



A Centenor Energy Company

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Docket No. 50-346

License No. NPF-3

Serial No. 1607

October 31, 1988

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Davis-Besse ATWS Design Requirements and Implementation Schedule
(TAC 59086)

Gentlemen:

The NRC requested Toledo Edison Company (TE) to address ATWS design requirements and provide the schedules for installation of required equipment no later than October 30, 1988, by letter dated August 10, 1988 (Log No. 2664). This request was apparently prompted by the completion of the NRC staff's evaluation of the Babcock and Wilcox Owners Group (BWO) generic design requirements report which was submitted to the NRC by letter dated October 9, 1985. The NRC's generic safety evaluation report (SER) issued on August 10, 1988 concluded that most sections of the BWO report were acceptable for providing generic guidelines for plant-specific design submittals. However, some areas of the generic design were still of concern to the staff.

The BWO met with the NRC Staff on August 17, 1988, in an attempt to arrive at a common understanding of all areas needed to implement the ATWS rule. During the meeting, BWO members expressed general agreement with the NRC SER conclusions with the exceptions of power supply independence requirements. After the BWO presentation on power supply independence, the NRC provided clarification on various acceptable design options that would resolve the issue. These design options were described in an NRC letter to Mr. L. C. Stalter, Chairman BWO/ATWS Committee dated September 7, 1988.

Currently, TE plans to implement Option 2 which includes a non-battery backed power supply for the Diverse Scram System (DSS) and an evaluation that the Steam Feedwater and Rupture Control System (SFRCS) meets the requirements of the ATWS Mitigation Actuation Circuitry System (AMSAC). TE is currently in the process of defining plant-specific design requirements for the DSS and AMSAC. Due to the current refueling outage TE has been unable to devote the manpower necessary to complete ATWS system design requirements by October 30, 1988.

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TE staff discussed the above with Mr. A. W. DeAgazio (DB-1 NRC Senior Project Manager) on October 21, 1988, and requested an extension to the submittal due date. Mr. DeAgazio agreed to an extension and requested TE to document the request by letter. TE will provide a response which addresses ATWS design requirements no later than February 28, 1989. Currently, TE plans to design and install ATWS systems by the end of the 6th Refueling Outage.

Should you have any questions regarding the information, please contact Mr. R. W. Schrauder, Nuclear Licensing Manager, at (419) 249-2366.

Very truly yours,



EBS/dlm

cc: P. Byron, DB-1 NRC Resident Inspector
A. W. DeAgazio, DB-1 NRC Senior Project Manager
A. B. Davis, Regional Administrator, NRC Region III