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 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH.NAME AUTHOR AFFILIATION
 HUNTER,R.S. Indiana & Michigan Electric Co.
 RECIP.NAME RECIPIENT AFFILIATION
 DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Notifies that response to Question 5.74 of requirements of
 IE Bulletin 79-14 has been found to be inconsistent w/FSAR
 design criterion for piping. Amend to FSAR will be filed to
 include correct response & actual design practice.

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August 18, 1980
AEP:NRC:0455

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

During the review efforts being made to comply with the requirements of I.E. Bulletin No. 79-14, we have found an inconsistency between the main body of the FSAR and part of our response to question 5.74. The main body of the FSAR accurately reflects the practice followed by AEP in the design of piping for the Donald C. Cook Nuclear Plant when it states for the design of "engineered safety features" that:

"...by designing the engineered safety features to be operative under a maximum horizontal ground acceleration of 20 percent of gravity and a maximum vertical acceleration of 13.33 percent of gravity."
(FSAR, page 2.5-4)

That is the practice consistently followed in the design of the Plant's engineered safety features piping systems employed at least two thirds (2/3) of the appropriate horizontal response spectrum at the base slab for the vertical acceleration. This is, incidentally, the same practice followed by at least five other facilities of similar vintage to Cook.

Our response to Question 5.74 (Amendment No. 17 to the facility's FSAR, issued in September of 1971) was consistent with the above stated FSAR design criterion except that the sentence related to piping inexplicably omitted the reference to the two thirds (2/3) fraction. Thus, it stated that:

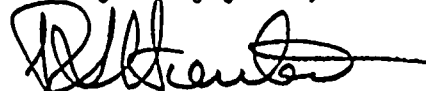
"...The analysis of piping includes the vertical loads equal to the appropriate horizontal ground response spectrum."

App 5/10.

This, of course, did not represent the design practice followed at the Cook Plant. While our own personnel and an outside consultant noted this erroneous response in the 1971-73 period, the efforts to correct the record apparently were not followed through to completion.

In the next two months we are filing an amendment to our FSAR. This amendment will include the corrected response to question 5.74, which will reflect the actual design practice followed at the Donald C. Cook Nuclear Plant.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'R. S. Hunter', with a long horizontal flourish extending to the right.

R. S. Hunter
Vice President

cc: R. C. Callen
G. Charnoff
J. E. Dolan
R. W. Jurgensen
D. V. Shaller - Bridgman