

NOV 12 1975

Docket No.: 50-302

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Florida Power Corporation
 ATTN: Mr. J. T. Rodgers
 Assistant Vice President
 Quality and Environmental
 Departments
 3201 34th Street, South
 P. O. Box 14042
 St. Petersburg, Florida 33733

Gentlemen:

We are presently reviewing the ECCS containment pressure calculations provided in BAW-10103, "ECCS Evaluation of ECR 177 FA Lowered Loop NSS", which you have referenced for the Crystal River, Unit 3 ECCS evaluation.

We find that the containment input parameters selected for use in BAW-10103 have not been justified as being conservative for the ECCS containment pressure calculation for Crystal River, Unit 3. Pursuant to Appendix K, 10 CFR 50, justification must be provided for passive heat sinks and other significant containment parameters.

We request justification be provided by comparing the input parameters used in BAW-10103 with the appropriate values for Crystal River, Unit 3. Additional information required for justifying these parameters is provided in the enclosure to this letter.

In order to maintain our licensing schedule, we will need your responses by September 15, 1975. If you cannot meet the response date, please inform us within seven days after receipt of this letter so that we may revise our scheduling.

Please contact us if you have any questions regarding the enclosure provided.

Sincerely,

[Handwritten Signature]
 A. Schwencer

A. Schwencer, Chief
 Light Water Reactors Branch 2-3
 Division of Reactor Licensing

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Enclosure:

Request for Additional Information

cc: See next page

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REQUEST FOR ADDITIONAL INFORMATION
CRYSTAL RIVER, UNIT 3
DOCKET NO. 50-302

The ECCS analysis for your plant is referenced to BAW-10103. Provide justification for the following input parameters used in BAW-10103 by comparison with the appropriate values for your plant.

1. Net Free Containment Volume - Justification should include the total gross internal containment volume and the internal structures and equipment and their volumes which are subtracted to obtain the net free containment volume. A discussion of the uncertainties should be provided.
2. Passive Heat Sinks - Provide the actual passive heat sink structures for your plant. Discuss the method of determining the passive containment heat sinks. Identify each heat sink by category (i.e., cable tray, equipment supports, floor grating, crane wall, etc.) and provide surface area, thickness, materials of construction, thermal conductivity and volumetric heat capacity, by component category used in the containment transient analysis code.
3. Starting Time of Containment Cooling System(s) - Discuss the factors that show that the start time(s) assumed in the containment response analysis represent the earliest possible initiation of system(s) operation.
4. Containment Initial Conditions - Compare the initial values of temperature, pressure and relative humidity in the containment with the range of values that will be permitted during plant operation.
5. Containment Spray Water Temperature - Show that the value of containment spray water temperature used in the containment response analysis is the lower bound temperature consistent with plant operating conditions and

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that the spray flow rate used is suitably conservative.

6. Fan-Cooler Heat Removal Rate -- Compare the maximum fan-cooler heat removal rate for Crystal River, Unit 3 with that assumed in BAW-10103. Show that minimum operational values of service water temperature have been used.
7. If any of the above parameters are less conservative for your plant than used in the generic evaluation of BAW-10103, provide the sensitivity of these parameters to the overall containment pressure response. This evaluation should demonstrate the overall conservatism of your containment parameters to those used in BAW-10103.

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