

September 22, 1988

Docket No. 50-346
Serial No. DB-88-051

Mr. Donald C. Shelton
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Dear Mr. Shelton:

SUBJECT: ENVIRONMENTAL ASSESSMENT RELATED TO APPLICATION FOR CYCLE 6
OPERATION (TAC 66730)

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 May 18, 1988 (No. 1516) which relates to revised Technical Specifications to permit operation for Cycle 6. 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 w/enclosure:
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 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) to permit operation of the facility at 2772 MW(t) for Cycle 6. Specifically, the proposed amendment would modify the following TS sections:

- 2.0 Safety Limits and Limiting Safety System Settings
- 3/4.1 Reactivity Control Systems
- 3/4.2 Power Distribution Limits
- 3/4.3 Instrumentation
- 3/4.4 Reactor Coolant System
- 3/4.5 Emergency Core Cooling Systems
- 5.0 Design Features

In addition, TS Basis 3/4.1, Reactivity Control Systems, and 3/4.5, Emergency Core Cooling Systems, also would be modified.

The Need for the Proposed Action

The proposed changes are needed to support the loading of 64 fresh fuel assemblies (FA's) and 64 burnable poison rod assemblies (BPRA's), the shuffling of 16 FA's and control rod assemblies (CRA's), the reinsertion of one previously used FA, and the replacement of eight black axial power shaping rods (APSR's) with grey APSR's. In addition, other TS changes proposed would permit a reduced physics testing program, the removal of two regenerative neutron sources, revised quadrant power tilt limits, reduced borated water supply requirements, increased power level for comparison of in and ex core detector offsets, and increased thermal power limit for three-pump operation.

Environmental Impacts of the Proposed Action

The Commission has evaluated the safety 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 June 29, 1988 (53 FR 24535). 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 requiring a revised core reload design to operate within the present TS requirements.

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, 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 application for amendment dated May 18, 1988, which is available for public inspection at the Commission's Public Document Room, 2120 L Street NW., Washington, DC, and at the University of Toledo Library, Documents Department, 2801 Bancroft Avenue, Toledo, Ohio 43606.

Dated at Rockville, Maryland, this 22nd day of September , 1988.
1988.

FOR THE NUCLEAR REGULATORY COMMISSION



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