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April 23, 1982

Director  
Office of Nuclear Reactor Regulation  
U S Nuclear Regulatory Commission  
Washington, DC 20555



PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

Implementation of Interim Requirements Related to Hydrogen Control

Paragraph (c) of Section 50.44 of 10 CFR Part 50 was revised by a final rule published in the Federal Register on December 2, 1981. The rule became effective on January 4, 1982 and requires:

- a. The installation of either internal recombiners or the capability to install external recombiners following the start of an accident.
- b. High point vents for the reactor coolant system, vessel head, and for other systems required to maintain adequate core cooling if the accumulation of noncondensable gases would cause the loss of function of these systems.

The rule requires completion of these modifications by the end of the first scheduled refueling outage beginning after July 5, 1982 which is of sufficient duration to complete the work.

The purpose of this letter is to inform the Commission of our plans and schedule for completing these modifications and of the possibility that a request for exemption from the required completion schedule may be required due to delays in delivery of components.

Recombiner Installation

We have investigated the internal and external recombiner options and have determined that the internal recombiner system offers advantages in terms of engineering, operational considerations, and ease of installation at Prairie Island. We are proceeding with engineering and procurement to install Westinghouse Model B recombiners. Redundant recombiners will be installed in each containment vessel.

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Outages scheduled after July 5, 1982 of sufficient duration to complete this installation are:

Unit 1 - November, 1982 refueling outage

Unit 2 - July, 1983 refueling outage

We are now directing our efforts to complete the Unit 1 installation during the November, 1982 refueling outage. It is not certain at this time, however, that all equipment, including new containment electrical penetrations, can be delivered in time to complete installation during this outage. We anticipate no difficulty in completing the Unit 2 installation during the July, 1983 refueling outage.

If it appears that installation in Unit 1 cannot be completed as planned during the November, 1982 refueling outage, a request for exemption from the schedule requirements of 10 CFR Part 50, Section 50.44(c)(3)(ii), will be submitted to defer the work until the next refueling outage of Unit 1.

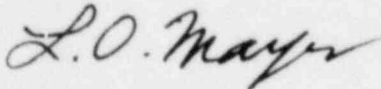
## High Point Vents

Installation of a high point vent system consisting of six remotely operated solenoid valves which can vent either the reactor head or pressurizer steam space to the pressurizer relief tank or directly to containment was described in our letter dated July 6, 1981. This installation satisfies the requirements of NUREG-0737, Item II.B.1. Installation in Unit 1 is complete, however the system remains isolated pending NRC authorization to use the vents.

The Unit 2 installation is complete with the exception of control board wiring. The system will be completed during the next Unit 2 refueling outage now scheduled for June, 1982.

We anticipate no difficulty, therefore, in completing this modification in both units by the date specified in the rule.

Please contact us if you have any questions related to our plans and schedule for implementing the requirements of 10 CFR Part 50, Section 50.44(c) at the Prairie Island Nuclear Generating Plant.



L O Mayer, PE  
Manager of Nuclear Support Services

LOM/DMM/bd

cc: Regional Administrator-III, NRC  
Resident Inspector, NRC  
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