

WISCONSIN PUBLIC SERVICE CORPORATION

Public Service

P.O. Box 1200, Green Bay, Wisconsin 54305

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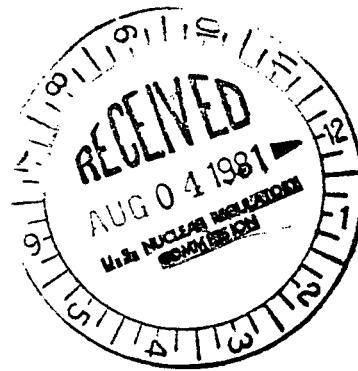
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July 24, 1981

Mr. J. G. Keppler, Regional Director
Office of Inspection & Enforcement
Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 20555

Dear Mr. Keppler:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Public Notification System



- References:
1. Letter from G. Keppler dated July 1, 1981
 2. Letter from E. R. Mathews to H. R. Denton, dated January 2, 1981.
 3. Letter from E. R. Mathews to H. R. Denton, dated February 27, 1981.

The following information is provided in response to your request of July 1, 1981, (Reference 1) regarding the public notification system for the Emergency Planning Zone about the Kewaunee Nuclear Power Plant.

Background

The transmittal letter of the Kewaunee Nuclear Power Plant Radiological Emergency Response Plan (Reference 2) indicated to the NRC the cooperative effort planned between Wisconsin Electric Power Company (WEPCO) and Wisconsin Public Service Corporation (WPS) for the public notification system. An updated status was formally provided in the transmittal of the emergency plan implementing procedures (Reference 3). On March 16, 1981, the Wisconsin Division of Emergency Government held a meeting in Madison, Wisconsin with several Wisconsin utilities for the purpose of establishing warning system criteria as well as obtaining a general update on system planning. At a Region III meeting held in Glen Ellyn on April 6 and again during the recent emergency preparedness appraisal held at the Kewaunee site (specifically June 18) members of the Region III NRC staff were provided with the current status of the public notification system. We have endeavored to keep your emergency preparedness staff aware of our current status as the system has evolved.

PERSONAL PRIVACY INFORMATION
DELETED IN ACCORDANCE WITH THE
FREEDOM OF INFORMATION ACT

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Present System Status

As a result of competitive bids, a vendor has been selected and an order placed for the notification system. The proposal was received by WPS during the appraisal team review (June 16) and the system design was presented to Kewaunee County government officials on July 3 for comment. Figure 1 presents the WPS portion of the combined Kewaunee/Point Beach notification system. Final siren placement will be determined during the month of August; the greatest variation from Figure 1 will be with the placement of the city of Kewaunee siren to maximize the benefit from an in-place Civil Defense siren (Federal Signal, Thunderbolt model, one block west of the Kewaunee County Courthouse).

System Design

The selected vendor is Alerting Communicators of America (ACA) in Mequon, WI. The two larger units are ACA Hurricane models (three phase, 130 dB @ 100 feet) and the two smaller units are ACA Allertor models (single phase, 127 dB @ 100 feet). Each siren will have a tone decoder and radio receiver such that the Kewaunee County Sheriff has individual siren control from dispatcher's station in the Safety Building in the City of Kewaunee.

A similar system, managed by WEPCO, is being installed in Manitowoc County, and will serve the needs of the Kewaunee EPZ within Manitowoc County.

The design area coverage is 100% at a 60 dB sound level within five miles of the Kewaunee plant. The guidance for siting criteria from NUREG-0654 and FEMA CPG 1-17 (Figure 1) has been applied to the system design; siren performance has been documented by independent laboratories and submitted to WPS by ACA. An additional siren will be installed to serve the city of Kewaunee which is approximately eight miles north of the plant (this siren will supplement the "Thunderbolt" presently installed). This will provide immediate notification to at least 90% of the population within 10 miles of the plant.

Following final site selection, the detailed design (height above ground, location of major transportation routes (relative to siting), terrain features, etc.) will be documented in accordance with Appendix 3 of NUREG-0654.

Coverage on a sector basis in the five to ten mile zone not served by the Kewaunee siren will be provided by mobile sirens on emergency vehicles pending a revised agreement with the Kewaunee County Emergency Government.

Schedule for Installation

At this time, delivery of the system is not firm. Several components have 120-day lead times and may be available during the winter months. In the event that availability cannot support a Fall, 1981 installation, a Spring, 1982 installation will be scheduled. Firm delivery dates will be established during August, 1981; this information will be provided to your staff.

We wish to emphasize that members of the WPS staff have been working with the Kewaunee County emergency government personnel to provide an acceptable system.

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Compensating Actions

The current Kewaunee County emergency plan provides for notification of the population by mobile sirens augmented by personal notification of Low Population Zone (LPZ) residents by the auxiliary sheriff force. We believe these actions are adequate for these reasons:

1. The auxiliary sheriff personnel have received training and practices notification for several years as part of earlier emergency preparedness;
2. The joint Wisconsin/FEMA exercise held January, 1981 demonstrated the level of effectiveness; and
3. The Public Information brochure distributed to residents of the area address this means of notification. The low population density of the five mile EPZ is further justification for acceptance of a non-permanently installed system.

We believe the above information provides a complete response to your July 1 letter. An additional item of concern to WPS is the lack of a reliable information flow from FEMA to licensees. Through discussions with Wisconsin Division of Emergency Government personnel, the existence of FEMA Guidance Memorandum #18, "FEMA Actions to Qualify Alerting and Notification Systems against NUREG 0654/FEMA-REP-1" dated May 21, 1981, was made known to us. A copy was obtained from FEMA, and the State personnel requested to keep us current on FEMA guidance, but it is our understanding FEMA will not distribute guidance memoranda, etc. to licensees. We would appreciate any action your office may take to ensure licensees and other emergency response organizations are receiving identical guidance.

Very truly yours,

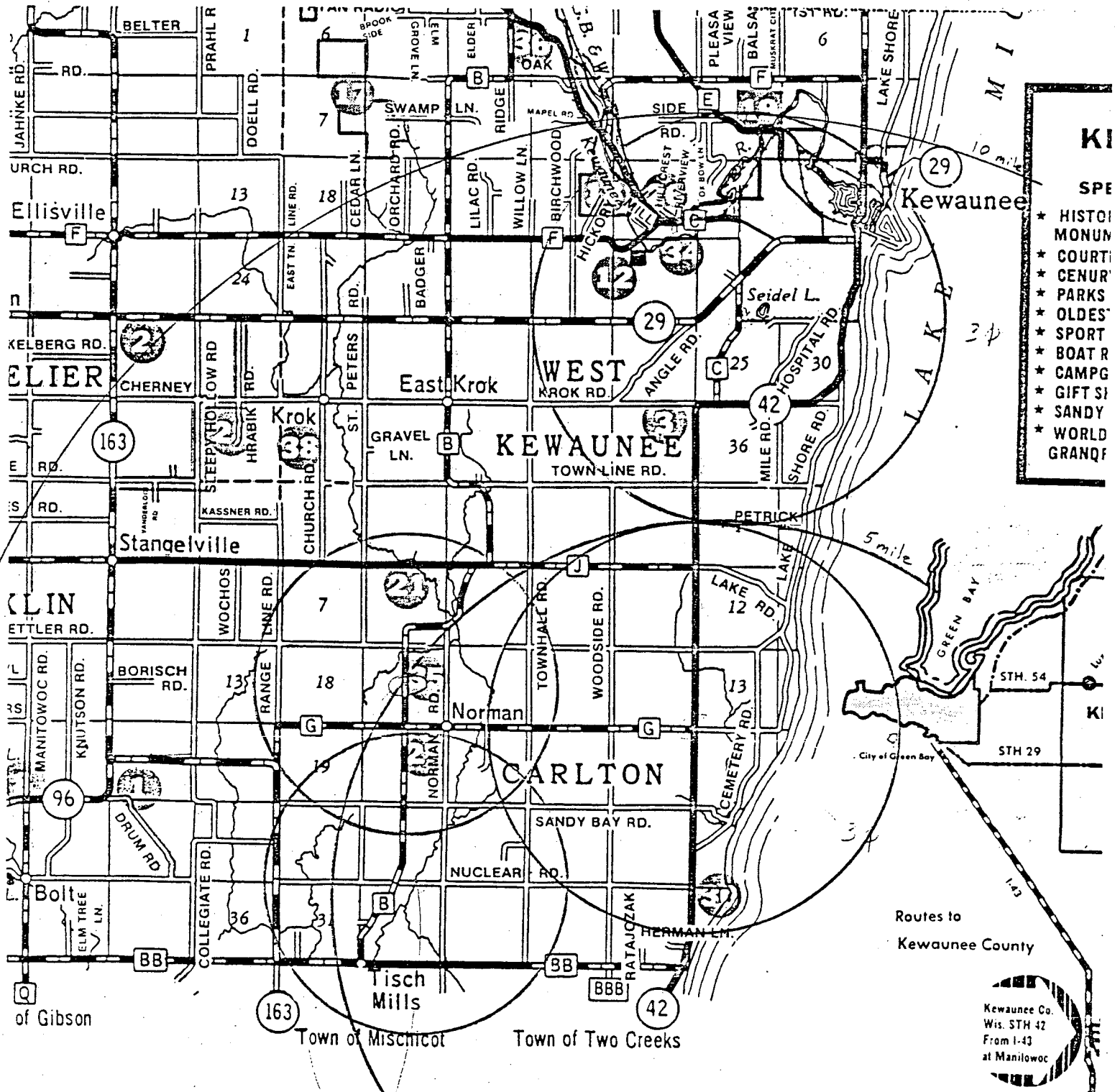
CR Surva for E R Mathews

E. R. Mathews, Sr. Vice President
Power Supply and Engineering

JJW:ljw

cc: Mr. Brian Grimes, Director
Division of Emergency Preparedness
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Mr. Robert Nelson, NRC Resident Inspector,
Mr. Jesse Pagliano, Office of Insp & Enforcement,
US NRC, Region III, 799 Roosevelt Road, Glen Ellyn, IL 60137

PUBLIC NOTIFICATION SYSTEM



Routes to
Kewaunee County

Kewaunee Co.
Wis. STH 42
From I-43
at Manitowoc