

Central files

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

February 9, 1979
IE-79-256

LEE LIU
SENIOR VICE PRESIDENT - ENGINEERING

Mr. J. G. Keppler
U. S. Nuclear Regulatory Commission
Directorate of Regulatory Operations
Region III
7999 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

During the meeting conducted in your offices January 24, 1979 you requested information concerning an obstruction to the flushing action within the recirculation line inlet thermal sleeve and nozzle annulus. On February 2, 1979 Mr. L. Root and Mr. H. Rehrauer discussed this subject by telephone with Mr. Knopp of your office. This letter is to confirm the above discussion.

Our report "Duane Arnold Energy Center Recirculation Inlet Safe End Repair Program, December 8, 1978" stated in Section III.C.5 that the tests concluded by General Electric to evaluate the flushing of the annulus had included a total obstruction angle of 60°, from three alignment lands. The extrapolation of these results indicate that the DAEC annulus will flush in less than 20 minutes.

Our review of the radiographs of the number two welds indicates that oxydation does not exceed a total angle of 60°. If oxydation could result in an obstruction within the gap it would be less than the aforementioned 60°.

If you or your staff have further questions on this subject please contact us.

Very truly yours,



Lee Liu
Senior Vice President, Engineering

LL/KAM/lw

cc: K. Meyer
D. Arnold
H. Rehrauer
H. Denton (NRC)
R. Clark (NRC)
R. Lowenstein
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