

April 27, 1990

Docket No. 50-440

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Mr. Alvin Kaplan, Vice President
Nuclear Group
The Cleveland Electric Illuminating
Company
10 Center Road
Perry, Ohio 44081

Dear Mr. Kaplan:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -
TURBINE FIRST STAGE PRESSURE TECHNICAL SPECIFICATION CHANGE
REQUEST (TAC NO. 68272)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This environmental assessment relates to your application dated May 20, 1988, as supplemented November 27, 1989.

This environmental assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

/s/

Timothy G. Colburn, Sr. 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: See next page

DOCUMENT NAME: 68272 EA

Office: LA/PDIII-3
Surname: PKreutzer
Date: 4/18/90

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for JHannon
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UNITED STATES NUCLEAR REGULATORY COMMISSION
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL.

DOCKET NO. 50-440

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-58, issued to the Cleveland Electric Illuminating Company, Duquesne Light Company, Ohio Edison Company, Pennsylvania Power Company, and Toledo Edison Company (the licensees), for operation of the Perry Nuclear Power Plant, Unit No. 1, located in Lake County, Ohio.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action

The proposed amendment would revise the provisions in the Technical Specifications (TS) relating to the Setpoint and Allowable Value for Turbine First Stage Pressure bypass in notes (h) and (b) of Tables 3.3.1-1 and 3.3.4.2-1, respectively, of the TS.

The proposed action is in accordance with the licensees' application for amendment dated May 20, 1988, as supplemented by a letter dated November 27, 1989.

The Need for the Proposed Action

The proposed change to the TS is required in order to establish more accurate setpoints and allowable values based upon startup testing data

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rather than pre-operational calculations. This would provide for additional margin to protect against inadvertent scrams at low power while still providing for initiation of anticipatory turbine trip reactor scrams and end-of-cycle recirculation pump trip functions prior to exceeding 40 percent of rated thermal power.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to TS and concludes that the proposed change more accurately represents the Setpoint and Allowable Value for turbine first stage pressure and, therefore, is acceptable. Further, since the basis for the setpoint remains unchanged, there is no significant safety impact associated with the proposed change. Accordingly, the Commission concludes that this proposed action would result in no significant radiological environmental impact.

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the Federal Register on March 30, 1990 (55 FR 12075). No request for hearing or petition for leave to intervene was filed following this notice.

With regard to potential nonradiological impacts, the proposed change to the TS involves a change to the trip setpoints and allowable values for equipment located within the protected area of the plant. It does not affect nonradiological plant effluents and has 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 effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts of plant operation and would result in reduced operational flexibility.

Alternative Use of Resources

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Perry Nuclear Power Plant, Unit No. 1, dated August 1982.

Agencies and Persons Consulted

The NRC staff reviewed the licensees' request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

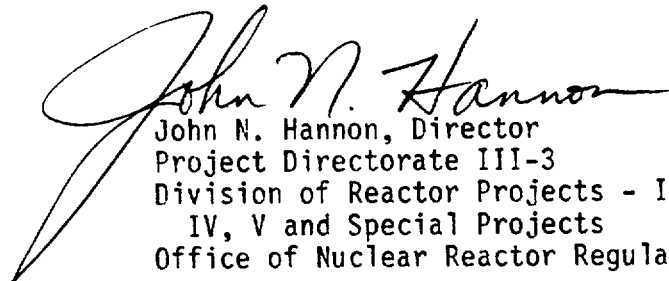
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

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 application for amendment dated May 20, 1988 and a supplement dated November 27, 1989, which are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Perry Public Library, 3753 Main Street, Perry, Ohio 44081.

Dated at Rockville, Maryland, this 27th day of April 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