



WISCONSIN PUBLIC SERVICE CORPORATION

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March 26, 1993

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington D.C. 20555

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Update on Radiation Monitoring System

- Reference:
- 1) Letter from C.R. Steinhardt (WPSC) to Document Control Desk (NRC) dated September 10, 1992
 - 2) Letter from A.G. Hansen (NRR) to C.A. Schrock (WPSC) dated November 20, 1992

By letter dated September 10, 1992, Wisconsin Public Service Corporation (WPSC) submitted an Unreviewed Safety Question (USQ) analysis regarding the replacement of the existing analog radiation monitoring system (RMS) with a digital system to the NRC for review and approval (reference 1). This letter provides an update on the status of the planned upgrade of the radiation monitoring system (DCR 2172). The original Victoreen and Westinghouse radiation monitors will be replaced with digital radiation monitoring equipment supplied by Nuclear Research Corporation.

Phase I of the design change consists of replacing the non-safety-related area radiation monitoring channels which are used for indication only. Phase II involves replacing the process monitors which include six (6) safety-related process radiation monitoring channels which initiate automatic equipment actuations upon a high radiation alarm. Both Phase I and Phase II were scheduled to be completed during the 1993 refueling outage. Work on the non-safety-related area radiation monitors (Phase I) will continue on schedule. However, due to delays in

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equipment manufacturing and testing, WPSC will delay the installation of the process radiation monitors (Phase II) and the resolution of the USQ until after the 1993 refueling outage. New equipment that can be installed while at power will be determined on a case by case basis for installation prior to the 1994 refueling outage. The current schedule is to have all remaining equipment installed and placed in service before the end of the 1994 refueling outage. WPSC has delayed the installation of the process monitors to assure adequate time for an equipment "burn-in" period, proper on-site testing, and plant personnel to be trained and become familiar with the operation of the new equipment prior to placing it in service. WPSC feels that this delay is necessary to ensure that this modification is implemented in an effective manner that meets our standards of quality.

The delay in the replacement of the process radiation monitors was discussed with Mr. Allen G. Hansen, of your staff, during telephone conversations in November of last year. On January 28, 1993, Mr. Hansen concurred with WPSC that a response to the NRC questions regarding the USQ submittal (reference 2) should not be required at this time because it is no longer a priority item. The USQ applies only to the installation of the six (6) safety-related process radiation monitoring channels. The response to the questions will be submitted to the NRC prior to August 1, 1993, to allow adequate time for NRC review of the submittal prior to the planned completion during the 1994 refueling outage.

WPSC is aggressively working with the RMS vendor, planning additional visits to the vendor's facilities, and continuing in-house work to prevent any further delay in the installation of the process radiation monitors and to resolve all of the NRC questions regarding the USQ. If you have any questions regarding the scope of work being performed during the 1993 and 1994 refueling outages, please feel free to contact a member of my staff.

Sincerely,



C.A. Schröck
Manager-Nuclear Engineering

KPH

cc - US NRC, Region III
NRC Senior Resident

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