in battery load is not significant in comparison to the battery capacity and that the batteries are capable of supplying the new loads now and at the end of their twenty year life per IEEE 485.

8808290109 880815  
PDR ADOCK 05000461  
P PNU

### 3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and finding of no significant impact have been prepared and published (53 FR 30359) in the Federal Register on August 11, 1988. 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.

Based on the relatively small increase in battery loading and the battery's capability of supplying the new loading, the staff concludes that the Division II battery will continue to provide its original 4 hour endurance under the new emergency loading profile. The staff therefore approves this Technical Specification change request.

### 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: J. Lazevinick, SELB/DEST

Dated: August 15, 1988



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
August 15, 1988

Docket No.: 50-461

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

Dear Mr. Spangenberg:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -  
TECHNICAL SPECIFICATION CHANGE CONCERNING EMERGENCY DC BATTERY LOADS  
(TAC NO. 66553)

RE: CLINTON POWER STATION, UNIT 1

Pursuant to 10 CFR 51.119, the Commission has requested the Office of the Federal Register to publish the enclosed "Environmental Assessment and Finding of No Significant Impact." This notice is in regard to your request dated October 30, 1987 for changes to the Technical Specifications (TSs) concerning emergency DC battery loads.

Sincerely,

*Janice A. Stevens*

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

Enclosures:

1. Environmental Assessment and  
Finding of No Significant Impact
2. Safety Evaluation

cc:  
See next page

8808290126 880815  
PDR ADOCK 05000461  
P PNU

7590-01

UNITED STATES NUCLEAR REGULATORY COMMISSION

ILLINOIS POWER COMPANY, ET AL.

DOCKET NO. 50-461

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to the Illinois Power Company\* (IP), Soyland Power Cooperative, Inc. and Western Illinois Power Cooperative, Inc., (the licensees) for Clinton Power Station, Unit 1, located in DeWitt County, Illinois.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: In general, the proposed license amendment would revise Technical Specification (TS) Section 4.8.2.1.d.2.b in order to accurately reflect the 4-hour Division II battery emergency loading profile. The licensees proposed to increase the emergency loading profile of the Division II battery by 10 amperes. This increases the first, second, and third periods of the battery emergency loading profile to 462 amperes, 296 amperes, and 108 amperes, respectively.

This revision to the Clinton Power Station license would be made in response to the licensees' application for amendment dated October 30, 1987.

BB08290136 BB0815  
PDR ADDCK 05000461  
P PNU

\*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.

The Need for the Proposed Action: Pursuant to 10 CFR 50.90, IP, et al. have proposed an amendment to Facility Operating License No. NPF-62 in order to accurately reflect the 4-hour Division II battery emergency loading profile.

The purpose of this profile is to define the level of loading in amperes that the battery would have to supply for a specific time period during an emergency condition with the battery charger inoperable. The Technical Specification requires a demonstration once every 18 months during shutdown that the battery can supply a dummy load of that profile or that it can supply the actual emergency loads.

A review conducted by the licensees determined that a Division II load (Fire Protection distribution panel) was not considered for this profile during a previous plant modification review. The proposed Technical Specification change therefore increases the emergency loading profile of the Division II battery by 10 amperes. This increases the first, second, and third periods of the battery emergency loading profile to 462 amperes, 296 amperes, and 108 amperes, respectively.

Environmental Impacts of the Proposed Action: The licensees stated that the battery capacity has been evaluated using the new loading profile to ensure its capability of supporting required design basis accident loads. The staff has determined that the change in battery load is not significant in comparison to the battery capacity and that the batteries are capable of supplying the new loads now and at the end of their twenty year life per IEE 485.

Based on the relatively small increase in battery loading and the battery's capability of supplying the new loads, the staff concludes that the Division II battery will continue to provide its original 4-hour endurance under the new emergency loading profile.

The Commission has determined that potential radiological releases during normal operations, transients, and for accidents would not be increased. With regard to non-radiological impacts, the proposed amendment involves systems located entirely within the restricted area as defined in 10 CFR Part 20. They do not affect non-radiological plant effluents and have no other environmental impact. Therefore, the staff also concludes that there are no significant non-radiological environment impacts associated with the proposed amendment.

Accordingly, the Commission findings in the "Final Environmental Statement related to the operation of Clinton Power Station, Unit No. 1" dated May 1982 regarding radiological environmental impacts from the plant during normal operation or after accident conditions, are not adversely altered by this action. IP is committed to operate Clinton, Unit 1 in accordance with standards and regulations to maintain occupational exposure levels "as low as reasonably achievable".

Alternative to the Proposed Actions: The principal alternative would be to deny the requested amendment. This alternative, in effect, would be the same as a "no action" alternative. Since the Commission has concluded that no adverse environmental effects are associated with this proposed action, any alternatives with equal or greater environmental impact need not be evaluated.

Alternative Use of Resources: This action does not involve the use of resources not previously considered in connection with the Nuclear Regulatory Commission's Final Environmental Statement dated May 1982 related to this facility.

Agencies and Persons Consulted: The NRC staff reviewed the licensees' request of October 30, 1987 and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT: The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon this Environmental Assessment, the Commission concludes that the proposed action will not have a significant adverse effect on the quality of the human environment.

For further details with respect to this action, see the request for amendment dated October 30, 1987 and the Final Environmental Statement for the Clinton Power Station dated May 1982, which are available for public inspection at the Commission' Public Document Room, 1717 H Street, N.W., Washington, D.C. 20555 and at the Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727.

Dated at Rockville, Maryland this 4th day of August 1988.

FOR THE NUCLEAR REGULATORY COMMISSION



Leonard N. Olshan, Acting Director  
Project Directorate III-2  
Division of Reactor Projects III,  
IV, V and Special Projects



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

August 15, 1988

Docket No. 50-461

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

Dear Mr. Spangenberg:

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. 8 of Operating License No. NPF-62 which was issued in response to Illinois Power Company, et al. request dated October 30, 1987.

Sincerely,

*Janice A. Stevens*

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

Enclosure:  
As stated

cc: See next page

8808290145 880815  
PDR ADOCK 05000461  
P PNU

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

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 8 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.

This amendment consists of a proposed change to Technical Specification Section 4.8.2.1 concerning emergency DC battery loads. During the review of a plant modification, the licensees determined that the emergency DC battery loads had changed. As a result, changes were made to the low power operating license Technical Specifications in order to reflect the revised loading. Based upon subsequent review by the licensees, it has been determined that a Division II load (Fire Protection distribution panel) had not originally been

\*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.

8808290152 880815  
PDR ADOCK 05000461  
P PNU

taken into account. Thus a change to Specification 4.8.2.1.d.2.b was required in order to accurately reflect the 4-hour Division II battery emergency loading profile.

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 February 16, 1988 (53 FR 4476). No request for a hearing or petition of leave to intervene was filed following this notice.

The Commission has prepared an Environmental Assessment related to the action and has determined not to prepare an environmental impact statement. Based upon the Environmental Assessment, the Commission has concluded that the issuance of the 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 October 30, 1987, (2) Amendment No. 8 to License No. NPF-62, and (3) Environmental Assessment and Finding of No Significant Impact. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W.; and at the Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727. A copy of items (2) and

- 3 -

(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 15th day of August 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "Daniel R. Muller". The signature is written in a cursive style with a large, prominent initial 'D'.

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