



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

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(41)

*Essential*  
*copy to Natick*  
*1/27/84*

*Jack Powell -*

MEMORANDUM FOR: R. Wayne Houston, Assistant Director  
for Reactor Safety  
Division of Systems Integration

FROM: Gus C. Lainas, Assistant Director  
for Operating Reactors  
Division of Licensing

SUBJECT: REVIEW OF GESSAR-II DESIGN IMPROVEMENT

REFERENCE: Your January 6, 1984 Memorandum to Assistant  
Directors for DSI, DST, DE, DL and DHFS, same  
subject

We have completed our review of the reference memorandum and offer the following comments for your consideration.

With regard to the current list of potential design improvements for the GESSAR-II design, we believe that some of the potential design improvements (e.g., 1.d, 1.e, 3.a and 3.b, 8.d, 9.d, 10.c and 11.b) would not fall within the scope of 10 CFR 50.34(f)(1) in that they will not likely result in a significant or practical improvement in the reliability of core and containment heat removal systems. Further, potential design improvement 1.b does not appear to be a realistic or practical potential design improvement given current technology.

The process proposed to solicit GE's response to the final list and to the associated section of the CP/ML rule should include a definition of those actions to be independently taken by the staff in quantitatively and qualitatively ranking each item identified in the list. In fact, a preliminary assessment of each item should be performed by the staff to eliminate from further consideration those improvements which are clearly not within the scope of 10 CFR 50.34(f). Such action could significantly reduce the list of potential design improvements and result in a more in-depth and meaningful evaluation of the remaining issues.

Gus C. Lainas, Assistant Director  
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