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SUBJECT: Advises of update to computer sys & effects changes will have on SPDS & ERDS during refueling outages.

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Donald C. Cook Nuclear Plant Units 1 and 2
Docket Nos. 30-315 and 50-316
License Nos. DPR-58 and DPR-74
AVAILABILITY OF SAFETY PARAMETER DISPLAY SYSTEM AND
EMERGENCY RESPONSE DATA SYSTEM DURING REFUELING OUTAGES

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

Attn: T. E. Murley

February 28, 1994

Dear Dr. Murley:

The purpose of this letter is to advise you of our updating of computer systems in Cook Nuclear Plant, and the effects the changes will have on the associated displays.

As a result of the requirement to implement an emergency response data system (ERDS), an evaluation was made of the technical support center (TSC) computer system that is used at the Cook Nuclear Plant to provide process data for emergency response. It was determined that it was not feasible to modify the TSC computer system to perform the ERDS function. Therefore, a recently replaced plant process computer (PPC) system was utilized to perform the ERDS function. The ERDS function was successfully implemented on the PPC system by February 13, 1993 to meet the requirements of 10 CFR 50 Appendix E Section VI.

During the evaluation of the TSC computer system, it was concluded that the PPC system should be used to provide process data for emergency response, including the safety parameter display system (SPDS). As a result, during the 1994 refueling outages on Cook Nuclear Plant Units 1 and 2, the Unit 1 and Unit 2 TSC computer systems will be removed from service and the SPDS function will be integrated onto the Unit 1 and Unit 2 PPC systems. In order to accomplish this transition, the SPDS function will not be available during each Unit's 1994 refueling outage.

The SPDS will be improved because of its integration into the PPC system. Integrating the SPDS onto the PPC system will eliminate the need to use three separate terminals, (Eberline RMS and two TSC computer terminals) to determine the status of SPDS, as was

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required with the TSC computer system. The SPDS will continuously monitor the required safety functions. The status of each safety function will be determined using status trees. Indication of the status of each safety function will be displayed on every display of the PPC system in an SPDS status area. The SPDS status area will have a letter representing each safety function with the background of each letter color coded to indicate the status of the safety function. When the SPDS status area is touched or selected, the main SPDS menu will appear. From this menu any safety function status tree can be accessed for evaluation. Associated with each status tree is a group and trend display. The group display provides a tabular list of the data inputs used to determine the status of the safety function status tree. The trend display provides a graphical trend of selected data from the group display.

The ERDS function will not be available during each Unit's refueling outage in order to implement this transition. The functionality of ERDS will not be modified as a result of these changes. However, the ERDS data point library will be affected. Under separate correspondence the details of this change will be provided to your staff.

My staff is at your disposal to respond to any questions concerning this transition of equipment.

Sincerely,

W. A. Smith
for E. E. Fitzpatrick
Vice President

dr

cc: A. A. Blind
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NFEM Section Chief
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J. R. Padgett

Dr. T. E. Murley

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