

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

TOLEDO EDISON COMPANY AND THE
 CLEVELAND ELECTRIC ILLUMINATING
 COMPANY

(Davis-Besse Nuclear Power Station,
 Unit No. 1)

Docket No. 50-346

EXTENSION OF TIME FOR ORDER CONFIRMING LICENSEES'
COMMITMENTS ON EMERGENCY RESPONSE CAPABILITY

I.

On February 21, 1984, the Nuclear Regulatory Commission (the Commission) issued an Order confirming the licensees' commitments to take action on post-TMI requirements set forth in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability." The Order, published in the Federal Register at 49 FR 7898 on March 2, 1984, was based on the commitments contained in the licensees' letters dated April 15, 1983 and July 11, 1983 submitted in response to Generic Letter 82-33. The Order provided that the Director, Division of Licensing, could grant extension of time to meet the Order for good cause.

By letter dated March 20, 1984, the licensees have requested an extension to the completion date for certain of the items included in the Commission's Order and have requested clarification relating to the completion date for another item. Further justification for the delays requested was submitted by the licensees by letter dated May 10, 1984. The specific changes requested by the licensees and our evaluations are discussed herein.

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II.

The licensees request the date for submittal of a summary report of the detailed control room design review (DCRDR) be extended to June 30, 1984 from April 15, 1984. The licensees assert that the extension to the completion date is required because of a change in scope in the DCRDR program that the licensees instituted in early 1984 as a result of a potential problem with the original DCRDR program plan. This modification, which involves additional analysis effort, was included in the DCRDR program because the review team became concerned that the systems function review and task analysis, based on six initiating events considered in the Davis-Besse Abnormal Transient Operating Guidelines (ATOG), might not adequately address emergency operations in the control room. Furthermore, a systems function review and task analysis based on hypothesized event sequences would be event oriented as compared to being function oriented.

The scope of the DCRDR effort was expanded to include comprehensive systems review and task analysis based on the Emergency Operating Procedures (EOPs). These EOPs, currently being verified and validated, are both symptom and function oriented. The scope expansion also includes additional systems function review based on the safety sequence diagrams originally prepared for the ATOG. The modified scope will allow an independent assessment of the system function review and task analysis to assure that the results are not biased by prior knowledge of the control room.

The staff reviewed the licensees' original DCRDR program submitted on June 15, 1983, and concluded that provided the plan was executed as written, the review should produce results fulfilling the requirements of Supplement 1 to NUREG-0737. The licensees were informed accordingly on December 9, 1983. However, because the original planned approach has resulted in unacceptable DCRDR efforts by certain other licensees, the licensees for Davis-Besse Nuclear Power Station voluntarily increased the scope in order to improve the quality of the DCRDR and increase the likelihood of results acceptable to the NRC. The staff considers that the additional effort which reduces the potential for an unacceptable DCRDR, which could otherwise delay the program, compensates for the relatively short delay in the completion date. Therefore, the staff finds it acceptable to extend the submittal date from April 15, 1984 to June 30, 1984 for the DCRDR summary report.

The licensees request extension, from April 15, 1984 to June 30, 1984, for the submittal of a report describing how the requirements of Supplement 1 to NUREG-0737, with respect to Regulatory Guide 1.97 (R.G. 1.97) are being or will be met. The licensees indicate that they are conducting their review of R.G. 1.97 in conjunction with a B&W Owners Group Task Force. The objective of the task force is to formulate and justify a generic position with respect to R.G. 1.97 for B&W nuclear plants. The Task Force, in an April meeting, reviewed its report and identified additional evaluations to be performed to:

- a. Determine the significance of each of 42 selected R.G. 1.97 variables to monitoring and management of the design basis accident for a B&W plant.

- b. Define the qualification criteria considered necessary to support the accident monitoring function.
- c. Assess whether the typically supplied instrumentation is adequate for the required monitoring function.

The Task Force is expected to complete its efforts in early June, however any delay beyond the next group meeting will not further delay the completion of the licensees' efforts. Additionally, the licensees indicate that the R.G. 1.97 report and the DCRDR should be reviewed against each other since proposed changes from either review could impact the other.

The staff considers that the benefits to be derived from the B&W Owners Group Task Force input with respect to R.G. 1.97 and from a cross comparison of the DCRDR and R.G. 1.97 reviews in terms of unified approach, consistency, and enhanced compliance with requirements compensates for the relatively short delay in completion date. Therefore, the staff finds it acceptable to extend the submittal date from April 15, 1984 to June 30, 1984 for the report describing how the requirements of Supplement 1 to NUREG-0737, with respect to R.G. 1.97, are being or will be met.

The licensees request that the dates for submittal of the proposed schedules for implementing the design improvements and equipment upgrades resulting from the DCRDR and the application of Regulatory Guide 1.97 to emergency response facilities be extended from April 15, 1984 to January 31, 1985. The licensees contend that it is not appropriate to submit an implementation schedule by April 15, 1984 since there would not have been sufficient time from the completion of the reports to complete the various

design, budgeting and procurement efforts necessary to provide accurate completion dates. The licensees also state that the date contained in the Order was not a licensee commitment and that the only commitment with respect to implementation schedule was to schedule in accordance with Integrated Living Schedule Program (ILSP).

The submission dates appearing in the Order for the implementation schedule resulted from a misinterpretation of the licensees' statement in response to GL 82-33 since, at that time, discussions regarding the ILSP were just beginning between the licensees and the NRC. These discussions are still in progress and no final agreement regarding the applicability of ILSP to regulatory matters has yet been reached. The staff has evaluated the licensees' request for a delay to January 31, 1985 based upon a consideration of the delays in submission of the reports relating to the DCRDR and R.G. 1.97 and find that the delay in implementation schedule submission will provide an opportunity for the licensees to include any revisions to the programs resulting from NRC review of the reports. Therefore, the staff finds that the submission of full implementation schedules by January 31, 1985 will be acceptable; however, the implementation schedules submitted will be subject to NRC review and approval.

The licensees have indicated, as a point of clarification, that the implementation of the upgraded Emergency Operating Procedures (EOPs) is intended to occur over a refueling outage. The licensees' commitment to a completion date for this item of September 30, 1984 was based on the 1984 refueling outage beginning on August 1, 1984. Since the beginning date for the refueling outage is uncertain, the completion date of September 30, 1984 could be inaccurate.

The staff agrees that it is reasonable to implement the change to the upgraded EOPs during a refueling outage. Therefore, the staff finds it acceptable to clarify that the completion date is intended to be the conclusion of the 1984 outage.

III.

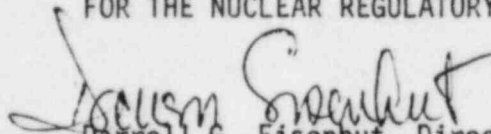
Accordingly, consistent with Section III of the Order and for good cause, I have extended the Order as follows:

The Attachment to the Commission's February 21, 1984 Order is revised to extend the submittal dates from April 15, 1984 to June 30, 1984 for the DCRDR Summary Report and for the report describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met. The Order is also revised to extend the submittal dates from April 15, 1984 to January 31, 1985 for the proposed schedules for implementing the design improvements

resulting from the DCRDR and for installation or upgrade of equipment resulting from the review of how the Supplement 1 to NUREG-0737 requirements are being met.

The Order, except as extended herein, remains in effect in accordance with its terms.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Dated at Bethesda, Maryland
this 5th day of June 1984.

Attachment:
Licensees' Commitments on
Requirements Specified in
Supplement 1 to NUREG-C737

LICENSEES' COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEES' COMPLETION SCHEDULE (OR STATUS)
1. Safety Parameter Display System (SPDS)	1a. Submit a safety analysis and an implementation plan to the IIRC.	Submitted 11/30/83
	1b. SPDS fully operational and operators trained.	11/30/84
2. Detailed Control Room Design Review (DCRDR)	2a. Submit a program plan to the IIRC.	Submitted 6/15/83
	2b. Submit a summary report to the IIRC.	6/30/84
	3c. Submit a proposed schedule for implementation	1/31/85
3. Regulatory Guide 1.97 - Application to Emergency Response Facilities	3a. Submit a report to the IIRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met.	6/30/84
	3b. Implement (installation or upgrade) requirements.	Schedule for implementing design improvements to be submitted 1/31/85

LICENSEES' COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEES' COMPLETION SCHEDULE (OR STATUS)
4. Upgrade Emergency Operating Procedures (EOPs)	4a. Submit a Procedures Generation Package to the NRC.	submitted 3/1/84
	4b. Implement the upgraded EOPs.	9/30/84**
5. Emergency Response Facilities	5a. Technical Support Center fully functional.	Completed *
	5b. Operational Support Center fully functional.	Completed *
	5c. Emergency Operations Facility, fully functional.	Completed *

**Implementation to occur by completion of the 1984 refueling outage projected to be 9/30/84

*In all respects except SPDS and Regulatory Guide 1.97 considerations for which the schedule is as given in 1 and 3 above.