



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

October 3, 1990

Docket Nos. 50-256  
and 50-301

Mr. C. W. Fay, Vice President  
Nuclear Power Department  
Wisconsin Electric Power Company  
231 W. Michigan Street, Room 308  
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

SUBJECT: SAFETY EVALUATION OF THE POINT BEACH RESPONSE TO THE STATION  
BLACKOUT RULE (TAC NOS. 68586 AND 68587)

We have completed our review of your April 17, 1989, response to the station blackout rule. Our review considered supplemental information obtained subsequent to your initial response. Specifically, with the assistance of a contractor (Science Applications International Corporation (SAIC)) we performed a site audit from August 15 to August 18, 1989. On September 26, 1989, you submitted a letter providing additional information about the status of the gas turbine generator (GTG) as an alternate AC power source for Point Beach Nuclear Plant. By letter dated March 30, 1990, you provided information concerning effects of loss of ventilation. By letter dated June 29, 1990, you provided information concerning gas turbine testing and reliability. By letter dated August 3, 1990, you advised of your intent to install two additional diesel generators and two additional station batteries.

A copy of our safety evaluation is enclosed. Attached to the Safety Evaluation is a copy of the report provided to us by our contractor: "Technical Evaluation Report, Point Beach Nuclear Power Plant Units 1 and 2, Station Blackout Evaluation," SAIC-89/1153, Revision 2, Final, July 31, 1990. The safety evaluation identifies additional tests and analyses which you must complete. These include a demonstration that the GTG can attain and maintain a 0.95 reliability index, establishment of test and surveillance procedure to ensure that the GTG reliability is maintained at an acceptable level, a test to demonstrate that the GTG can power station blackout loads within 1 hour of the blackout, battery capacity calculations, and documentation supporting heat-up calculations.

The additional information required by the safety evaluation need not be submitted but should be retained and made available for further inspection by NRC.

The safety analysis recommends a revision to technical specifications regarding the condensate storage tank. The staff has not addressed how technical specifications for the station blackout equipment should be applied. Further guidance on this may be provided at a later date. In the meanwhile, it is our expectation that you will incorporate appropriate testing and surveillances in your plant procedures to ensure the operability of station blackout equipment.

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Mr. C. W. Fay

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Based on our review, we find your design and proposed method of dealing with a station blackout to be in conformance with the rule. This finding is contingent upon your notification to us that the recommendations in the safety evaluation will be implemented. Within 30 days of receipt of this letter, please provide us with your schedule for implementation.

Sincerely,

Original Signed By:

Robert B. Samworth, Project Manager  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure: Safety Evaluation with attached  
Technical Evaluation Report  
SAIC-89/1153

cc w/enclosures:  
See next page

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Mr. C. W. Fay  
Wisconsin Electric Power Company

Point Beach Nuclear Plant  
Units 1 and 2

cc: Ernest L. Blake, Jr.  
Shaw, Pittman, Potts and Trowbridge  
2300 N Street, N.W.  
Washington, DC 20037

Mr. Gregory J. Maxfield, Manager  
Point Beach Nuclear Plant  
Wisconsin Electric Power Company  
6610 Nuclear Road  
Two Rivers, Wisconsin 54241

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Town of Two Creeks  
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Resident Inspector's Office  
U.S. Nuclear Regulatory Commission  
6612 Nuclear Road  
Two Rivers, Wisconsin 54241

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