

March 23, 1993

Docket No. 50-461

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

Dear Mr. Spangenberg:

SUBJECT: CLINTON POWER STATION, UNIT 1 - ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT (TAC NO. M85482)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated October 16, 1992 (U-602052), as supplemented on February 17, 1993 (U-602099), for amendment to the Clinton Technical Specifications to support compliance with the new requirements of Title 10 of the Code of Federal Regulations, Part 20.

This assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by:

Douglas V. Pickett, Project Manager  
Project Directorate III-2  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
Environmental Assessment

cc w/enclosure:  
See next page

DISTRIBUTION: Docket File  
NRC & Local PDRs PDIII-2 r/f  
J. Roe J. Zwolinski  
J. Dyer C. Moore  
D. Pickett OGC  
E. Jordan ACRS (10)  
OPA B. Clayton RIII

**NRC FILE**

OFC	LA: PDIII-2	PM: PDIII-2	D: PDIII-2	OGC
NAME	CMOORE	DPICKETT	JDYER	S. Horn
DATE	3/19/93	3/19/93	3/23/93	3/12/93

9303260174 930323  
PDR ADOCK 05000461  
PDR

*Handwritten signature/initials*

Mr. Frank A. Spangenberg  
Illinois Power Company

Clinton Power Station  
Unit No. 1

cc:

Mr. J. S. Perry  
Vice President  
Clinton Power Station  
Post Office Box 678  
Clinton, Illinois 61727

Illinois Department  
of Nuclear Safety  
Office of Nuclear Facility Safety  
1035 Outer Park Drive  
Springfield, Illinois 62704

Mr. J. A. Miller  
Manager Nuclear Station  
Engineering Department  
Clinton Power Station  
Post Office 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

Ms. K. K. Berry  
Licensing Services Manager  
General Electric Company  
175 Curtner Avenue, M/C 382  
San Jose, California 95125

Regional Administrator, Region III  
799 Roosevelt Road, Building 4  
Glen Ellyn, Illinois 60137

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

Mr. Robert Neumann  
Office of Public Counsel  
State of Illinois Center  
100 W. Randolph, Suite 11-300  
Chicago, Illinois 60601

UNITED STATES NUCLEAR REGULATORY COMMISSION

ILLINOIS POWER COMPANY, ET AL.

DOCKET NO. 50-461

CLINTON POWER STATION, UNIT 1

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-62, issued to the Illinois Power Company (the licensee), for operation of the Clinton Power Station, Unit 1, located in DeWitt County, Illinois.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action

The proposed amendment would consist of revisions to 10 CFR Part 20 references to recognize the new section numbers, revise definitions to ensure consistency with 10 CFR Part 20, and change administrative controls for recordkeeping to maintain compliance with the new Part 20. The changes ensure compliance with 10 CFR 50.36a and 10 CFR 50, Appendix I, and result in levels of radioactive materials in effluents being maintained as low as reasonably achievable. The revision to the high radiation area controls and dose measurement distance will ensure areas are conservatively posted as high radiation areas in compliance with 10 CFR 20.1601(a)(1) and provide controls to ensure individuals are not overexposed. In addition, the changes revise the limitations on concentrations of radioactive material released in liquid effluents and the limitations on the dose rate resulting from radioactive material released in gaseous effluents, and reflect the relocation of the prior 10 CFR 20.106 requirements to the new 10 CFR 20.1302.

The proposed action is in accordance with the licensee's application for amendment dated October 16, 1992, as supplemented February 17, 1993.

#### The Need for the Proposed Action

The proposed action is needed in order to retain operational flexibility consistent with 10 CFR Part 50, Appendix I, concurrent with the implementation of the revised 10 CFR Part 20.

#### Environmental Impacts of the Proposed Action

The proposed revision, in regards to the actual release rates as referenced in the Technical Specifications (TS) as a dose rate to the maximally exposed member of the public, will not increase the types or amounts of effluents that may be released offsite, nor increase individual or cumulative occupational radiation exposures. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed amendment.

With regard to potential nonradiological impacts, the proposed changes do not affect nonradiological effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendment.

#### Alternative to the Proposed Action

Since the Commission concluded that there are no significant environmental impacts associated with the proposed amendment to the TS, any alternative to the amendment will have no significantly different environmental impact nor greater environmental impact. The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts as a result of plant operation.

Alternative Use of Resources

This action does not involve the use of resources not previously considered in the Final Environmental Statement related to the operation of the Clinton Power Station, Unit 1, dated May 1982.

Agencies and Persons Consulted

The Commission's staff reviewed the licensee's request and did not consult other agencies or persons.

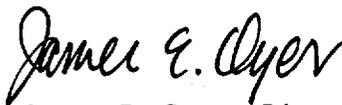
FINDING OF NO SIGNIFICANT IMPACT

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

For further details with respect to this action, see the application for amendment dated October 16, 1992, as supplemented February 17, 1993, which are available for public inspection at the Commission's Public Document Room, 2120 L Street, NW., Washington, DC and at the Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727.

Dated at Rockville, Maryland, this 23rd day of March 1993.

FOR THE NUCLEAR REGULATORY COMMISSION



James E. Dyer, Director  
Project Directorate III-2  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation