

May 16, 1989

Docket No. 50-440

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

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Dear Mr. Kaplan:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -
TS CHANGE REQUEST - ADDITION OF TWO CONTAINMENT ISOLATION VALVES
(TAC NO. 71913) PERRY UNIT 1

Enclosed for your information is a copy of an "Environmental Assessment
and Finding of No Significant Impact" relating to your application dated
January 18, 1989 for amendment to Facility Operating License No. NPF-58 for
the Perry Nuclear Power Plant, Unit No. 1. This assessment was forwarded to
the Office of the Federal Register for publication.

Sincerely,

51
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 w/enclosure:
See next page

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Surname: PKreutzer
Date: *5/13/89*

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Perry Nuclear Power Plant
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UNITED STATES NUCLEAR REGULATORY COMMISSION
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL.
DOCKET 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 Tables 3.6.4.1 and 3.3.7.4-1 of the Technical Specifications (TS) to add two additional automatic containment isolation valves to the Containment Isolation Valve Table and one valve control switch to the Division 1 Remote Shutdown System Control Table.

The valves are being added to separate the suppression Pool Cleanup System from the residual Heat Removal System.

The proposed action is in accordance with the licensees' application for amendment dated January 18, 1989.

The Need for the Proposed Action

The proposed change to the TS is required in order to provide the licensees the ability to operate the Suppression Pool Cleanup System without

causing a residual heat removal (RHR) subsystem to become inoperable. Presently, the return of the Suppression Pool Cleanup System ties into either loop A or loop B of the RHR system upstream of the suppression pool isolation valve. Opening this valve in the respective RHR loop drops pressure below the low pressure alarm setpoint rendering that loop inoperable.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to the TS and concludes that the proposed additional isolation valves and piping provide single failure proof, seismic Category I quality, appropriate valve closure time, remote control shutdown capability and leak tight barrier by a water seal for at least 30 days during an accident. 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 Prior Hearing in connection with this action was published in the Federal Register on March 20, 1989 (54 FR 11463). 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 the addition of two containment isolation valves to the Suppression Pool Cleanup System. It does not affect nonradiological plant effluents and has no other environmental impact.

Therefore, the Commission concludes that there are no significant nonradio-logical 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 related to the operation of the Perry Nuclear Power Plant, Units 1 and 2, dated August 1987.

Agencies and Persons Consulted

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

FINDING OF NO SIGNIFICANT IMPACT

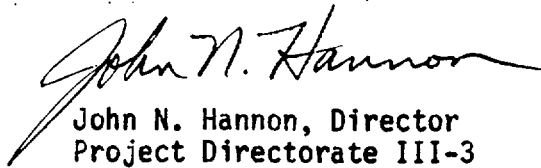
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

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 January 18, 1989 which is 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 16th day of May 1989.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "John N. Hannon". The signature is written in dark ink and is positioned above the printed name and title.

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