

JAN 06 1986

Docket Nos. 50-266  
and 50-301

Mr. C. W. Fay, Vice President  
Nuclear Power Department  
Wisconsin Electric Power Company  
231 W. Michigan Street  
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

Subject: SUPPLEMENT 1 TO NUREG-0737, REQUEST FOR MODIFICATION OF  
COMMISSION ORDER DATED JULY 2, 1984

Re: Point Beach Nuclear Plant, Units 1 and 2

By letter dated October 1, 1984, and January 17, 1985, as supplemented by letters dated August 1, 1985, and November 27, 1985, you requested an extension of the completion dates for certain items contained in the Commission's Order dated July 2, 1984, for the Point Beach Nuclear Plant, Units 1 and 2. You requested an extension of the completion dates for implementation of item No. 1 - Safety Parameter Display System, Item No. 3 - Regulatory Guide 1.97 and Item No. 5 - Emergency Response Facilities. Specifically, you have requested that the submission of the safety analysis and implementation plan related to the SPDS be extended until June 30, 1986; that the date for the SPDS being fully operational with trained operators be extended until February 1988; that the date for full implementation of Regulatory Guide 1.97 requirements be extended until February 1988; and that the fully operational date for the Emergency Operations Facility be extended until February 1988.

You have identified the need for the requested extensions as follows:

1. The submission of a safety analysis and an implementation plan to the NRC regarding the SPDS (or SAS) has been delayed due to efforts necessary to obtain a new vendor, as discussed below, to complete the

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software and hardware development and evaluate the useability of the former vendor's supplied equipment and software.

2. The new computer is an integral component of the Safety Assessment System (SAS) designed to meet the requirements of NUREG-0737, item I.D.2, Plant Safety Parameter Display System (SPDS). Thus, this item cannot be considered complete until the new computer is installed.
3. Emergency Operation Facility (EOF) instrumentation displays is an integral part of the computer output display system. Final operability of the EOF is, therefore, dependent on the new computer.
4. Numerous Regulatory Guide 1.97 parameters will be displayed on either the SAS CRT or the Plant Process Computer System CRT. Additionally, the new computer will record those parameters not presently recorded in the control room. The computer system delay will affect only the backup CRT display configuration of Regulatory Guide 1.97 instrumentation and the historical recording of those parameters not already recorded in the control room.
5. An additional need for the extension related to the Regulatory Guide 1.97 items results from the licensee's commitment dated August 30, 1985, for upgrading two additional instruments, neutron flux monitoring and pressurizer relief tank temperature monitoring. To allow sufficient time to specify, procure, and install the required equipment (which will be seismically and environmentally qualified and which will require a new containment electrical penetration assembly), the licensee will be unable to complete these instrument upgrades before the respective 1987 refueling outages for each unit.

To permit the requested extensions, you indicate that various compensatory actions have been initiated at Point Beach Nuclear Plant, Units 1 and 2, until such time as the new computer system and SAS can be installed and operational. These include the installation of new thermocouple monitoring and display equipment and also subcooling and reactor vessel water-level monitoring display equipment. Four two-pen computer trend recorders located on the auxiliary safety instrumentation panel for each unit display the current value and record the history of these parameters. Reactor vessel water level is displayed and recorded for both wide range and narrow range. These recorders will eventually display parameters accessible through the plant process computer system, but are currently hard wired to display information from the Foxboro Spec 200 instrumentation racks for the above parameters. Tables 1 and 2 attached to your October 1, 1984, letter provide a more complete description of the

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control room recorders and the auxiliary safety instrumentation panel instrumentation, including the ranges for the equipment and the engineering units of the parameters being monitored.

Other compensatory monitoring capabilities you mentioned are the Reactor Coolant System (RCS) wide-range loop temperature, RCS wide-range pressure, and steam generator wide-range water level which are already recorded in the control room on strip chart recorders.

Updating of plant status at the EOF is done by high speed telecopier. You state that this mechanism proved effective during the September 11, 1984, emergency drill held at the Point Beach Nuclear Plant. Hence, the extension requested for full operability of the Emergency Operations Facility may be compensated by this currently available equipment.

You have indicated in your submittals that the primary reason for the delay in the completion dates of the above three items is due to default by your original computer vendor, Electronic Associates, Inc. (EAI), on the contract for the new Process Computer System for the Point Beach Nuclear Plant in late 1984. After the default, you state that you were required to hire a consultant to evaluate the useability of EAI supplied equipment and software for use in the new computer system by a subsequent vendor.

You then solicited bids for completion of the computer system to other vendors and have now entered into contract with Combustion Engineering, Inc., for the manufacture and delivery of the new computer system and SAS. The new SAS and computer system are scheduled to be installed no later than the spring 1987 refueling outage for Unit 1 and the fall 1987 refueling outage for Unit 2. Approximately three months is needed following the completion of these outages for operator training and system checkout to declare the SAS fully operational.

You indicated that you have committed specific personnel, as shown in the organization chart contained in your August 1, 1985, submittal, to oversight, interface, and implementation of the computer system project. You have also incorporated various incentives and penalties into the contract with Combustion Engineering to keep the project on schedule and possibly ahead of schedule. You have also received commitments from the new vendor to assign experienced personnel to the project which have been associated with a recently delivered computer system for another utility.

Based on your submittals, which were addressed above, we find that you have shown good cause for the requested extensions; that the extensions are in response to staff concerns or were otherwise unavoidable; that the extensions appear reasonable; and that you have made a good faith

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effort to comply with the schedule contained in the Commission's Order of July 2, 1984. Therefore, in accordance with the terms of the July 2, 1984, Commission Order, we conclude that there is adequate justification for modification of the Commission's Order and, hereby, grant the requested extensions.

Sincerely,

Original signed by:  
Thomas M. Novak

Thomas M. Novak, Acting Director  
Division of PWR Licensing-A  
Office of Nuclear Reactor Regulation

cc's next page

See previous concurrences.\*

Office:	LA/PAD1	PM/PAD1	OELD	D/PAD1	AtgD/PWR-A
Surname:	PShuttleworth*	TColburn*/jm	KCyr*	GLear*	Novak
Date:	12/8/85	12/8/85	12/19/85	12/31/85	1/6/86

Mr. C. W. Fay  
Wisconsin Electric Power Company

Point Beach Nuclear Plant  
Units 1 and 2

cc:

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Thomas M. Novak

Thomas M. Novak, Acting Director  
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Office of Nuclear Reactor Regulation

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See previous concurrences.\*

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GLear\*

TNovak

Date: 12/8/85

12/8/85

12/19/85

12/31/85

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Mr. C. W. Fay  
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