

September 21, 1990

Docket No. 50-440

Mr. Michael Lyster, Vice President
Nuclear Group
The Cleveland Electric Illuminating
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Dear Mr. Lyster:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -
TS CHANGE REQUEST - CONTAINMENT ISOLATION VALVE TESTING DURING
PRIMARY CONTAINMENT INTEGRITY-SHUTDOWN (TAC NO. 76390) 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
March 16, 1990 for amendment to Facility Operation Licensee 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,

/s/

James R. Hall, 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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Perry Nuclear Power Plant
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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 definition of Primary Containment Integrity-Shutdown to provide limited flexibility during performance of 10 CFR Part 50 Appendix J Type C leak rate testing of containment isolation valves to allow up to six (6) 3/4-inch vent and drain lines to be open on those penetrations that would otherwise not be testable when this specification is applicable.

The proposed action is in accordance with the licensees' application for amendment dated March 16, 1990.

The Need for the Proposed Action

The proposed change to the TS is needed in order to allow the licensees the flexibility to perform Type C local leak rate tests, as required by 10 CFR Part 50, Appendix J, which would otherwise not be able to be performed when Primary Containment Integrity-Shutdown is required. Performance of local leak rate testing activities when this specification is applicable has the potential to reduce outage durations by increasing the time available to perform this potential critical path testing activity and to permit additional time for isolation valve repair and retesting, if required, subsequent to initial testing and surveillance.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to TS and concludes that the calculated offsite doses, assuming a postulated fuel handling accident while the six lines are open and using a 7-day decay time (minimum time between start of the refueling outage and conduct of Type C local leak rate testing) are well within the dose reference values of 10 CFR Part 100 and are within the acceptance criteria given in Standard Review Plan Section 15.7.4. 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 April 5, 1990 (55 FR 12756). 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 surveillance and testing requirements, specifically with regard to maintaining containment integrity while moving fuel. 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 Statements Related to Operation of 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

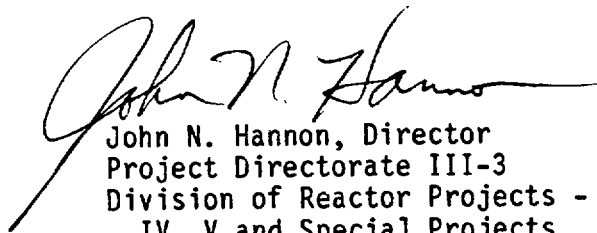
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

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 March 16, 1990, 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 20th day of September 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