



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

November 15, 1984

Docket No. STN 50-470

Mr. A. E. Scherer, Director  
Nuclear Licensing  
Combustion Engineering, Inc.  
1000 Prospect Hill Road  
Windsor, Connecticut 06095

Dear Mr. Scherer:

Your letter of August 3, 1984, to D. G. Eisenhut (LD-84-042) identified four items in the CESSAR Safety Evaluation Report (SER) and its supplements which you suggested should be updated. We have completed our review of three of the four requested changes and find them acceptable as requested in your letter. The fourth change, pertaining to deletion of the interface requirement that block valves associated with the atmospheric dump valves (ADV) be designed to safety grade criteria, is still under review and will be the subject of future correspondence.

With respect to your request concerning the time required for operator action after recognition of a stuck open ADV, we have reviewed your July 22, 1983 submittal which transmitted an analysis of a steam generator tube rupture (SGTR) with a failure of an ADV. Based on our review of your analysis, which assumed that operator actions to close the ADV block valve would not occur for 30 minutes, we conclude that the resultant radiological consequences would be less than the 10 CFR Part 100 guideline values. The enclosed SER documents our findings.

You also stated in your letter that the Reactor Coolant Pump locked rotor/shaft seizure analysis evaluated in Supplement 2 was based on a primary to secondary leakage rate of 1.0 gpm vice the 0.1 gpm stated in Supplement 2 as a site-related interface requirement.

We have completed our review of your request and have determined that the radiological consequences of applicable design basis accidents addressed in Section 15.4 were evaluated assuming a primary to secondary leak rate of 1.0 gpm. Consequently, we agree that the site-related interface requirement for CESSAR-F reference plants should be 1.0 gpm primary to secondary leakage.

Finally, your letter requested that the SER be modified to reflect that the staff's decision on the applicability of Power Operated Relief Valves (PORVs) to C-E plants has been deferred to the resolution of Unresolved Safety

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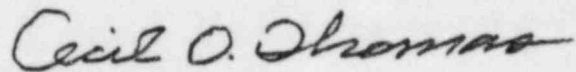
A. E. Scherer

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Issue (USI) A-45 "Shutdown Decay Heat Removal Requirements." We have reviewed this request, have determined that the requested change is appropriate, and will modify the SER accordingly.

If you desire further information on this matter, please contact your assigned NRC Project Manager, Kenneth T. Eccleston, at (301) 492-9797.

Sincerely,



Cecil O. Thomas, Chief  
Standardization and Special  
Projects Branch  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

Combustion Engineering, Inc.  
(CESSAR)

STN 50-470

cc w/enclosure(s):

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Original signed by  
Cecil O. Thomas, Chief  
Standardization and Special  
Projects Branch  
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\*See previous concurrence sheet.

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A. E. Scherer

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We have reviewed this request and have determined that the decision on PORVs is within the scope of USI A-45 and that it is appropriate to reflect this in a future supplement to the CESSAR SER.

If you desire further information on this matter, please contact your assigned NRC Project Manager, Kenneth T. Eccleston, at (301) 492-9797.

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