

August 12, 1985

Docket Nos. 50-315  
and 50-316

Distribution

Docket file

ORB#1 RDG

Gray file

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CParrish

Mr. John Dolan, Vice President  
Indiana and Michigan Electric Company  
c/o American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43216

Dear Mr. Dolan:

We have completed our review of the D. C. Cook Nuclear Plant Safety Parameter Display System (SPDS) from letters submitted by the Indiana and Michigan Electric Company (IMEC) dated June 19, 1981, September 29, 1982, April 15, 1983, April 3, 1985, April 29, 1985 and May 31, 1985. Our Safety Evaluation is enclosed.

We have reviewed the SPDS Safety Analysis Report for Donald C. Cook and conclude it is acceptable for IMEC to continue implementing its SPDS Program, but this is conditional to a satisfactory resolution of our concerns. Our review of the process variables selected for display on the SPDS identified the following concerns:

1. It is not clear that reactor coolant subcooling is displayed as a discrete variable. If a discrete subcooling monitor is provided for D. C. Cook in compliance with NUREG-0737, Item II.F.2, it should be considered for display in the SPDS.
2. It is not clear that a "containment isolation" assessment is provided in the display system. Although valve position is provided for many "major valves," it is not clear that these constitute the set comprising "containment isolation," and it is not apparent that containment isolation is displayed as a discrete variable.
3. Apparently IMEC does not have instrumentation to monitor steam generator (steamline) radiation for an isolated steam generator. The control room operator will not be able to make a rapid assessment of radioactivity control when the steam generators and/or its steamlines are isolated.

Additional details on these concerns are provided in the enclosed Safety Evaluation. We recommend that either the above defined variables be added to the SPDS to provide unique data to the operator in evaluating critical safety function or that IMEC provide us with additional justification that they not be included.

Please respond within 30 days of receipt of this letter with your intentions and a schedule for resolution of each of the concerns.

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Mr. Dolan

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August 12, 1985

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

/s/JDNeighbors for SVarga

Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

ORB#1:DL  
CParrish  
08/9/85

*DL*  
ORB#1:DL  
DWigginton/ts  
08/9/85

*SV*  
BC-ORB#1:DL  
for SVarga  
08/12/85

Mr. John Dolan  
Indiana and Michigan Electric Company

Donald C. Cook Nuclear Plant

cc:  
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