

December 10, 1993

Mr. Robert A. Stratman  
Vice President Nuclear - Perry  
Centerior Service Company  
P. O. Box 97, S270  
Perry, Ohio 44081

Dear Mr. Stratman:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT,  
PERRY NUCLEAR POWER PLANT, UNIT 1 (TAC NO. M76037)

Enclosed for your information and use is a copy of an Environmental Assessment and Finding of No Significant Impact relating to your request for an amendment to the Perry Technical Specifications (TSs). By letter dated January 19, 1990, you requested revision of TS Section 3.3.2, Isolation Actuation Instrumentation, to delete the reactor core isolation cooling (RCIC) system isolation on high RCIC room differential temperature to improve the reliability of RCIC.

The original of this Environmental Assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY

Andrew J. Kugler, Asst. Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

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Mr. Robert A. Stratman  
Centerior Service Company

Perry Nuclear Power Plant  
Unit Nos. 1 and 2

cc:

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UNITED STATES NUCLEAR REGULATORY COMMISSION  
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL.  
DOCKET NO. 50-440  
PERRY NUCLEAR POWER PLANT, UNIT NO. 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-58 issued to the Cleveland Electric Illuminating Company, et al., (the licensee), for operation of the Perry Nuclear Power Plant, Unit No. 1, located in Lake County, Ohio.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action

The proposed action would revise the provisions in the Technical Specifications (TS) relating to the isolation actuation instrumentation for the reactor core isolation cooling (RCIC) system. The revision would delete the RCIC isolation on high RCIC room differential temperature to improve the reliability of RCIC.

The proposed action is in accordance with the licensee's application for amendment dated January 19, 1990.

The Need for the Proposed Action

The proposed change to the TS is required in order to allow the licensee to delete the RCIC isolation on high RCIC room differential temperature to prevent inadvertent and unnecessary isolation of RCIC on a spurious RCIC room high differential temperature signal.

Environmental Impact of the Proposed Action

The Commission has completed its evaluation of the proposed revision to the TS and concludes that if the RCIC isolation on high RCIC room differential temperature is removed there would still be redundant, diverse, reliable means of isolating a leak from RCIC in the equipment room. Therefore, the proposed changes do not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant radiological environmental impact.

With regard to potential nonradiological impacts, the proposed change to the TS involves systems located within the restricted area as defined by 10 CFR Part 20. The proposed change will not result in a measurable change to the nonradiological plant effluents and therefore, will not have any environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendment.

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the Federal Register on February 28, 1990 (55 FR 7073). No request for hearing or petition for leave to intervene was filed following this notice.

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 resources not previously considered in the Final Environmental Statement related to operation of the Perry Nuclear Power Plant, Units 1 and 2, dated August 1982.

Agencies and Persons Consulted

The NRC staff reviewed the licensee's 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, the Commission concludes 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 licensee's application for amendment dated January 19, 1990, which is available for

public inspection at the Commission's Public Document Room, Gelman Building, 2120 L Street, NW., Washington, DC 20555 and at the local public document room at the Perry Public Library, 3753 Main Street, Perry, Ohio 44081.

Dated at Rockville, Maryland, this 10th day of December 1993.

FOR THE NUCLEAR REGULATORY COMMISSION

ORIGINAL SIGNED BY

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

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