

UNITED STATES NUCLEAR REGULATORY COMMISSIONTOLEDO EDISON COMPANYANDTHE CLEVELAND ELECTRIC ILLUMINATING COMPANYDOCKET NO. 50-346NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINAL FINDING OFNO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from certain requirements of Appendix R to 10 CFR 50 to Toledo Edison Company and The Cleveland Electric Illuminating Company (the licensees), for the Davis-Besse Nuclear Power Station, Unit No. 1, located in Ottawa County, Ohio.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: The exemption would relax certain requirements of Appendix R to 10 CFR 50 as follows:

- a) A requirement of Subsection III.G.2 to provide a complete 3-hour rated fire barrier for the separation of redundant trains of equipment necessary for safe shutdown would be relaxed with respect to a fire door which is not UL rated and has not been tested. Instead, an engineering evaluation of the fire door has been performed simulating the fire test requirements of NFPA 251. The evaluation demonstrates that the fire door provides a level of safety equivalent to the technical requirements of Section III.G of Appendix R.

- b) The requirement of Subsection III.L.1 that alternative or dedicated shutdown capability be able to achieve cold shutdown conditions within 72 hours would be relaxed to permit limiting the cooldown rate to 1.5F/hour under natural circulation conditions. This would extend the time to reach cold shutdown to 193 hours when offsite power is not available. When offsite power is available, cooldown could be accomplished within the 72-hour interval.

- c) The requirement of Section III.0 that the lube oil collection system be capable of holding the entire lube oil system inventory would be relaxed. The lube oil collection system for each coolant loop can contain the oil inventory from one of the two reactor coolant pumps only. Any overflow will drain to the containment building sump away from hot surfaces and flammable material.

The exemption is responsive to the licensees' application for exemption dated September 30, 1983, as supplemented by letter dated December 30, 1983.

The Need for the Proposed Action: The proposed exemption is needed because the existing design features relating to these fire protection items are the most practical method for meeting the intent of Appendix R to 10 CFR 50 and strict literal compliance would not enhance significantly fire protection capability at the facility.

Environmental Impact of the Proposed Action: The proposed exemption will provide a degree of fire protection equivalent to that required by Appendix R to 10 CFR 50 such that there is no increase in the risk from fires at the facility. The probability of fires is not increased and post-fire

radiological risk is not greater than determined previously and the proposed exemption does not affect otherwise plant radioactive effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this exemption.

The proposed exemption involves design features located entirely within the restricted area as defined in 10 CFR 20. It does not affect plant nonradioactive effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological impacts associated with the proposed exemption.

Alternative Use of Resources: This action does not involve the use of resources not previously considered in the Final Environmental Statements (construction permit and operating license) for the Davis-Besse Nuclear Power Station, Unit No. 1.

Agencies and Persons Consulted: The Commission's staff reviewed the licensees' request. The staff did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

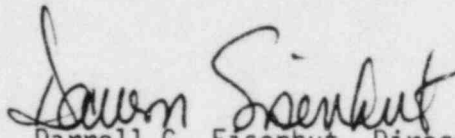
The Commission has determined not to prepare an environmental impact statement for the proposed action.

Based on 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 exemption dated September 30, 1983, and supplemental information submitted by letter dated December 30, 1983. These documents are available for inspection by the public 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 West Bancroft Avenue, Toledo, Ohio.

Dated at Bethesda, Maryland, this 14th day of August, 1984.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

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DOCKET No. 50-346

MEMORANDUM FOR: Docketing and Service Branch
Office of the Secretary of the Commission

FROM: Office of Nuclear Reactor Regulation

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

One signed original of the *Federal Register* Notice identified below is enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (6) of the Notice are enclosed for your use.

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- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Consideration of Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
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