



Wisconsin Electric POWER COMPANY

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June 2, 1981

Mr. H. R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

Attention: Mr. Robert A. Clark, Chief
Operating Reactors Branch No. 3

Gentlemen:

DOCKET 50-266 AND 50-301
POINT BEACH NUCLEAR PLANT UNITS 1 AND 2
EMERGENCY PLAN PUBLIC NOTIFICATION SYSTEM

In accordance with our letter of March 31, 1981 to Mr. H. R. Denton, we have completed our evaluation of notification systems designed to meet the criteria of 10CFR50 Appendix E. As a result of our review of notification systems and discussions with the Federal Emergency Management Agency and state and local governmental agencies, we are now able to describe our proposed public notification system and to establish a schedule for the installation of the system. The design objective for the proposed notification system is to provide both an alerting signal and an informational message to the population within ten miles of the Point Beach Nuclear Plant within fifteen minutes of the decision to alert the public. The notification system will provide an alerting sound signal to 100% of the population within five miles of the plant and to at least 90% of the population within ten miles of the plant. The remaining 10% of the population within ten miles will be notified via mobile notification teams. Time estimates for completion of notification of the remaining 10% of the population will be developed and incorporated into the Emergency Plan at the time of the next revision. This use of an alert signal and mobile notification teams will provide a greater assurance of notification than any single notification system.

The design of the notification system takes into account the location of the Kewaunee Nuclear Power Plant four miles north of the Point Beach Nuclear Plant. The Point Beach Nuclear Plant will provide a notification system in Manitowoc County and will enter into an agreement with the Wisconsin Public Service Corporation for the use of the notification system around the Kewaunee Power Plant in Kewaunee County. The notification systems for the Point Beach Nuclear Plant and the Kewaunee Nuclear Power Plant will provide an alerting signal coverage such that both plants will have a system in place for public notification.



June 2, 1981

The notification system will use sirens to provide an alerting signal to 100% of the terrestrial area within five miles of the Point Beach Nuclear Plant within fifteen minutes of making the decision that such notification is necessary. The terrestrial area between five miles and ten miles of the Point Beach Nuclear Plant will have a siren in the city of Two Rivers, along with the villages of Mishicot and Tisch Mills. The sirens in Two Rivers, Mishicot and Tisch Mills can be sounded within minutes of the decision to do so. The siren system will be designed to provide a minimum of 60db(c) within five miles of the Point Beach Nuclear Plant. Figure 1 of CPG-1-17, "Outdoor Warning Systems Guide" will be used for the minimum sound level design in the city of Two Rivers. The sound levels will take into account a 10db attenuation per distance doubled.

The second part of the notification system is the informational message dissemination. The public will be instructed via the media and specific mailed public education programs that the proper response to an alerting siren signal is to turn on the radio to a local station. This public education program will emphasize the use of this system for natural as well as man-made emergencies. The message that will be disseminated by participating emergency broadcast stations will originate from the State of Wisconsin Division of Emergency Government. The Division of Emergency Government message will be distributed to the local radio stations via the Emergency Broadcast System and to other radio stations and all other media via the Joint Public Information Center located in Two Rivers.

The siren system will be controlled by the County Sheriff's Department in the respective county. The city of Two Rivers Police Department will also have control over the siren in Two Rivers. These controls will be via Sheriff and police radio frequency using a secure tone or digital signal.

The total system for prompt public notification of an emergency will include the siren system, mobile notification on Lake Michigan and low population areas between five and ten miles, and informational messages broadcast over local commercial radio stations. Education of the public will address the operation of this system for tornados, severe weather, and radiological emergencies.

The mobile notification portions of the system for both counties have been exercised and have received favorable FEMA review. The mobile notification system includes provisions for the Point Beach State Forest recreational area and for the affected portions of Lake Michigan.

The State of Wisconsin Department of Natural Resources has a plan for notifying park users in the Point Beach State Forest by using park vehicles with loud speakers. The U. S. Coast Guard has an agreement with the Point Beach Nuclear Plant which provides for response by the U. S. Coast Guard upon request of plant personnel to patrol the area and notify boaters and shipping within ten miles of the plant.


Mr. H. R. Denton

-3-

June 2, 1981

We expect that completion and demonstration of the notification system will occur six months after award of the contract for the siren system. Completion is therefore projected to be around February 1, 1982.

Very truly yours,



C. W. Fay, Director
Nuclear Power Department

Copies to J. G. Keppler, Region III
U. S. NUCLEAR REGULATORY COMMISSION

NRC Resident Inspector
Point Beach Nuclear Plant

Mr. Joseph LaFleur, Administrator
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Mr. Carl Giesler
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