

August 6, 1990

Docket No. 50-461

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

Dear Mr. Spangenberg:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -
TECHNICAL SPECIFICATION CHANGES TO REMOVE THE REQUIREMENT FOR
ISOLATION OF THE CONTAINMENT MONITORING AND PROCESS SAMPLING
SYSTEMS UPON A CONTAINMENT BUILDING EXHAUST HIGH RADIATION
SIGNAL FOR CLINTON POWER STATION, UNIT 1 (TAC 73801)

Enclosed is a copy of an "Environmental Assessment and Finding of No
Significant Impact" related to your request dated February 5, 1988 for
changes to the Technical Specifications isolation requirements for the
Containment Monitoring and Process Sampling Systems. The environmental
assessment has been forwarded to the Office of the Federal Register for
publication.

Sincerely,

original signed by

John B. Hickman, Project Manager
Project Directorate III-3
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
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Mr. Frank A. Spangenberg
Illinois Power Company

Clinton Power Station
Unit 1

cc: Mr. J. S. Perry
Vice President
Clinton Power Station
P. O. 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
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

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

UNITED STATES NUCLEAR REGULATORY COMMISSIONILLINOIS POWER COMPANY, ET AL.DOCKET NO. 50-461ENVIRONMENTAL ASSESSMENT AND FINDING OFNO SIGNIFICANT IMPACT

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

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action

The licensees have requested a license amendment that would revise the Technical Specifications (TS) to remove the requirement for isolation of the Containment Monitoring (CM) and Process Sampling Systems (PS) upon a Containment Building Exhaust High Radiation signal. This proposed change would remove the isolation requirement for the CM and PS systems upon a Containment Exhaust Duct High Rad signal from section 3/4.3.2, the Containment and Reactor Vessel Isolation Control System. The change would also revise the list of containment isolation valves in section 3.6.4 to delete the Containment Exhaust Duct High Rad trip from the list of isolation signals for the affected CM and PS valves.

This revision to the Clinton Power Station TS would be made in response to the licensee's application for amendment dated February 5, 1988.

The Need for the Proposed Action

IP, et al., have proposed an amendment to Facility Operating License No. NPF-62 which consists of changes to the TS. The current TS require that the CM and PS systems automatically isolate from a Containment Building Exhaust High Radiation signal. However, the CM and PS systems are designed to be operable at post-accident radiation levels. The CM and PS systems are closed loops and have small diameter containment penetrations. Therefore, in order to increase the system operational flexibility the licensee proposes to delete the isolation requirement.

Environmental Impacts of the Proposed Action

The proposed changes would delete an isolation that is not a requirement for high containment radiation conditions. The CM and PS systems would continue to be isolated on a Loss of Coolant Accident (LOCA) signal. The LOCA isolation function would not be affected by this proposed change. No changes to plant design are proposed.

The Commission has concluded that these changes do not significantly increase the probability or consequences of any accident and that potential radiological releases during normal operations or transients would not be increased. With regard to nonradiological impacts, the proposed amendment involves systems located within the restricted area as defined in 10 CFR Part 20. They do not affect nonradiological plant effluents and have no other environmental impact. Therefore, the staff also concludes that there are no significant nonradiological environmental 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."

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the Federal Register on June 14, 1988 (53 FR 22246). No request for hearing or petition for leave to intervene was filed following this notice.

Alternative to the Proposed Action

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 there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

Alternative Use of Resources

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

Agencies and Persons Consulted

The NRC staff reviewed the licensee's request of February 5, 1988 and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

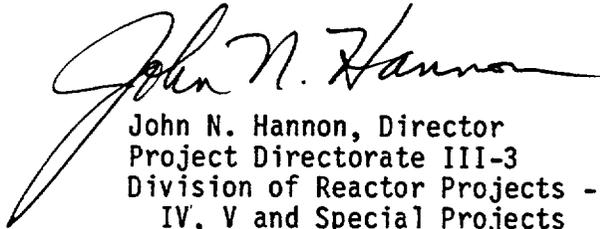
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the request for amendment dated February 5, 1988 and the Final Environmental Statement for the Clinton Power Station dated May 1982, which are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727.

Dated at Rockville, Maryland, this 6th day of August 1990.

FOR THE NUCLEAR REGULATORY COMMISSION



John N. Hannon, Director
Project Directorate III-3
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation