

U.S. NUCLEAR REGULATORY COMMISSION
TOLEDO EDISON COMPANY
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY
DOCKET NO. 50-346
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-3, issued to Toledo Edison Company and The Cleveland Electric Illuminating Company (the licensees), for operation of the Davis-Besse Nuclear Power Station, Unit No. 1, located in Ottawa County, Ohio.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action

The proposed amendment would revise the provisions in the Davis-Besse Nuclear Power Station, Unit No. 1, Technical Specifications (TS's) relating to Steam and Feedwater Rupture Control System Instrumentation Trip Setpoints, in accordance with Toledo Edison Company's application dated December 7, 1987. Specifically, the proposed amendment would:

- (1) Reduce the Steam Generator low-level Steam and Feedwater Rupture Control System trip setpoint from not less than 20 inches to not less than 16.4 inches.
- (2) Clarify the datum for measuring the Steam Generator level.

The Need for the Proposed Action

The proposed changes are needed to support the determination made in the Davis-Besse Course of Action document that the margin between the Steam and Feedwater Rupture Control System low level trip setpoint and the Integrated Control System low level limit should be increased.

Environmental Impacts of the Proposed Action

The Davis-Besse Steam and Feedwater Rupture Control System is designed to mitigate the consequences of a main steam line or main feedwater line break. The low level trip setpoint initiates the Steam and Feedwater Rupture Control System when insufficient feedwater is present in the Steam Generator. Lowering the setpoint will decrease the likelihood of an inadvertent Steam and Feedwater Rupture Control System actuation during operation at or near the Integrated Control System low level limit.

The Commission has evaluated the environmental impact of the proposed amendment and has determined that post-accident radiological releases would not be greater than previously determined. The proposed amendment does not otherwise affect radiological effluents during normal operation. In addition, the proposed amendment does not have any influence upon occupational radiation exposure. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed amendment.

With regard to potential nonradiological impacts, the proposed amendment involves a change in a safety system trip setpoint. 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.

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the Federal Register on May 3, 1988 (53 FR 15759). No request for hearing or petition for leave to intervene was filed following this notice.

Alternatives to the Proposed Action

Since the Commission has concluded that the environmental effects of the proposed action are not significant, any alternative with equal or greater environmental impacts need not be evaluated. The principal alternative would be to deny the requested amendment. This would not reduce the environmental impacts attributable to this facility and would result in increased probability of spurious Steam and Feedwater Rupture Control System actuations and potential transients.

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 Davis-Besse facility.

Agencies and Persons Consulted

The Commission's 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 amendment.

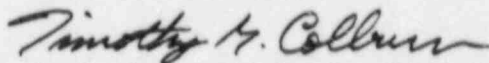
Based upon the foregoing environmental assessment, we conclude that

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 December 7, 1987, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington D.C., and at the University of Toledo Library, Documents Department, 2801 Bancroft Avenue, Toledo, Ohio 43606.

Dated at Rockville, Maryland, this 25 th day of August, 1988.

FOR THE NUCLEAR REGULATORY COMMISSION



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IV, V and Special Projects