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 AUTH. NAME AUTHOR AFFILIATION
 ALEXICH, M. P. Indiana & Michigan Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION
 MURLEY, T. E. Document Control Branch (Document Control Desk)

SUBJECT: Responds to NRC concerns expressed in 870304 ltr re SPDS.
 Update of issues discussed at 870223 meeting re SPDS listed.
 J Kramer informed that reactor coolant subcooling displayed
 on SPDS as discrete variable.

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INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

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Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
ADDITIONAL INFORMATION CONCERNING VARIABLES
DISPLAYED BY THE SAFETY PARAMETER DISPLAY SYSTEM

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

Attn: T. E. Murley

Dear Mr. Murley:

This letter responds to your staff's concerns expressed in your letter dated March 4, 1987 on the Donald C. Cook Nuclear Plant Safety Parameter Display System.

A meeting was held with Mr. J. Kramer of your staff on February 23, 1987 to discuss the Safety Parameter Display System. Specifically, we discussed three issues addressed in our letter AEP:NRC:0531K, dated September 26, 1985. The following is an update of the status of these three issues:

Subcooling Monitor

At the meeting, we informed Mr. Kramer that reactor coolant subcooling is displayed on the SPDS as a discrete variable. Although this indication is not read directly from the subcooling monitor, it provides an indication of subcooling which is based on the input from the highest incore thermocouple temperature. The subcooling monitor indication is based on either the highest temperature of eight preselected incore thermocouples or on any one of the eight thermocouples as selected by the operator.

Steam Generator Radiation

As discussed in the meeting, we do have the capability to detect main steam line radiation through monitors located on the power-operated relief valve (PORV) lines. These monitors provide continuous monitoring of the radiation effluent release path when the steam generator PORVs are relieving steam. Therefore, when the PORVs are relieving steam, the monitors provide one of the means addressed by EOP E-3 to determine which unisolated steam generator would be the source of a tube rupture.

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The outputs of the PORV line radiation monitors are displayed on radiation monitoring system displays. One of these displays is located adjacent to the SPDS displays in the control rooms. Radiation monitoring displays are also available in the technical support center and the emergency operations facility.

Since an operator working at a control room SPDS station can readily view the radiation monitoring information, we feel there is not a significant need to display the PORV line radiation monitors on the SPDS.

Containment Isolation

As part of the Detailed Control Room Design Review (DCRDR) Program, we have determined the need for additional containment isolation indication in the control room. The DCRDR schedule provides for installing the containment isolation signals for Unit 1 during the 1989 refueling outage and for Unit 2 during the steam generator replacement. Once the isolation signals are available, we intend to develop a means of displaying containment isolation either on the SPDS or so that it will be visible to a person standing in the vicinity of the SPDS.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,



M. P. Alexich
Vice President

cm

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Bruchmann
G. Charnoff
NRC Resident Inspector - Bridgman
A. B. Davis - Region III Administrator

