

*Central  
File*

# INDIANA & MICHIGAN POWER COMPANY

P. O. BOX 18  
BOWLING GREEN STATION  
NEW YORK, N. Y. 10004

July 20, 1979  
AEP:NRC:00234

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. James G. Keppler, Regional Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Region III  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

This letter serves to provide the information requested in IE Bulletin No. 79-13, dated June 25, 1979 which we received on June 29, 1979.

Subsequent to the identification of cracks in the 16-inch feedwater elbows adjacent to the steam generator nozzles, the four elbows on each Unit have been replaced. After installation of the modified elbows, the elbow-to-nozzle and elbow-to-reducer welds were radiographed and found acceptable. Details of the modified elbow/nozzle connection design, as well as the results of our examination of the feedwater piping inside containment, are contained in our previous submittals on this topic; AEP:NRC:00216, dated June 7, 1979 and AEP:NRC:00221, dated June 15, 1979.

Response to Item No. 5

- (a) The recent examinations/inspections performed at the Cook Plant on the feedwater system piping welds inside containment fulfill the intent of Item No. 1 of IE Bulletin No. 79-13.
- (b) The procedures presently employed at the Cook Plant for "Loss of Feedwater" (including a feedwater line rupture) and "Main Steam Line Break" have been reviewed and found adequate for their intended function.

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(c) The following indications are available to aid in the identification of feedwater leaks inside containment:

- (1) Increasing level in the containment sump and
- (2) Increase in containment humidity

Indication of the water level in the lower containment sump is provided by:

- (a) The low level alarm at 16 inches of water level, and
- (b) The high level alarm at 108 inches of water level

Additional indication is provided indirectly by observing the status of the two (2) lower containment sump pumps. When the sump level increases the sump pumps automatically start. Leakage from non-radioactive piping systems, e.g. Feedwater System, are distinguished from primary system leaks by the lack of an increase in containment activity.

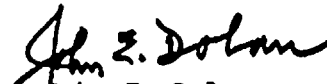
The containment Humidity Monitor is provided to monitor and detect leakage from the reactor coolant pressure boundary (as required by Technical Specification 3/4.4.6.1), but is equally sensitive to feedwater leaks equivalent to 0.2 to 1.0 gpm.

Item No. 6

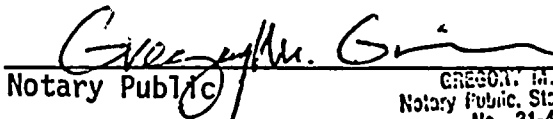
The results of our examinations of the feedwater nozzle-to-elbow welds are contained in our AEP:NRC:00216 submittal, dated June 7, 1979. Details of the feedwater piping design are contained in our AEP:NRC:00215 submittal, dated June 21, 1979. Further information regarding the data collection program being implemented on Unit 2 is in our AEP:NRC:00221 submittal, dated June 15, 1979. The information in the above cited transmittals fulfills the reporting requirements of Item No. 6 of IE Bulletin No. 79-13.

As the information contained herein is being submitted at the request of the NRC, AEPSC interprets 10 CFR 170.22 as requiring that no fee accompany this transmittal.

Very truly yours,

  
John E. Dolan  
Vice President

Sworn and subscribed to before me  
this 20<sup>th</sup> day of July, 1979 in  
New York County, New York

  
Notary Public

GREGORY M. CURRAN  
Notary Public, State of New York  
No. 31-4643431  
Qualified in New York County  
Commission Expires March 30, 1981

Mr. J. G. Keppler

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cc: R. C. Callen  
G. Charnoff  
R. W. Jurgensen  
R. S. Hunter  
D. V. Shaller - Bridgman