

September 23, 1988

Docket No. 50-346  
Serial No. DB-88-047

Mr. Donald C. Shelton  
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SUBJECT: ENVIRONMENTAL ASSESSMENT RELATED TO APPLICATION TO REVISE  
SFRCS MANUAL PUSH BUTTONS (TAC 66729)

Dear Mr. Shelton:

Enclosed for your information is a copy of an Environmental Assessment and Finding of No Significant Impact. This assessment is related to the license amendment requested in your application dated January 30, 1988 (No. 1462) which relates to the auxiliary feedwater system Steam and Feedwater Rupture Control System (SFRCS) manual initiation push buttons. This Environmental Assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

15/

Albert W. De Agazio, Sr. Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V, and Special Projects

Enclosure:  
As stated

cc: See next page

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Mr. Donald C. Shelton  
Toledo Edison Company

Davis-Besse Nuclear Power Station  
Unit No. 1

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U.S. NUCLEAR REGULATORY COMMISSIONTOLEDO EDISON COMPANYTHE CLEVELAND ELECTRIC ILLUMINATING COMPANYDOCKET NO. 50-346ENVIRONMENTAL ASSESSMENT ANDFINDING 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 ASSESSMENTIdentification 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 manual initiation pushbuttons in the Steam and Feedwater Rupture Control System (SFRCS). Specifically, the amendment would change TS 3.3.2.2, Table 3.3-11, Steam and Feedwater Rupture Control System Instrumentation, functional unit 5, Manual Initiation. The change would reduce the number of pushbuttons from 10 to 4, and would redesignate the pushbuttons to reflect the action initiated by the pushbutton vice the system condition that would cause the operator to initiate manual action.

The Need for the Proposed Action

The proposed changes are needed to permit control room modifications which will reduce the possibility of human error when initiating the SFRCS manually. The modifications will resolve the concerns regarding the manual initiation of auxiliary feedwater which is documented in the section on Control Room Improvement in the Toledo Edison Course of Action report and Sections 3.3.3 and 3.3.4 of NUREG-1177, Davis-Besse Restart Safety Evaluation.

The Commission has evaluated the environmental impact of the proposed amendment and has determined that neither the probability of accidents nor the post-accident radiological releases would be greater than previously determined. The proposed amendment does not otherwise affect radiological plant 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 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 15757). 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 only result in retaining a serious human engineering defect in the control room.

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

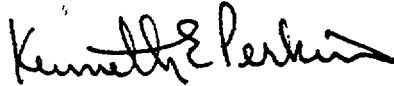
The Commission has determined not to prepare an environmental impact statement for the proposed amendment.

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 January 30, 1988 which is available for public inspection at the Commission's Public Document Room, 2120 L 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 23rd day of September , 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in dark ink, appearing to read "Kenneth E. Perkins". The signature is fluid and cursive, with a large, sweeping "K" and a long, horizontal stroke at the end.

Kenneth E. Perkins, Director  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects